BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

In the Matter of the Application of SOUTHERN CALIFORNIA EDISON COMPANY (U 338-E) for a Permit to Construct Electrical Facilities with Voltages Between 50 kV and 200 kV or New or Upgraded Substations with High Side Voltages Exceeding 50 kV: Alberhill System Project	)))))))	Application No. _____ (Filed September 30, 2009)

PROPONENT'S ENVIRONMENTAL ASSESSMENT ALBERHILL SYSTEM PROJECT

Volume 2 of 2 (Appendix)

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Dated: September 30, 2009

Appendix A

APPENDIX A

APPENDIX A Environmental Checklist Form

1. Project Title

Alberhill System Project

2. Lead Agency Name and Address

California Public Utilities Commission
505 Van Ness Avenue
San Francisco, California 94102-3298

3. Contact Persons and Phone Numbers

Milissa Marona
Project Manager – Regulatory Affairs
(626) 302-4872

4. Project Location

The Alberhill Substation would be constructed in unincorporated Riverside County. Construction of the 500 kV transmission line segments between the Alberhill Substation and the existing Serrano-Valley 500 kV transmission line would occur in unincorporated Riverside County and within the northwestern boundary of the City of Lake Elsinore. The new and modified 115 kV subtransmission lines would be constructed in unincorporated Riverside County and the cities of Lake Elsinore, Wildomar, and Menifee.

5. Project Sponsor's Name and Address

Southern California Edison
2244 Walnut Grove Avenue
Rosemead, California 91770

6. General Plan Designation

The CPUC has primary jurisdiction over the Alberhill System Project, because it authorizes the construction, operation, and maintenance of public utility facilities. Although such projects are exempt from local land-use and zoning regulations and permitting, CPUC G.O. 131-D Section IX.B states that "Local jurisdictions acting pursuant to local authority are preempted from regulating electric power line projects, distribution lines, substations, or electric facilities constructed by public utilities subject to the Commission's jurisdiction. However in locating such projects, the public utilities shall consult with local agencies regarding land use matters." SCE has considered local and state land-use plans as part of the environmental review process.

The Riverside County General Plan land use designation for the Alberhill Substation site is Industrial. The 500 kV transmission line segments are designated Industrial and Open Space. The new and modified 115 kV subtransmission lines would be constructed within roadway rights-of-way and SCE rights-of-way.

7. Zoning

The CPUC has primary jurisdiction over the Alberhill System Project, because it authorizes the construction, operation, and maintenance of public utility facilities. Although such projects are exempt from local land-use and zoning regulations and permitting, CPUC G.O. 131-D Section IX.B states that "Local jurisdictions acting pursuant to local authority are preempted from regulating electric power line projects, distribution lines, substations, or electric facilities constructed by public utilities subject to the Commission's jurisdiction. However in locating such projects, the public utilities shall consult with local agencies regarding land use matters." SCE has considered local and state land-use plans as part of the environmental review process.

The Alberhill Substation site is in a Manufacturing-Service Commercial (M-SC) zoning designation. According to the County of Riverside zoning code, the M-SC designation accommodates most light manufacturing and industrial uses. The zoning code for the M-SC designation also includes a number of permitted uses, including electrical equipment and industrial uses, such as public utility substations and storage yards. The 500 kV transmission line segments cross land covered by a Natural Assets (N-A) zoning designation.

The new and modified 115 kV subtransmission lines would be constructed within roadway rights-of-way and SCE rights-of-way.

8. Description of Project

The Proposed Project would include the following major components:

- Construction of a new 1,120 megavolt ampere 500/115 kV substation to increase electrical service capacity to the area presently served by the Valley South 115 kV System

- Construction of two new 500 kV transmission line segments to connect the new substation to SCE's existing Serrano-Valley 500 kV transmission line

- Construction of a new 115 kV subtransmission line (approximately three miles in length) and modifications to four existing 115 kV subtransmission lines to transfer five existing 115/12 kV substations (Ivyglen, Fogarty (expected to be constructed 2011), Elsinore, Skylark, and Newcomb Substations) presently served by the Valley South 115 kV System to the new Alberhill 500/115 kV Substation

- Installation of telecommunications improvements to connect the new facilities to SCE's telecommunications network

9. Surrounding Land Uses and Setting

The Proposed Project is located in a region that includes Temescal Canyon, the City of Lake Elsinore, and the cities of Wildomar and Menifee. Temescal Canyon is a northwest-trending valley between the Lake Elsinore drainages and the Santa Ana River to the north. The I-15 freeway follows Temescal Wash through this area, and much of the area is planned to be developed.

The City of Lake Elsinore is located in a valley near the crossing of the I-15 freeway and State Route 74. Much of city has been developed for housing, commercial development, retail shops, and light industrial uses. Newer master planned subdivisions have been recently constructed. The cities of Wildomar and Menifee, located between the connection of the I-15 and I-215 freeways, were incorporated as cities in 2008. These two cities are characterized by a mix of low-density rural homes and ranches, open space land, commercial development, and new master planned development.

ENVIRONMENTAL RESOURCES POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages. These impacts are discussed in Chapter 4 of the PEA.

☐ Aesthetics	☐ Agricultural Resources	☒ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Geology/Soils
☐ Hazards & Hazardous Materials	☐ Hydrology/Water Quality	☐ Land Use/Planning
☐ Mineral Resources	☐ Noise	☐ Population/Housing
☐ Public Services	☐ Recreation	☐ Transportation/Traffic
☐ Utilities/Service Systems	☐ Mandatory Findings of Significance	

DETERMINATION (To be completed by the Lead Agency)

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature _____ Date _____

Signature _____ Date _____

EVALUATION OF ENVIRONMENTAL IMPACTS

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2) All answers must take account of the whole action involved, including offsite as well as onsite, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) Once the lead agency has determined that a particular physical impact may occur, and then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section XVII, "Earlier Analyses," may be cross-referenced).

5) Earlier analyses may be used where, pursuant to the tiring, program EIR, or other CEQA process, an effect has been adequately analyzed I an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

    a) Earlier Analysis Used. Identify and state where they are available for review.

    b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

    c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures that

were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6) Lead agencies are encouraged to incorporate into the checklist references to Information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9) The explanation of each issue should identify:

   a) the significance criteria or threshold, if any, used to evaluate each question; and

   b) the mitigation measure identified, if any, to reduce the impact to less than significance.

ISSUES	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
I. AESTHETICS. Would the project:				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	☐	☐	☒	☐
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐
II. AGRICULTURAL RESOURCES. In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	☐	☐	☒	☐
III. AIR QUALITY. Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☐	☒
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	☒	☐	☐	☐
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors)?	☒	☐	☐	☐

ISSUES	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
d) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
e) Create objectionable odors affecting a substantial number of people?	☐	☐	☐	☒
IV. BIOLOGICAL RESOURCES. Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or US Fish and Wildlife Service?	☐	☐	☒	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	☐	☐	☒	☐
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☒	☐
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☒	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☒	☐
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☒	☐
V. CULTURAL RESOURCES. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5?	☐	☐	☒	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?	☐	☐	☒	☐
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒	☐
d) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

ISSUES	Potentially Significant Impact	Less Than Significant With Mitigation Incorpor-ation	Less Than Significant Impact	No Impact
VI. GEOLOGY AND SOILS. Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☒	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☒	☐
VII. HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐

ISSUES	**Potentially Significant Impact**	**Less Than Significant With Mitigation Incorpor-ation**	**Less Than Significant Impact**	**No Impact**
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☒	☐
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☒	☐
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	☐	☐	☒	☐
VIII. HYDROLOGY AND WATER QUALITY. Would the project:				
a) Violate any water quality standards or waste discharge requirements?	☐	☐	☒	☐
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation onsite or offsite?	☐	☐	☒	☐
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding onsite or offsite?	☐	☐	☒	☐
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☐	☒	☐
f) Otherwise substantially degrade water quality?	☐	☐	☒	☐

ISSUES	Potentially Significant Impact	Less Than Significant With Mitigation Incorpor-ation	Less Than Significant Impact	No Impact
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	☐	☐	☐	☒
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	☐	☐	☒	☐
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	☐	☐	☒	☐
j) Inundation by seiche, tsunami, or mudflow?	☐	☐	☒	☐
IX. LAND USE AND PLANNING. Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	☐	☐	☐	☒
X. MINERAL RESOURCES. Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☒	☐
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒
XI. NOISE. Would the project result in:				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☐	☒	☐
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☐	☒	☐

ISSUES	**Potentially Significant Impact**	**Less Than Significant With Mitigation Incorpor-ation**	**Less Than Significant Impact**	**No Impact**
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☒	☐
XII. POPULATION AND HOUSING. Would the project:				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
XIII. PUBLIC SERVICES.				
Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
Fire protection?	☐	☐	☒	☐
Police protection?	☐	☐	☒	☐
Schools?	☐	☐	☒	☐
Parks?	☐	☐	☒	☐
Other public facilities?	☐	☐	☒	☐
XIV. RECREATION.				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒

ISSUES	Potentially Significant Impact	Less Than Significant With Mitigation Incorpor-ation	Less Than Significant Impact	No Impact
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒
XV. TRANSPORTATION AND TRAFFIC. Would the project:				
a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	☐	☐	☒	☐
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	☐	☐	☒	☐
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	☐	☐	☒	☐
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒
e) Result in inadequate emergency access?	☐	☐	☐	☒
f) Result in inadequate parking capacity?	☐	☐	☐	☒
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)	☐	☐	☒	☐
XVI. UTILITIES AND SERVICE SYSTEMS. Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	☐	☐	☐	☒
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☐	☒
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒	☐
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	☐	☐	☐	☒

ISSUES	**Potentially Significant Impact**	**Less Than Significant With Mitigation Incorpor-ation**	**Less Than Significant Impact**	**No Impact**
e) Result in determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☐	☒
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	☐	☐	☒	☐
g) Comply with federal, state, and local statutes and regulations related to solid waste?	☐	☐	☒	☐
XVII. MANDATORY FINDINGS OF SIGNIFICANCE.				
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☒	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☐	☐	☒	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☒	☐

Sources and Explanation of Answers

This section contains a brief explanation for all answers provided in the environmental checklist form.

Aesthetics. Construction and operation of the Proposed Project is not located in an area of a State Scenic Highway. As demonstrated in Section 4.1.4, Aesthetics Impact Analysis, the Proposed Project represents an incremental change in the visual character or quality of the region, but impacts associated with the Proposed Project would be less than significant. Lights for the Proposed Project would only be used when required for construction work, maintenance work, and emergency repairs occurring at night. The lighting would not have a significant effect on nighttime views in the area (Section 4.1, Aesthetics).

Agricultural Resources. The Alberhill Substation site is located in an area designated for industrial use, and the 500 kV transmission line segments would cross land designated for industrial use and open space. The new and modified 115 kV subtransmission lines would be located in public rights-of-way and existing SCE rights-of-way. Operation of the Proposed Project would not result in a change in the environment that would convert agricultural land to non-agricultural use. Impacts would be less than significant. (Section 4.2, Agricultural Resources)

Air Quality. The South Coast Air Quality Management District has developed a guidance document to assess impacts to air quality resulting from projects in the South Coast Air Basin. The activities and emissions associated with construction of the Proposed Project would exceed the thresholds provided in the guidance documents. As a result, SCE has proposed the implementation of Applicant Proposed Measures to minimize the effects to air quality during construction. However, after implementation of the minimization measures, impacts are anticipated to remain significant. Operation of the Proposed Project would not exceed emission thresholds, and operation impacts would be less than significant. Therefore, the Proposed Project would only have short-term (construction only) impacts to air quality. (Section 4.3, Air Quality)

Biological Resources. Biological resources would be more fully assessed during the focused Environmental Surveys that would occur during Spring 2010. Based the biological resource surveys conducted to date, construction of the Proposed Project would avoid all sensitive biological resources. If additional sensitive biological resources are discovered during the focused Environmental Surveys conducted for the Proposed Project, and avoidance is not feasible, consultation with the USFWS and the CDFG would be necessary to determine if a permit would be required to impact any one of these species, and SCE would propose APMs to minimize impacts. Impacts to biological resources are expected to be less than significant. (Section 4.4, Biological Resources)

Cultural Resources. The Proposed Project is not anticipated to affect cultural resources. A paleontological survey would be conducted as the Proposed Project approaches final engineering, and if sensitive paleontological resources cannot be avoided during

construction, SCE would develop and implement a Paleontological Resources Recovery Plan to minimize effects to sensitive paleontological resources. With the implementation of the Paleontological Resources Recovery plan, if necessary, impacts to cultural resources are expected to be less than significant. (Section 4.5, Cultural Resources)

Geology and Soils. Portions of the Proposed Project are located in areas susceptible to landslide, liquefaction, and seismic ground shaking. As part of the Proposed Project, SCE would conduct a geotechnical investigation to identify geologic hazards and use the information to engineer components of the project consistent with CPUC and industry standards. Impacts due to geologic hazards would be less than significant. During construction of the Proposed Project, a SWPPP would be implemented, which would reduce any effects due to erosion and the loss of topsoil to less than significant levels. (Section 4.6, Geology and Soils)

Hazards and Hazardous Materials. Construction and operation of the Proposed Project would not involve the routine transport, use, or disposal of hazardous materials. There is one identified airstrip within 1,200 feet of the Proposed Project, and as described in Section 3.2.4.1, Airstrip, SCE would provide written notice of the 115 kV subtransmission modifications that would occur along Mission Trail to the operator of Skylark Field. Impacts to the public or the environment due to these activities would be less than significant.

There is a possibility of a spill or release of hazardous materials during construction and operation, but the controls put in place by the SWPPP and SPCCs would minimize the impacts to less than significant levels. The Proposed Project is not located on a hazardous waste site. The Proposed Project also would not interfere with an emergency response plan.

The Proposed Project is being built in an area mapped as a high fire area. SCE has standard protocols that are implemented when the National Weather Service issues a Red Flag Warning. In addition, SCE participates with the California Department of Forestry and Fire Protection, California Office of Emergency Services, US Forest Service and various city and county fire agencies in the Red Flag Fire Prevention Program and complies with California Public Resources Code Sections 4292 and 4293 related to vegetation management in transmission line corridors. In addition to the protective measures, fire risks during construction would be low because construction areas for the Proposed Project would be grubbed of vegetation and graded prior to the staging of equipment, minimizing the potential for a construction vehicle to start a fire. As a result, construction of the Proposed Project would have a less than significant impact to risk of loss, injury or death involving wildland fires. (Section 4.7, Hazards and Hazardous Materials)

Hydrology and Water Quality. The Proposed Project would not violate any water quality standards or waste discharge requirements, deplete groundwater supplies, place housing in a 100-year floodplain, install structures that would redirect floodflows, expose people or structures to significant risk of flooding, seiche or tsunami; there would be no impacts

associated with these resources. During construction, SCE would obtain an NPDES permit for construction storm water discharge, which includes measures to protect water quality during rain events. These measures would keep impacts to water quality to less than significant levels. In addition, the Proposed Project would not install large-scale impervious surfaces that would excessively contribute to storm water runoff. Impacts would be less than significant. (Section 4.8, Hydrology and Water Quality)

Land Use and Planning. The Proposed Project would not divide an established community, conflict with an environmental plan for avoiding or mitigating an environmental effect, or conflict with a habitat conservation plan or natural community conservation plan. There would be no impacts to land use and planning. (Section 4.9, Land Use and Planning)

Mineral Resources. The Proposed Project is located upon land designated as MRZ-2 and MRZ-3. The portions of the Proposed Project that would occur in the areas designated MRZ-2 is not expected to require the installation of new structures, and the potions of the Proposed Project that would occur in areas designated MRZ-3 would not result in the loss of availability of a known mineral resource that is of value to the region, or one that is delineated on a general plan. Impacts to mineral resources would be less than significant. (Section 4.10, Mineral Resources)

Noise. Noise in the Proposed Project construction areas would typically be limited to hours set forth in local ordinances. If construction of the Proposed Project must occur outside these hours, SCE would request a variance from local jurisdiction. Construction activities for the Proposed Project are expected to occur during the day, and nighttime work is not anticipated. As a result, the generation of noise levels in excess of standards would be less than significant. The Proposed Project would not be located within an airport land use plan, and the airstrip near the 115 kV subtransmission modifications occurring along Mission Trail is not large enough to accommodate large volumes of air traffic. Noise impacts to project personnel would be less than significant. The Proposed Project would not result in a substantial permanent increase in noise. Impacts would be less than significant. (Section 4.11, Noise)

Population and Housing. The Proposed Project would not induce population growth or displace substantial numbers of people or housing. There would be no impacts to population and housing. (Section 4.12, Population and Housing)

Public Services. The Proposed Project is unlikely to require the use of fire protection, police protection, schools, or other public facilities. There would be a less than significant impact to the performance objectives of these resources from construction and operation of the Proposed Project. (Section 4.13, Public Services)

Recreation. The Proposed Project would not increase the use of existing parks or require the construction of new recreation facilities. There would be no impact to recreation. (Section 4.14, Recreation)

Transportation and Traffic. The Proposed Project would not affect the design features or introduce incompatible use for transportation, result in inadequate parking capacity, conflict with programs supporting alternative transportation, or result in a change in air traffic patterns. Construction of the Proposed Project would involve material delivery and worker commute; however, the level of construction traffic estimated for the Proposed Project is negligible when added to the existing daily traffic on the roadways, and would not lower the LOS standard for the roads. Impacts to traffic would be less than significant. (Section 4.15, Transportation and Traffic)

Utilities and Service Systems. The Proposed Project would not exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board, or result in the construction of new water, wastewater, or storm water facilities. The Proposed Project would not affect water supplies or affect wastewater treatment capacities. The waste that would require disposal by the Proposed Project would be accommodated in nearby landfills that have the permitted capacity to accept the waste. SCE would handle the reuse and disposal of treated wood poles for the Proposed Project in accordance with all applicable federal, State, and local statutes related to solid waste. Impacts to utilities and service systems would be less than significant. (Section 4.16, Utilities and Service Systems)

Appendix B

APPENDIX B

APPENDIX B List of Preparers

Southern California Edison Company

Ted Heath, PE, Project Manager, Transmission Project Licensing, BS, Engineering with an emphasis in Ocean Engineering, California State University, Long Beach, Certificate, Project Management, University of California, Irvine.

Patrick Shaffer, Project Manager-Project Execution, BS, United States Air Force Academy, Colorado in Computer Science, MA Management, Webster University St. Louis, Missouri, Juris Doctor, Thomas Jefferson School of Law, San Diego, Registered Professional Engineer - Mechanical, Member California State Bar, Patent Attorney.

Paul McCabe, PE, Senior Engineer, MS, Electrical Engineering - Power Systems, University of Southern California, BS, Electrical Engineering - Power Systems, San Diego State University. Registered Professional Engineer, California License No. E16810, Exp. 12/31/2010.

Sergio Tarango, Manager, Substation Construction.

Robert Benton, Senior Technical Specialist (Substation), Over 30 years work experience in Civil and Architectural Engineering.

Pamela Blue-Fraijo, Transmission Estimator.

James Day, PE, SE, SECB, Chief Structural Engineer, MS, Civil Engineering California State University at Long Beach, BS, Engineering, University of California at Los Angeles.

Jeff Miller, Project Manager Project Manager, 14 years work experience in Construction and Construction Management, AS, Architectural Engineering.

Thanos Trezos, Ph.D., PE, Project Engineer, Ph.D., Civil Engineering, UCLA, MBA, UCLA, MS Industrial Engineering, Purdue University, Indiana, Diploma Civil Engineering, NTU of Athens, Greece.

Jeremy Goldman, Public Involvement, BA, Political Science, University of California, Riverside.

Anne McAulay, Technical Specialist, MA, Urban Planning, University of California Los Angeles, BA, Economics, Occidental College.

Johannes Bakker, Engineer, Information Technology - Infrastructure Telecommunication Services, Diploma Electrical Engineering, College of Advanced Technology Amsterdam.

Adelina Muñoz, Biologist, BS, Botany, University of California, Riverside.

Amanda Duchardt, Contract Biologist for SCE, BS, Biology, University of Southern California.

Sara M Bholat, Archaeologist, MPH, International Heath (Emphasis in Medical Anthropology), Loma Linda University, BS, Anthropology, University of California, Riverside.

Erika Wilder, Senior Environmental Coordinator, MS, Civil and Environmental Engineering, Arizona State University, BS, Geology, University of Wisconsin Oshkosh.

Consultants

AECOM

Steven Heisler, Project Manager and Air Quality, BS Chemical Engineering, California Institute of Technology, MS Environmental Engineering Science, California Institute of Technology, Ph.D. Environmental Engineering Science, California Institute of Technology.

Kim Christensen, Aesthetics Analysis, MS, Environmental Policy and Planning, California State University at Fullerton.

Michael A. Benner, MS, Environmental Studies, California State University Fullerton, BS, Biological Sciences, California State University Fullerton, AS, Cypress College.

Christopher Doolittle, Cultural Resources Manager, BA, Anthropology, University of California, Berkeley, MA, Anthropology, University of Arizona, Tucson.

James W. Hoyt, Senior Project Manager, BS, Forest Science, Humboldt State University.

Matthew Malle, Biologist, BS, Environmental Biology, Humboldt State University.

Erik Larsen, Regulatory Specialist, D.Env./Doctorate Environmental Science and Engineering, University of California, Los Angeles, MS, Biological Sciences, California State University Long Beach, BS, Biological Sciences, Westmont College.

Doug Willick, Senior Wildlife Biologist, AA, Wildlife Management, Fullerton College.

Rachael Poston, Biologist/GIS Applications, MS, Biological Sciences, California State University Long Beach, BS, Biological Sciences, University of West Florida, AS, Zoo Animal Ecology, Pensacola Junior College.

Michael Arvidson, Hazards and Hazardous Materials, BS Civil Engineering, University of California Los Angeles, MBA Management, Pepperdine University

Kirsten Bradford, Hazards and Hazardous Materials, BS Chemistry, New Mexico Institute of Mining and Technology.

Stephanie Klock, Agriculture and Land Use Analysis, Cumulative Projects, BA, Biology, University of Colorado at Boulder.

Jeremy Siew, Visual Simulations, BA, Architecture, Rhode Island School of Design.

Shawn Jackson, Visual Simulations, BA, Landscape Architecture, Colorado State University at Fort Collins.

Lynn Frederico, GIS and Graphics, BA, Environmental Geography, California State University at Fullerton.

Lynn Alexander, AICP. Quality Assurance Review, MS, Environmental Management, University of San Francisco.

Appendix C

APPENDIX C

SCE Report to CAISO - Alberhill System Project

Overall Recommendation

The Alberhill System Project is a new reliability project consisting of a new 500/115 kV substation formed by looping in the Serrano-Valley 500 kV line and becoming the 115 kV source for five 115 kV lines and five substations currently served from the Valley 500/115 kV System. It would have an initial capacity of 1,120 MVA with an ultimate capacity of 1,680 MVA. It is being recommended to relieve transformer loading at Valley Substation, which is the only source substation serving the San Jacinto Region. Electrical demand in the region is expected to exceed the capacity at Valley Substation by 2011. Additionally, it would significantly enhance the system operational flexibility under both normal and abnormal conditions by providing 115 kV tie-lines to the existing Valley South System allowing for the transfer of substations between the two systems as needed. Alberhill Substation could also serve as an option for interconnection with the LEAPS project.

System Configuration

The SCE electric system is designed to create a network bulk power system from which radial substations serve as sources to provide service to the load. Valley Substation was originally designed to accommodate no more than four 500/115 kV transformers, three in parallel with one spare. Due to rapid load growth in the San Jacinto Region, all four transformers are currently serving load. The Valley 115 kV System is currently divided into two systems (Valley North and Valley South) each served by two 560 MVA 500/115 kV transformers. While these two 115 kV systems are served from the same 500 kV bus, they do not have ties at the 115 kV level and are operated as two separate and distinct subtransmission systems. The entire Valley 115 kV System currently consists of twenty-one 115/33/12 kV substations, ten served by the Valley North System and eleven served by the Valley South System. After the Alberhill System Project, Valley Substation will have ten served by the Valley North System and six served from by the Valley South System.

Operational Date

Due to project schedule, the operational date is June 2014.

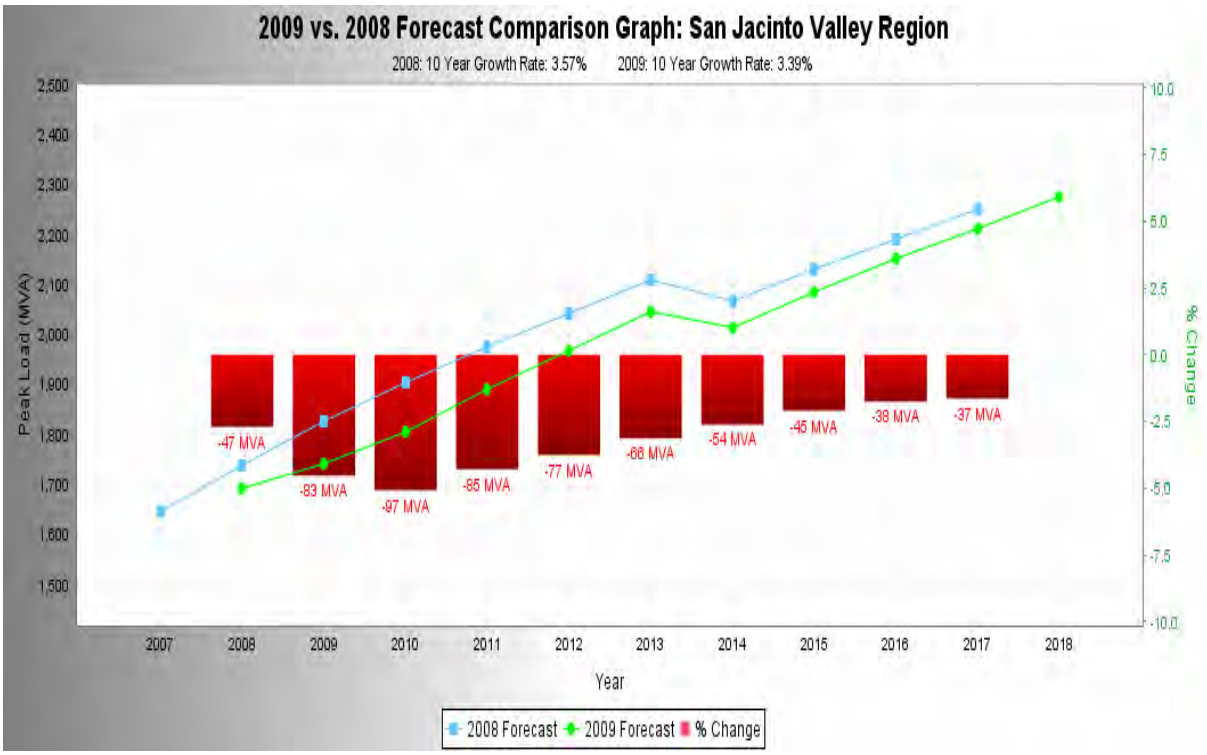
Project Objectives

The preferred alternative is required to provide additional transformer capacity to the San Jacinto Region to serve the projected electrical demand for the foreseeable future. It is also required to provide enhanced system operational flexibility to allow for the transfer of substations under both normal and abnormal conditions to be able to maintain safe and reliable electrical service to SCE's customers. The need date for the project is projected to be

2011 and the preferred alternative should have an operational date that meets this operating date or minimizes the amount of time between the operating date and the project in-service date.

Economic Climate Consideration

Although development has slowed, forecasted electrical demand continues to drive the need for a project to reduce the transformer loading of the Valley South System. Accounting for current economic conditions, SCE adjusted the forecasted demand utilizing reduced growth rates. Even with these revised projections, load growth continues to drive the need for a project to reduce the transformer loading of the Valley South System by 2011.



The CEC forecast considers the loading for the SCE electrical system at a system level. While this information is evaluated and incorporated as a whole and as part of the SCE System forecast, at the individual electrical system levels, the system planners use a more detailed model to project load based on known projects and plans for developments that come from general and specific plans from the developers, cities, and counties. The CEC forecasts are incorporated to the extent feasible to ensure that the SCE System as a whole aligns with the CEC forecast, but an individual system may not exhibit the exact same properties as does the CEC forecast. The planning for the Valley System in particular, demonstrates that while there has been a reduction in rate of growth, it still continues to

exhibit local growth rate that is still positive and is higher than that of the CEC system forecast. SCE's A-bank planning forecasts are based on a "bottom up" approach taking into account current construction activities in the area and planned developments within the cities and counties. This information continues to illustrate that while residential growth has slowed, commercial growth has increased.

SCE's proposed interim mitigation plan is still under development, but includes evaluation of existing SCE projects and how those projects may impact the need for mitigating the delayed operating date of the proposed Alberhill System Project. Specifically, there are existing projects to add a spare 560 MVA 500/115 kV transformer to meet SCE's Transmission Planning Criteria and Guidelines and another to replace all of the 115 kV circuit breakers on the Valley South System to accommodate the proposed mitigation plan. Potential use of this spare transformer as a load-carrying transformer as needed during the years 2011-2013 is being evaluated.

Evaluation of the 115 kV subtransmission system, assuming the Valley-Ivyglen 115 kV line is approved by the CPUC and constructed by SCE by 2011, it is projected that there would be no 115 kV subtransmission line overloads driving the need for the Alberhill System Project. The project is being driven by projected 500/115 kV transformer overloads on the Valley South System.

Load Forecast

Studies indicate that the Valley North System maintains sufficient capacity to serve projected load through the current 10-year planning horizon (see Table 1) however, increased electrical demand in the Valley South System could exceed available transformer capacity as early as summer of 2011 (see Tables 2a and 2b). As mentioned previously, the Valley North and Valley South Systems do not have ties to each other through the 115 kV subtransmision lines and are operated as separate and distinct systems. While there may be some reserve capacity in the Valley North System, the forecasted deficit in transformer capacity in the Valley South System is the prime driver for the Alberhill System Project. A long-range master plan was developed in 2004 to determine the ultimate needs at full build-out for the San Jacinto Region and identified the eventual need for four additional system projects; Alberhill 500/115 kV, Auld 500/115 kV, and Nuevo 500/115 kV and Alessandro 230/115 kV. The priority for developing these substations was directly influenced by the existing loading of both the Valley North and Valley South Systems and the forecasted load growth in each. The imminent need is to provide additional transformer capacity and system operational flexibility in the Valley South System, thus the Alberhill System Project was chosen as the first of the new 500/115 kV systems to be constructed to maintain safe and reliable electrical service to customers in the area.

Table 1, UPDATED Valley North System – Capacity and Forecasted Demand (MVA)

	Projected System Demand									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Valley North Capacity	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113
Total Valley North 1-in-2 Normal	738	763	802	835	868	901	931	958	983	1012
Total Valley North 1-in5 Heat Storm	786	812	853	889	924	958	991	1019	1045	1077

Table 2a, UPDATED Valley South System - Capacity and Forecasted Demand (MVA) WITHOUT ALBERHILL SYSTEM PROJECT

	Projected System Demand									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Valley South Capacity	1119	1119	1119	1119	1119	1119	1119	1119	1119	1119
Total Valley South 1-in-2 Normal	993	1032	1077	1118	1164	1208	1249	1290	1328	1361
Total Valley South 1-in5 Heat Storm	1057	1098	1145	1190	1239	1285	1330	1373	1413	1448

Table 2b, UPDATED Valley South System - Capacity and Forecasted Demand (MVA) WITH ALBERHILL SYSTEM PROJECT

	Projected System Demand									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Valley South Capacity	1119	1119	1119	1119	1119	1119	1119	1119	1119	1119
Valley South 1-in-2 Normal	993	1032	1077	1118	1164	813	845	873	899	924
Valley South 1-in-5 Heat Storm	1057	1098	1145	1190	1239	865	900	929	956	983
Alberhill Capacity	0	0	0	0	0	1120	1120	1120	1120	1120
Alberhill 1-in-2 Normal Normal	0	0	0	0	0	395	404	417	429	437
Alberhill 1-in-5 Heat Storm	0	0	0	0	0	420	430	444	457	465

Alternatives Considered

Projections indicate that electric demand in the Electrical Needs Area will exceed the maximum design operating limits of the Valley South System by 2011.

To address the issue, the following alternatives were considered and were evaluated on the individual merits and the ability for each to achieve the project objectives:

- **System Alternative 1**- Transfer Load from Valley South to Valley North:

  This alternative proposes the transfer of two 115 kV substations from the Valley South System to the Valley North System. This alternative would require rebuilding substantial

portions of existing lines as well as the construction of a new 115 kV subtranmission line. This alternative would simply shift the problem from the Valley South System to the Valley North System, as approximately two years later a new project would be required to relieve the Valley North System. This alternative is undesirable due to the substantial cost for what amounts to a temporary solution.

This option would only last two years because transferring Newcomb and Sun City Substations merely shifts the transformer overload problem from the Valley South System to the Valley North System. While the Valley North System is not currently projected to be overloaded in 2011, the addition of two substations would cause it to exceed its planned loading limits by 2013 (based on current forecasts). The ultimate solution would still require a new 500/115 kV substation whether the overload is on the Valley South System or the Valley North System.

- **System Alternative 2** –Expansion of Valley 500/115 kV Substation:

  This alternative proposes the installation of an additional 560 MVA 500/115 kV transformer to provide service to the Valley South System. The total number of load carrying 500/115 kV transformers at Valley Substation would increase from four to five. While this alternative may provide the required transformer capacity to serve load in the Electrical Needs Area for the next 8-10 years, it would not provide the equivalent amount of transformer capacity increase as would a new 500/115 kV system nor would it address the system operation flexibility problem that exists today. This alternative is not comparable to those alternatives that propose to construct new 500/115 kV systems and thus, is considered only a measure of mitigation bridging the time between when the transformer overloads are projected to occur and when ultimately, another 500/115 kV system would still be needed. In addition, it would place a significant amount of stress on the 115 kV subtransmission lines serving the Valley South System which would be inadequate to deliver the increased capacity to the load made available through the addition of a fifth 500/115 kV load carrying transformer and it consequently reduces SCE's ability efficiently manage N-1 conditions. Expanding Valley Substation would require additional property and ROW which would be very difficult, if not impossible, to realize. For the reasons mentioned above SCE does not recommend this alterative. A rough order-of-magnitude estimate for this alternative is $40 million.

  SCE has an existing project to install a fifth 500/115 kV transformer to serve as a spare to bring the Valley System into compliance with SCE's Transmission Planning Criteria and Guidelines which states that all 500/115 kV systems shall have an on-site spare transformer. This alternative would consider using this project to supply the fifth 500/115 kV transformer as a load carrying transformer for the Valley South System rather than a spare transformer. In doing so, SCE would have to order a sixth 500/115 kV transformer to have on-site spare. Analysis has been performed to determine that this alternative is not feasible due to current substation equipment layout and plot plan limitations. As mentioned previously, the ultimate plan for Valley Substation is to have only three load

carrying and one spare 500/115 kV transformers. With the existing project to install a fifth transformer as a spare, the ultimate design is already being exceeded. The proposal to add a sixth transformer is not feasible since there is not sufficient space within Valley Substation to place a sixth transformer.

- **System Alternative 3** - New 230/115 kV Substation:

  This alternative proposes construction of a new 230/115 kV substation and would require the acquisition of a significant amount of new rights-of-way (ROW) through populated areas to provide a source to the proposed substation. Although, this alternative would provide the required capacity to serve load in the Electrical Needs Area on a long-term basis, the nearest 230 kV source is approximately 30 miles away (SCE's Vista Substation) and would require three new 230 kV source lines for a total of 90 miles of 230 kV construction[1]. The operating date would be significantly delayed due to the time it would take to license, perform environment assessment, acquire and procure 30 miles of ROW, and to construct the facilities. A rough order-of-magnitude cost estimate for this project is $300 million (including all costs for CAISO TAC and CPUC dollars).

- **System Alternative 4** – Construction of Auld System Project:

  This alternative proposes the construction of a new 500/115 kV substation with an initial capacity of 1,120 MVA. This project would be similar to the construction of the Alberhill System Project, with the exception that it would be significantly further from the available 500 kV high voltage source. It would be located south of the existing Valley Substation and would require approximately 28 miles of ROW through heavily populated areas to accommodate two 14-mile 500 kV transmission lines to provide the required capacity to serve load in the Electrical Needs Area on a long-term basis. This alternative would have the same substation configuration as Alternative 5. It is essentially the same substation in a different location. NOTE: The Auld System Project is also part of the long-range master plan for the San Jacinto Region, but would require much longer licensing, permitting, and construction times and carries a significantly higher cost. Specifically, the cost of this project is expected to be considerably greater than the Alberhill System Project due to the length of the two required 500 kV source lines.

  Although Alternative 4 is not the current recommendation by SCE, it is part of the long-range master plan for the San Jacinto Region. At this time, recommending the Auld System Project as the proposed alternative would not be ideal, as the licensing, permitting, and construction times would most certainly take much longer than that of the Alberhill System Project, hence further delaying the project operating date. The Valley

[1] SCE standard construction for a 230 kV transmission line limits the amount of load that can be served by a single line to approximately 380 MVA and would therefore require three source lines to reliably serve the forecasted demand of the new substation in 2012.

South System is in critical need of relief and proposing an alternative that would delay the operating date any further is not recommended.

- **System Alternative 5** – Construct Alberhill System Project:

  This alternative proposes the construction of a new 500/115 kV substation with an initial capacity of 1,120 MVA. It would be located west of the existing Valley Substation and within a mile from the existing 500 kV line ROW. Construction of approximately two miles of new 500 kV transmission line segments would be required to loop in the existing Serrano-Valley 500 kV transmission line. It would provide the required capacity to serve load in the Electrical Needs Area on a long-term basis. While it is expected that any alternatives requiring construction of transmission lines would have significant licensing, permitting, and construction activities, the Alberhill System Project alternative has the least of amount of new transmission line construction, thus shortening the amount of time required to complete the project and meet the project objectives. Additionally, of the alternatives considered with transmission line construction elements, the Alberhill System Project alternative is expected to have the least amount of environmental impact. NOTE: The Alberhill System Project is part of the long-range master plan for the San Jacinto Region. See supplemental Excel spread sheet for detail cost information.

- **System Alternative 6** – Do nothing:

  This alternative is not a viable since it would prevent SCE from providing safe and reliable electrical service to its customers in the Electrical Needs Area. It would lead to frequent and prolonged service interruption and rolling blackouts.

System Alternative Recommendation

SCE recommends Alternative 5 as the preferred alternative to serve forecasted electrical demand in the Electrical Needs Area and to serve as an integral part of the long-range master plan for the San Jacinto Region. Constructing a new 500/115 kV system project by looping in the existing Serrano-Valley 500 kV transmission line would reduce projected electrical demand on the Valley South System through the transfer of five existing substations from the Valley South System to the proposed Alberhill 500/115 kV Substation. These transfers would reduce the loading of the Valley South System by a projected 420 MVA, reducing the demand on the transformers serving the Valley South System and bringing them well within operating limits.

The proposed Alberhill System Project would increase reliability in the Electrical Needs Area by providing 115 kV subtransmission tie-lines to the Valley South System which currently has none. These tie-lines would provide the capability of transferring substations

between the two systems under both normal and abnormal conditions. This option would initially provide 1,120 MVA of additional 500/115 kV transformer capacity with an ultimate transformer capacity of 1,680 MVA. In addition, it could also serve as the point of interconnection for the LEAPS Project.

By utilizing the existing Serrano-Valley 500 kV transmission line to serve the proposed Alberhill System Project, SCE is effectively reducing the project construction schedule while minimizing environmental impacts and reducing costs.

Though the schedule has been adjusted to have an operating date of 2014, which is three years after the projected need date, the mitigation plan being developed is considered sufficient to cover the projected deficit in capacity until the Alberhill System Project is completed.

Alternative 1 is also not recommended as it is not a long-term solution and does not eliminate the eventual need for another 500/115 kV substation.

Alternative 2 is not recommended as it would cause Valley Substation to further exceed it ultimate design limit. Valley Substation was designed to operate with a maximum of three load carrying transformers along with one spare transformer. As electrical demand has increased in the San Jacinto Region, to meet the transformer capacity required to serve the load, the spare transformer at Valley Substation had to be put in-service. To bring Valley Substation back into compliance with SCE's Transmission Planning Criteria and Guidelines, a new spare transformer has been ordered and with an expected installation in 2011, With the addition of this spare transformer, Valley Substation will have been expanded beyond its design limits and thus SCE does not recommend any alternative that proposes to further exceed the substation's design limits.

Alternatives 3 and 4 are both not recommended as each would require significant licensing, permitting, land and ROW acquisition, and construction times and each would have operating dates that would be significantly later than that of Alternative 5. Consideration of these elements, as well as the expected environmental impacts and costs, prevent these alternatives from meeting the project objectives.

Alternative 6 is not recommended as it is not considered viable as it does not meet the project objectives.

In conclusion, as the Valley 115 kV Systems (including 500/115 kV transformers) are not under ISO jurisdiction, SCE seeks approval for the loop-in of the Serrano-Valley 500 kV

transmission line into the proposed 500 kV switch rack as part of the Alberhill System Project.

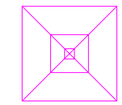
Appendix D

APPENDIX D

ALBERHILL SYSTEM PROJECT
500 KV TRANSMISSION LINES
ROAD STORY

PRELIMINARY DESIGN
SUBJECT TO REVISION

LEGEND



PROPOSED STRUCTURE INCLUDING LAND DISTURBANCE

C1 CENTERLINE

N3 CENTERLINE

C1 SPUR ROAD

N3 SPUR ROAD

EXISTING ROAD

MATCHLINE

NOTE: PRELIMINARY ENGINEERING LOCATIONS SHOWN. ROW BOUNDARY, CONSTRUCTION AREAS, ROADS, CONSTRUCTION YARDS, AND STRUCTURE TYPES AND LOCATIONS WILL BE FIELD VERIFIED AND ADJUSTED AS NECESSARY DURING FINAL ENGINEERING

SCALE: 1" = 100'

ALBERHILL ROAD STORY
REV. 3

ENGINEER: ADOLFO ESPINO

AUGUST 31, 2009

NOTE: PRELIMINARY ENGINEERING LOCATIONS SHOWN. ROW BOUNDARY, CONSTRUCTION AREAS, ROADS, CONSTRUCTION YARDS, AND STRUCTURE TYPES AND LOCATIONS WILL BE FIELD VERIFIED AND ADJUSTED AS NECESSARY DURING FINAL ENGINEERING

08/31/2009

LEGEND

- PROPOSED STRUCTURE INCLUDING LAND DISTURBANCE
- C1 T/L CENTERLINE
- N3 T/L CENTERLINE
- C1 SPUR ROAD
- N3 SPUR ROAD
- EXISTING ROAD
- MATCHLINE

8
7
6
5
4
3
2
1

ACRD_N3-3
TOWER N3-4
TOWER N3-3
ACRD_C1-4
TOWER C1-4
TOWER C1-3
ACRD_N3-2
TOWER N3-2
TOWER C1-2
ACRD_C1-2
ACRD_C1-3
TOWER N3-1
TOWER C1-1
ACRD_C1-1
TOWER N3-0
TOWER C1-0

SCALE: 1"=500'

ALBERHILL LOOP PROJECT

KEY MAP

NOTE: PRELIMINARY ENGINEERING LOCATIONS SHOWN. ROW BOUNDARY, CONSTRUCTION AREAS, ROADS, CONSTRUCTION YARDS, AND STRUCTURE TYPES AND LOCATIONS WILL BE FIELD VERIFIED AND ADJUSTED AS NECESSARY DURING FINAL ENGINEERING

08/31/2009

MATCHLINE SEE SHEET 2

TOWER N3-0

B

TOWER C1-0

C

LEGEND

- PROPOSED STRUCTURE INCLUDING LAND DISTURBANCE
- C1 T/L CENTERLINE
- N3 T/L CENTERLINE
- C1 SPUR ROAD
- N3 SPUR ROAD
- EXISTING ROAD
- MATCHLINE

SCALE: 1"=100'

ALBERHILL LOOP PROJECT

NOTE: PRELIMINARY ENGINEERING LOCATIONS SHOWN. ROW BOUNDARY, CONSTRUCTION AREAS, ROADS, CONSTRUCTION YARDS, AND STRUCTURE TYPES AND LOCATIONS WILL BE FIELD VERIFIED AND ADJUSTED AS NECESSARY DURING FINAL ENGINEERING

TOWER N3-1

MATCHLINE SEE SHEET 3

TOWER C1-1

ACRD_C1-1

MATCHLINE SEE SHEET 1

LEGEND

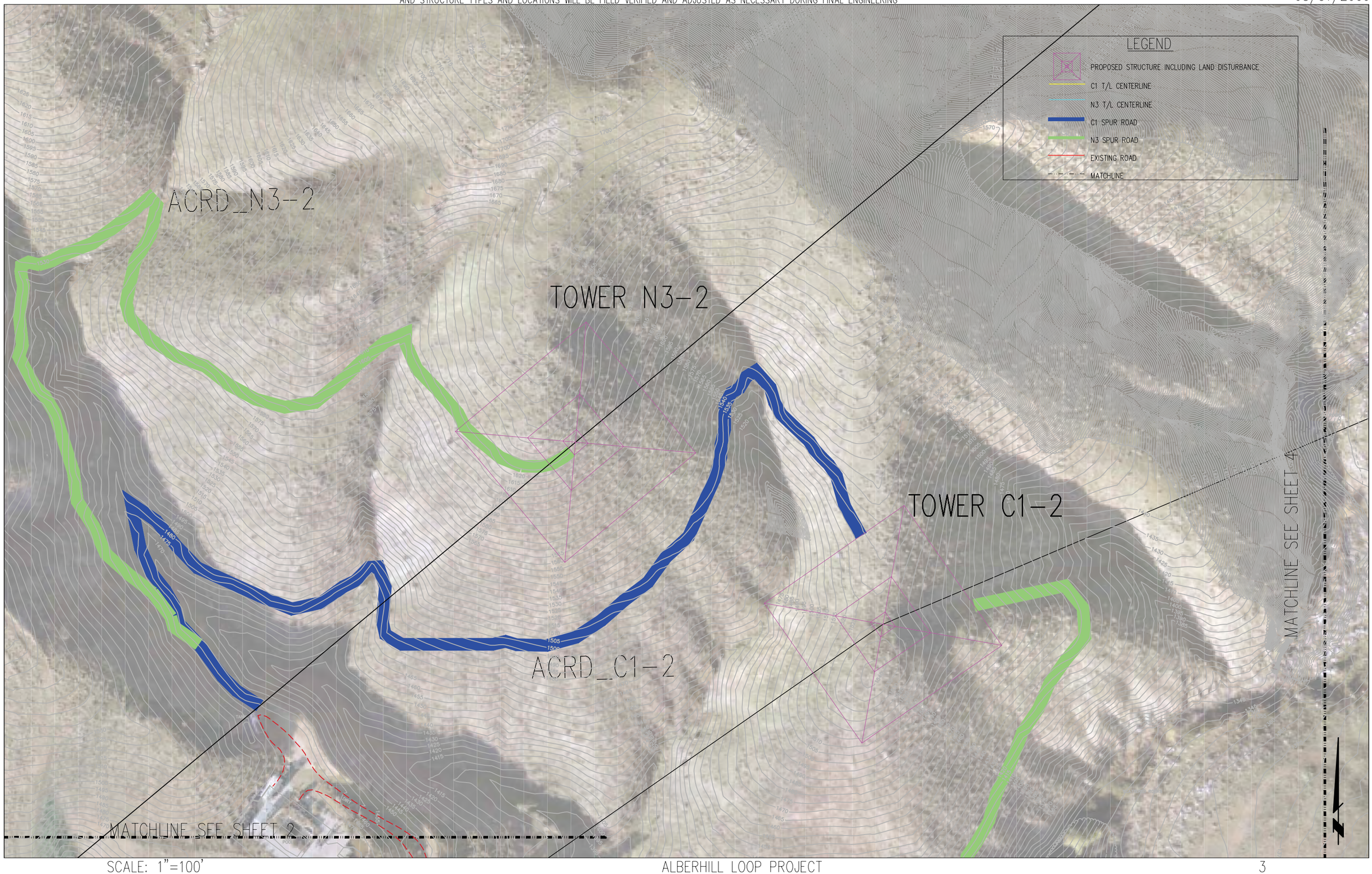
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- C1 T/L CENTERLINE
- N3 T/L CENTERLINE
- C1 SPUR ROAD
- N3 SPUR ROAD
- EXISTING ROAD
- MATCHLINE

SCALE: 1"=100'

ALBERHILL LOOP PROJECT

NOTE: PRELIMINARY ENGINEERING LOCATIONS SHOWN. ROW BOUNDARY, CONSTRUCTION AREAS, ROADS, CONSTRUCTION YARDS, AND STRUCTURE TYPES AND LOCATIONS WILL BE FIELD VERIFIED AND ADJUSTED AS NECESSARY DURING FINAL ENGINEERING

08/31/2009



SCALE: 1"=100'

NOTE: PRELIMINARY ENGINEERING LOCATIONS SHOWN. ROW BOUNDARY, CONSTRUCTION AREAS, ROADS, CONSTRUCTION YARDS, AND STRUCTURE TYPES AND LOCATIONS WILL BE FIELD VERIFIED AND ADJUSTED AS NECESSARY DURING FINAL ENGINEERING

08/31/2009

LEGEND

- PROPOSED STRUCTURE INCLUDING LAND DISTURBANCE
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- N3 SPUR ROAD
- EXISTING ROAD
- MATCHLINE

MATCHLINE SEE SHEET 3

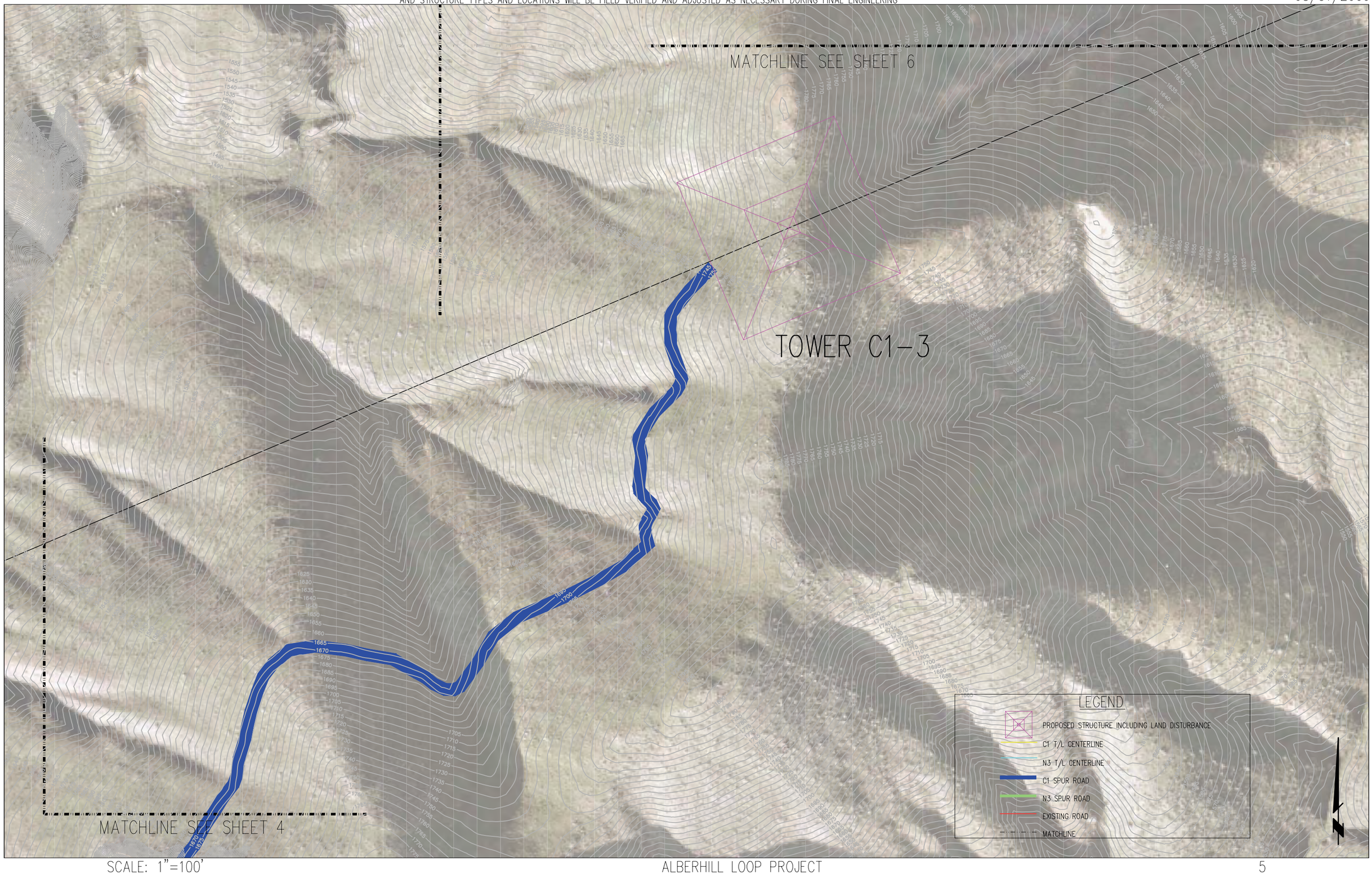
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MATCHLINE SEE SHEET 5

SCALE: 1"=100'

ALBERHILL LOOP PROJECT

NOTE: PRELIMINARY ENGINEERING LOCATIONS SHOWN. ROW BOUNDARY, CONSTRUCTION AREAS, ROADS, CONSTRUCTION YARDS, AND STRUCTURE TYPES AND LOCATIONS WILL BE FIELD VERIFIED AND ADJUSTED AS NECESSARY DURING FINAL ENGINEERING



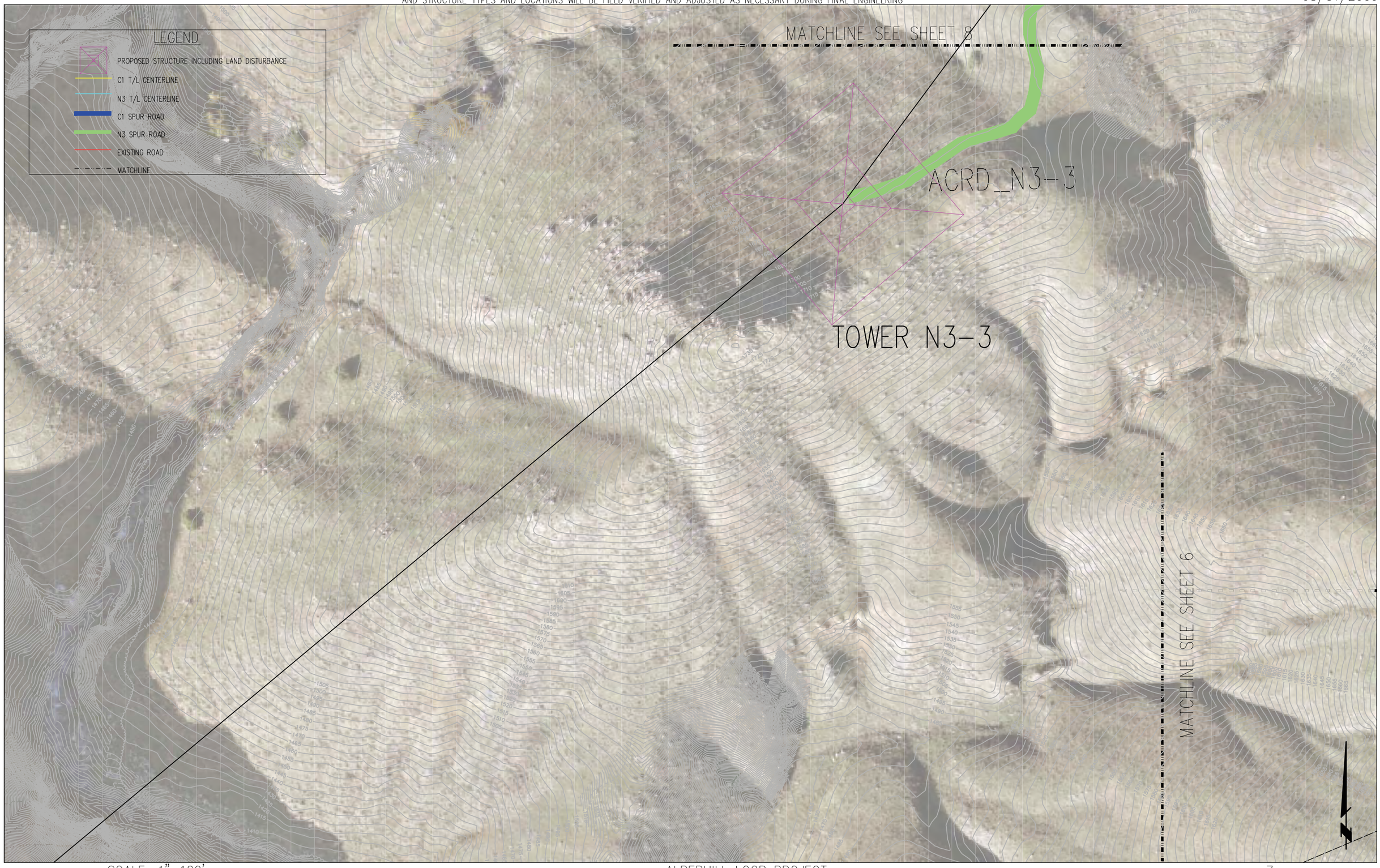
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NOTE: PRELIMINARY ENGINEERING LOCATIONS SHOWN. ROW BOUNDARY, CONSTRUCTION AREAS, ROADS, CONSTRUCTION YARDS, AND STRUCTURE TYPES AND LOCATIONS WILL BE FIELD VERIFIED AND ADJUSTED AS NECESSARY DURING FINAL ENGINEERING



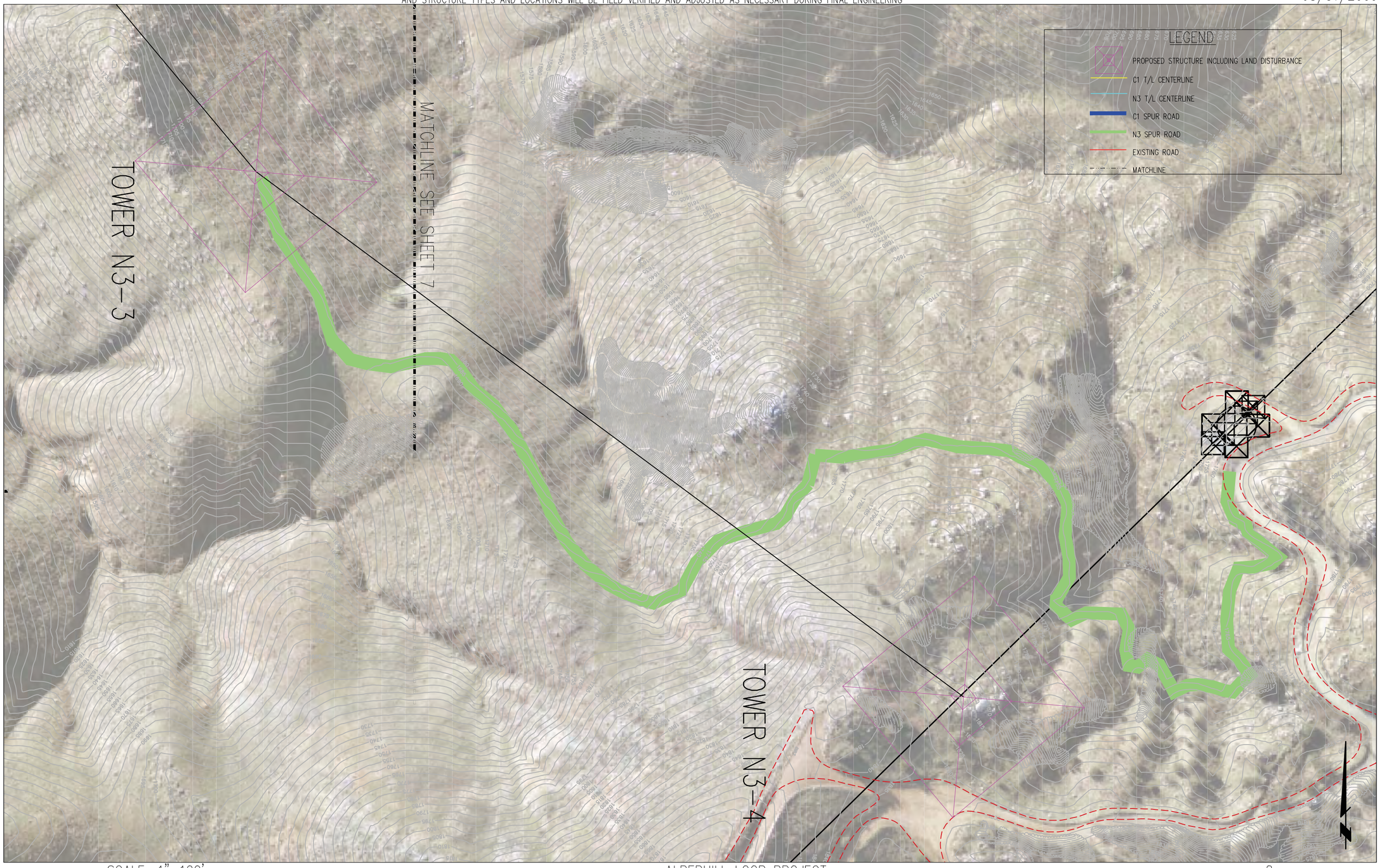
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NOTE: PRELIMINARY ENGINEERING LOCATIONS SHOWN. ROW BOUNDARY, CONSTRUCTION AREAS, ROADS, CONSTRUCTION YARDS, AND STRUCTURE TYPES AND LOCATIONS WILL BE FIELD VERIFIED AND ADJUSTED AS NECESSARY DURING FINAL ENGINEERING



SCALE: 1"=100'

NOTE: PRELIMINARY ENGINEERING LOCATIONS SHOWN. ROW BOUNDARY, CONSTRUCTION AREAS, ROADS, CONSTRUCTION YARDS, AND STRUCTURE TYPES AND LOCATIONS WILL BE FIELD VERIFIED AND ADJUSTED AS NECESSARY DURING FINAL ENGINEERING

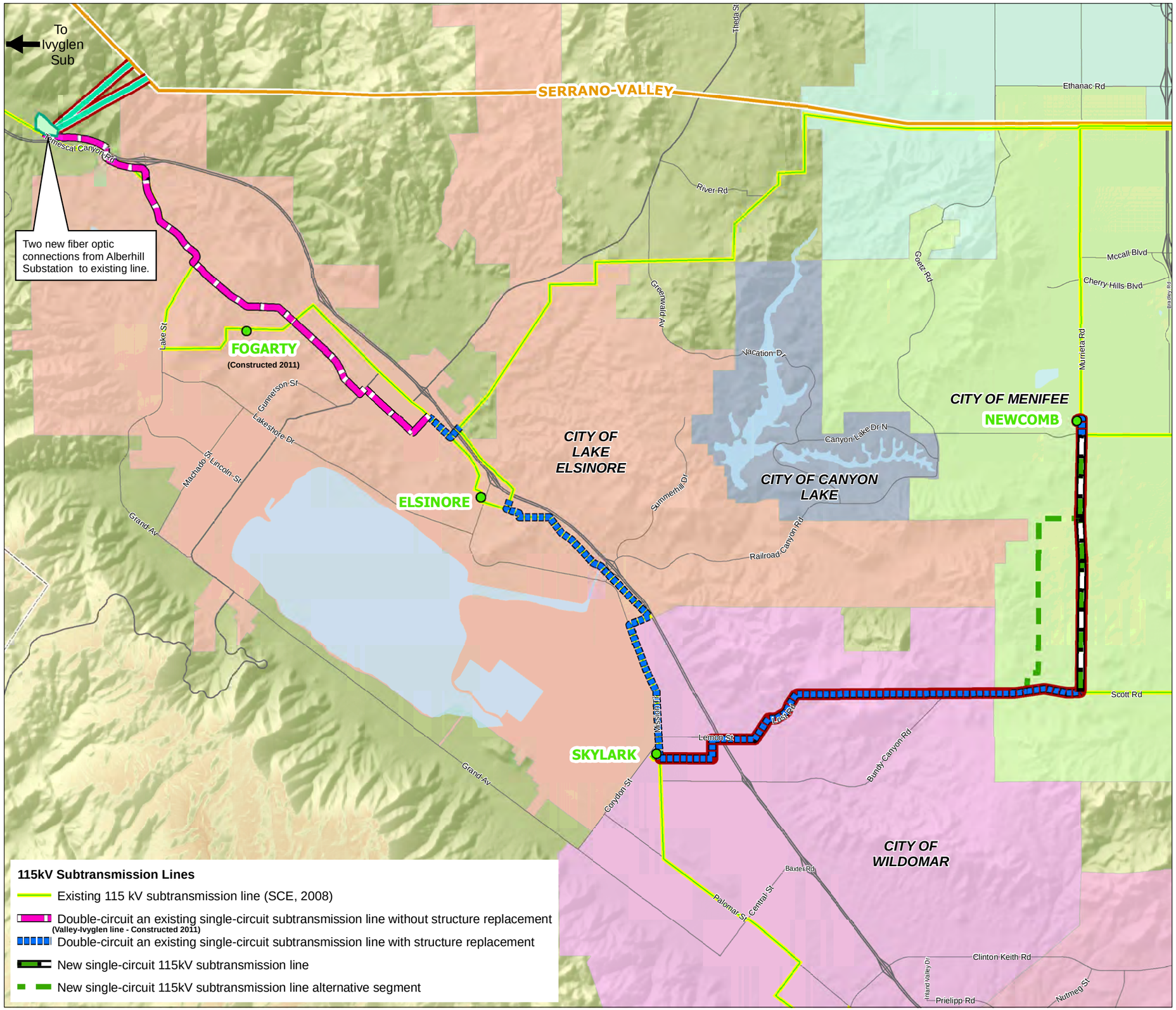


SCALE: 1"=100'

Appendix E

APPENDIX E

Appendix E
Telecommunication Improvements



New Fiber Optic Cable on Proposed Project Structures

Substations

- Proposed Alberhill Substation
- Substations (SCE, 2008)

500kV Transmission Lines (SCE, 2007)

- Existing 500 kV Transmission Lines (SCE, 2007)
- Proposed 500kV Transmission Line Segments

Basemap Data

- Transportation Lines (TBM, 2008)
- SCE Service Territory Boundary (SCE, 2006)
- County Boundaries (TBM, 2008)
- Water Features (TBM, 2008)

N
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0 0.5 1 2 Miles



Features depicted herein are planning level accuracy, and intended for informational purposes only. Distances and locations may be distorted at this scale. Always consult with the proper legal documents or agencies regarding such features.
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Major Transmission Projects - Alberhill Sub Project

Appendix F

APPENDIX F

APPENDIX F Construction Equipment and Personnel Requirements

Primary Equipment Description	Estimated Horsepower	Probable Fuel Type	Primary Equipment Quantity	Estimated Schedule (Days)	Duration of Use (Hours/Day)
Substation					
Survey					
Crew Vehicle	200	Gasoline	2	15	2
Grading					
Dozer	305	Diesel	1	60	7
Loader	147	Diesel	2	60	4
Scraper	267	Diesel	1	60	7
Grader	110	Diesel	1	60	7
Water Truck	350	Diesel	1	60	7
4x4 Backhoe	79	Diesel	2	60	7
4x4 Tamper	174	Diesel	1	60	7
Crew Vehicle	200	Gasoline	5	60	7
Fencing					
Bobcat	75	Diesel	1	15	8
Flatbed Truck	350	Diesel	1	15	3
Crewcab Truck	300	Diesel	3	15	2
Civil					
Excavator	152	Diesel	2	90	4
Foundation Auger	79	Diesel	2	90	7
Backhoe	79	Diesel	3	90	6
Dump Truck	350	Diesel	2	90	2
Skip Loader	75	Diesel	2	90	3
Water Truck	350	Diesel	1	90	5
Bobcat Skid Steer	75	Diesel	2	90	4
Forklift	83	Diesel	1	90	4
17-ton Crane	125	Diesel	1	90	2
Control Building					
Carry-all Truck	350	Diesel	2	20	2
Stake Truck	350	Diesel	1	20	2

Primary Equipment Description	Estimated Horsepower	Probable Fuel Type	Primary Equipment Quantity	Estimated Schedule (Days)	Duration of Use (Hours/Day)
Electrical					
Scissor Lift	87	Diesel	2	300	5
Manlift	43	Diesel	2	300	7
Reach Manlift	87	Diesel	2	300	6
15-ton Crane	125	Diesel	1	300	5
Crew Truck	200	Gasoline	6	300	2
Wiring					
Manlift	43	Diesel	1	250	4
Crew Truck	200	Gasoline	4	250	2
Transformers					
Crane	125	Diesel	1	90	6
Forklift	83	Diesel	1	90	6
Crew Truck	200	Gasoline	4	90	2
Low Bed Truck	350	Diesel	1	90	4
Maintenance Crew Equipment Check					
Maintenance Truck	300	Diesel	2	60	4
Testing					
Crew Truck	200	Gasoline	2	200	3
Asphalting					
Paving Roller	46	Diesel	2	30	4
Asphalt Paver	152	Diesel	1	30	4
Stake Truck	350	Diesel	1	30	4
Tractor	45	Diesel	1	30	3
Dump Truck	350	Diesel	1	30	3
Crew Trucks	200	Gasoline	2	30	2
Asphalt Curb Machine	35	Diesel	1	30	3
Landscaping					
Tractor	45	Diesel	1	45	7
Dump Truck	350	Diesel	1	45	3
Forklift	83	Diesel	1	45	4
Crew Truck	200	Gasoline	4	45	2

Primary Equipment Description	Estimated Horsepower	Probable Fuel Type	Primary Equipment Quantity	Estimated Schedule (Days)	Duration of Use (Hours/Day)
500 kV Transmission					
Survey					
1/2-Ton Pick-up Truck, 4x4	200	Gas	2	3	8
Marshalling Yard					
1-Ton Crew Cab, 4x4	300	Diesel	1	All	2
30-Ton Crane Truck	300	Diesel	1	All	2
10,000 lb Rough Terrain Fork Lift	200	Diesel	1	All	5
Truck, Semi, Tractor	350	Diesel	1	All	1
Roads and Landing Work					
1-Ton Crew Cab, 4x4	300	Diesel	2	9	2
Road Grader	350	Diesel	1	9	4
Water Truck	350	Diesel	2	9	8
Backhoe/Front Loader	350	Diesel	1	9	6
Drum Type Compactor	250	Diesel	1	9	4
Track Type Dozer	350	Diesel	1	9	6
Excavator	300	Diesel	1	9	6
Lowboy Truck/Trailer	500	Diesel	1	9	2
Tower Removal					
3/4-Ton Pick-up Truck, 4x4	300	Diesel	2	4	5
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	2	4	5
Compressor Trailer	120	Diesel	1	4	6
80-Ton Rough Terrain Crane	350	Diesel	1	4	6
Install Tower Foundations					
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	2	26	2
30-Ton Crane Truck	300	Diesel	1	26	5

Primary Equipment Description	Estimated Horsepower	Probable Fuel Type	Primary Equipment Quantity	Estimated Schedule (Days)	Duration of Use (Hours/Day)
Backhoe/Front Loader	200	Diesel	1	26	8
Auger Truck	500	Diesel	1	26	8
4000 gallon Water Truck	350	Diesel	1	26	8
10-cu. yd. Dump Truck	350	Diesel	2	26	8
10-cu. yd. Concrete Mixer Truck	425	Diesel	3	26	5
Tower Steel Haul					
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	2	13	2
10,000 lb Rough Terrain Fork Lift	200	Diesel	1	13	6
40' Flat Bed Truck/ Trailer	350	Diesel	1	13	8
Tower Steel Assembly					
3/4-Ton Pick-up Truck, 4x4	300	Diesel	3	26	4
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	2	26	4
10,000 lb Rough Terrain Fork Lift	200	Diesel	1	26	6
30-Ton Crane Truck	300	Diesel	2	26	8
Compressor Trailer	350	Diesel	2	26	6
Tower Erection					
3/4-Ton Pick-up Truck, 4x4	300	Diesel	2	13	5
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	2	13	5
Compressor Trailer	120	Diesel	1	13	6
80-Ton Rough Terrain Crane	350	Diesel	1	13	6
Wire Stringing					
3/4-Ton Pick-up Truck, 4x4	300	Diesel	6	5	8
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	5	5	8

Primary Equipment Description	Estimated Horsepower	Probable Fuel Type	Primary Equipment Quantity	Estimated Schedule (Days)	Duration of Use (Hours/Day)
Wire Truck/Trailer	350	Diesel	6	5	2
Pole Truck/Trailer	500	Diesel	1	5	6
Dump Truck (Trash)	350	Diesel	1	5	2
20,000 lb. Rough Terrain Fork Lift	350	Diesel	1	5	2
22-Ton Manitex	350	Diesel	1	5	8
30-Ton Manitex	350	Diesel	4	5	6
Splicing Rig	350	Diesel	2	5	2
Splicing Lab	300	Diesel	2	5	2
Spacing Cart	10	Diesel	3	5	8
Static Truck/ Tensioner	350	Diesel	1	5	2
3 Drum Straw line Puller	300	Diesel	2	5	4
60lk Puller	525	Diesel	1	5	3
Sag Cat w/ 2 winches	350	Diesel	2	5	2
580 Case Backhoe	120	Diesel	1	5	2
D8 Cat	300	Diesel	4	5	1
Lowboy Truck/Trailer	500	Diesel	1	5	2
Hughes 500 E Helicopter		Jet A	1	1	4
Fuel, Helicopter Support Truck	300	Diesel	1	1	2
Restoration					
1-Ton Crew Cab, 4x4	300	Diesel	2	4	2
Road Grader	350	Diesel	1	4	6
Water Truck	350	Diesel	1	4	8
Backhoe/Front Loader	350	Diesel	1	4	6
Drum Type Compactor	250	Diesel	1	4	6
Track Type Dozer	350	Diesel	1	4	6

Primary Equipment Description	Estimated Horsepower	Probable Fuel Type	Primary Equipment Quantity	Estimated Schedule (Days)	Duration of Use (Hours/Day)
Lowboy Truck/Trailer	300	Diesel	1	4	3
115 kV Subtransmission					
Survey					
1/2-Ton Pick-up Truck, 4x4	200	Gas	2	18	8
Marshalling Yard					
1-Ton Crew Cab, 4x4	300	Diesel	1	All	2
30-Ton Crane Truck	300	Diesel	1	All	2
10,000 lb Rough Terrain Fork Lift	200	Diesel	1	All	5
Truck, Semi, Tractor	350	Diesel	1	All	1
Roads and Landing Work					
1-Ton Crew Cab, 4x4	300	Diesel	2	86	2
Road Grader	350	Diesel	1	86	4
Water Truck	350	Diesel	2	86	8
Backhoe/Front Loader	350	Diesel	1	86	6
Drum Type Compactor	250	Diesel	1	86	4
Track Type Dozer	350	Diesel	1	86	6
Excavator	300	Diesel	1	43	6
Lowboy Truck/Trailer	500	Diesel	1	43	2
Guard Structure Installation					
3/4-Ton Pick-up Truck, 4x4	300	Diesel	2	26	6
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	1	26	6
Compressor Trailer	120	Diesel	1	26	6
Auger Truck	500	Diesel	1	26	6
Extendable Flat Bed Pole Truck	350	Diesel	1	26	6
30-Ton Crane Truck	500	Diesel	1	26	8

Primary Equipment Description	Estimated Horsepower	Probable Fuel Type	Primary Equipment Quantity	Estimated Schedule (Days)	Duration of Use (Hours/Day)
80ft. Hydraulic Man-lift/Bucket Truck	350	Diesel	1	26	4
Remove Existing H-Frames					
1-Ton Crew Cab, 4x4	300	Diesel	2	23	5
10,000 lb. Rough Terrain Forklift	200	Diesel	1	23	4
30-Ton Crane Truck	300	Diesel	2	23	6
Compressor Trailer	120	Diesel	2	23	6
Flat Bed Truck/ Trailer	350	Diesel	1	23	8
Remove Existing Poles					
3/4-Ton Pick-up Truck, 4x4	300	Diesel	2	3	5
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	2	3	5
Compressor Trailer	120	Diesel	1	3	5
80-Ton Rough Terrain Crane	350	Diesel	1	3	6
Install TSP Foundations					
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	3	74	2
30-Ton Crane Truck	300	Diesel	1	74	5
Backhoe/Front Loader	200	Diesel	1	74	8
Auger Truck	500	Diesel	1	50	8
4000 gallon Water Truck	350	Diesel	1	74	8
10-cu. yd. Dump Truck	350	Diesel	2	74	8
10-cu. yd. Concrete Mixer Truck	425	Diesel	3	50	5
Steel Pole Haul					
3/4-Ton Pick-up Truck, 4x4	300	Diesel	2	125	5
80-Ton Rough Terrain Crane	350	Diesel	1	125	6

Primary Equipment Description	Estimated Horsepower	Probable Fuel Type	Primary Equipment Quantity	Estimated Schedule (Days)	Duration of Use (Hours/Day)
40' Flat Bed Truck/ Trailer	350	Diesel	2	125	8
Steel Pole Assembly					
3/4-Ton Pick-up Truck, 4x4	300	Diesel	2	249	5
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	2	249	5
Compressor Trailer	120	Diesel	1	249	5
80-Ton Rough Terrain Crane	350	Diesel	1	249	6
Steel Pole Erection					
3/4-Ton Pick-up Truck, 4x4	300	Diesel	2	249	5
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	2	249	5
Compressor Trailer	120	Diesel	1	249	5
80-Ton Rough Terrain Crane	350	Diesel	1	249	6
Wire Stringing					
3/4-Ton Pick-up Truck, 4x4	300	Diesel	2	89	8
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	4	89	8
Wire Truck/Trailer	350	Diesel	2	60	2
Dump Truck (Trash)	350	Diesel	1	89	2
Bucket Truck	350	Diesel	2	89	8
22-Ton Manitex	350	Diesel	2	89	8
Splicing Rig	350	Diesel	1	23	2
Splicing Lab	300	Diesel	1	23	2
3 Drum Straw line Puller	300	Diesel	1	45	6
Static Truck/ Tensioner	350	Diesel	1	45	6
Guard Structure Removal					
3/4-Ton Pick-up Truck, 4x4	300	Diesel	2	18	6

Primary Equipment Description	Estimated Horsepower	Probable Fuel Type	Primary Equipment Quantity	Estimated Schedule (Days)	Duration of Use (Hours/Day)
1-Ton Crew Cab Flat Bed, 4x4	300	Diesel	2	18	6
Compressor Trailer	120	Diesel	2	18	6
Extendable Flat Bed Pole Truck	350	Diesel	2	18	6
30-Ton Crane Truck	500	Diesel	1	18	8
80ft. Hydraulic Man-lift / Bucket Truck	350	Diesel	1	18	4
Restoration					
1-Ton Crew Cab, 4x4	300	Diesel	2	18	2
Road Grader	350	Diesel	1	18	6
Water Truck	350	Diesel	1	18	8
Backhoe/Front Loader	350	Diesel	1	18	6
Drum Type Compactor	250	Diesel	1	18	6
Track Type Dozer	350	Diesel	1	18	6
Lowboy Truck/Trailer	300	Diesel	1	18	3
Telecommunications					
Tower Foundation					
Crew Truck	300	Diesel	2	5	8
Backhoe	79	Diesel	1	5	8
Stake bed truck	350	Diesel	1	5	8
Concrete Mixer	120	Diesel	1	5	8
Tower Construction					
Crew Trucks	300	Diesel	2	30	2
150-foot crane	300	Diesel	1	30	8
150-foot lift truck	100	Diesel	1	30	8
Dish Installation					
Crew Truck	300	Diesel	1	10	2
150-foot lift truck	300	Diesel	1	10	8
Control Building					

Primary Equipment Description	Estimated Horsepower	Probable Fuel Type	Primary Equipment Quantity	Estimated Schedule (Days)	Duration of Use (Hours/Day)
Crew Truck	300	Diesel	1	25	2
Bucket Truck	350	Diesel	1	25	8
Overhead Communications Installation					
Bucket truck	350	Diesel	1	31	8
Reel truck	300	Diesel	1	31	8
Substation Telecommunications Equipment Installation					
Van	200	Gasoline	2	10	2

Activity and Crew Size Assumptions

Activity	Crew Size Assumption
Substation	
Survey	One 4-person crew
Grading	One 10-person crew
Fencing	One 10-person crew
Civil	One 15-person crew
Control Building	One 6-person crew
Electrical	One 15-person crew
Wiring	One 8-person crew
Transformers	One 10-person crew
Maintenance Crew Equipment Check	One 4-person crew
Testing	One 4-person crew
Asphalting	One 10-person crew
Landscaping	One 10-person crews
500 kV Transmission	
Survey	One 4-person crew
Marshalling Yards	One 4-person crew
Roads & Landing Work	One 5-person crew
LST Removal	One 8-person crew
Install Foundations for LSTs	One 9-person crew
LST Steel Haul	One 4-person crew
LST Steel Assembly	Two 7-person crews
LST Erection	One 8-person crew
Wire Stringing	Four 8-person crews
Restoration	One 7-person crew
115 kV Subtransmission	
Survey	One 4-person crew
Marshalling Yards	One 4-person crew
Roads & Landing Work	One 5-person crew
Guard Structure Installation	One 6-person crew
Remove Existing Wood Poles	One 6-person crew
Remove Existing TSP / LWS Poles	One 8-person crew
Install Foundations for Tubular Steel Poles	One 7-person crew

Activity	Crew Size Assumption
Steel Pole Haul	One 4-person crew
Steel Pole Assembly	One 8-person crew
Steel Pole Erection	One 8-person crew
Conductor & OHGW/OPGW Installation	Two 8-person crews
Guard Structure Removal	One 6-person crew
Restoration	One 7-person crew
Telecommunications	
Tower Foundation	One 4-person crew
Tower Construction	One 4-person crew
Dish Installation	One 4-person crew
Control Building	One 2-person crew
Overhead Telecommunications Installation	One 4-person crew
Substation Telecommunications Equipment Installation	One 2-person crew

Appendix G

APPENDIX G

APPENDIX G Aesthetics Background

VISUAL SIMULATIONS

The following describes the methodology used by EDAW | AECOM to prepare visual simulations for the Alberhill System Project - Proponent's Environmental Assessment. Please note that these visual simulations were based on preliminary project information, initial engineering designs, and general route alignments provided by SCE. Final engineering designs, equipment specifications, pole heights and locations, and construction methods may change the final appearance of the Proposed Project.

Visual Simulation Methodology

A typical visual simulation is produced by combining site photography with accurate, rendered computer models to predict what would be seen if the Proposed Project were actually built. Creation of visual simulations to analyze the potential impacts of the proposed project was broken into the following five primary steps:

1. Design Data Review / Asset Collection
2. Site Reconnaissance/Photography
3. Computer 3D Digital Modeling / Materials Texturing
4. View-Matching / Lighting / Rendering
5. Digital Painting / Compositing

1. Design Data Review / Asset Collection

Before the simulation process began, a review of available design data of the Proposed Project was conducted with SCE. EDAW | AECOM used this information to confirm assumptions and coordinate additional design information as needed. EDAW | AECOM was provided with a CAD DWG Format file of the substation layout and basic elevations, two Google Earth KMZ files showing locations of the 500 kV towers, generic not-to-scale PDF representations of a typical 115kv pole top, 500 kV tower types, and preliminary diagrammatic routes of the 115 kV subtransmission routes.

EDAW | AECOM reviewed this information in detail and began collecting/preparing pre-existing 3D models of typical substation components and reviewed which components could be used or adapted to the Alberhill System Project.

2. Site Reconnaissance/Photography

A site reconnaissance was conducted by EDAW | AECOM for the study area. An inventory of site photographs was shot documenting views from the study area to provide

context photographs and potential key observation points for visual simulations. This inventory served as a sampling of the visual landscape and represented typical views from publicly accessible areas. From this inventory of photographs, base images were selected for further study in visual simulations, typically called Key Observation Points (KOPs). Where appropriate, selected photographs were stitched together using the Photomerge tool in Adobe Photoshop to increase the field of view of the project.

These photographs were shot using two compact digital cameras; The Panasonic Lumix DMC-LZ7 and a Canon Powershot A700. All photographs and their corresponding camera EXIF embedded data were sorted through and documented, including the time of day, month and year as well as exact view locations collected using a hand-held GPS device. This information was subsequently integrated into a GIS database of the study area produced by EDAW | AECOM.

3. Computer Modeling / Materials Texturing

To ensure accuracy in portraying the proposed project from the selected Key Observation Points, a three dimensional (3D) computer model was created using a combination of the provided AutoCAD files, GIS Layers and exported to Autodesk's 3D Studio Max for production. The model is typically comprised of the following components:

1. Base Model / Context Model

2. Proposed Project / Development Model

3. Textures and Materials

4. Computer Simulated Lighting

5. Virtual Cameras

Base Model / Context Model

The base model is a scene of the study area measured in real-world units. It is the virtual environment that contains all of the modeled components used to produce the visual simulations. The base model is generated to provide accurate contextual information for the location and placement of the 3D modeled components in the life-size computer environment.

An existing conditions terrain 3D model was created from a GIS database which provided DEM information, from which contour line data was extracted and refined from ArcGIS for this project. The contour lines were then imported into AutoCAD for final preparation before importing into 3D Studio MAX for terrain modeling.

An ortho-rectified aerial photograph of the study area obtained from the USGS Seamless website was then prepared and mapped onto the surface of the terrain model to serve as a

guide and visual reference. The area was then cut out to insert the substation layout model.

Proposed Project / Development

3D models of proposed elements were then created based on all available design information received.

Time was spent on creating acceptable models that represented SCE's proposed elements, such as the telecom tower, 500 kV transmission towers, and 115 kV subtransmission structures.

Models were created from PDFs, and acceptable models representing the structures were approved by SCE. The substation model was assembled with other pre-built 3D model substation components, and the project-specific GIS building and control building were built based on available CAD data and some generic photographs sent by SCE as reference. The entire proposed model was then integrated into the base model.

The scene was then put through computer simulated lighting to accurately recreate the original lighting depicted in the photographs. The model went through several lighting and rendering tests before the viewmatching process began.

A separate model was created for the placement of the 70 foot tall subtransmission poles along new and existing routes. The 3D model was used primarily as base for accurate height and spatial depictions and lighting, while the rest of the simulations were visually done in photoshop for the views that show the subtransmission lines.

Virtual Cameras

Representative Key Observation Point locations were photographed with a digital camera for which the X,Y,Z coordinate position of the camera, focal length of the camera lens, and eye-level height of the photographer were recorded and identified. This data was integrated into the 3D computer model to create virtual camera viewpoints that matched their positions in the life-size computer modeled environment to the lens of the original camera. This process is typically called "View-Matching". This ensures that the 3D model of the Proposed Project in the scene would be accurately portrayed in scale and distance from the Key Observation Points.

4. View-Matching / Lighting / Rendering

Each virtual camera went through the view-matching process to match the photographs taken using embedded metadata taken from the original pictures. Depending on the accuracy of the metadata, and the accuracy of the 3D elements built, the process could take up to a few hours. To maximize accuracy, the 3D scene created had at least 2-3 elements built that match the real world dimensions of key foreground, midground and background elements in the photos. For the Alberhill project, EDAW | AECOM used the existing 3D terrain site model, existing roads with elevations compiled from CAD

drawings received and GIS spatial data, GIS points for the camera locations and several other elements massed out in 3D such as tree locations. Once matched, the model went through the final lighting process to match the existing conditions.

Due to the nature of stitching photographs to create panoramas, the resulting wide-angle images showed some visual distortion towards the edges of the frames. EDAW | AECOM set the Proposed Project in the center-frame on the panoramic photos to minimize on possible distortions during the simulation process.

On occasion where a base photograph consisted of 3-4 photographs, each photo was individually matched in 3D Studio MAX and rendered separately and later stitched together to match the base photo. This ensured a more accurate matching process.

5. Digital Painting / Compositing

Once the 3D model was constructed, view-matched, textured and put through the lighting process, the rendering of the 3D model was composited over the existing conditions viewpoints using image editing software such as Photoshop. In this step, details from the computer model are blended seamlessly into the base photograph to produce the final visual simulations. Other components that were not built in 3D were simulated in 2D using Photoshop for additional detail and blending. The final images were then put through the Visual Analysis process and evaluated for changes.

Review of Planning Documents

The Riverside County General Plan includes policies to preserve and protect outstanding scenic vistas and visual features for the enjoyment of the public. In addition, the Circulation Element identifies I-15 and SR 74 as eligible state and county scenic highways (Riverside County, 2008).

The substation site is within an area zoned Manufacturing-Service Commercial (M-SC), which is intended to accommodate light manufacturing and industrial uses. Permitted uses include electrical equipment and industrial uses such as public utility substations. The 500 kV transmission line segments would cross lands zoned as Natural Assets (N-A), which allows for a variety of uses including single-family dwellings, crops, and grazing. Public utility substations are considered a permitted use in the N-A zone.

The following policies are reproduced from the Land Use Element (LU), Circulation Element (C), and Elsinore Area Plan (ELAP) in the Riverside County 2008 General Plan:

LU 13.1 Preserve and protect outstanding scenic vistas and visual features for the enjoyment of the traveling public. (AI 32, 79)

LU 13.3 Ensure that the design and appearance of new landscaping, structures, equipment, signs, or grading within Designated and Eligible State and County scenic highway corridors are compatible with the surrounding scenic setting or environment. (AI 3, 32, 39)

LU 13.5 Require new or relocated electric or communication distribution lines, which would be visible from Designated and Eligible State and County Scenic Highways, to be placed underground. (AI 3, 32)

LU 13.8 Avoid the blocking of public views by solid walls. (AI 3)

C 19.1 Preserve scenic routes that have exceptional or unique visual features in accordance with Caltrans' Scenic Highways Plan. (AI 79)

C 25.2 Locate new and relocated utilities underground when possible. All remaining utilities shall be located or screened in a manner that minimizes their visibility by the public. (AI 32)

ELAP 1.1 Protect the life and property of residents and maintain the character of the Gavilan Hills through adherence to the Hillside Development and Slope section of the General Plan Land Use Element, the Environmentally Sensitive Lands section of the Multipurpose Open Space Element, and the Slope and Soil Instability section of the General Plan Safety Element.

ELAP 13.1 Protect Interstate 15 and State Route 74 from change that would diminish the aesthetic value of adjacent properties through adherence to the Scenic Corridors sections of the General Plan Land Use and Circulation Elements.

ELAP 10.1 Adhere to the lighting requirements of Riverside County for standards that are intended to limit light leakage and spillage that may interfere with the operations of the Palomar Observatory.

The following is reproduced from the City of Lake Elsinore's draft General Plan (2008):

<u>Goal 9 Provide and maintain a natural and built environment that is visually pleasing to City residents and visitors.</u>

Policies

9.1 Require a dark sky analysis and mitigation of projects proposing extensive nighttime lighting within the "Ring Analysis" area for impacts to Mt. Palomar Observatory.

9.2 Preserve the City's non-urban visual character, in particular the surrounding hillsides, which topographically define the lake region.

9.3 For new developments and redevelopment, encourage the maintenance and incorporation of existing mature trees and other substantial vegetation on the site, whether naturally-occurring or planted, into the landscape design.

9.4 Maintain and improve the quality of existing landscaping in parkways, parks, civic facilities, rights-of-ways, and other public open areas.

9.5 Where appropriate, encourage new planting of native and/or non-invasive ornamental plants to enhance the scenic setting of public and private lands.

Goal 10 Preserve valued public views throughout the City.

Policies

10.1 Discourage development that blocks or substantially alters public views of Lake Elsinore and local ridgelines.

10.2 Encourage the dedication of open space in hillside development proposals to preserve and enhance view opportunities from transportation corridors and surrounding development.

10.4 Establish a series of community gateways for individual communities to promote the visual character of the area.

Goal 11 Minimize activities, development, and landform modification that could distract viewers from the City's visual character.

Policies

11.2 Discourage extractive uses or development that entails excessive light and glare visible from private and public viewpoints.

11.3 Require grading plans for any hillside development to include specifications for revegetation and new planting to minimize hillside scarring.

Appendix H

APPENDIX H

AIR QUALITY CALCULATIONS

Construction Emissions

The following emissions were calculated for construction activities:

1. Peak daily criteria pollutant emissions for comparison with the South Coast Air Quality Management District (SCAQMD) mass daily emissions CEQA significance thresholds. The following steps were used to calculate these emissions:

    a. Daily emissions were calculated for each construction phase for each Proposed Project Component.
    These calculations are in Table 7 through Table 47.
    Total daily emissions, including both on-site and off-site sources, are summarized by construction phase in Table 1.

    Emission factors for off-road construction equipment and motor vehicle exhaust are from the SCAQMD CEQA Handbook webpage for calendar year 2012.
    The exhaust emission factors are in Table 49 through Table 51.

    Emission factors for fugitive PM10 and PM2.5 from vehicle travel on paved and unpaved roads were calculated using emission factor equations from AP-42 Sections 13.2.1and 13.2.2.
    These emission factors are in Table 52.

    PM10 and PM2.5 emission factors for earth moving and soil handling were calculated from AP-42 sections and from the SCAQMD CEQA Handbook.
    These emission factors are in Table 53.

    b. The construction phases for each Proposed Project component that could overlap were identified, and daily emissions from overlapping phases were added together. The highest emissions that could occur on a single day during construction of each Proposed Project component were then identified. These emissions are summarized in Table 2.

    c. Since construction of all of the Proposed Project components could occur at the same time, the maximum daily emissions during construction of the components were added together to estimate peak daily construction emissions. The peak daily construction emissions are in Table 2.

2. Maximum daily on-site emissions during construction of each Proposed Project component for use in a Localized Significance Threshold (LST) analysis using the look-up table in Appendix C to the SCAQMD's Localized Significance Methodology. The following steps were used to calculate these emissions and to conduct the LST analysis.

AIR QUALITY CALCULATIONS

a. Daily on-site emissions were calculated for each construction phase for each Proposed Project Component. On-site emissions for substation construction were defined as emissions that would occur on the substation site. On-site emissions for 500 kV transmission line and 115 kV subtransmission line construction were defined as emissions that would occur at a single 500 kV lattice tower or a 115 kV pole location.
These calculations are in Table 7 through Table 47.
On-site daily emissions by construction phase are summarized in Table 3.

The same emission factors used to calculate total daily emission were used to calculate on-site daily emissions.

b. Since multiple construction phases could occur at the same time at the substation site, daily on-site emissions from overlapping phases were added together to identify maximum on-site daily emissions during substation construction. Maximum daily on-site emissions during telecommunications construction were added to the maximum daily emissions during substation construction, since telecommunications construction will occur at the substation site.
Maximum daily on-site emissions Table 4.

c. Since only one construction phase could occur at a 500 kV transmission line tower location or 115 kV subtransmission line pole location, emissions from overlapping phases were not added together to calculate maximum daily on-site emissions. Maximum daily on-site emissions during 500 kV transmission line and 115 kV subtransmission line construction are in Table 4.

d. Distances to the closest receptors were determined for the LST analysis. For the substation site, the distance to the closest commercial receptor was used for analyses for CO and NO2, since the air quality thresholds are for short-term averaging periods. The distance to the closest residential receptor was used for the PM10 and PM2.5 analyses, since the air quality thresholds are for 24-hour averaging periods, and an individual would probably not be located at a commercial location for 24 hours.
The closest receptor to a 500 kV transmission tower location is a residence.
A distance of 25 meters was assumed for the receptor distance for the analysis for 115 kV subtransmission line construction.

e. The look-up table values for the Lake Elsinore source/receptor area were were used for the LST analyses.

f. The maximum construction area in the look-up tables of 5 acres was used for the LST analysis for the substation site, and the minimum area of 1 acre was used for the 500 kV transmission line tower and 115 kV subtransmission line pole analyses.

g. The maximum allowable daily on-site emissions for the analyses for the substation and 500 kV transmission line towers were calculated using linear interpolation with receptor distance of the emissions in the look-up tables to calculate allowable emissions for the actual receptor distances. Interpolation was not used for the LST analyses for the 115 kV subtransmission line analyses, since the receptor distance was assumed to be 25 meters. The LST analyses are in Table 5.

3. Total greenhouse gas (GHG) emissions during construction. The following steps were used to calculate these emissions:

   a. Total GHG emissions were calculated for each construction phase for Each Proposed Project Component.
   These calculations are in Table 7 through Table 47.
   Total GHG emissions, including both on-site and off-site sources, are summarized by construction phase in Table 6.

   Emission factors for off-road construction equipment and motor vehicle exhaust are from the SCAQMD CEQA Handbook webpage for calendar year 2012.
   The exhaust emission factors are in Table 49 through Table 51.

   b. Total GHG emissions during each construction phase were added together to calculate total GHG emissions during construction.
   These emissions are summarized in Table 6.

Operational Emissions

The following emissions were calculated for operational activities:

1. Peak daily criteria pollutant emissions for comparison with the South Coast Air Quality Management District (SCAQMD) mass daily emissions CEQA significance thresholds. The following steps were used to calculate these emissions:

   a. Daily emissions were calculated for each operational activity, including 500 kV transmission line inspections, 115 kV subtransmission line inspections and visits to the substation site.
   These calculations are in Table 48.

   Emission factors for off-road construction equipment and motor vehicle exhaust are from the SCAQMD CEQA Handbook webpage for calendar year 2012.
   The exhaust emission factors are in Table 49 through Table 51.

   Emission factors for fugitive PM10 and PM2.5 from vehicle travel on paved and unpaved roads were calculated using emission factor equations from AP-42 Sections 13.2.1and 13.2.2.
   These emission factors are in Table 52.

b. It was conservatively assumed that the transmission line inspections would both occur on the same day as a visit to the substation site, and daily emissions from these three activities were added together to peak daily operational emissions.
These emissions are in Table 48.

2. Annual greenhouse gas (GHG) emissions during operation. The following steps were used to calculate these emissions:

a. Annual emissions were calculated for each operational activity, including 500 kV transmission line inspections, 115 kV subtransmission line inspections and visits to the substation site.
These calculations are in Table 48.

Emission factors for off-road construction equipment and motor vehicle exhaust are from the SCAQMD CEQA Handbook webpage for calendar year 2012.
The exhaust emission factors are in Table 49 through Table 51.

b. Annual emissions from leakage of sulfur hexafluoride (SF6) from gas-insulated switch gear (GIS) were calculated by multiplying the total amount of SF6 in new GIS by the estimated annual leakage rate. The annual SF6 leakage rate was then multiplied by the SF6 global warming potential to calculate annual CO2-equivalent emissions from SF6 leakage.
These calculations are in Table 48.

c. Annual GHG emissions from the operational activities and from SF6 leakage were added together tot calculate Annual operational GHG emissions.
These emissions are summarized in Table 48.

Table 1
Construction Emissions Summary
Total Daily Criteria Pollutant Emissions by Construction Phase

Phase	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Substation Construction						
Survey	0.20	1.91	0.19	0.00	5.78	0.57
Grading	10.67	48.15	91.66	0.11	89.87	14.67
Fencing	0.91	7.16	3.68	0.01	16.36	1.82
Civil	7.10	39.78	58.75	0.09	26.25	5.48
Control Building	0.32	2.99	0.54	0.00	14.81	1.48
Electrical	3.53	17.48	16.36	0.03	18.69	2.82
Wiring	0.66	4.56	1.15	0.01	11.63	1.20
Transformers	1.47	9.07	7.56	0.01	21.79	2.54
Maintenance Crew Equipment Check	0.24	2.15	0.53	0.00	15.43	1.55
Testing	0.20	1.95	0.20	0.00	8.56	0.85
Asphalting	5.43	20.27	34.76	0.05	25.51	3.96
Landscaping	5.05	22.72	48.57	0.07	22.52	4.02
500 kV Transmission Line Construction						
Survey	0.21	1.99	0.20	0.00	9.32	0.93
Marshalling Yard	0.83	3.90	6.35	0.01	5.62	0.73
Roads and Landing Work	5.73	20.95	51.38	0.07	27.65	4.88
Tower Removal	2.01	9.83	13.63	0.02	27.91	3.32
Tower Foundations Installation	3.50	15.12	30.73	0.06	60.38	6.90
Tower Steel Haul	0.72	4.10	4.59	0.01	25.34	2.64
Tower Steel Assembly	5.78	24.01	52.28	0.07	21.77	3.62
Tower Erection	2.03	9.99	13.81	0.02	31.45	3.68
Wire Stringing	25.64	73.34	118.87	8.01	125.58	16.03
Restoration	5.40	20.71	48.26	0.07	26.85	4.62
115 kV Subtransmission Line Construction						
Survey	0.22	2.14	0.22	0.00	0.25	0.02
Marshalling Yard	0.83	3.90	6.35	0.01	5.62	0.73
Roads and Landing Work	5.88	21.89	52.77	0.07	7.78	2.73
Guard Structure Installation	3.73	16.27	32.74	0.05	1.73	1.22
Remove Existing Wood H-Frames and Poles	3.77	15.42	29.39	0.04	1.83	1.34
Remove Existing Tubular Steel/Light Weight Steel Poles	2.08	10.59	14.31	0.02	1.19	0.64
Install Tubular Steel Pole Foundations	3.83	16.42	34.99	0.06	2.75	1.26
Steel Pole Haul	1.46	6.79	12.28	0.02	0.78	0.44
Steel Pole Assembly	2.08	10.59	14.31	0.02	1.19	0.64
Steel Pole Erection	2.08	10.59	14.31	0.02	1.19	0.64
Wire Stringing	8.48	36.74	84.17	0.12	3.89	2.64
Guard Structure Removal	3.59	15.70	29.50	0.04	1.88	1.31
Restoration	5.56	21.67	49.68	0.07	5.17	1.99
Telecommunications Construction						
Tower Foundation	1.89	10.17	12.11	0.02	1.72	0.97
Tower Construction	2.12	9.28	16.70	0.02	1.02	0.71
Dish Installation	0.74	4.26	3.92	0.01	0.52	0.27
Control Building	1.18	5.33	13.85	0.02	0.54	0.38
Overhead Communications Installation	1.28	6.25	13.95	0.02	0.65	0.39
Substation Telecommunications Equipment Installation	0.14	1.38	0.14	0.00	0.16	0.01

Table 2
Construction Emissions Summary
Total Daily Criteria Pollutant Emissions for Overlapping Construction Phases

Group[a]	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Substation Construction						
Survey	0.20	1.91	0.19	0.00	5.78	0.57
Grading	10.67	48.15	91.66	0.11	89.87	14.67
Fencing, Control Building, Electrical, Wiring, Transformers, Maintenance Crew Equipment Check, Testing, Asphalting	12.76	65.62	64.78	0.12	132.77	16.21
Civil	7.10	39.78	58.75	0.09	26.25	5.48
Landscaping	5.05	22.72	48.57	0.07	22.52	4.02
Maximum	**12.76**	**65.62**	**91.66**	**0.12**	**132.77**	**16.21**
500 kV Transmission Line Construction						
Survey	0.21	1.99	0.20	0.00	9.32	0.93
Marshalling Yard, Roads and Landing Work, Tower Removal, Tower Foundations Installation, Tower Steel Haul, Tower Steel Assembly, Tower Erection	20.60	87.89	172.78	0.26	200.12	25.79
Wire Stringing	25.64	73.34	118.87	8.01	125.58	16.03
Restoration	5.40	20.71	48.26	0.07	26.85	4.62
Maximum	**25.64**	**87.89**	**172.78**	**8.01**	**200.12**	**25.79**
115 kV Subtransmission Line Construction						
Survey	0.22	2.14	0.22	0.00	0.25	0.02
Marshalling Yard, Roads and Landing Work, Guard Structure Installation, Remove Existing Wood H-Frames and Poles, Remove Existing Tubular Steel/Light Weight Steel Poles, Install Tubular Steel Pole Foundations, Steel Pole Haul, Steel Pole Assembly, Steel Pole Erection, Wire Stringing, Guard Structure Removal	37.81	164.89	325.13	0.48	29.83	13.57
Restoration	5.56	21.67	49.68	0.07	5.17	1.99
Maximum	**37.81**	**164.89**	**325.13**	**0.48**	**29.83**	**13.57**
Telecommunications Construction						
Tower Foundation	1.89	10.17	12.11	0.02	1.72	0.97
Tower Construction	2.12	9.28	16.70	0.02	1.02	0.71
Dish Installation, Control Building, Overhead Communications Installation, Substation Telecommunications Equipment Installation	3.35	17.23	31.86	0.05	1.87	1.06
Maximum	**3.35**	**17.23**	**31.86**	**0.05**	**1.87**	**1.06**
PEAK DAILY[b]	**79.56**	**335.63**	**621.42**	**8.65**	**364.60**	**56.62**

[a] The construction phases within a group could all occur at the same time.

[b] Peak daily emissions are the sum of the maximum daily emissions during construction of the substation, the 500 kV transmission lines, the 115 kV subtransmission lines and the telecommunications facilities

Table 3
Construction Emissions Summary
Onsite Daily Criteria Pollutant Emissions by Construction Phase

Phase	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Substation Construction						
Survey	0.01	0.08	0.01	0.00	5.57	0.56
Grading	8.07	34.98	65.22	0.07	87.41	13.55
Fencing	0.44	2.56	3.22	0.00	15.83	1.78
Civil	4.26	24.31	32.07	0.04	24.19	4.34
Control Building	0.03	0.23	0.26	0.00	14.49	1.46
Electrical	2.81	10.59	15.66	0.02	17.89	2.77
Wiring	0.28	0.88	0.78	0.00	11.20	1.18
Transformers	0.99	4.48	7.09	0.01	21.25	2.51
Maintenance Crew Equipment Check	0.04	0.31	0.35	0.00	15.22	1.53
Testing	0.01	0.11	0.01	0.00	8.35	0.84
Asphalting	2.98	7.71	10.18	0.01	23.18	2.91
Landscaping	0.93	3.42	3.58	0.00	18.68	2.12
500 kV Transmission Line Construction						
Survey	0.00	0.00	0.00	0.00	0.00	0.00
Marshalling Yard	0.64	2.06	6.17	0.01	5.41	0.72
Roads and Landing Work	5.43	18.34	50.51	0.07	7.31	2.84
Tower Removal	1.52	5.39	12.40	0.01	0.64	0.59
Tower Foundations Installation	2.91	10.27	28.44	0.05	1.17	0.93
Tower Steel Haul	0.36	0.98	3.52	0.01	0.11	0.10
Tower Steel Assembly	5.02	16.96	50.94	0.06	1.77	1.63
Tower Erection	1.52	5.39	12.40	0.01	0.64	0.59
Wire Stringing	10.94	39.58	106.05	0.14	3.88	3.57
Restoration	5.00	17.19	47.30	0.06	6.41	2.57
115 kV Subtransmission Line Construction						
Survey	0.00	0.00	0.00	0.00	0.00	0.00
Marshalling Yard	0.64	2.06	6.17	0.01	5.41	0.72
Roads and Landing Work	5.43	18.36	50.57	0.07	7.36	2.64
Guard Structure Installation	3.17	11.82	29.97	0.04	1.21	1.11
Remove Existing Wood H-Frames and Poles	3.27	11.43	27.14	0.03	1.35	1.24
Remove Existing Tubular Steel/Light Weight Steel Poles	1.43	5.06	11.86	0.01	0.59	0.54
Install Tubular Steel Pole Foundations	2.91	10.28	28.47	0.05	1.97	1.00
Steel Pole Haul	0.98	3.41	9.20	0.01	0.34	0.32
Steel Pole Assembly	1.43	5.06	11.86	0.01	0.59	0.54
Steel Pole Erection	1.43	5.06	11.86	0.01	0.59	0.54
Wire Stringing	7.09	25.69	77.52	0.10	2.57	2.37
Guard Structure Removal	2.89	10.47	25.28	0.03	1.24	1.14
Restoration	5.01	17.22	47.39	0.06	4.64	1.89
Telecommunications Construction						
Tower Foundation	1.49	7.10	9.96	0.01	1.35	0.89
Tower Construction	1.79	6.51	15.47	0.02	0.72	0.66
Dish Installation	0.49	1.96	3.21	0.00	0.26	0.24
Control Building	1.02	3.95	13.24	0.02	0.39	0.36
Overhead Communications Installation	1.02	3.95	13.24	0.02	0.39	0.36
Substation Telecommunications Equipment Installation	0.00	0.00	0.00	0.00	0.00	0.00

Table 4
Construction Emissions Summary
Total Daily Onsite Criteria Pollutant Emissions for Overlapping Construction Phases

Group[a]	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Substation and Telecommunications Construction						
Survey	0.01	0.08	0.01	0.00	5.57	0.56
Grading	8.07	34.98	65.22	0.07	87.41	13.55
Fencing, Control Building, Electrical, Wiring, Transformers, Maintenance Crew Equipment Check, Testing, Asphalting	7.59	26.88	37.55	0.04	127.40	14.97
Civil	4.26	24.31	32.07	0.04	24.19	4.34
Landscaping	0.93	3.42	3.58	0.00	18.68	2.12
Maximum Substation Construction	**8.07**	**34.98**	**65.22**	**0.07**	**127.40**	**14.97**
Maxim Substation plus Telecommunications	**9.87**	**42.08**	**80.69**	**0.09**	**128.75**	**15.86**
500 kV Transmission Line Construction						
Survey	0.00	0.00	0.00	0.00	0.00	0.00
Marshalling Yard	0.64	2.06	6.17	0.01	5.41	0.72
Roads and Landing Work	5.43	18.34	50.51	0.07	7.31	2.84
Tower Removal	1.52	5.39	12.40	0.01	0.64	0.59
Tower Foundations Installation	2.91	10.27	28.44	0.05	1.17	0.93
Tower Steel Haul	0.36	0.98	3.52	0.01	0.11	0.10
Tower Steel Assembly	5.02	16.96	50.94	0.06	1.77	1.63
Tower Erection	1.52	5.39	12.40	0.01	0.64	0.59
Wire Stringing	10.94	39.58	106.05	0.14	3.88	3.57
Restoration	5.00	17.19	47.30	0.06	6.41	2.57
Maximum	**10.94**	**39.58**	**106.05**	**0.14**	**7.31**	**3.57**
115 kV Subtransmission Line Construction						
Survey	0.00	0.00	0.00	0.00	0.00	0.00
Marshalling Yard	0.64	2.06	6.17	0.01	5.41	0.72
Roads and Landing Work	0.91	3.06	8.43	0.01	1.23	0.44
Guard Structure Installation	0.79	2.95	7.49	0.01	0.30	0.28
Remove Existing Wood H-Frames and Poles	0.22	0.76	1.81	0.00	0.09	0.08
Remove Existing Tubular Steel/Light Weight Steel Poles	0.71	2.53	5.93	0.01	0.29	0.27
Install Tubular Steel Pole Foundations	2.91	10.28	28.47	0.05	1.97	1.00
Steel Pole Haul	0.98	3.41	9.20	0.01	0.34	0.32
Steel Pole Assembly	0.71	2.53	5.93	0.01	0.29	0.27
Steel Pole Erection	0.71	2.53	5.93	0.01	0.29	0.27
Wire Stringing	7.09	25.69	77.52	0.10	2.57	2.37
Guard Structure Removal	0.48	1.75	4.21	0.00	0.21	0.19
Restoration	0.84	2.87	7.90	0.01	0.77	0.32
Maximum	**7.09**	**25.69**	**77.52**	**0.10**	**5.41**	**2.37**
Telecommunications Construction						
Tower Foundation	1.49	7.10	9.96	0.01	1.35	0.89
Tower Construction	1.79	6.51	15.47	0.02	0.72	0.66
Dish Installation	0.49	1.96	3.21	0.00	0.26	0.24
Control Building	1.02	3.95	13.24	0.02	0.39	0.36
Overhead Communications Installation	1.02	3.95	13.24	0.02	0.39	0.36
Substation Telecommunications Equipment Installation	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	**1.79**	**7.10**	**15.47**	**0.02**	**1.35**	**0.89**

[a] The construction phases within a group could all occur at the same time at the same location.

The following 115 kV Subtransmission Line construction activity emissions were divided by the following number of locations:

Roads and Landing Work: 6 structure pads per day

Guard Structure Installation: 4 structures per day

Remove Existing H-Frames and Poles: 15 poles per day

Remove Existing Tubular Steel/Light Weight Steel Poles: 2 poles per day

Steel Pole Assembly: 2 poles per day

Steel Pole Erection: 2 poles per day

Guard Structure Removal: 6 structures per day

Restoration: 6 structure pads per day

Table 5
Construction Emissions
Localized Significance Threshold Analysis

Pollutant	Daily Onsite Emissions (lb/day)	Receptor Distance (m)	Allowable Emissions Interpolation[a]					
			Distance 1 (m)	Emissions 1 (lb/day)	Distance 2 (m)	Emissions 2 (lb/day)	Interpolated Emissions (lb/day)[b]	Allowable Exceeded?
Substation and Telecommunications Construction[c]								
CO	42	270	200	7,535	500	25,792	11,795	No
NOx	81	270	200	672	500	1,072	765	No
PM10	129	420	200	96	500	207	177	No
PM2.5	16	420	200	31	500	105	85	No
500 kV Transmission Line Construction[d]								
CO	40	93	50	974	100	1,918	1,786	No
NOx	106	93	50	203	100	292	280	No
PM10	7	93	50	12	100	30	27	No
PM2.5	4	93	50	4	100	8	7	No
115 kV Subtransmission Line Construction[e]								
CO	26	25	25	661	25	661	661	No
NOx	78	25	25	162	25	162	162	No
PM10	5	25	25	13	25	13	13	No
PM2.5	2	25	25	3	25	3	3	No

[a] Allowable emissions are from Appendix C to Final Localized Significance Methodology, SCAQMD, revised July 2008, downloaded from http://www.aqmd.gov/ceqa/handbook/LST/LST.html

[b] Interpolated emissions = Emissions 1 + (Receptor distance - Distance 1) x (Emissions 2 - Emissions 1) / (Distance 2 - Distance 1)

[c] CO and NOx receptor distances are closest commercial receptor; PM10 and PM2.5 are closest residential receptor. Allowable emissions are for a 5 acre site.

[d] Closest receptor to a transmission tower base is a residence at approximately 93 meters. Allowable emissions are for a 1 acre site.

[e] Allowable emissions for CO, NOx and PM2.5 are for a 1-acre site to represent construction at a pole location. Maximum PM10 emissions occur at the marshalling yard, so allowable emissions are for a 5-acre site

Table 6
Construction Emissions Summary
Total Greenhouse Gas Emissions by Construction Phase

Phase	CO2e (MT)
Substation Construction	
Survey	1.88
Grading	308.11
Fencing	7.26
Civil	344.84
Control Building	3.98
Electrical	346.32
Wiring	71.49
Transformers	57.04
Maintenance Crew Equipment Check	8.71
Testing	25.52
Asphalting	67.02
Landscaping	145.52
500 kV Transmission Line Construction	
Survey	0.39
Marshalling Yard	49.35
Roads and Landing Work	31.64
Tower Removal	3.69
Tower Foundations Installation	56.52
Tower Steel Haul	5.73
Tower Steel Assembly	84.58
Tower Erection	12.15
Wire Stringing	9.83
Restoration	11.76
115 kV Subtransmission Line Construction	
Survey	2.52
Marshalling Yard	171.54
Roads and Landing Work	256.82
Guard Structure Installation	61.57
Remove Existing Wood H-Frames and Poles	38.90
Remove Existing Tubular Steel/Light Weight Steel Poles	4.94
Install Tubular Steel Pole Foundations	226.10
Steel Pole Haul	102.56
Steel Pole Assembly	252.13
Steel Pole Erection	252.13
Wire Stringing	402.01
Guard Structure Removal	31.38
Restoration	54.69
Telecommunications Construction	
Tower Foundation	3.68
Tower Construction	29.66
Dish Installation	2.96
Control Building	21.78
Overhead Communications Installation	28.86
Substation Telecommunications Equipment Installation	0.90
Total	**3,598.48**

Table 7
Substation Construction Emissions
Survey

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Exhaust	0.01	0.08	0.01	0.00	0.00	0.00	0.1
Onsite Motor Vehicle Fugitive PM	--	--	--	--	5.56	0.56	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.01**	**0.08**	**0.01**	**0.00**	**5.57**	**0.56**	**0.1**
Offsite Motor Vehicle Exhaust	0.19	1.84	0.19	0.00	0.02	0.01	1.8
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.19	0.00	
Offsite Total	**0.19**	**1.84**	**0.19**	**0.00**	**0.21**	**0.01**	**1.8**
Total	**0.20**	**1.91**	**0.19**	**0.00**	**5.78**	**0.57**	**1.9**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
None				

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
None		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
None	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
None	0.0	0.0	0.0
Total	**0.0**	**0.0**	**0.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
Crew Vehicle	2	15	2	5
Offsite				
Worker Commute	4	15	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Crew Vehicle	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Offsite									
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 7
Substation Construction Emissions
Survey

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Crew Vehicle	0.01	0.08	0.01	0.00	0.00	0.00
Onsite Total	**0.01**	**0.08**	**0.01**	**0.00**	**0.00**	**0.00**
Offsite						
Worker Commute	0.19	1.84	0.19	0.00	0.02	0.01
Offsite Total	**0.19**	**1.84**	**0.19**	**0.00**	**0.02**	**0.01**
Total	**0.20**	**1.91**	**0.19**	**0.00**	**0.02**	**0.01**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Crew Vehicle	0.1	0.0	0.1
Onsite Total	**0.1**	**0.0**	**0.1**
Offsite			
Worker Commute	1.8	0.0	1.8
Offsite Total	**1.8**	**0.0**	**1.8**
Total	**1.9**	**0.0**	**1.9**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Crew Vehicle	2	Unpaved	5	0.556	0.056	5.56	0.56
Onsite Total						**5.56**	**0.56**
Offsite							
Worker Commute	4	Paved	60	0.001	0.000	0.19	0.00
Offsite Total						**0.19**	**0.00**
Total						**5.76**	**0.56**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 8
Substation Construction Emissions
Grading

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	7.96	34.13	64.61	0.07	3.41	3.14	189.0
Onsite Motor Vehicle Exhaust	0.11	0.85	0.61	0.00	0.03	0.03	4.6
Onsite Motor Vehicle Fugitive PM	--	--	--	--	65.58	6.56	
Earthwork Fugitive PM	--	--	--	--	18.39	3.82	
Onsite Total	**8.07**	**34.98**	**65.22**	**0.07**	**87.41**	**13.55**	**193.7**
Offsite Motor Vehicle Exhaust	2.60	13.17	26.44	0.04	1.31	1.12	114.4
Offsite Motor Vehicle Fugitive PM	--	--	--	--	1.15	0.00	
Offsite Total	**2.60**	**13.17**	**26.44**	**0.04**	**2.46**	**1.12**	**114.4**
Total	**10.67**	**48.15**	**91.66**	**0.11**	**89.87**	**14.67**	**308.1**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Dozer	305	1	60	7
Loader	147	2	60	4
Scraper	267	1	60	7
Grader	110	1	60	7
4x4 Backhoe	79	2	60	7
4x4 Tamper	174	1	60	7

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Dozer	305	0.266	1.022	2.391	0.003	0.094	0.087	259.229	0.024	Crawler Tractors
Loader	147	0.131	0.629	1.013	0.001	0.058	0.054	106.315	0.012	Rubber Tired Loaders
Scraper	267	0.333	1.300	3.016	0.003	0.119	0.110	321.429	0.030	Scrapers
Grader	110	0.135	0.536	0.822	0.001	0.074	0.068	74.965	0.012	Graders
4x4 Backhoe	79	0.076	0.356	0.491	0.001	0.043	0.040	51.728	0.007	Tractors/Loaders/Backhoes
4x4 Tamper	174	0.101	0.588	0.860	0.001	0.047	0.043	106.516	0.009	Other Construction Equipment

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Dozer	1.86	7.15	16.74	0.02	0.66	0.61
Loader	1.05	5.03	8.11	0.01	0.47	0.43
Scraper	2.33	9.10	21.11	0.02	0.83	0.77
Grader	0.94	3.75	5.76	0.01	0.52	0.48
4x4 Backhoe	1.06	4.98	6.87	0.01	0.60	0.56
4x4 Tamper	0.71	4.12	6.02	0.01	0.33	0.30
Total	**7.96**	**34.13**	**64.61**	**0.07**	**3.41**	**3.14**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Dozer	49.4	0.0	49.5
Loader	23.1	0.0	23.2
Scraper	61.2	0.0	61.4
Grader	14.3	0.0	14.3
4x4 Backhoe	40.6	0.0	40.7
4x4 Tamper	0.0	0.0	0.0
Total	**188.6**	**0.0**	**189.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Table 8
Substation Construction Emissions
Grading

Motor Vehicle Usage

Vehicle	Number[b]	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
Water Truck	1	60	7	17.5
Crew Vehicle	5	60	7	17.5
Offsite				
Dump Truck	14	60	N/A	60
Worker Commute	10	60	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

[b] Dump trucks based on 8,000 CY hauled offsite over 60 days and 10 CY/truck = 8,000 / 60 / 10 = 13.3

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Water Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Crew Vehicle	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Offsite									
Dump Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Water Truck	0.04	0.18	0.54	0.00	0.03	0.02
Crew Vehicle	0.07	0.67	0.07	0.00	0.01	0.01
Onsite Total	**0.11**	**0.85**	**0.61**	**0.00**	**0.03**	**0.03**
Offsite						
Dump Truck	2.12	8.58	25.98	0.03	1.26	1.09
Worker Commute	0.48	4.59	0.47	0.01	0.05	0.03
Offsite Total	**2.60**	**13.17**	**26.44**	**0.04**	**1.31**	**1.12**
Total	**2.71**	**14.02**	**27.05**	**0.04**	**1.34**	**1.15**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Water Truck	2.0	0.0	2.0
Crew Vehicle	2.6	0.0	2.6
Onsite Total	**4.6**	**0.0**	**4.6**
Offsite			
Dump Truck	96.4	0.0	96.4
Worker Commute	18.0	0.0	18.0
Offsite Total	**114.4**	**0.0**	**114.4**
Total	**119.0**	**0.0**	**119.1**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Water Truck	1	Unpaved	17.5	0.965	0.097	16.89	1.69
Crew Vehicle	5	Unpaved	17.5	0.556	0.056	48.69	4.87
Onsite Total						**65.58**	**6.56**
Offsite							
Dump Truck	14	Paved	60	0.001	0.000	0.67	0.00
Worker Commute	10	Paved	60	0.001	0.000	0.48	0.00
Offsite Total						**1.15**	**0.00**
Total						**66.73**	**6.56**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Table 8
Substation Construction Emissions
Grading

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling[c]	CY/day	2,300	9.94E-04	2.07E-04	2.29	0.48
Bulldozing, Scraping and Grading	hr/day	21	0.348	0.072	7.30	1.52
Storage Pile Wind Erosion[d]	acres	0.4	22.0	4.58	8.80	1.83
Total					**18.39**	**3.82**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

[c] Peak daily estimated from total of 133,000 CY over 60 days

[d] Based on 1,000 CY in each of two cones 9 ft. tall x 100 ft. diameter

Table 9
Substation Construction Emissions
Fencing

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.39	2.22	2.83	0.00	0.23	0.21	2.3
Onsite Motor Vehicle Exhaust	0.05	0.35	0.39	0.00	0.01	0.01	0.4
Onsite Motor Vehicle Fugitive PM	--	--	--	--	15.59	1.56	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.44**	**2.56**	**3.22**	**0.00**	**15.83**	**1.78**	**2.8**
Offsite Motor Vehicle Exhaust	0.48	4.59	0.47	0.01	0.05	0.03	4.5
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.48	0.00	
Offsite Total	**0.48**	**4.59**	**0.47**	**0.01**	**0.53**	**0.03**	**4.5**
Total	**0.91**	**7.16**	**3.68**	**0.01**	**16.36**	**1.82**	**7.3**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Bobcat	75	1	15	8

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Bobcat	75	0.048	0.277	0.354	0.001	0.029	0.026	42.762	0.004	Skid Steer Loaders

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Bobcat	0.39	2.22	2.83	0.00	0.23	0.21
Total	**0.39**	**2.22**	**2.83**	**0.00**	**0.23**	**0.21**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Bobcat	2.3	0.0	2.3
Total	**2.3**	**0.0**	**2.3**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
Flatbed Truck	1	15	3	7.5
Crewcab Truck	3	15	2	5
Offsite				
Worker Commute	10	15	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Flatbed Truck	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Crewcab Truck	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Offsite									
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 9
Substation Construction Emissions
Fencing

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Flatbed Truck	0.02	0.12	0.13	0.00	0.00	0.00
Crewcab Truck	0.03	0.23	0.26	0.00	0.01	0.01
Onsite Total	**0.05**	**0.35**	**0.39**	**0.00**	**0.01**	**0.01**
Offsite						
Worker Commute	0.48	4.59	0.47	0.01	0.05	0.03
Offsite Total	**0.48**	**4.59**	**0.47**	**0.01**	**0.05**	**0.03**
Total	**0.53**	**4.94**	**0.86**	**0.01**	**0.07**	**0.05**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Flatbed Truck	0.1	0.0	0.1
Crewcab Truck	0.3	0.0	0.3
Onsite Total	**0.4**	**0.0**	**0.4**
Offsite			
Worker Commute	4.5	0.0	4.5
Offsite Total	**4.5**	**0.0**	**4.5**
Total	**4.9**	**0.0**	**4.9**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Flatbed Truck	1	Unpaved	7.5	0.965	0.097	7.24	0.72
Crewcab Truck	3	Unpaved	5	0.556	0.056	8.35	0.83
Onsite Total						**15.59**	**1.56**
Offsite							
Worker Commute	10	Paved	60	0.001	0.000	0.48	0.00
Offsite Total						**0.48**	**0.00**
Total						**16.07**	**1.56**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 10
Substation Construction Emissions
Civil

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	4.21	24.08	31.38	0.04	2.30	2.12	155.8
Onsite Motor Vehicle Exhaust	0.06	0.23	0.70	0.00	0.03	0.03	3.9
Onsite Motor Vehicle Fugitive PM	--	--	--	--	21.72	2.17	
Earthwork Fugitive PM	--	--	--	--	0.14	0.03	
Onsite Total	**4.26**	**24.31**	**32.07**	**0.04**	**24.19**	**4.34**	**159.7**
Offsite Motor Vehicle Exhaust	2.84	15.47	26.67	0.04	1.34	1.14	185.2
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.72	0.00	
Offsite Total	**2.84**	**15.47**	**26.67**	**0.04**	**2.06**	**1.14**	**185.2**
Total	**7.10**	**39.78**	**58.75**	**0.09**	**26.25**	**5.48**	**344.8**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Excavator	152	2	90	4
Foundation Auger	79	2	90	7
Backhoe	79	3	90	6
Skip Loader	75	2	90	3
Bobcat Skid Steer	75	2	90	4
Forklift	83	1	90	4
17-Ton Crane	125	1	90	2

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Excavator	152	0.129	0.668	0.961	0.001	0.057	0.052	112.222	0.012	Excavators
Foundation Auger	79	0.051	0.472	0.503	0.001	0.033	0.030	77.122	0.005	Bore/Drill Rigs
Backhoe	79	0.076	0.356	0.491	0.001	0.043	0.040	51.728	0.007	Tractors/Loaders/Backhoes
Skip Loader	75	0.048	0.277	0.354	0.001	0.029	0.026	42.762	0.004	Skid Steer Loaders
Bobcat Skid Steer	75	0.048	0.277	0.354	0.001	0.029	0.026	42.762	0.004	Skid Steer Loaders
Forklift	83	0.049	0.220	0.302	0.000	0.028	0.025	31.225	0.004	Forklifts
17-Ton Crane	125	0.109	0.484	0.826	0.001	0.048	0.044	80.345	0.010	Cranes

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Excavator	1.03	5.34	7.69	0.01	0.46	0.42
Foundation Auger	0.72	6.61	7.04	0.01	0.46	0.42
Backhoe	1.37	6.40	8.84	0.01	0.78	0.72
Skip Loader	0.29	1.66	2.12	0.00	0.17	0.16
Bobcat Skid Steer	0.39	2.22	2.83	0.00	0.23	0.21
Forklift	0.20	0.88	1.21	0.00	0.11	0.10
17-Ton Crane	0.22	0.97	1.65	0.00	0.10	0.09
Total	**4.21**	**24.08**	**31.38**	**0.04**	**2.30**	**2.12**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Excavator	36.7	0.0	36.7
Foundation Auger	44.1	0.0	44.1
Backhoe	38.0	0.0	38.1
Skip Loader	10.5	0.0	10.5
Bobcat Skid Steer	26.2	0.0	26.3
Forklift	0.0	0.0	0.0
17-Ton Crane	0.0	0.0	0.0
Total	**155.5**	**0.0**	**155.8**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Table 10
Substation Construction Emissions
Civil

Motor Vehicle Usage

Vehicle	Number[b]	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
Dump Truck	2	90	2	5
Water Truck	1	90	5	12.5
Offsite				
Concrete Truck	14	90	N/A	60
Worker Commute	15	90	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

[b] Concrete trucks based on 12,150 CY over 90 days and 10 CY/truck = 12,150 / 90 / 10 = 13.5

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Dump Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Water Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Offsite									
Concrete Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Dump Truck	0.03	0.10	0.31	0.00	0.01	0.01
Water Truck	0.03	0.13	0.39	0.00	0.02	0.02
Onsite Total	**0.06**	**0.23**	**0.70**	**0.00**	**0.03**	**0.03**
Offsite						
Concrete Truck	2.12	8.58	25.98	0.03	1.26	1.09
Worker Commute	0.72	6.89	0.70	0.01	0.08	0.05
Offsite Total	**2.84**	**15.47**	**26.67**	**0.04**	**1.34**	**1.14**
Total	**2.90**	**15.70**	**27.37**	**0.04**	**1.37**	**1.17**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Dump Truck	1.7	0.0	1.7
Water Truck	2.2	0.0	2.2
Onsite Total	**3.9**	**0.0**	**3.9**
Offsite			
Concrete Truck	144.6	0.0	144.7
Worker Commute	40.5	0.0	40.5
Offsite Total	**185.0**	**0.0**	**185.2**
Total	**188.9**	**0.0**	**189.1**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Dump Truck	2	Unpaved	5	0.965	0.097	9.65	0.97
Water Truck	1	Unpaved	12.5	0.965	0.097	12.06	1.21
Onsite Total						**21.72**	**2.17**
Offsite							
Concrete Truck	14	Paved	60	0.001	0.000	0.67	0.00
Worker Commute	15	Paved	60	0.001	0.000	0.72	0.00
Offsite Total						**0.72**	**0.00**
Total						**22.44**	**2.17**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Table 10
Substation Construction Emissions
Civil

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling[c]	CY/day	140	9.94E-04	2.07E-04	0.14	0.03
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.14**	**0.03**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

[c] Peak daily estimated from total of 12,000 CY over 90 days

Table 11
Substation Construction Emissions
Control Building

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Exhaust	0.03	0.23	0.26	0.00	0.01	0.01	0.4
Onsite Motor Vehicle Fugitive PM	--	--	--	--	14.48	1.45	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.03**	**0.23**	**0.26**	**0.00**	**14.49**	**1.46**	**0.4**
Offsite Motor Vehicle Exhaust	0.29	2.76	0.28	0.00	0.03	0.02	3.6
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.29	0.00	
Offsite Total	**0.29**	**2.76**	**0.28**	**0.00**	**0.32**	**0.02**	**3.6**
Total	**0.32**	**2.99**	**0.54**	**0.00**	**14.81**	**1.48**	**4.0**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
None				

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
None		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
None	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
None	0.0	0.0	0.0
Total	**0.0**	**0.0**	**0.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
Carry-all Truck	2	20	2	5
Stake Truck	1	20	2	5
Offsite				
Worker Commute	6	20	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Carry-all Truck	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Stake Truck	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Offsite									
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 11
Substation Construction Emissions
Control Building

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Carry-all Truck	0.02	0.15	0.17	0.00	0.01	0.01
Stake Truck	0.01	0.08	0.09	0.00	0.00	0.00
Onsite Total	**0.03**	**0.23**	**0.26**	**0.00**	**0.01**	**0.01**
Offsite						
Worker Commute	0.29	2.76	0.28	0.00	0.03	0.02
Offsite Total	**0.29**	**2.76**	**0.28**	**0.00**	**0.03**	**0.02**
Total	**0.32**	**2.99**	**0.54**	**0.00**	**0.04**	**0.03**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Carry-all Truck	0.3	0.0	0.3
Stake Truck	0.1	0.0	0.1
Onsite Total	**0.4**	**0.0**	**0.4**
Offsite			
Worker Commute	3.6	0.0	3.6
Offsite Total	**3.6**	**0.0**	**3.6**
Total	**4.0**	**0.0**	**4.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Carry-all Truck	2	Unpaved	5	0.965	0.097	9.65	0.97
Stake Truck	1	Unpaved	5	0.965	0.097	4.83	0.48
Onsite Total						**14.48**	**1.45**
Offsite							
Worker Commute	6	Paved	60	0.001	0.000	0.29	0.00
Offsite Total						**0.29**	**0.00**
Total						**14.77**	**1.45**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 12
Substation Construction Emissions
Electrical

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	2.79	10.36	15.64	0.02	1.19	1.09	206.7
Onsite Motor Vehicle Exhaust	0.02	0.23	0.02	0.00	0.00	0.00	4.5
Onsite Motor Vehicle Fugitive PM	--	--	--	--	16.69	1.67	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**2.81**	**10.59**	**15.66**	**0.02**	**17.89**	**2.77**	**211.2**
Offsite Motor Vehicle Exhaust	0.72	6.89	0.70	0.01	0.08	0.05	135.1
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.72	0.00	
Offsite Total	**0.72**	**6.89**	**0.70**	**0.01**	**0.80**	**0.05**	**135.1**
Total	**3.53**	**17.48**	**16.36**	**0.03**	**18.69**	**2.82**	**346.3**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Scissor Lift	87	2	300	5
Manlift	43	2	300	7
Reach Manlift	87	2	300	6
15-Ton Crane	125	1	300	5

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Scissor Lift	87	0.061	0.245	0.401	0.000	0.032	0.030	38.072	0.005	Aerial Lifts
Manlift	43	0.065	0.182	0.192	0.000	0.017	0.016	19.613	0.006	Aerial Lifts
Reach Manlift	87	0.061	0.245	0.401	0.000	0.032	0.030	38.072	0.005	Aerial Lifts
15-Ton Crane	125	0.109	0.484	0.826	0.001	0.048	0.044	80.345	0.010	Cranes

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Scissor Lift	0.61	2.45	4.01	0.00	0.32	0.30
Manlift	0.91	2.55	2.68	0.00	0.24	0.22
Reach Manlift	0.73	2.94	4.81	0.01	0.39	0.36
15-Ton Crane	0.54	2.42	4.13	0.00	0.24	0.22
Total	**2.79**	**10.36**	**15.64**	**0.02**	**1.19**	**1.09**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Scissor Lift	51.8	0.0	52.0
Manlift	37.4	0.0	37.6
Reach Manlift	62.2	0.0	62.4
15-Ton Crane	54.7	0.0	54.8
Total	**206.0**	**0.0**	**206.7**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
Crew Truck	6	300	2	5
Offsite				
Worker Commute	15	300	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Table 12
Substation Construction Emissions
Electrical

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Crew Truck	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Offsite									
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Crew Truck	0.02	0.23	0.02	0.00	0.00	0.00
Onsite Total	**0.02**	**0.23**	**0.02**	**0.00**	**0.00**	**0.00**
Offsite						
Worker Commute	0.72	6.89	0.70	0.01	0.08	0.05
Offsite Total	**0.72**	**6.89**	**0.70**	**0.01**	**0.08**	**0.05**
Total	**0.74**	**7.12**	**0.72**	**0.01**	**0.08**	**0.05**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Crew Truck	4.5	0.0	4.5
Onsite Total	**4.5**	**0.0**	**4.5**
Offsite			
Worker Commute	134.9	0.0	135.1
Offsite Total	**134.9**	**0.0**	**135.1**
Total	**139.4**	**0.0**	**139.6**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Crew Truck	6	Unpaved	5	0.556	0.056	16.69	1.67
Onsite Total						**16.69**	**1.67**
Offsite							
Worker Commute	15	Paved	60	0.001	0.000	0.72	0.00
Offsite Total						**0.72**	**0.00**
Total						**17.41**	**1.67**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 13
Substation Construction Emissions
Wiring

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.26	0.73	0.77	0.00	0.07	0.06	9.0
Onsite Motor Vehicle Exhaust	0.02	0.15	0.02	0.00	0.00	0.00	2.5
Onsite Motor Vehicle Fugitive PM	--	--	--	--	11.13	1.11	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.28**	**0.88**	**0.78**	**0.00**	**11.20**	**1.18**	**11.5**
Offsite Motor Vehicle Exhaust	0.38	3.67	0.37	0.01	0.04	0.03	60.0
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.38	0.00	
Offsite Total	**0.38**	**3.67**	**0.37**	**0.01**	**0.43**	**0.03**	**60.0**
Total	**0.66**	**4.56**	**1.15**	**0.01**	**11.63**	**1.20**	**71.5**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Manlift	43	1	250	4

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Manlift	43	0.065	0.182	0.192	0.000	0.017	0.016	19.613	0.006	Aerial Lifts

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Manlift	0.26	0.73	0.77	0.00	0.07	0.06
Total	**0.26**	**0.73**	**0.77**	**0.00**	**0.07**	**0.06**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Manlift	8.9	0.0	9.0
Total	**8.9**	**0.0**	**9.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
Crew Truck	4	250	2	5
Offsite				
Worker Commute	8	250	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Crew Truck	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Offsite									
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 13
Substation Construction Emissions
Wiring

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Crew Truck	0.02	0.15	0.02	0.00	0.00	0.00
Onsite Total	**0.02**	**0.15**	**0.02**	**0.00**	**0.00**	**0.00**
Offsite						
Worker Commute	0.38	3.67	0.37	0.01	0.04	0.03
Offsite Total	**0.38**	**3.67**	**0.37**	**0.01**	**0.04**	**0.03**
Total	**0.40**	**3.83**	**0.39**	**0.01**	**0.04**	**0.03**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Crew Truck	2.5	0.0	2.5
Onsite Total	**2.5**	**0.0**	**2.5**
Offsite			
Worker Commute	60.0	0.0	60.0
Offsite Total	**60.0**	**0.0**	**60.0**
Total	**62.5**	**0.0**	**62.5**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Crew Truck	4	Unpaved	5	0.556	0.056	11.13	1.11
Onsite Total						**11.13**	**1.11**
Offsite							
Worker Commute	8	Paved	60	0.001	0.000	0.38	0.00
Offsite Total						**0.38**	**0.00**
Total						**11.51**	**1.11**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 14
Substation Construction Emissions
Transformers

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.95	4.22	6.77	0.01	0.45	0.42	27.4
Onsite Motor Vehicle Exhaust	0.04	0.26	0.32	0.00	0.02	0.01	2.6
Onsite Motor Vehicle Fugitive PM	--	--	--	--	20.78	2.08	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.99**	**4.48**	**7.09**	**0.01**	**21.25**	**2.51**	**30.0**
Offsite Motor Vehicle Exhaust	0.48	4.59	0.47	0.01	0.05	0.03	27.0
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.48	0.00	
Offsite Total	**0.48**	**4.59**	**0.47**	**0.01**	**0.53**	**0.03**	**27.0**
Total	**1.47**	**9.07**	**7.56**	**0.01**	**21.79**	**2.54**	**57.0**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Crane	125	1	90	6
Forklift	83	1	90	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Crane	125	0.109	0.484	0.826	0.001	0.048	0.044	80.345	0.010	Cranes
Forklift	83	0.049	0.220	0.302	0.000	0.028	0.025	31.225	0.004	Forklifts

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Crane	0.65	2.90	4.96	0.01	0.29	0.26
Forklift	0.29	1.32	1.81	0.00	0.17	0.15
Total	**0.95**	**4.22**	**6.77**	**0.01**	**0.45**	**0.42**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Crane	19.7	0.0	19.7
Forklift	7.6	0.0	7.7
Total	**27.3**	**0.0**	**27.4**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
Crew Truck	4	90	2	5
Low Bed Truck	1	90	4	10
Offsite				
Worker Commute	10	90	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Crew Truck	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Low Bed Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Offsite									
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 14
Substation Construction Emissions
Transformers

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Crew Truck	0.02	0.15	0.02	0.00	0.00	0.00
Low Bed Truck	0.03	0.10	0.31	0.00	0.01	0.01
Onsite Total	**0.04**	**0.26**	**0.32**	**0.00**	**0.02**	**0.01**
Offsite						
Worker Commute	0.48	4.59	0.47	0.01	0.05	0.03
Offsite Total	**0.48**	**4.59**	**0.47**	**0.01**	**0.05**	**0.03**
Total	**0.52**	**4.85**	**0.79**	**0.01**	**0.07**	**0.05**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Crew Truck	0.9	0.0	0.9
Low Bed Truck	1.7	0.0	1.7
Onsite Total	**2.6**	**0.0**	**2.6**
Offsite			
Worker Commute	27.0	0.0	27.0
Offsite Total	**27.0**	**0.0**	**27.0**
Total	**29.6**	**0.0**	**29.6**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Crew Truck	4	Unpaved	5	0.556	0.056	11.13	1.11
Low Bed Truck	1	Unpaved	10	0.965	0.097	9.65	0.97
Onsite Total						**20.78**	**2.08**
Offsite							
Worker Commute	10	Paved	60	0.001	0.000	0.48	0.00
Offsite Total						**0.48**	**0.00**
Total						**21.26**	**2.08**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 15
Substation Construction Emissions
Maintenance Crew Equipment Check

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Exhaust	0.04	0.31	0.35	0.00	0.01	0.01	1.5
Onsite Motor Vehicle Fugitive PM	--	--	--	--	15.20	1.52	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.04**	**0.31**	**0.35**	**0.00**	**15.22**	**1.53**	**1.5**
Offsite Motor Vehicle Exhaust	0.19	1.84	0.19	0.00	0.02	0.01	7.2
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.19	0.00	
Offsite Total	**0.19**	**1.84**	**0.19**	**0.00**	**0.21**	**0.01**	**7.2**
Total	**0.24**	**2.15**	**0.53**	**0.00**	**15.43**	**1.55**	**8.7**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
None				

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
None										

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
None	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
None	0.0	0.0	0.0
Total	**0.0**	**0.0**	**0.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
Maintenance Truck	2	60	4	10
Offsite				
Worker Commute	4	60	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Maintenance Truck	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Offsite									
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 15
Substation Construction Emissions
Maintenance Crew Equipment Check

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Maintenance Truck	0.04	0.31	0.35	0.00	0.01	0.01
Onsite Total	**0.04**	**0.31**	**0.35**	**0.00**	**0.01**	**0.01**
Offsite						
Worker Commute	0.19	1.84	0.19	0.00	0.02	0.01
Offsite Total	**0.19**	**1.84**	**0.19**	**0.00**	**0.02**	**0.01**
Total	**0.24**	**2.15**	**0.53**	**0.00**	**0.03**	**0.02**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Maintenance Truck	1.5	0.0	1.5
Onsite Total	**1.5**	**0.0**	**1.5**
Offsite			
Worker Commute	7.2	0.0	7.2
Offsite Total	**7.2**	**0.0**	**7.2**
Total	**8.7**	**0.0**	**8.7**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Maintenance Truck	2	Unpaved	10	0.760	0.076	15.20	1.52
Onsite Total						**15.20**	**1.52**
Offsite							
Worker Commute	4	Paved	60	0.001	0.000	0.19	0.00
Offsite Total						**0.19**	**0.00**
Total						**15.39**	**1.52**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 16
Substation Construction Emissions
Testing

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Exhaust	0.01	0.11	0.01	0.00	0.00	0.00	1.5
Onsite Motor Vehicle Fugitive PM	--	--	--	--	8.35	0.83	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.01**	**0.11**	**0.01**	**0.00**	**8.35**	**0.84**	**1.5**
Offsite Motor Vehicle Exhaust	0.19	1.84	0.19	0.00	0.02	0.01	24.0
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.19	0.00	
Offsite Total	**0.19**	**1.84**	**0.19**	**0.00**	**0.21**	**0.01**	**24.0**
Total	**0.20**	**1.95**	**0.20**	**0.00**	**8.56**	**0.85**	**25.5**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
None				

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
None										

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
None	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
None	0.0	0.0	0.0
Total	**0.0**	**0.0**	**0.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
Crew Truck	2	200	3	7.5
Offsite				
Worker Commute	4	200	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Crew Truck	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Offsite									
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 16
Substation Construction Emissions
Testing

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Crew Truck	0.01	0.11	0.01	0.00	0.00	0.00
Onsite Total	**0.01**	**0.11**	**0.01**	**0.00**	**0.00**	**0.00**
Offsite						
Worker Commute	0.19	1.84	0.19	0.00	0.02	0.01
Offsite Total	**0.19**	**1.84**	**0.19**	**0.00**	**0.02**	**0.01**
Total	**0.20**	**1.95**	**0.20**	**0.00**	**0.02**	**0.01**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Crew Truck	1.5	0.0	1.5
Onsite Total	**1.5**	**0.0**	**1.5**
Offsite			
Worker Commute	24.0	0.0	24.0
Offsite Total	**24.0**	**0.0**	**24.0**
Total	**25.5**	**0.0**	**25.5**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Crew Truck	2	Unpaved	7.5	0.556	0.056	8.35	0.83
Onsite Total						**8.35**	**0.83**
Offsite							
Worker Commute	4	Paved	60	0.001	0.000	0.19	0.00
Offsite Total						**0.19**	**0.00**
Total						**8.54**	**0.83**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 17
Substation Construction Emissions
Asphalting

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	2.30	7.46	9.63	0.01	0.70	0.65	12.1
Onsite Motor Vehicle Exhaust	0.05	0.26	0.55	0.00	0.03	0.02	1.2
Onsite Motor Vehicle Fugitive PM	--	--	--	--	22.45	2.25	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Asphaltic Paving VOC	0.6	--	--	--	--	--	--
Onsite Total	**2.98**	**7.71**	**10.18**	**0.01**	**23.18**	**2.91**	**13.2**
Offsite Motor Vehicle Exhaust	2.45	12.56	24.59	0.04	1.22	1.04	53.8
Offsite Motor Vehicle Fugitive PM	--	--	--	--	1.11	0.00	
Offsite Total	**2.45**	**12.56**	**24.59**	**0.04**	**2.33**	**1.04**	**53.8**
Total	**5.43**	**20.27**	**34.76**	**0.05**	**25.51**	**3.96**	**67.0**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Paving Roller	46	2	30	4
Asphalt Paver	152	1	30	4
Tractor	45	1	30	3
Asphalt Curb Machine	35	1	30	3

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Paving Roller	46	0.110	0.299	0.268	0.000	0.026	0.024	25.983	0.010	Rollers
Asphalt Paver	152	0.186	0.783	1.449	0.001	0.082	0.075	128.285	0.017	Pavers
Tractor	45	0.101	0.330	0.303	0.000	0.027	0.025	30.347	0.009	Tractors/Loaders/Backhoes
Asphalt Curb Machine	35	0.124	0.312	0.259	0.000	0.028	0.026	23.927	0.011	Paving Equipment

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Paving Roller	0.88	2.40	2.14	0.00	0.21	0.19
Asphalt Paver	0.75	3.13	5.80	0.01	0.33	0.30
Tractor	0.30	0.99	0.91	0.00	0.08	0.07
Asphalt Curb Machine	0.37	0.94	0.78	0.00	0.08	0.08
Total	**2.30**	**7.46**	**9.63**	**0.01**	**0.70**	**0.65**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Paving Roller	2.8	0.0	2.9
Asphalt Paver	7.0	0.0	7.0
Tractor	1.2	0.0	1.2
Asphalt Curb Machine	1.0	0.0	1.0
Total	**12.0**	**0.0**	**12.1**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number[b]	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
Stake Truck	1	30	4	10
Dump Truck	1	30	3	7.5
Crew Truck	2	30	2	5
Offsite				
Asphalt Delivery Truck	13	30	N/A	60
Worker Commute	10	30	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

[b] Asphalt delivery trucks based on 3,900 CY over 30 days and 10 CY/truck = 3,900 / 30 / 10 = 13

Table 17
Substation Construction Emissions
Asphalting

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Stake Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Dump Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Crew Truck	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Offsite									
Asphalt Delivery Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Stake Truck	0.03	0.10	0.31	0.00	0.01	0.01
Dump Truck	0.02	0.08	0.23	0.00	0.01	0.01
Crew Truck	0.01	0.08	0.01	0.00	0.00	0.00
Onsite Total	**0.05**	**0.26**	**0.55**	**0.00**	**0.03**	**0.02**
Offsite						
Asphalt Delivery Truck	1.97	7.97	24.12	0.03	1.17	1.01
Worker Commute	0.48	4.59	0.47	0.01	0.05	0.03
Offsite Total	**2.45**	**12.56**	**24.59**	**0.04**	**1.22**	**1.04**
Total	**2.50**	**12.82**	**25.13**	**0.04**	**1.25**	**1.07**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Stake Truck	0.6	0.0	0.6
Dump Truck	0.4	0.0	0.4
Crew Truck	0.1	0.0	0.2
Onsite Total	**1.2**	**0.0**	**1.2**
Offsite			
Asphalt Delivery Truck	44.7	0.0	44.8
Worker Commute	9.0	0.0	9.0
Offsite Total	**53.7**	**0.0**	**53.8**
Total	**54.9**	**0.0**	**54.9**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Stake Truck	1	Unpaved	10	0.965	0.097	9.65	0.97
Dump Truck	1	Unpaved	7.5	0.965	0.097	7.24	0.72
Crew Truck	2	Unpaved	5	0.556	0.056	5.56	0.56
Onsite Total						**22.45**	**2.25**
Offsite							
Asphalt Delivery Truck	13	Paved	60	0.001	0.000	0.62	0.00
Worker Commute	10	Paved	60	0.001	0.000	0.48	0.00
Offsite Total						**1.11**	**0.00**
Total						**23.56**	**2.25**

a From Table 52
[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53
[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Asphaltic Paving VOC Emissions

Area Paved (acre/day)[a]	Emission Factor (lb/acre)[b]	VOC (lb/day)[c]
0.24	2.62	0.6

[a] Assumed twice daily average for 156,000 ft^2 total in 30 days:
2 x 156,000 ft^2 / 30 days / 43,560 ft^2 per acre = 0.24 acres
[b] From URBEMISS 2007 User's Guide, Appendix A,
http://www.urbemis.com/software/download.html
[c] Emissions [lb/day] = Emission factor [lb/acre] x Area paved [acre/day]

Table 18
Substation Construction Emissions
Landscaping

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.90	3.19	3.33	0.00	0.30	0.27	6.9
Onsite Motor Vehicle Exhaust	0.03	0.23	0.25	0.00	0.01	0.01	1.1
Onsite Motor Vehicle Fugitive PM	--	--	--	--	18.37	1.84	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.93**	**3.42**	**3.58**	**0.00**	**18.68**	**2.12**	**8.0**
Offsite Motor Vehicle Exhaust	4.12	19.30	45.00	0.06	2.21	1.90	137.5
Offsite Motor Vehicle Fugitive PM	--	--	--	--	1.63	0.00	
Offsite Total	**4.12**	**19.30**	**45.00**	**0.06**	**3.84**	**1.90**	**137.5**
Total	**5.05**	**22.72**	**48.57**	**0.07**	**22.52**	**4.02**	**145.5**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Tractor	45	1	45	7
Forklift	83	1	45	4

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Tractor	45	0.101	0.330	0.303	0.000	0.027	0.025	30.347	0.009	Tractors/Loaders/Backhoes
Forklift	83	0.049	0.220	0.302	0.000	0.028	0.025	31.225	0.004	Forklifts

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Tractor	0.70	2.31	2.12	0.00	0.19	0.17
Forklift	0.20	0.88	1.21	0.00	0.11	0.10
Total	**0.90**	**3.19**	**3.33**	**0.00**	**0.30**	**0.27**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Tractor	4.3	0.0	4.4
Forklift	2.5	0.0	2.6
Total	**6.9**	**0.0**	**6.9**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number[b]	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
Dump Truck	1	45	3	7.5
Crew Truck	4	45	2	5
Offsite				
Crushed Rock Delivery Truck	24	45	N/A	60
Worker Commute	10	45	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

[b] Crushed rock delivery trucks based on 10,800 CY over 45 days and 10 CY/truck = 10,800 / 45 / 10 = 24

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Dump Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Crew Truck	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Offsite									
Crushed Rock Delivery Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 18
Substation Construction Emissions
Landscaping

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Dump Truck	0.02	0.08	0.23	0.00	0.01	0.01
Crew Truck	0.02	0.15	0.02	0.00	0.00	0.00
Onsite Total	**0.03**	**0.23**	**0.25**	**0.00**	**0.01**	**0.01**
Offsite						
Crushed Rock Delivery Truck	3.64	14.71	44.53	0.06	2.15	1.86
Worker Commute	0.48	4.59	0.47	0.01	0.05	0.03
Offsite Total	**4.12**	**19.30**	**45.00**	**0.06**	**2.21**	**1.90**
Total	**4.15**	**19.53**	**45.24**	**0.07**	**2.22**	**1.91**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Dump Truck	0.6	0.0	0.6
Crew Truck	0.4	0.0	0.5
Onsite Total	**1.1**	**0.0**	**1.1**
Offsite			
Crushed Rock Delivery Truck	123.9	0.0	124.0
Worker Commute	13.5	0.0	13.5
Offsite Total	**137.4**	**0.0**	**137.5**
Total	**138.5**	**0.0**	**138.6**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Dump Truck	1	Unpaved	7.5	0.965	0.097	7.24	0.72
Crew Truck	4	Unpaved	5	0.556	0.056	11.13	1.11
Onsite Total						**18.37**	**1.84**
Offsite							
Crushed Rock Delivery Truck	24	Paved	60	0.001	0.000	1.15	0.00
Worker Commute	10	Paved	60	0.001	0.000	0.48	0.00
Offsite Total						**1.63**	**0.00**
Total						**20.00**	**1.84**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 19
500 kV Transmission Line Construction Emissions Survey

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.0**
Offsite Motor Vehicle Exhaust	0.21	1.99	0.20	0.00	0.02	0.01	0.4
Offsite Motor Vehicle Fugitive PM	--	--	--	--	9.30	0.91	
Offsite Total	**0.21**	**1.99**	**0.20**	**0.00**	**9.32**	**0.93**	**0.4**
Total	**0.21**	**1.99**	**0.20**	**0.00**	**9.32**	**0.93**	**0.4**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
None				

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
None		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
None	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
None	0.0	0.0	0.0
Total	**0.0**	**0.0**	**0.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
1/2-Ton Pick-up Truck, 4x4	2	3	N/A	10
Worker Commute	4	3	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
1/2-Ton Pick-up Truck, 4x4	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 19
500 kV Transmission Line Construction Emissions
Survey

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
1/2-Ton Pick-up Truck, 4x4	0.02	0.15	0.02	0.00	0.00	0.00
Worker Commute	0.19	1.84	0.19	0.00	0.02	0.01
Offsite Total	**0.21**	**1.99**	**0.20**	**0.00**	**0.02**	**0.01**
Total	**0.21**	**1.99**	**0.20**	**0.00**	**0.02**	**0.01**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
1/2-Ton Pick-up Truck, 4x4	0.0	0.0	0.0
Worker Commute	0.4	0.0	0.4
Offsite Total	**0.4**	**0.0**	**0.4**
Total	**0.4**	**0.0**	**0.4**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None							
Onsite Total						**0.00**	**0.00**
Offsite							
1/2-Ton Pick-up Truck, 4x4	2	Unpaved	10	0.455	0.046	9.10	0.91
Worker Commute	4	Paved	60	0.001	0.000	0.19	0.00
Offsite Total						**9.30**	**0.91**
Total						**9.30**	**0.91**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 20
500 kV Transmission Line Construction Emissions
Marshalling Yard

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.62	1.96	6.00	0.01	0.21	0.19	35.6
Onsite Motor Vehicle Exhaust	0.02	0.10	0.16	0.00	0.01	0.01	1.2
Onsite Motor Vehicle Fugitive PM	--	--	--	--	5.20	0.52	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.64**	**2.06**	**6.17**	**0.01**	**5.41**	**0.72**	**36.7**
Offsite Motor Vehicle Exhaust	0.19	1.84	0.19	0.00	0.02	0.01	12.6
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.19	0.00	
Offsite Total	**0.19**	**1.84**	**0.19**	**0.00**	**0.21**	**0.01**	**12.6**
Total	**0.83**	**3.90**	**6.35**	**0.01**	**5.62**	**0.73**	**49.3**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
30-Ton Crane Truck	300	1	105	2
10,000 lb Rough Terrain Forklift	200	1	105	5

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
30-Ton Crane Truck	300	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes
10,000 lb Rough Terrain Forklift	200	0.059	0.164	0.587	0.001	0.019	0.017	77.122	0.005	Forklifts

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
30-Ton Crane Truck	0.33	1.14	3.07	0.00	0.11	0.11
10,000 lb Rough Terrain Forklift	0.30	0.82	2.94	0.00	0.09	0.09
Total	**0.62**	**1.96**	**6.00**	**0.01**	**0.21**	**0.19**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
30-Ton Crane Truck	17.2	0.0	17.2
10,000 lb Rough Terrain Forklift	18.4	0.0	18.4
Total	**35.5**	**0.0**	**35.6**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number[b]	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
1-Ton Crew Cab, 4x4	1	105	2	5
Truck, Semi Tractor	1	105	1	2.5
Offsite				
Worker Commute	4	105	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

[b] Dump trucks based on 8,000 CY hauled offsite over 60 days and 10 CY/truck = 8,000 / 60 / 10 = 13.3

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
1-Ton Crew Cab, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Truck, Semi Tractor	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Offsite									
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 20
500 kV Transmission Line Construction Emissions
Marshalling Yard

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
1-Ton Crew Cab, 4x4	0.01	0.08	0.09	0.00	0.00	0.00
Truck, Semi Tractor	0.01	0.03	0.08	0.00	0.00	0.00
Onsite Total	**0.02**	**0.10**	**0.16**	**0.00**	**0.01**	**0.01**
Offsite						
Worker Commute	0.19	1.84	0.19	0.00	0.02	0.01
Offsite Total	**0.19**	**1.84**	**0.19**	**0.00**	**0.02**	**0.01**
Total	**0.21**	**1.94**	**0.35**	**0.00**	**0.03**	**0.02**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
1-Ton Crew Cab, 4x4	0.7	0.0	0.7
Truck, Semi Tractor	0.5	0.0	0.5
Onsite Total	**1.2**	**0.0**	**1.2**
Offsite			
Worker Commute	12.6	0.0	12.6
Offsite Total	**12.6**	**0.0**	**12.6**
Total	**13.8**	**0.0**	**13.8**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
1-Ton Crew Cab, 4x4	1	Unpaved	5	0.556	0.056	2.78	0.28
Truck, Semi Tractor	1	Unpaved	2.5	0.965	0.097	2.41	0.24
Onsite Total						**5.20**	**0.52**
Offsite							
Worker Commute	4	Paved	60	0.001	0.000	0.19	0.00
Offsite Total						**0.19**	**0.00**
Total						**5.39**	**0.52**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 2.1
500 kV Transmission Line Construction Emissions
Roads and Landing Work

Emissions Summary:

Source	VOC (lb/day)*	CO (lb/day)*	NOX (lb/day)*	SOX (lb/day)*	PM10 (lb/day)*	PM2.5 (lb/day)*	CO2e (MT)
Construction Equipment Exhaust	5.43	18.34	50.51	0.07	1.85	1.70	29.6
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	—	—	—	—	0.00	0.00	
Earthwork Fugitive PM	—	—	—	—	5.46	1.14	
Onsite Total	5.43	18.34	50.51	0.07	7.31	2.84	29.6
Offsite Motor Vehicle Exhaust	0.30	2.60	0.87	0.00	0.06	0.04	2.1
Offsite Motor Vehicle Fugitive PM	—	—	—	—	20.28	2.00	
Offsite Total	0.30	2.60	0.87	0.00	20.34	2.05	2.1
Total	5.73	20.95	51.38	0.07	27.65	4.88	31.6

Construction Equipment Summary:

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Road Grader	350	1	11	4
Backhoe/Front Loader	350	1	11	6
Drum Type Compactor	250	1	11	4
Track Type Dozer	350	1	11	6
Excavator	300	1	6	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)*	CO (lb/hr)*	NOX (lb/hr)*	SOX (lb/hr)*	PM10 (lb/hr)*	PM2.5 (lb/hr)*	CO2 (lb/hr)*	CH4 (lb/hr)*	Category:
Road Grader	350	0.195	0.664	1.819	0.002	0.067	0.062	229.484	0.015	Graders
Backhoe/Front Loader	350	0.239	0.771	2.352	0.004	0.078	0.072	344.884	0.022	Tractors/Loaders/Backhoes
Drum Type Compactor	250	0.135	0.408	1.410	0.002	0.050	0.046	163.090	0.012	Rollers
Track Type Dozer	350	0.266	1.022	2.391	0.003	0.094	0.087	259.229	0.024	Crawler Tractors
Excavator	300	0.180	0.549	1.611	0.002	0.057	0.053	233.135	0.016	Excavators

a from Table 4b
* Diesel PM2.5 emission factor (lb/hr) = PM10 emission factor (lb/hr) x PM2.5 fraction of PM10
PM2.5 fraction= 0.920
From Appendix A, Final--Methodology to Calculate Particulate Matter (PM) 2.5
and PM 2.5 Significance Thresholds, SCAQMD, October 2006,
http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)*	CO (lb/day)*	NOX (lb/day)*	SOX (lb/day)*	PM10 (lb/day)*	PM2.5 (lb/day)*
Road Grader	0.78	2.66	7.28	0.01	0.27	0.25
Backhoe/Front Loader	1.43	4.63	13.87	0.02	0.47	0.43
Drum Type Compactor	0.54	1.63	5.64	0.01	0.20	0.18
Track Type Dozer	1.60	6.13	14.36	0.02	0.57	0.52
Excavator	1.08	3.30	9.67	0.01	0.34	0.32
Total	5.43	18.34	50.51	0.07	1.85	1.70

* Emissions (lb/day) = number x hours/day x emission factor (lb/hr)

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)*	CH4 (MT)*	CO2e (MT)*
Road Grader	4.6	0.0	4.6
Backhoe/Front Loader	10.3	0.0	10.3
Drum Type Compactor	3.1	0.0	3.1
Track Type Dozer	7.8	0.0	7.8
Excavator	3.8	0.0	3.8
Total	29.5	0.0	29.6

* Emissions (metric tons, MT) = emission factor (lb/hr) x hours/day x Number x
days used x 453.6(g/lb)/ 1,000,000 (g/MT)
Emission factors are in Table 4b
* CO2 equivalent (CO2e) emission factors are CO2 emissions plus 21 x CH4 emissions, based on Table C.1 from California Climate Action
Registry General Reporting Protocol, Version 3.0, April 2005, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2005_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day:	Miles/ Day/ Veh.*
Onsite				
Noise				
Offsite				
1-Ton Crew Cab, 4x4	2	11	N/A	5
Water Truck	2	11	N/A	5
Lowboy Truck/Trailer	1	6	N/A	5
Worker Commute	5	11	N/A	60

* Onsite fuel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category:	VOC (lb/mi)*	CO (lb/mi)*	NOX (lb/mi)*	SOX (lb/mi)*	PM10 (lb/mi)*	PM2.5 (lb/mi)*	CO2 (lb/mi)*	CH4 (lb/mi)*
Onsite									
Noise		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
1-Ton Crew Cab, 4x4	Delivery	2.24E-03	1.95E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Water Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Lowboy Truck/Trailer	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	1.36E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a from Table 5b or Table 5f

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)*	CO (lb/day)*	NOX (lb/day)*	SOX (lb/day)*	PM10 (lb/day)*	PM2.5 (lb/day)*
Onsite						
Noise	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	0.00	0.00	0.00	0.00	0.00	0.00
Offsite						
1-Ton Crew Cab, 4x4	0.02	0.15	0.17	0.00	0.01	0.01
Water Truck	0.03	0.10	0.31	0.00	0.01	0.01
Lowboy Truck/Trailer	0.01	0.05	0.15	0.00	0.01	0.01
Worker Commute	0.24	2.30	0.23	0.00	0.03	0.02
Offsite Total	0.30	2.60	0.87	0.00	0.06	0.04
Total	0.30	2.60	0.87	0.00	0.06	0.04

* Emissions (lb/day) = number x miles/day x emission factor (lb/mi)

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)*	CH4 (MT)*	CO2e (MT)*
Onsite			
Noise	0.0	0.0	0.0
Onsite Total	0.0	0.0	0.0
Offsite			
1-Ton Crew Cab, 4x4	0.1	0.0	0.1
Water Truck	0.2	0.0	0.2
Lowboy Truck/Trailer	0.1	0.0	0.1
Worker Commute	1.6	0.0	1.7
Offsite Total	2.1	0.0	2.1
Total	2.1	0.0	2.1

* Emissions (metric tons, MT) = emission factor (lb/mi) x miles/day x Number x
days used x 453.6(g/lb)/ 1,000,000 (g/MT)
Emission factors are in Table 5b and Table 5f
* CO2 equivalent (CO2e) emission factors are CO2 emissions plus 21 x CH4 emissions, based on Table C.1 from California Climate Action
Registry General Reporting Protocol, Version 3.0, April 2005, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2005_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)*	PM2.5 Emission Factor (lb/mi)*	PM10 Emissions (lb/day)*	PM2.5 Emissions (lb/day)*
Onsite							
Noise						0.00	0.00
Onsite Total						0.00	0.00
Offsite							
1-Ton Crew Cab, 4x4	2	Unpaved	5	0.956	0.096	5.95	0.95
Water Truck	2	Unpaved	5	0.965	0.097	9.65	0.97
Lowboy Truck/Trailer	1	Unpaved	5	0.965	0.097	4.83	0.48
Worker Commute	5	Paved	60	0.001	0.000	0.24	0.00
Offsite Total						20.28	2.00
Total						20.28	2.00

a from Table 5c
* Emissions (lb/day) = number x miles/day x emission factor (lb/mi)

Earthwork Fugitive Particulate Matter Emissions

Activity:	Activity: Units	Activity: Level	PM10 Emission Factor*	PM2.5 Emission Factor*	PM10 (lb/day)*	PM2.5 (lb/day)*
Soil Handling*	CY/day	2,000	9.9E-04	2.0E-04	1.99	0.41
Bulldozing, Scraping and Grading	hr/day	10	0.348	0.072	3.48	0.72
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					5.46	1.14

a from Table 5d
* Emissions (lb/day) = Emission factor (lb/activity unit) x Activity unit (unit/day)
* Estimate

Table 22
500 kV Transmission Line Construction Emissions
Tower Removal

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	1.52	5.39	12.40	0.01	0.64	0.59	2.5
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**1.52**	**5.39**	**12.40**	**0.01**	**0.64**	**0.59**	**2.5**
Offsite Motor Vehicle Exhaust	0.49	4.45	1.24	0.01	0.08	0.06	1.2
Offsite Motor Vehicle Fugitive PM	--	--	--	--	27.19	2.68	
Offsite Total	**0.49**	**4.45**	**1.24**	**0.01**	**27.27**	**2.74**	**1.2**
Total	**2.01**	**9.83**	**13.63**	**0.02**	**27.91**	**3.32**	**3.7**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Compressor Trailer	120	1	4	6
80-Ton Rough Terrain Crane	350	1	4	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Compressor Trailer	120	0.089	0.329	0.533	0.001	0.049	0.045	46.950	0.008	Air Compressors
80-Ton Rough Terrain Crane	350	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Compressor Trailer	0.53	1.97	3.20	0.00	0.30	0.27
80-Ton Rough Terrain Crane	0.98	3.41	9.20	0.01	0.34	0.32
Total	**1.52**	**5.39**	**12.40**	**0.01**	**0.64**	**0.59**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Compressor Trailer	0.5	0.0	0.5
80-Ton Rough Terrain Crane	2.0	0.0	2.0
Total	**2.5**	**0.0**	**2.5**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
3/4-Ton Pick-up Truck, 4x4	2	4	N/A	5
1-Ton Crew Cab Flat Bed, 4x4	2	4	N/A	20
Worker Commute	8	4	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
3/4-Ton Pick-up Truck, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 22
500 kV Transmission Line Construction Emissions
Tower Removal

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
3/4-Ton Pick-up Truck, 4x4	0.02	0.15	0.17	0.00	0.01	0.01
1-Ton Crew Cab Flat Bed, 4x4	0.09	0.62	0.69	0.00	0.03	0.02
Worker Commute	0.38	3.67	0.37	0.01	0.04	0.03
Offsite Total	**0.49**	**4.45**	**1.24**	**0.01**	**0.08**	**0.06**
Total	**0.49**	**4.45**	**1.24**	**0.01**	**0.08**	**0.06**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
3/4-Ton Pick-up Truck, 4x4	0.1	0.0	0.1
1-Ton Crew Cab Flat Bed, 4x4	0.2	0.0	0.2
Worker Commute	1.0	0.0	1.0
Offsite Total	**1.2**	**0.0**	**1.2**
Total	**1.2**	**0.0**	**1.2**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None						0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
3/4-Ton Pick-up Truck, 4x4	2	Unpaved	5	0.455	0.046	4.55	0.46
1-Ton Crew Cab Flat Bed, 4x4	2	Unpaved	20	0.556	0.056	22.26	2.23
Worker Commute	8	Paved	60	0.001	0.000	0.38	0.00
Offsite Total						**27.19**	**2.68**
Total						**27.19**	**2.68**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 23
500 kV Transmission Line Construction Emissions
Tower Foundations Installation

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	2.91	10.27	28.44	0.05	0.97	0.89	47.2
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.20	0.04	
Onsite Total	**2.91**	**10.27**	**28.44**	**0.05**	**1.17**	**0.93**	**47.2**
Offsite Motor Vehicle Exhaust	0.59	4.85	2.29	0.01	0.14	0.11	9.3
Offsite Motor Vehicle Fugitive PM	--	--	--	--	59.08	5.86	
Offsite Total	**0.59**	**4.85**	**2.29**	**0.01**	**59.22**	**5.97**	**9.3**
Total	**3.50**	**15.12**	**30.73**	**0.06**	**60.38**	**6.90**	**56.5**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
30-Ton Crane Truck	300	1	26	5
Backhoe/Front Loader	200	1	26	8
Auger Truck	500	1	18	8

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
30-Ton Crane Truck	300	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes
Backhoe/Front Loader	200	0.126	0.375	1.281	0.002	0.042	0.038	171.737	0.011	Tractors/Loaders/Backhoes
Auger Truck	500	0.135	0.553	1.315	0.003	0.044	0.040	311.309	0.012	Bore/Drill Rigs

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
30-Ton Crane Truck	0.82	2.85	7.66	0.01	0.29	0.26
Backhoe/Front Loader	1.01	3.00	10.25	0.02	0.33	0.31
Auger Truck	1.08	4.42	10.52	0.02	0.35	0.32
Total	**2.91**	**10.27**	**28.44**	**0.05**	**0.97**	**0.89**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
30-Ton Crane Truck	10.6	0.0	10.6
Backhoe/Front Loader	16.2	0.0	16.2
Auger Truck	20.3	0.0	20.4
Total	**47.2**	**0.0**	**47.2**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
1-Ton Crew Cab Flat Bed, 4x4	2	26	N/A	5
Water Truck	1	26	N/A	5
10-cu. yd. Dump Truck	2	26	N/A	10
10-cu. yd. Concrete Mixer Truck	3	18	N/A	10
Worker Commute	9	26	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Table 23
500 kV Transmission Line Construction Emissions
Tower Foundations Installation

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Water Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
10-cu. yd. Dump Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
10-cu. yd. Concrete Mixer Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
1-Ton Crew Cab Flat Bed, 4x4	0.02	0.15	0.17	0.00	0.01	0.01
Water Truck	0.01	0.05	0.15	0.00	0.01	0.01
10-cu. yd. Dump Truck	0.05	0.20	0.62	0.00	0.03	0.03
10-cu. yd. Concrete Mixer Truck	0.08	0.31	0.93	0.00	0.04	0.04
Worker Commute	0.43	4.13	0.42	0.01	0.05	0.03
Offsite Total	**0.59**	**4.85**	**2.29**	**0.01**	**0.14**	**0.11**
Total	**0.59**	**4.85**	**2.29**	**0.01**	**0.14**	**0.11**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
1-Ton Crew Cab Flat Bed, 4x4	0.0	0.0	0.0
Water Truck	0.2	0.0	0.2
10-cu. yd. Dump Truck	1.0	0.0	1.0
10-cu. yd. Concrete Mixer Truck	1.0	0.0	1.0
Worker Commute	7.0	0.0	7.0
Offsite Total	**9.3**	**0.0**	**9.3**
Total	**9.3**	**0.0**	**9.3**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

a From Table 52

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None						0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
1-Ton Crew Cab Flat Bed, 4x4	2	Unpaved	5	0.556	0.056	5.56	0.56
Water Truck	1	Unpaved	5	0.965	0.097	4.83	0.48
10-cu. yd. Dump Truck	2	Unpaved	10	0.965	0.097	19.30	1.93
10-cu. yd. Concrete Mixer Truck	3	Unpaved	10	0.965	0.097	28.95	2.90
Worker Commute	9	Paved	60	0.001	0.000	0.43	0.00
Offsite Total						**59.08**	**5.86**
Total						**59.08**	**5.86**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling[c]	CY/day	200	9.94E-04	2.07E-04	0.20	0.04
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.20**	**0.04**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

[c] Estimate

Table 24
500 kV Transmission Line Construction Emissions
Tower Steel Haul

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.36	0.98	3.52	0.01	0.11	0.10	2.7
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.36**	**0.98**	**3.52**	**0.01**	**0.11**	**0.10**	**2.7**
Offsite Motor Vehicle Exhaust	0.36	3.11	1.07	0.00	0.07	0.05	3.0
Offsite Motor Vehicle Fugitive PM	--	--	--	--	25.16	2.49	
Offsite Total	**0.36**	**3.11**	**1.07**	**0.00**	**25.22**	**2.54**	**3.0**
Total	**0.72**	**4.10**	**4.59**	**0.01**	**25.34**	**2.64**	**5.7**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
10,000 lb Rough Terrain Forklift	200	1	13	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
10,000 lb Rough Terrain Forklift	200	0.059	0.164	0.587	0.001	0.019	0.017	77.122	0.005	Forklifts

a From Table 49

b Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
10,000 lb Rough Terrain Forklift	0.36	0.98	3.52	0.01	0.11	0.10
Total	**0.36**	**0.98**	**3.52**	**0.01**	**0.11**	**0.10**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
10,000 lb Rough Terrain Forklift	2.7	0.0	2.7
Total	**2.7**	**0.0**	**2.7**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
1-Ton Crew Cab Flat Bed, 4x4	2	13	N/A	5
40' Flat Bed Truck/Trailer	1	13	N/A	20
Worker Commute	6	13	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
40' Flat Bed Truck/Trailer	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 24
500 kV Transmission Line Construction Emissions
Tower Steel Haul

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
1-Ton Crew Cab Flat Bed, 4x4	0.02	0.15	0.17	0.00	0.01	0.01
40' Flat Bed Truck/Trailer	0.05	0.20	0.62	0.00	0.03	0.03
Worker Commute	0.29	2.76	0.28	0.00	0.03	0.02
Offsite Total	**0.36**	**3.11**	**1.07**	**0.00**	**0.07**	**0.05**
Total	**0.36**	**3.11**	**1.07**	**0.00**	**0.07**	**0.05**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
1-Ton Crew Cab Flat Bed, 4x4	0.2	0.0	0.2
40' Flat Bed Truck/Trailer	0.5	0.0	0.5
Worker Commute	2.3	0.0	2.3
Offsite Total	**3.0**	**0.0**	**3.0**
Total	**3.0**	**0.0**	**3.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None						0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
1-Ton Crew Cab Flat Bed, 4x4	2	Unpaved	5	0.556	0.056	5.56	0.56
40' Flat Bed Truck/Trailer	1	Unpaved	20	0.965	0.097	19.30	1.93
Worker Commute	6	Paved	60	0.001	0.000	0.29	0.00
Offsite Total						**25.16**	**2.49**
Total						**25.16**	**2.49**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 25
500 kV Transmission Line Construction Emissions
Tower Steel Assembly

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	5.02	16.96	50.94	0.06	1.77	1.63	72.4
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**5.02**	**16.96**	**50.94**	**0.06**	**1.77**	**1.63**	**72.4**
Offsite Motor Vehicle Exhaust	0.76	7.05	1.34	0.01	0.10	0.07	12.2
Offsite Motor Vehicle Fugitive PM	--	--	--	--	19.89	1.92	
Offsite Total	**0.76**	**7.05**	**1.34**	**0.01**	**19.99**	**1.99**	**12.2**
Total	**5.78**	**24.01**	**52.28**	**0.07**	**21.77**	**3.62**	**84.6**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
10,000 lb Rough Terrain Forklift	200	1	26	6
30-Ton Crane Truck	300	2	26	8
Compressor Trailer	350	2	26	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
10,000 lb Rough Terrain Forklift	200	0.059	0.164	0.587	0.001	0.019	0.017	77.122	0.005	Forklifts
30-Ton Crane Truck	300	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes
Compressor Trailer	350	0.171	0.573	1.908	0.002	0.062	0.057	231.741	0.015	Air Compressors

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
10,000 lb Rough Terrain Forklift	0.36	0.98	3.52	0.01	0.11	0.10
30-Ton Crane Truck	2.62	9.11	24.52	0.03	0.91	0.84
Compressor Trailer	2.05	6.87	22.89	0.03	0.75	0.69
Total	**5.02**	**16.96**	**50.94**	**0.06**	**1.77**	**1.63**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
10,000 lb Rough Terrain Forklift	5.5	0.0	5.5
30-Ton Crane Truck	34.0	0.0	34.0
Compressor Trailer	32.8	0.0	32.8
Total	**72.2**	**0.0**	**72.4**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
3/4-Ton Pick-up Truck, 4x4	3	26	N/A	10
1-Ton Crew Cab Flat Bed, 4x4	2	26	N/A	5
Worker Commute	14	26	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Table 25
500 kV Transmission Line Construction Emissions
Tower Steel Assembly

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
3/4-Ton Pick-up Truck, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
3/4-Ton Pick-up Truck, 4x4	0.07	0.46	0.52	0.00	0.02	0.02
1-Ton Crew Cab Flat Bed, 4x4	0.02	0.15	0.17	0.00	0.01	0.01
Worker Commute	0.67	6.43	0.65	0.01	0.08	0.05
Offsite Total	**0.76**	**7.05**	**1.34**	**0.01**	**0.10**	**0.07**
Total	**0.76**	**7.05**	**1.34**	**0.01**	**0.10**	**0.07**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
3/4-Ton Pick-up Truck, 4x4	1.0	0.0	1.0
1-Ton Crew Cab Flat Bed, 4x4	0.3	0.0	0.3
Worker Commute	10.9	0.0	10.9
Offsite Total	**12.2**	**0.0**	**12.2**
Total	**12.2**	**0.0**	**12.2**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None						0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
3/4-Ton Pick-up Truck, 4x4	3	Unpaved	10	0.455	0.046	13.66	1.37
1-Ton Crew Cab Flat Bed, 4x4	2	Unpaved	5	0.556	0.056	5.56	0.56
Worker Commute	14	Paved	60	0.001	0.000	0.67	0.00
Offsite Total						**19.89**	**1.92**
Total						**19.89**	**1.92**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 26
500 kV Transmission Line Construction Emissions
Tower Erection

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	1.52	5.39	12.40	0.01	0.64	0.59	8.1
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**1.52**	**5.39**	**12.40**	**0.01**	**0.64**	**0.59**	**8.1**
Offsite Motor Vehicle Exhaust	0.52	4.60	1.41	0.01	0.08	0.06	4.1
Offsite Motor Vehicle Fugitive PM	--	--	--	--	30.73	3.03	
Offsite Total	**0.52**	**4.60**	**1.41**	**0.01**	**30.82**	**3.10**	**4.1**
Total	**2.03**	**9.99**	**13.81**	**0.02**	**31.45**	**3.68**	**12.2**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Compressor Trailer	120	1	13	6
80-Ton Rough Terrain Crane	350	1	13	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Compressor Trailer	120	0.089	0.329	0.533	0.001	0.049	0.045	46.950	0.008	Air Compressors
80-Ton Rough Terrain Crane	350	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Compressor Trailer	0.53	1.97	3.20	0.00	0.30	0.27
80-Ton Rough Terrain Crane	0.98	3.41	9.20	0.01	0.34	0.32
Total	**1.52**	**5.39**	**12.40**	**0.01**	**0.64**	**0.59**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Compressor Trailer	1.7	0.0	1.7
80-Ton Rough Terrain Crane	6.4	0.0	6.4
Total	**8.0**	**0.0**	**8.1**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
3/4-Ton Pick-up Truck, 4x4	2	13	N/A	15
1-Ton Crew Cab Flat Bed, 4x4	2	13	N/A	15
Worker Commute	8	13	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
3/4-Ton Pick-up Truck, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 26
500 kV Transmission Line Construction Emissions
Tower Erection

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
3/4-Ton Pick-up Truck, 4x4	0.07	0.46	0.52	0.00	0.02	0.02
1-Ton Crew Cab Flat Bed, 4x4	0.07	0.46	0.52	0.00	0.02	0.02
Worker Commute	0.38	3.67	0.37	0.01	0.04	0.03
Offsite Total	**0.52**	**4.60**	**1.41**	**0.01**	**0.08**	**0.06**
Total	**0.52**	**4.60**	**1.41**	**0.01**	**0.08**	**0.06**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
3/4-Ton Pick-up Truck, 4x4	0.5	0.0	0.5
1-Ton Crew Cab Flat Bed, 4x4	0.5	0.0	0.5
Worker Commute	3.1	0.0	3.1
Offsite Total	**4.1**	**0.0**	**4.1**
Total	**4.1**	**0.0**	**4.1**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None						0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
3/4-Ton Pick-up Truck, 4x4	2	Unpaved	15	0.455	0.046	13.66	1.37
1-Ton Crew Cab Flat Bed, 4x4	2	Unpaved	15	0.556	0.056	16.69	1.67
Worker Commute	8	Paved	60	0.001	0.000	0.38	0.00
Offsite Total						**30.73**	**3.03**
Total						**30.73**	**3.03**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 27
500 kV Transmission Line Construction Emissions
Wire Stringing

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	10.94	39.58	106.05	0.14	3.88	3.57	0.00
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**10.94**	**39.58**	**106.05**	**0.14**	**3.88**	**3.57**	**0.0**
Offsite Motor Vehicle Exhaust	2.06	17.89	6.43	0.03	0.38	0.29	9.8
Offsite Helecopter Exhaust	12.64	15.87	6.40	7.84	0.21	0.21	0.00
Offsite Motor Vehicle Fugitive PM	--	--	--	--	121.10	11.95	
Offsite Total	**14.70**	**33.76**	**12.83**	**7.87**	**121.69**	**12.46**	**9.8**
Total	**25.64**	**73.34**	**118.87**	**8.01**	**125.58**	**16.03**	**9.8**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
20,000 lb Rough Terrain Forklift	350	1	8	2
22-Ton Manitex	350	1	8	8
30-Ton Manitex	350	4	8	6
Splicing Rig	350	2	8	2
Splicing Lab	300	2	2	2
Spacing Cart	10	2	2	8
Static Truck/Tensioner	350	1	4	2
3 Drum Straw Line Puller	300	2	4	4
60lk Puller	525	1	4	3
Sag Cat w/ 2 winches	350	2	4	2
580 Case Backhoe	120	1	8	2
D8 Cat	300	2	6	3
Hughes 500 E Helicopter	N/A	1	1	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
20,000 lb Rough Terrain Forklift	350	0.081	0.224	0.726	0.001	0.025	0.023	110.980	0.007	Forklifts
22-Ton Manitex	350	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes
30-Ton Manitex	350	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes
Splicing Rig	350	0.152	0.543	1.657	0.002	0.055	0.050	254.238	0.014	Other Construction Equipment
Splicing Lab	300	0.152	0.543	1.657	0.002	0.055	0.050	254.238	0.014	Other Construction Equipment
Spacing Cart	10	0.012	0.062	0.074	0.000	0.003	0.003	10.107	0.001	Other Construction Equipment
Static Truck/Tensioner	350	0.152	0.543	1.657	0.002	0.055	0.050	254.238	0.014	Other Construction Equipment
3 Drum Straw Line Puller	300	0.152	0.543	1.657	0.002	0.055	0.050	254.238	0.014	Other Construction Equipment
60lk Puller	525	0.092	0.385	0.860	0.001	0.037	0.034	122.696	0.008	Other Construction Equipment
Sag Cat w/ 2 winches	350	0.152	0.543	1.657	0.002	0.055	0.050	254.238	0.014	Other Construction Equipment
580 Case Backhoe	120	0.076	0.356	0.491	0.001	0.043	0.040	51.728	0.007	Tractors/Loaders/Backhoes
D8 Cat	300	0.266	1.022	2.391	0.003	0.094	0.087	259.229	0.024	Crawler Tractors
Hughes 500 E Helicopter	317	2.106	2.645	1.067	1.307	0.035	0.035	676.039		See note c

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5
and PM 2.5 Significance Thresholds, SCAQMD, October 2006,
http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

[c] All except SOx, PM2.5 and CO2 from Guidance on the Determination of Helicopter Emissions, Federal Department of the Environment, Transport, Energy and Communications, DETEC, Federal Office of Civil Aviation FOCA, Division Aviation Policy and Strategy, Swiss Confederation, March 2009. Downloaded from http://www.bazl.admin.ch/fachleute/01169/01174/01628/index.html?lang=en

PM2.5 emissions assumed equal to PM10

SOx emissions [lb/hr] = Fuel use [kg/hr] x 1000 [g/kg] / 453.6 [g/lb] x Fuel sulfur [wt. %] / 100 x 2 [lb SO2/lbS]

Fuel use = 98.8 kg/hr from Guidance on the Determination of Helicopter Emissions

Fuel sulfur = 0.3% from ASTM D-1655 for Jet-A

CO2 emissions [lb/hr] = CO2 emission factor [kg/gal] x 1000 [g/kg] / 453.6 [g/lb] x Fuel use [kg/hr] x 1000 [g/kg] / 453.6 [g/lb] / Fuel density [lb/gal]

CO2 emission factor = 9.57 kg/gal from Table C.3 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008.
Downloaded from http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Fuel use = 98.8 kg/hr from Guidance on the Determination of Helicopter Emissions

Jet-A density = 6.8 lb/gal

Table 27
500 kV Transmission Line Construction Emissions
Wire Stringing

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
20,000 lb Rough Terrain Forklift	0.16	0.45	1.45	0.00	0.05	0.05
22-Ton Manitex	1.31	4.55	12.26	0.01	0.46	0.42
30-Ton Manitex	3.92	13.66	36.79	0.04	1.37	1.26
Splicing Rig	0.61	2.17	6.63	0.01	0.22	0.20
Splicing Lab	0.61	2.17	6.63	0.01	0.22	0.20
Spacing Cart	0.19	0.99	1.18	0.00	0.05	0.04
Static Truck/Tensioner	0.30	1.09	3.31	0.00	0.11	0.10
3 Drum Straw Line Puller	1.21	4.34	13.26	0.02	0.44	0.40
60lk Puller	0.28	1.15	2.58	0.00	0.11	0.10
Sag Cat w/ 2 winches	0.61	2.17	6.63	0.01	0.22	0.20
580 Case Backhoe	0.15	0.71	0.98	0.00	0.09	0.08
D8 Cat	1.60	6.13	14.35	0.02	0.57	0.52
Hughes 500 E Helicopter	12.64	15.87	6.40	7.84	0.21	0.21
Total	**23.58**	**55.45**	**112.45**	**7.98**	**4.10**	**3.79**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
20,000 lb Rough Terrain Forklift	0.8	0.0	0.8
22-Ton Manitex	5.2	0.0	5.2
30-Ton Manitex	15.7	0.0	15.7
Splicing Rig	3.7	0.0	3.7
Splicing Lab	0.9	0.0	0.9
Spacing Cart	0.1	0.0	0.1
Static Truck/Tensioner	0.9	0.0	0.9
3 Drum Straw Line Puller	3.7	0.0	3.7
60lk Puller	0.7	0.0	0.7
Sag Cat w/ 2 winches	1.8	0.0	1.8
580 Case Backhoe	0.4	0.0	0.4
D8 Cat	4.2	0.0	4.2
Hughes 500 E Helicopter	1.8	0.0	1.8
Total	**40.1**	**0.0**	**40.1**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
3/4-Ton Pick-up Truck, 4x4	4	8	N/A	20
1-Ton Crew Cab Flat Bed, 4x4	4	8	N/A	20
Wire Truck/Trailer	4	6	N/A	5
Dump Truck	1	8	N/A	5
Lowboy Truck/Trailer	1	6	N/A	15
Fuel, Helicopter Support Truck	1	1	N/A	30
Worker Commute	32	8	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
3/4-Ton Pick-up Truck, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Wire Truck/Trailer	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Dump Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Lowboy Truck/Trailer	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Fuel, Helicopter Support Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 27
500 kV Transmission Line Construction Emissions
Wire Stringing

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
3/4-Ton Pick-up Truck, 4x4	0.18	1.24	1.39	0.00	0.05	0.04
1-Ton Crew Cab Flat Bed, 4x4	0.18	1.24	1.39	0.00	0.05	0.04
Wire Truck/Trailer	0.05	0.20	0.62	0.00	0.03	0.03
Dump Truck	0.01	0.05	0.15	0.00	0.01	0.01
Lowboy Truck/Trailer	0.04	0.15	0.46	0.00	0.02	0.02
Fuel, Helicopter Support Truck	0.08	0.31	0.93	0.00	0.04	0.04
Worker Commute	1.53	14.70	1.49	0.02	0.17	0.11
Offsite Total	**2.06**	**17.89**	**6.43**	**0.03**	**0.38**	**0.29**
Total	**2.06**	**17.89**	**6.43**	**0.03**	**0.38**	**0.29**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
3/4-Ton Pick-up Truck, 4x4	0.8	0.0	0.8
1-Ton Crew Cab Flat Bed, 4x4	0.8	0.0	0.8
Wire Truck/Trailer	0.2	0.0	0.2
Dump Truck	0.1	0.0	0.1
Lowboy Truck/Trailer	0.2	0.0	0.2
Fuel, Helicopter Support Truck	0.1	0.0	0.1
Worker Commute	7.7	0.0	7.7
Offsite Total	**9.8**	**0.0**	**9.8**
Total	**9.8**	**0.0**	**9.8**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None						0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
3/4-Ton Pick-up Truck, 4x4	4	Unpaved	20	0.455	0.046	36.42	3.64
1-Ton Crew Cab Flat Bed, 4x4	4	Unpaved	20	0.556	0.056	44.52	4.45
Wire Truck/Trailer	4	Unpaved	5	0.965	0.097	19.30	1.93
Dump Truck	1	Unpaved	5	0.965	0.097	4.83	0.48
Lowboy Truck/Trailer	1	Unpaved	15	0.965	0.097	14.48	1.45
Fuel, Helicopter Support Truck	1	Paved	30	0.001	0.000	0.02	0.00
Worker Commute	32	Paved	60	0.001	0.000	1.54	0.00
Offsite Total						**121.10**	**11.95**
Total						**121.10**	**11.95**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 28
500 kV Transmission Line Construction Emissions
Restoration

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	5.00	17.19	47.30	0.06	1.74	1.60	10.8
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	4.67	0.97	
Onsite Total	**5.00**	**17.19**	**47.30**	**0.06**	**6.41**	**2.57**	**10.8**
Offsite Motor Vehicle Exhaust	0.39	3.52	0.96	0.01	0.07	0.05	1.0
Offsite Motor Vehicle Fugitive PM	--	--	--	--	20.38	2.00	
Offsite Total	**0.39**	**3.52**	**0.96**	**0.01**	**20.44**	**2.05**	**1.0**
Total	**5.40**	**20.71**	**48.26**	**0.07**	**26.85**	**4.62**	**11.8**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Road Grader	350	1	4	6
Backhoe/Front Loader	350	1	4	6
Drum Type Compactor	250	1	4	6
Track Type Dozer	350	1	4	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Road Grader	350	0.195	0.664	1.819	0.002	0.067	0.062	229.484	0.018	Graders
Backhoe/Front Loader	350	0.239	0.771	2.262	0.004	0.078	0.072	344.854	0.022	Tractors/Loaders/Backhoes
Drum Type Compactor	250	0.135	0.408	1.410	0.002	0.050	0.046	153.090	0.012	Rollers
Track Type Dozer	350	0.266	1.022	2.391	0.003	0.094	0.087	259.229	0.024	Crawler Tractors

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Road Grader	1.17	3.98	10.92	0.01	0.40	0.37
Backhoe/Front Loader	1.43	4.63	13.57	0.02	0.47	0.43
Drum Type Compactor	0.81	2.45	8.46	0.01	0.30	0.28
Track Type Dozer	1.60	6.13	14.35	0.02	0.57	0.52
Total	**5.00**	**17.19**	**47.30**	**0.06**	**1.74**	**1.60**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Road Grader	2.5	0.0	2.5
Backhoe/Front Loader	3.8	0.0	3.8
Drum Type Compactor	1.7	0.0	1.7
Track Type Dozer	2.8	0.0	2.8
Total	**10.7**	**0.0**	**10.8**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
1-Ton Crew Cab Flat Bed, 4x4	2	4	N/A	5
Water Truck	1	4	N/A	5
Lowboy Truck/Trailer	1	4	N/A	10
Worker Commute	7	4	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Table 28
500 kV Transmission Line Construction Emissions
Restoration

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Water Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Lowboy Truck/Trailer	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
1-Ton Crew Cab Flat Bed, 4x4	0.02	0.15	0.17	0.00	0.01	0.01
Water Truck	0.01	0.05	0.15	0.00	0.01	0.01
Lowboy Truck/Trailer	0.03	0.10	0.31	0.00	0.01	0.01
Worker Commute	0.33	3.21	0.33	0.00	0.04	0.02
Offsite Total	**0.39**	**3.52**	**0.96**	**0.01**	**0.07**	**0.05**
Total	**0.39**	**3.52**	**0.96**	**0.01**	**0.07**	**0.05**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
1-Ton Crew Cab Flat Bed, 4x4	0.1	0.0	0.1
Water Truck	0.0	0.0	0.0
Lowboy Truck/Trailer	0.1	0.0	0.1
Worker Commute	0.8	0.0	0.8
Offsite Total	**1.0**	**0.0**	**1.0**
Total	**1.0**	**0.0**	**1.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None						0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
1-Ton Crew Cab Flat Bed, 4x4	2	Unpaved	5	0.556	0.056	5.56	0.56
Water Truck	1	Unpaved	5	0.965	0.097	4.83	0.48
Lowboy Truck/Trailer	1	Unpaved	10	0.965	0.097	9.65	0.97
Worker Commute	7	Paved	60	0.001	0.000	0.34	0.00
Offsite Total						**20.38**	**2.00**
Total						**20.38**	**2.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling[c]	CY/day	500	9.94E-04	2.07E-04	0.50	0.10
Bulldozing, Scraping and Grading	hr/day	12	0.348	0.072	4.17	0.87
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**4.67**	**0.97**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

[c] Estimate

Table 29
115 kV Subtransmission Line Construction Emissions Survey

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.0**
Offsite Motor Vehicle Exhaust	0.22	2.14	0.22	0.00	0.03	0.02	2.5
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.22	0.00	
Offsite Total	**0.22**	**2.14**	**0.22**	**0.00**	**0.25**	**0.02**	**2.5**
Total	**0.22**	**2.14**	**0.22**	**0.00**	**0.25**	**0.02**	**2.5**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
None				

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
None		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
None	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
None	0.0	0.0	0.0
Total	**0.0**	**0.0**	**0.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				
Offsite				
1/2-Ton Pick-up Truck, 4x4	2	18	8	20
Worker Commute	4	18	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
1/2-Ton Pick-up Truck, 4x4	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 29
115 kV Subtransmission Line Construction Emissions
Survey

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
1/2-Ton Pick-up Truck, 4x4	0.03	0.31	0.03	0.00	0.00	0.00
Worker Commute	0.19	1.84	0.19	0.00	0.02	0.01
Offsite Total	**0.22**	**2.14**	**0.22**	**0.00**	**0.03**	**0.02**
Total	**0.22**	**2.14**	**0.22**	**0.00**	**0.03**	**0.02**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
1/2-Ton Pick-up Truck, 4x4	0.4	0.0	0.4
Worker Commute	2.2	0.0	2.2
Offsite Total	**2.5**	**0.0**	**2.5**
Total	**2.5**	**0.0**	**2.5**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None							
Onsite Total						**0.00**	**0.00**
Offsite							
1/2-Ton Pick-up Truck, 4x4	2	Paved	20	0.001	0.000	0.03	0.00
Worker Commute	4	Paved	60	0.001	0.000	0.19	0.00
Offsite Total						**0.22**	**0.00**
Total						**0.22**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 30
115 kV Subtransmission Line Construction Emissions
Marshalling Yard

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.62	1.96	6.00	0.01	0.21	0.19	123.7
Onsite Motor Vehicle Exhaust	0.02	0.10	0.16	0.00	0.01	0.01	4.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	5.20	0.52	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.64**	**2.06**	**6.17**	**0.01**	**5.41**	**0.72**	**127.7**
Offsite Motor Vehicle Exhaust	0.19	1.84	0.19	0.00	0.02	0.01	43.8
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.19	0.00	
Offsite Total	**0.19**	**1.84**	**0.19**	**0.00**	**0.21**	**0.01**	**43.8**
Total	**0.83**	**3.90**	**6.35**	**0.01**	**5.62**	**0.73**	**171.5**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
30-Ton Crane Truck	300	1	365	2
10,000 lb Rough Terrain Forklift	200	1	365	5

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
30-Ton Crane Truck	300	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes
10,000 lb Rough Terrain Forklift	200	0.059	0.164	0.587	0.001	0.019	0.017	77.122	0.005	Forklifts

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
30-Ton Crane Truck	0.33	1.14	3.07	0.00	0.11	0.11
10,000 lb Rough Terrain Forklift	0.30	0.82	2.94	0.00	0.09	0.09
Total	**0.62**	**1.96**	**6.00**	**0.01**	**0.21**	**0.19**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
30-Ton Crane Truck	59.6	0.0	59.7
10,000 lb Rough Terrain Forklift	63.8	0.0	63.9
Total	**123.5**	**0.0**	**123.7**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
1-Ton Crew Cab, 4x4	1	365	2	5
Truck, Semi Tractor	1	365	1	2.5
Offsite				
Worker Commute	4	365	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
1-Ton Crew Cab, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Truck, Semi Tractor	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Offsite									
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 30
115 kV Subtransmission Line Construction Emissions
Marshalling Yard

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
1-Ton Crew Cab, 4x4	0.01	0.08	0.09	0.00	0.00	0.00
Truck, Semi Tractor	0.01	0.03	0.08	0.00	0.00	0.00
Onsite Total	**0.02**	**0.10**	**0.16**	**0.00**	**0.01**	**0.01**
Offsite						
Worker Commute	0.19	1.84	0.19	0.00	0.02	0.01
Offsite Total	**0.19**	**1.84**	**0.19**	**0.00**	**0.02**	**0.01**
Total	**0.21**	**1.94**	**0.35**	**0.00**	**0.03**	**0.02**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
1-Ton Crew Cab, 4x4	2.3	0.0	2.3
Truck, Semi Tractor	1.7	0.0	1.7
Onsite Total	**4.0**	**0.0**	**4.0**
Offsite			
Worker Commute	43.8	0.0	43.8
Offsite Total	**43.8**	**0.0**	**43.8**
Total	**47.8**	**0.0**	**47.9**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
1-Ton Crew Cab, 4x4	1	Unpaved	5	0.556	0.056	2.78	0.28
Truck, Semi Tractor	1	Unpaved	2.5	0.965	0.097	2.41	0.24
Onsite Total						**5.20**	**0.52**
Offsite							
Worker Commute	4	Paved	60	0.001	0.000	0.19	0.00
Offsite Total						**0.19**	**0.00**
Total						**5.39**	**0.52**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 31
115 kV Subtransmission Line Construction Emissions
Roads and Landing Work

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	5.43	18.34	50.51	0.07	1.85	1.70	234.1
Onsite Motor Vehicle Exhaust	0.01	0.02	0.06	0.00	0.00	0.00	0.3
Onsite Motor Vehicle Fugitive PM	--	--	--	--	1.93	0.19	
Earthwork Fugitive PM	--	--	--	--	3.58	0.74	
Onsite Total	**5.43**	**18.36**	**50.57**	**0.07**	**7.36**	**2.64**	**234.5**
Offsite Motor Vehicle Exhaust	0.45	3.53	2.20	0.01	0.11	0.09	22.4
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.31	0.00	
Offsite Total	**0.45**	**3.53**	**2.20**	**0.01**	**0.42**	**0.09**	**22.4**
Total	**5.88**	**21.89**	**52.77**	**0.07**	**7.78**	**2.73**	**256.8**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Road Grader	350	1	88	4
Backhoe/Front Loader	350	1	88	6
Drum Type Compactor	250	1	88	4
Track Type Dozer	350	1	88	6
Excavator	300	1	44	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Road Grader	350	0.195	0.664	1.819	0.002	0.067	0.062	229.484	0.018	Graders
Backhoe/Front Loader	350	0.239	0.771	2.262	0.004	0.078	0.072	344.854	0.022	Tractors/Loaders/Backhoes
Drum Type Compactor	250	0.135	0.408	1.410	0.002	0.050	0.046	153.090	0.012	Rollers
Track Type Dozer	350	0.266	1.022	2.391	0.003	0.094	0.087	259.229	0.024	Crawler Tractors
Excavator	300	0.180	0.549	1.611	0.002	0.057	0.053	233.735	0.016	Excavators

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Road Grader	0.78	2.66	7.28	0.01	0.27	0.25
Backhoe/Front Loader	1.43	4.63	13.57	0.02	0.47	0.43
Drum Type Compactor	0.54	1.63	5.64	0.01	0.20	0.18
Track Type Dozer	1.60	6.13	14.35	0.02	0.57	0.52
Excavator	1.08	3.30	9.67	0.01	0.34	0.32
Total	**5.43**	**18.34**	**50.51**	**0.07**	**1.85**	**1.70**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Road Grader	36.6	0.0	36.7
Backhoe/Front Loader	82.6	0.0	82.7
Drum Type Compactor	24.4	0.0	24.5
Track Type Dozer	62.1	0.0	62.2
Excavator	28.0	0.0	28.0
Total	**233.8**	**0.0**	**234.1**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.
Onsite				
Water Truck	2	88	8	1
Offsite				
1-Ton Crew Cab, 4x4	2	88	N/A	30
Lowboy Truck/Trailer	1	44	N/A	30
Worker Commute	5	88	N/A	60

Table 31
115 kV Subtransmission Line Construction Emissions
Roads and Landing Work

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Water Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Offsite									
1-Ton Crew Cab, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Lowboy Truck/Trailer	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Water Truck	0.01	0.02	0.06	0.00	0.00	0.00
Onsite Total	**0.01**	**0.02**	**0.06**	**0.00**	**0.00**	**0.00**
Offsite						
1-Ton Crew Cab, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
Lowboy Truck/Trailer	0.08	0.31	0.93	0.00	0.04	0.04
Worker Commute	0.24	2.30	0.23	0.00	0.03	0.02
Offsite Total	**0.45**	**3.53**	**2.20**	**0.01**	**0.11**	**0.09**
Total	**0.45**	**3.55**	**2.26**	**0.01**	**0.11**	**0.09**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Water Truck	0.3	0.0	0.3
Onsite Total	**0.3**	**0.0**	**0.3**
Offsite			
1-Ton Crew Cab, 4x4	6.6	0.0	6.6
Lowboy Truck/Trailer	2.5	0.0	2.5
Worker Commute	13.2	0.0	13.2
Offsite Total	**22.3**	**0.0**	**22.4**
Total	**22.7**	**0.0**	**22.7**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Water Truck	2	Unpaved	1	0.965	0.097	1.93	0.19
Onsite Total						**1.93**	**0.19**
Offsite							
1-Ton Crew Cab, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
Lowboy Truck/Trailer	1	Paved	30	0.001	0.000	0.02	0.00
Worker Commute	5	Paved	60	0.001	0.000	0.24	0.00
Offsite Total						**0.31**	**0.00**
Total						**2.24**	**0.19**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling[c]	CY/day	100	9.94E-04	2.07E-04	0.10	0.02
Bulldozing, Scraping and Grading	hr/day	10	0.348	0.072	3.48	0.72
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**3.58**	**0.74**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

[c] Estimate

Table 32
115 kV Subtransmission Line Construction Emissions
Guard Structure Installation

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	3.17	11.82	29.97	0.04	1.21	1.11	52.5
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**3.17**	**11.82**	**29.97**	**0.04**	**1.21**	**1.11**	**52.5**
Offsite Motor Vehicle Exhaust	0.56	4.45	2.77	0.01	0.14	0.11	9.1
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.38	0.00	
Offsite Total	**0.56**	**4.45**	**2.77**	**0.01**	**0.52**	**0.11**	**9.1**
Total	**3.73**	**16.27**	**32.74**	**0.05**	**1.73**	**1.22**	**61.6**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Compressor Trailer	120	1	26	6
Auger Truck	500	1	26	6
30-Ton Crane Truck	300	1	26	8
80ft. Hydraulic Manlift/Bucket Truck	350	1	26	4

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Compressor Trailer	120	0.089	0.329	0.533	0.001	0.049	0.045	46.950	0.008	Air Compressors
Auger Truck	500	0.135	0.553	1.315	0.003	0.044	0.040	311.309	0.012	Bore/Drill Rigs
30-Ton Crane Truck	300	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes
80ft. Hydraulic Manlift/Bucket Truck	350	0.128	0.494	1.655	0.002	0.049	0.045	212.856	0.012	Aerial Lifts

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Compressor Trailer	0.53	1.97	3.20	0.00	0.30	0.27
Auger Truck	0.81	3.32	7.89	0.02	0.26	0.24
30-Ton Crane Truck	1.31	4.55	12.26	0.01	0.46	0.42
80ft. Hydraulic Manlift/Bucket Truck	0.51	1.98	6.62	0.01	0.20	0.18
Total	**3.17**	**11.82**	**29.97**	**0.04**	**1.21**	**1.11**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Compressor Trailer	3.3	0.0	3.3
Auger Truck	22.0	0.0	22.0
30-Ton Crane Truck	17.0	0.0	17.0
80ft. Hydraulic Manlift/Bucket Truck	10.0	0.0	10.1
Total	**52.4**	**0.0**	**52.5**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				
Offsite				
3/4-Ton Pick-up Truck, 4x4	2	26	N/A	30
1-Ton Crew Cab Flat Bed, 4x4	1	26	N/A	30
Extendable Flat Bed Pole Truck	1	26	N/A	30
Worker Commute	6	26	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Table 32
115 kV Subtransmission Line Construction Emissions
Guard Structure Installation

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
3/4-Ton Pick-up Truck, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Extendable Flat Bed Pole Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
3/4-Ton Pick-up Truck, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
1-Ton Crew Cab Flat Bed, 4x4	0.07	0.46	0.52	0.00	0.02	0.02
Extendable Flat Bed Pole Truck	0.08	0.31	0.93	0.00	0.04	0.04
Worker Commute	0.29	2.76	0.28	0.00	0.03	0.02
Offsite Total	**0.56**	**4.45**	**2.77**	**0.01**	**0.14**	**0.11**
Total	**0.56**	**4.45**	**2.77**	**0.01**	**0.14**	**0.11**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
3/4-Ton Pick-up Truck, 4x4	2.0	0.0	2.0
1-Ton Crew Cab Flat Bed, 4x4	1.0	0.0	1.0
Extendable Flat Bed Pole Truck	1.5	0.0	1.5
Worker Commute	4.7	0.0	4.7
Offsite Total	**9.1**	**0.0**	**9.1**
Total	**9.1**	**0.0**	**9.1**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None							
Onsite Total						**0.00**	**0.00**
Offsite							
3/4-Ton Pick-up Truck, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
1-Ton Crew Cab Flat Bed, 4x4	1	Paved	30	0.001	0.000	0.02	0.00
Extendable Flat Bed Pole Truck	1	Paved	30	0.001	0.000	0.02	0.00
Worker Commute	6	Paved	60	0.001	0.000	0.29	0.00
Offsite Total						**0.38**	**0.00**
Total						**0.38**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 33
115 kV Subtransmission Line Construction Emissions
Remove Existing Wood H-Frames and Poles

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	3.27	11.43	27.14	0.03	1.35	1.24	31.7
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**3.27**	**11.43**	**27.14**	**0.03**	**1.35**	**1.24**	**31.7**
Offsite Motor Vehicle Exhaust	0.50	3.99	2.25	0.01	0.12	0.09	7.2
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.36	0.00	
Offsite Total	**0.50**	**3.99**	**2.25**	**0.01**	**0.48**	**0.09**	**7.2**
Total	**3.77**	**15.42**	**29.39**	**0.04**	**1.83**	**1.34**	**38.9**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
10-000 lb. Rough Terrain Forklift	200	1	23	4
30-Ton Crane Truck	300	2	23	6
Compressor Trailer	120	2	23	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
10-000 lb. Rough Terrain Forklift	200	0.059	0.164	0.587	0.001	0.019	0.017	77.122	0.005	Forklifts
30-Ton Crane Truck	300	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes
Compressor Trailer	120	0.089	0.329	0.533	0.001	0.049	0.045	46.950	0.008	Air Compressors

a From Table 49

b Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
10-000 lb. Rough Terrain Forklift	0.24	0.66	2.35	0.00	0.07	0.07
30-Ton Crane Truck	1.96	6.83	18.39	0.02	0.69	0.63
Compressor Trailer	1.07	3.94	6.40	0.01	0.59	0.54
Total	**3.27**	**11.43**	**27.14**	**0.03**	**1.35**	**1.24**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
10-000 lb. Rough Terrain Forklift	3.2	0.0	3.2
30-Ton Crane Truck	22.5	0.0	22.6
Compressor Trailer	5.9	0.0	5.9
Total	**31.6**	**0.0**	**31.7**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				
Offsite				
1-Ton Crew Cab, 4x4	2	23	N/A	30
Flat Bed Truck/Trailer	1	23	N/A	30
Worker Commute	6	23	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Table 33
115 kV Subtransmission Line Construction Emissions
Remove Existing Wood H-Frames and Poles

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
1-Ton Crew Cab, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Flat Bed Truck/Trailer	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
1-Ton Crew Cab, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
Flat Bed Truck/Trailer	0.08	0.31	0.93	0.00	0.04	0.04
Worker Commute	0.29	2.76	0.28	0.00	0.03	0.02
Offsite Total	**0.50**	**3.99**	**2.25**	**0.01**	**0.12**	**0.09**
Total	**0.50**	**3.99**	**2.25**	**0.01**	**0.12**	**0.09**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
1-Ton Crew Cab, 4x4	1.7	0.0	1.7
Flat Bed Truck/Trailer	1.3	0.0	1.3
Worker Commute	4.1	0.0	4.1
Offsite Total	**7.2**	**0.0**	**7.2**
Total	**7.2**	**0.0**	**7.2**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None							
Onsite Total						**0.00**	**0.00**
Offsite							
1-Ton Crew Cab, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
Flat Bed Truck/Trailer	1	Paved	30	0.001	0.000	0.02	0.00
Worker Commute	6	Paved	60	0.001	0.000	0.29	0.00
Offsite Total						**0.36**	**0.00**
Total						**0.36**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 34
115 kV Subtransmission Line Construction Emissions
Remove Existing Tubular Steel/Light Weight Steel Poles

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	1.43	5.06	11.86	0.01	0.59	0.54	3.0
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**1.43**	**5.06**	**11.86**	**0.01**	**0.59**	**0.54**	**3.0**
Offsite Motor Vehicle Exhaust	0.65	5.53	2.45	0.01	0.12	0.09	2.0
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.48	0.00	
Offsite Total	**0.65**	**5.53**	**2.45**	**0.01**	**0.60**	**0.09**	**2.0**
Total	**2.08**	**10.59**	**14.31**	**0.02**	**1.19**	**0.64**	**4.9**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Compressor Trailer	120	1	5	5
80-Ton Rough Terrain Crane	350	1	5	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Compressor Trailer	120	0.089	0.329	0.533	0.001	0.049	0.045	46.950	0.008	Air Compressors
80-Ton Rough Terrain Crane	350	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Compressor Trailer	0.45	1.64	2.67	0.00	0.25	0.23
80-Ton Rough Terrain Crane	0.98	3.41	9.20	0.01	0.34	0.32
Total	**1.43**	**5.06**	**11.86**	**0.01**	**0.59**	**0.54**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Compressor Trailer	0.5	0.0	0.5
80-Ton Rough Terrain Crane	2.5	0.0	2.5
Total	**3.0**	**0.0**	**3.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				
Offsite				
3/4-Ton Pick-up Truck, 4x4	2	5	N/A	30
1-Ton Crew Cab Flat Bed, 4x4	2	5	N/A	30
Worker Commute	8	5	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
3/4-Ton Pick-up Truck, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 34
115 kV Subtransmission Line Construction Emissions
Remove Existing Tubular Steel/Light Weight Steel Poles

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
3/4-Ton Pick-up Truck, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
1-Ton Crew Cab Flat Bed, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
Worker Commute	0.38	3.67	0.37	0.01	0.04	0.03
Offsite Total	**0.65**	**5.53**	**2.45**	**0.01**	**0.12**	**0.09**
Total	**0.65**	**5.53**	**2.45**	**0.01**	**0.12**	**0.09**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
3/4-Ton Pick-up Truck, 4x4	0.4	0.0	0.4
1-Ton Crew Cab Flat Bed, 4x4	0.4	0.0	0.4
Worker Commute	1.2	0.0	1.2
Offsite Total	**2.0**	**0.0**	**2.0**
Total	**2.0**	**0.0**	**2.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None							
Onsite Total						**0.00**	**0.00**
Offsite							
3/4-Ton Pick-up Truck, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
1-Ton Crew Cab Flat Bed, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
Worker Commute	8	Paved	60	0.001	0.000	0.38	0.00
Offsite Total						**0.48**	**0.00**
Total						**0.48**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 35
115 kV Subtransmission Line Construction Emissions
Install Tubular Steel Pole Foundations

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	2.91	10.27	28.44	0.05	0.97	0.89	172.7
Onsite Motor Vehicle Exhaust	0.00	0.01	0.03	0.00	0.00	0.00	0.2
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.97	0.10	
Earthwork Fugitive PM	--	--	--	--	0.03	0.01	
Onsite Total	**2.91**	**10.28**	**28.47**	**0.05**	**1.97**	**1.00**	**172.9**
Offsite Motor Vehicle Exhaust	0.91	6.14	6.52	0.01	0.32	0.27	53.2
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.46	0.00	
Offsite Total	**0.91**	**6.14**	**6.52**	**0.01**	**0.78**	**0.27**	**53.2**
Total	**3.83**	**16.42**	**34.99**	**0.06**	**2.75**	**1.26**	**226.1**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
30-Ton Crane Truck	300	1	96	5
Backhoe/Front Loader	200	1	96	8
Auger Truck	500	1	65	8

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
30-Ton Crane Truck	300	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes
Backhoe/Front Loader	200	0.126	0.375	1.281	0.002	0.042	0.038	171.737	0.011	Tractors/Loaders/Backhoes
Auger Truck	500	0.135	0.553	1.315	0.003	0.044	0.040	311.309	0.012	Bore/Drill Rigs

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
30-Ton Crane Truck	0.82	2.85	7.66	0.01	0.29	0.26
Backhoe/Front Loader	1.01	3.00	10.25	0.02	0.33	0.31
Auger Truck	1.08	4.42	10.52	0.02	0.35	0.32
Total	**2.91**	**10.27**	**28.44**	**0.05**	**0.97**	**0.89**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
30-Ton Crane Truck	39.2	0.0	39.3
Backhoe/Front Loader	59.8	0.0	59.9
Auger Truck	73.4	0.0	73.5
Total	**172.5**	**0.0**	**172.7**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.
Onsite				
Water Truck	1	96	8	1
Offsite				
1-Ton Crew Cab Flat Bed, 4x4	3	96	N/A	30
10-cu. yd. Dump Truck	2	96	N/A	30
10-cu. yd. Concrete Mixer Truck	3	65	N/A	30
Worker Commute	7	96	N/A	60

Table 35
115 kV Subtransmission Line Construction Emissions
Install Tubular Steel Pole Foundations

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Water Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Offsite									
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
10-cu. yd. Dump Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
10-cu. yd. Concrete Mixer Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Water Truck	0.00	0.01	0.03	0.00	0.00	0.00
Onsite Total	**0.00**	**0.01**	**0.03**	**0.00**	**0.00**	**0.00**
Offsite						
1-Ton Crew Cab Flat Bed, 4x4	0.20	1.39	1.56	0.00	0.06	0.05
10-cu. yd. Dump Truck	0.15	0.61	1.86	0.00	0.09	0.08
10-cu. yd. Concrete Mixer Truck	0.23	0.92	2.78	0.00	0.13	0.12
Worker Commute	0.33	3.21	0.33	0.00	0.04	0.02
Offsite Total	**0.91**	**6.14**	**6.52**	**0.01**	**0.32**	**0.27**
Total	**0.92**	**6.15**	**6.55**	**0.01**	**0.32**	**0.27**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Water Truck	0.2	0.0	0.2
Onsite Total	**0.2**	**0.0**	**0.2**
Offsite			
1-Ton Crew Cab Flat Bed, 4x4	10.8	0.0	10.9
10-cu. yd. Dump Truck	11.0	0.0	11.0
10-cu. yd. Concrete Mixer Truck	11.2	0.0	11.2
Worker Commute	20.1	0.0	20.2
Offsite Total	**53.2**	**0.0**	**53.2**
Total	**53.4**	**0.0**	**53.4**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Water Truck	1	Unpaved	1	0.965	0.097	0.97	0.10
Onsite Total						**0.97**	**0.10**
Offsite							
1-Ton Crew Cab Flat Bed, 4x4	3	Paved	30	0.001	0.000	0.07	0.00
10-cu. yd. Dump Truck	2	Paved	30	0.001	0.000	0.05	0.00
Worker Commute	7	Paved	60	0.001	0.000	0.34	0.00
Offsite Total						**0.46**	**0.00**
Total						**1.42**	**0.10**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling[c]	CY/day	35	9.94E-04	2.07E-04	0.03	0.01
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.03**	**0.01**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

[c] Estimate

Table 36
115 kV Subtransmission Line Construction Emissions
Steel Pole Haul

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.98	3.41	9.20	0.01	0.34	0.32	62.8
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.98**	**3.41**	**9.20**	**0.01**	**0.34**	**0.32**	**62.8**
Offsite Motor Vehicle Exhaust	0.48	3.38	3.08	0.01	0.15	0.12	39.7
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.29	0.00	
Offsite Total	**0.48**	**3.38**	**3.08**	**0.01**	**0.44**	**0.12**	**39.7**
Total	**1.46**	**6.79**	**12.28**	**0.02**	**0.78**	**0.44**	**102.6**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
80-Ton Rough Terrain Crane	350	1	128	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
80-Ton Rough Terrain Crane	350	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
80-Ton Rough Terrain Crane	0.98	3.41	9.20	0.01	0.34	0.32
Total	**0.98**	**3.41**	**9.20**	**0.01**	**0.34**	**0.32**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
80-Ton Rough Terrain Crane	62.7	0.0	62.8
Total	**62.7**	**0.0**	**62.8**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
3/4-Ton Pick-up Truck, 4x4	2	128	N/A	30
40' Flat Bed Truck/Trailer	2	128	N/A	30
Worker Commute	4	128	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None									
Offsite									
3/4-Ton Pick-up Truck, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
40' Flat Bed Truck/Trailer	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 36
115 kV Subtransmission Line Construction Emissions
Steel Pole Haul

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
3/4-Ton Pick-up Truck, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
40' Flat Bed Truck/Trailer	0.15	0.61	1.86	0.00	0.09	0.08
Worker Commute	0.19	1.84	0.19	0.00	0.02	0.01
Offsite Total	**0.48**	**3.38**	**3.08**	**0.01**	**0.15**	**0.12**
Total	**0.48**	**3.38**	**3.08**	**0.01**	**0.15**	**0.12**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
3/4-Ton Pick-up Truck, 4x4	9.6	0.0	9.6
40' Flat Bed Truck/Trailer	14.7	0.0	14.7
Worker Commute	15.3	0.0	15.4
Offsite Total	**39.7**	**0.0**	**39.7**
Total	**39.7**	**0.0**	**39.7**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None	0						
Onsite Total						**0.00**	**0.00**
Offsite							
3/4-Ton Pick-up Truck, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
40' Flat Bed Truck/Trailer	2	Paved	30	0.001	0.000	0.05	0.00
Worker Commute	4	Paved	60	0.001	0.000	0.19	0.00
Offsite Total						**0.29**	**0.00**
Total						**0.29**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 37
115 kV Subtransmission Line Construction Emissions
Steel Pole Assembly

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	1.43	5.06	11.86	0.01	0.59	0.54	152.5
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**1.43**	**5.06**	**11.86**	**0.01**	**0.59**	**0.54**	**152.5**
Offsite Motor Vehicle Exhaust	0.65	5.53	2.45	0.01	0.12	0.09	99.7
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.48	0.00	
Offsite Total	**0.65**	**5.53**	**2.45**	**0.01**	**0.60**	**0.09**	**99.7**
Total	**2.08**	**10.59**	**14.31**	**0.02**	**1.19**	**0.64**	**252.1**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Compressor Trailer	120	1	255	5
80-Ton Rough Terrain Crane	350	1	255	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Compressor Trailer	120	0.089	0.329	0.533	0.001	0.049	0.045	46.950	0.008	Air Compressors
80-Ton Rough Terrain Crane	350	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Compressor Trailer	0.45	1.64	2.67	0.00	0.25	0.23
80-Ton Rough Terrain Crane	0.98	3.41	9.20	0.01	0.34	0.32
Total	**1.43**	**5.06**	**11.86**	**0.01**	**0.59**	**0.54**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Compressor Trailer	27.2	0.0	27.3
80-Ton Rough Terrain Crane	125.0	0.0	125.2
Total	**152.1**	**0.0**	**152.5**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
3/4-Ton Pick-up Truck, 4x4	2	255	N/A	30
1-Ton Crew Cab Flat Bed, 4x4	2	255	N/A	30
Worker Commute	8	255	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
3/4-Ton Pick-up Truck, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 37
115 kV Subtransmission Line Construction Emissions
Steel Pole Assembly

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
3/4-Ton Pick-up Truck, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
1-Ton Crew Cab Flat Bed, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
Worker Commute	0.38	3.67	0.37	0.01	0.04	0.03
Offsite Total	**0.65**	**5.53**	**2.45**	**0.01**	**0.12**	**0.09**
Total	**0.65**	**5.53**	**2.45**	**0.01**	**0.12**	**0.09**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
3/4-Ton Pick-up Truck, 4x4	19.2	0.0	19.2
1-Ton Crew Cab Flat Bed, 4x4	19.2	0.0	19.2
Worker Commute	61.2	0.0	61.2
Offsite Total	**99.6**	**0.0**	**99.7**
Total	**99.6**	**0.0**	**99.7**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None	0						
Onsite Total						**0.00**	**0.00**
Offsite							
3/4-Ton Pick-up Truck, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
1-Ton Crew Cab Flat Bed, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
Worker Commute	8	Paved	60	0.001	0.000	0.38	0.00
Offsite Total						**0.48**	**0.00**
Total						**0.48**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 38
115 kV Subtransmission Line Construction Emissions
Steel Pole Erection

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	1.43	5.06	11.86	0.01	0.59	0.54	152.5
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**1.43**	**5.06**	**11.86**	**0.01**	**0.59**	**0.54**	**152.5**
Offsite Motor Vehicle Exhaust	0.65	5.53	2.45	0.01	0.12	0.09	99.7
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.48	0.00	
Offsite Total	**0.65**	**5.53**	**2.45**	**0.01**	**0.60**	**0.09**	**99.7**
Total	**2.08**	**10.59**	**14.31**	**0.02**	**1.19**	**0.64**	**252.1**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Compressor Trailer	120	1	255	5
80-Ton Rough Terrain Crane	350	1	255	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Compressor Trailer	120	0.089	0.329	0.533	0.001	0.049	0.045	46.950	0.008	Air Compressors
80-Ton Rough Terrain Crane	350	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Compressor Trailer	0.45	1.64	2.67	0.00	0.25	0.23
80-Ton Rough Terrain Crane	0.98	3.41	9.20	0.01	0.34	0.32
Total	**1.43**	**5.06**	**11.86**	**0.01**	**0.59**	**0.54**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Compressor Trailer	27.2	0.0	27.3
80-Ton Rough Terrain Crane	125.0	0.0	125.2
Total	**152.1**	**0.0**	**152.5**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
3/4-Ton Pick-up Truck, 4x4	2	255	N/A	30
1-Ton Crew Cab Flat Bed, 4x4	2	255	N/A	30
Worker Commute	8	255	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
3/4-Ton Pick-up Truck, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 38
115 kV Subtransmission Line Construction Emissions
Steel Pole Erection

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
3/4-Ton Pick-up Truck, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
1-Ton Crew Cab Flat Bed, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
Worker Commute	0.38	3.67	0.37	0.01	0.04	0.03
Offsite Total	**0.65**	**5.53**	**2.45**	**0.01**	**0.12**	**0.09**
Total	**0.65**	**5.53**	**2.45**	**0.01**	**0.12**	**0.09**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
3/4-Ton Pick-up Truck, 4x4	19.2	0.0	19.2
1-Ton Crew Cab Flat Bed, 4x4	19.2	0.0	19.2
Worker Commute	61.2	0.0	61.2
Offsite Total	**99.6**	**0.0**	**99.7**
Total	**99.6**	**0.0**	**99.7**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None	0						
Onsite Total						**0.00**	**0.00**
Offsite							
3/4-Ton Pick-up Truck, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
1-Ton Crew Cab Flat Bed, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
Worker Commute	8	Paved	60	0.001	0.000	0.38	0.00
Offsite Total						**0.48**	**0.00**
Total						**0.48**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 39
115 kV Subtransmission Line Construction Emissions
Wire Stringing

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	7.09	25.69	77.52	0.10	2.57	2.37	327.1
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**7.09**	**25.69**	**77.52**	**0.10**	**2.57**	**2.37**	**327.1**
Offsite Motor Vehicle Exhaust	1.39	11.05	6.65	0.02	0.34	0.27	74.9
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.99	0.00	
Offsite Total	**1.39**	**11.05**	**6.65**	**0.02**	**1.32**	**0.27**	**74.9**
Total	**8.48**	**36.74**	**84.17**	**0.12**	**3.89**	**2.64**	**402.0**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Bucket Truck	350	2	89	8
22-Ton Manitex	350	2	89	8
Splicing Rig	350	1	23	2
Splicing Lab	300	1	23	2
3 Drum Straw Line Puller	300	1	45	6
Static Truck/Tensioner	350	1	45	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Bucket Truck	350	0.128	0.494	1.655	0.002	0.049	0.045	212.856	0.012	Aerial Lifts
22-Ton Manitex	350	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes
Splicing Rig	350	0.152	0.543	1.657	0.002	0.055	0.050	254.238	0.014	Other Construction Equipment
Splicing Lab	300	0.152	0.543	1.657	0.002	0.055	0.050	254.238	0.014	Other Construction Equipment
3 Drum Straw Line Puller	300	0.152	0.543	1.657	0.002	0.055	0.050	254.238	0.014	Other Construction Equipment
Static Truck/Tensioner	350	0.152	0.543	1.657	0.002	0.055	0.050	254.238	0.014	Other Construction Equipment

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Bucket Truck	2.04	7.90	26.48	0.03	0.79	0.72
22-Ton Manitex	2.62	9.11	24.52	0.03	0.91	0.84
Splicing Rig	0.30	1.09	3.31	0.00	0.11	0.10
Splicing Lab	0.30	1.09	3.31	0.00	0.11	0.10
3 Drum Straw Line Puller	0.91	3.26	9.94	0.01	0.33	0.30
Static Truck/Tensioner	0.91	3.26	9.94	0.01	0.33	0.30
Total	**7.09**	**25.69**	**77.52**	**0.10**	**2.57**	**2.37**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Bucket Truck	137.5	0.0	137.6
22-Ton Manitex	116.3	0.0	116.5
Splicing Rig	5.3	0.0	5.3
Splicing Lab	5.3	0.0	5.3
3 Drum Straw Line Puller	31.1	0.0	31.2
Static Truck/Tensioner	31.1	0.0	31.2
Total	**326.7**	**0.0**	**327.1**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Table 39
115 kV Subtransmission Line Construction Emissions
Wire Stringing

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
3/4-Ton Pick-up Truck, 4x4	2	89	N/A	30
1-Ton Crew Cab Flat Bed, 4x4	4	89	N/A	30
Wire Truck/Trailer	2	60	N/A	30
Dump Truck (Trash)	1	89	N/A	30
Worker Commute	16	89	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
3/4-Ton Pick-up Truck, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Wire Truck/Trailer	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Dump Truck (Trash)	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
3/4-Ton Pick-up Truck, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
1-Ton Crew Cab Flat Bed, 4x4	0.27	1.85	2.08	0.00	0.08	0.07
Wire Truck/Trailer	0.15	0.61	1.86	0.00	0.09	0.08
Dump Truck (Trash)	0.08	0.31	0.93	0.00	0.04	0.04
Worker Commute	0.76	7.35	0.74	0.01	0.09	0.06
Offsite Total	**1.39**	**11.05**	**6.65**	**0.02**	**0.34**	**0.27**
Total	**1.39**	**11.05**	**6.65**	**0.02**	**0.34**	**0.27**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
3/4-Ton Pick-up Truck, 4x4	6.7	0.0	6.7
1-Ton Crew Cab Flat Bed, 4x4	13.4	0.0	13.4
Wire Truck/Trailer	6.9	0.0	6.9
Dump Truck (Trash)	5.1	0.0	5.1
Worker Commute	42.7	0.0	42.7
Offsite Total	**74.8**	**0.0**	**74.9**
Total	**74.8**	**0.0**	**74.9**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Table 39
115 kV Subtransmission Line Construction Emissions
Wire Stringing

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None	0						
Onsite Total						**0.00**	**0.00**
Offsite							
3/4-Ton Pick-up Truck, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
1-Ton Crew Cab Flat Bed, 4x4	4	Paved	30	0.001	0.000	0.10	0.00
Wire Truck/Trailer	2	Paved	30	0.001	0.000	0.05	0.00
Dump Truck (Trash)	1	Paved	30	0.001	0.000	0.02	0.00
Worker Commute	16	Paved	60	0.001	0.000	0.77	0.00
Offsite Total						**0.99**	**0.00**
Total						**0.99**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 40
115 kV Subtransmission Line Construction Emissions
Guard Structure Removal

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	2.89	10.47	25.28	0.03	1.24	1.14	23.4
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**2.89**	**10.47**	**25.28**	**0.03**	**1.24**	**1.14**	**23.4**
Offsite Motor Vehicle Exhaust	0.71	5.22	4.21	0.01	0.20	0.16	8.0
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.43	0.00	
Offsite Total	**0.71**	**5.22**	**4.21**	**0.01**	**0.63**	**0.16**	**8.0**
Total	**3.59**	**15.70**	**29.50**	**0.04**	**1.88**	**1.31**	**31.4**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Compressor Trailer	120	2	18	6
30-Ton Crane Truck	300	1	18	8
80ft. Hydraulic Manlift/Bucket Truck	350	1	18	4

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Compressor Trailer	120	0.089	0.329	0.533	0.001	0.049	0.045	46.950	0.008	Air Compressors
30-Ton Crane Truck	300	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes
80ft. Hydraulic Manlift/Bucket Truck	350	0.128	0.494	1.655	0.002	0.049	0.045	212.856	0.012	Aerial Lifts

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Compressor Trailer	1.07	3.94	6.40	0.01	0.59	0.54
30-Ton Crane Truck	1.31	4.55	12.26	0.01	0.46	0.42
80ft. Hydraulic Manlift/Bucket Truck	0.51	1.98	6.62	0.01	0.20	0.18
Total	**2.89**	**10.47**	**25.28**	**0.03**	**1.24**	**1.14**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Compressor Trailer	4.6	0.0	4.6
30-Ton Crane Truck	11.8	0.0	11.8
80ft. Hydraulic Manlift/Bucket Truck	7.0	0.0	7.0
Total	**23.3**	**0.0**	**23.4**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
3/4-Ton Pick-up Truck, 4x4	2	18	N/A	30
1-Ton Crew Cab Flat Bed, 4x4	2	18	N/A	30
Extendable Flat Bed Pole Truck	2	18	N/A	30
Worker Commute	6	18	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Table 40
115 kV Subtransmission Line Construction Emissions
Guard Structure Removal

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
3/4-Ton Pick-up Truck, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
1-Ton Crew Cab Flat Bed, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Extendable Flat Bed Pole Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
3/4-Ton Pick-up Truck, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
1-Ton Crew Cab Flat Bed, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
Extendable Flat Bed Pole Truck	0.15	0.61	1.86	0.00	0.09	0.08
Worker Commute	0.29	2.76	0.28	0.00	0.03	0.02
Offsite Total	**0.71**	**5.22**	**4.21**	**0.01**	**0.20**	**0.16**
Total	**0.71**	**5.22**	**4.21**	**0.01**	**0.20**	**0.16**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
3/4-Ton Pick-up Truck, 4x4	1.4	0.0	1.4
1-Ton Crew Cab Flat Bed, 4x4	1.4	0.0	1.4
Extendable Flat Bed Pole Truck	2.1	0.0	2.1
Worker Commute	3.2	0.0	3.2
Offsite Total	**8.0**	**0.0**	**8.0**
Total	**8.0**	**0.0**	**8.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None	0						
Onsite Total						**0.00**	**0.00**
Offsite							
3/4-Ton Pick-up Truck, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
1-Ton Crew Cab Flat Bed, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
Extendable Flat Bed Pole Truck	2	Paved	30	0.001	0.000	0.05	0.00
Worker Commute	6	Paved	60	0.001	0.000	0.29	0.00
Offsite Total						**0.43**	**0.00**
Total						**0.43**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 41
115 kV Subtransmission Line Construction Emissions
Restoration

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	5.00	17.19	47.30	0.06	1.74	1.60	48.4
Onsite Motor Vehicle Exhaust	0.01	0.03	0.09	0.00	0.00	0.00	0.1
Onsite Motor Vehicle Fugitive PM	--	--	--	--	2.90	0.29	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**5.01**	**17.22**	**47.39**	**0.06**	**4.64**	**1.89**	**48.5**
Offsite Motor Vehicle Exhaust	0.54	4.45	2.29	0.01	0.12	0.10	6.2
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.41	0.00	
Offsite Total	**0.54**	**4.45**	**2.29**	**0.01**	**0.53**	**0.10**	**6.2**
Total	**5.56**	**21.67**	**49.68**	**0.07**	**5.17**	**1.99**	**54.7**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Road Grader	350	1	18	6
Backhoe/Front Loader	350	1	18	6
Drum Type Compactor	250	1	18	6
Track Type Dozer	350	1	18	6

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Road Grader	350	0.195	0.664	1.819	0.002	0.067	0.062	229.484	0.018	Graders
Backhoe/Front Loader	350	0.239	0.771	2.262	0.004	0.078	0.072	344.854	0.022	Tractors/Loaders/Backhoes
Drum Type Compactor	250	0.135	0.408	1.410	0.002	0.050	0.046	153.090	0.012	Rollers
Track Type Dozer	350	0.266	1.022	2.391	0.003	0.094	0.087	259.229	0.024	Crawler Tractors

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Road Grader	1.17	3.98	10.92	0.01	0.40	0.37
Backhoe/Front Loader	1.43	4.63	13.57	0.02	0.47	0.43
Drum Type Compactor	0.81	2.45	8.46	0.01	0.30	0.28
Track Type Dozer	1.60	6.13	14.35	0.02	0.57	0.52
Total	**5.00**	**17.19**	**47.30**	**0.06**	**1.74**	**1.60**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Road Grader	11.2	0.0	11.3
Backhoe/Front Loader	16.9	0.0	16.9
Drum Type Compactor	7.5	0.0	7.5
Track Type Dozer	12.7	0.0	12.7
Total	**48.3**	**0.0**	**48.4**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.
Onsite				
Water Truck	1	18	8	3
Offsite				
1-Ton Crew Cab, 4x4	2	18	N/A	30
Lowboy Truck/Trailer	1	18	N/A	30
Worker Commute	7	18	N/A	60

Table 41
115 kV Subtransmission Line Construction Emissions
Restoration

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
Water Truck		2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Offsite									
1-Ton Crew Cab, 4x4	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Lowboy Truck/Trailer	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
Water Truck	0.01	0.03	0.09	0.00	0.00	0.00
Onsite Total	**0.01**	**0.03**	**0.09**	**0.00**	**0.00**	**0.00**
Offsite						
1-Ton Crew Cab, 4x4	0.13	0.93	1.04	0.00	0.04	0.03
Lowboy Truck/Trailer	0.08	0.31	0.93	0.00	0.04	0.04
Worker Commute	0.33	3.21	0.33	0.00	0.04	0.02
Offsite Total	**0.54**	**4.45**	**2.29**	**0.01**	**0.12**	**0.10**
Total	**0.55**	**4.48**	**2.39**	**0.01**	**0.13**	**0.10**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
Water Truck	0.1	0.0	0.1
Onsite Total	**0.1**	**0.0**	**0.1**
Offsite			
1-Ton Crew Cab, 4x4	1.4	0.0	1.4
Lowboy Truck/Trailer	1.0	0.0	1.0
Worker Commute	3.8	0.0	3.8
Offsite Total	**6.2**	**0.0**	**6.2**
Total	**6.3**	**0.0**	**6.3**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
Water Truck	1	Unpaved	3	0.965	0.097	2.90	0.29
Onsite Total						**2.90**	**0.29**
Offsite							
1-Ton Crew Cab, 4x4	2	Paved	30	0.001	0.000	0.05	0.00
Lowboy Truck/Trailer	1	Paved	30	0.001	0.000	0.02	0.00
Worker Commute	7	Paved	60	0.001	0.000	0.34	0.00
Offsite Total						**0.41**	**0.00**
Total						**3.30**	**0.29**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 42
Telecommunications Construction
Tower Foundation

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	1.49	7.10	9.96	0.01	0.85	0.78	2.4
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.50	0.10	
Onsite Total	**1.49**	**7.10**	**9.96**	**0.01**	**1.35**	**0.89**	**2.4**
Offsite Motor Vehicle Exhaust	0.40	3.07	2.15	0.01	0.11	0.09	1.3
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.26	0.00	
Offsite Total	**0.40**	**3.07**	**2.15**	**0.01**	**0.37**	**0.09**	**1.3**
Total	**1.89**	**10.17**	**12.11**	**0.02**	**1.72**	**0.97**	**3.7**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Backhoe	79	1	5	8
Concrete Mixer	120	1	5	8

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Backhoe	79	0.076	0.356	0.491	0.001	0.043	0.040	51.728	0.007	Tractors/Loaders/Backhoes
Concrete Mixer	120	0.110	0.532	0.754	0.001	0.063	0.058	80.859	0.010	Other Construction Equipment

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Backhoe	0.61	2.85	3.93	0.00	0.35	0.32
Concrete Mixer	0.88	4.26	6.03	0.01	0.51	0.47
Total	**1.49**	**7.10**	**9.96**	**0.01**	**0.85**	**0.78**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Backhoe	0.9	0.0	0.9
Concrete Mixer	1.5	0.0	1.5
Total	**2.4**	**0.0**	**2.4**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
Crew Truck	2	5	N/A	30
Stake Truck	1	5	N/A	30
Worker Commute	4	5	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Table 42
Telecommunications Construction
Tower Foundation

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
Crew Truck	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Stake Truck	HHDT	2.53E-03	1.02E-02	3.09E-02	4.04E-05	1.50E-03	1.29E-03	4.22E+00	1.17E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
Crew Truck	0.13	0.93	1.04	0.00	0.04	0.03
Stake Truck	0.08	0.31	0.93	0.00	0.04	0.04
Worker Commute	0.19	1.84	0.19	0.00	0.02	0.01
Offsite Total	**0.40**	**3.07**	**2.15**	**0.01**	**0.11**	**0.09**
Total	**0.40**	**3.07**	**2.15**	**0.01**	**0.11**	**0.09**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
Crew Truck	0.4	0.0	0.4
Stake Truck	0.3	0.0	0.3
Worker Commute	0.6	0.0	0.6
Offsite Total	**1.3**	**0.0**	**1.3**
Total	**1.3**	**0.0**	**1.3**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None	0					0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
Crew Truck	2	Paved	30	0.001	0.000	0.05	0.00
Stake Truck	1	Paved	30	0.001	0.000	0.02	0.00
Worker Commute	4	Paved	60	0.001	0.000	0.19	0.00
Offsite Total						**0.26**	**0.00**
Total						**0.26**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling[c]	CY/day	500	9.94E-04	2.07E-04	0.50	0.10
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.50**	**0.10**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

[c] Estimate

Table 43
Telecommunications Construction
Tower Construction

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	1.79	6.51	15.47	0.02	0.72	0.66	23.8
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**1.79**	**6.51**	**15.47**	**0.02**	**0.72**	**0.66**	**23.8**
Offsite Motor Vehicle Exhaust	0.33	2.76	1.23	0.00	0.06	0.05	5.9
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.24	0.00	
Offsite Total	**0.33**	**2.76**	**1.23**	**0.00**	**0.30**	**0.05**	**5.9**
Total	**2.12**	**9.28**	**16.70**	**0.02**	**1.02**	**0.71**	**29.7**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
150-Foot Crane	300	1	30	8
150-Foot Lift Truck	100	1	30	8

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
150-Foot Crane	300	0.163	0.569	1.533	0.002	0.057	0.053	180.101	0.015	Cranes
150-Foot Lift Truck	100	0.061	0.245	0.401	0.000	0.032	0.030	38.072	0.005	Aerial Lifts

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
150-Foot Crane	1.31	4.55	12.26	0.01	0.46	0.42
150-Foot Lift Truck	0.49	1.96	3.21	0.00	0.26	0.24
Total	**1.79**	**6.51**	**15.47**	**0.02**	**0.72**	**0.66**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
150-Foot Crane	19.6	0.0	19.6
150-Foot Lift Truck	4.1	0.0	4.2
Total	**23.8**	**0.0**	**23.8**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
Crew Truck	2	30	N/A	30
Worker Commute	4	30	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
Crew Truck	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 43
Telecommunications Construction
Tower Construction

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
Crew Truck	0.13	0.93	1.04	0.00	0.04	0.03
Worker Commute	0.19	1.84	0.19	0.00	0.02	0.01
Offsite Total	**0.33**	**2.76**	**1.23**	**0.00**	**0.06**	**0.05**
Total	**0.33**	**2.76**	**1.23**	**0.00**	**0.06**	**0.05**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
Crew Truck	2.3	0.0	2.3
Worker Commute	3.6	0.0	3.6
Offsite Total	**5.9**	**0.0**	**5.9**
Total	**5.9**	**0.0**	**5.9**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None	0					0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
Crew Truck	2	Paved	30	0.001	0.000	0.05	0.00
Worker Commute	4	Paved	60	0.001	0.000	0.19	0.00
Offsite Total						**0.24**	**0.00**
Total						**0.24**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 44
Telecommunications Construction
Dish Installation

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.49	1.96	3.21	0.00	0.26	0.24	1.4
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.49**	**1.96**	**3.21**	**0.00**	**0.26**	**0.24**	**1.4**
Offsite Motor Vehicle Exhaust	0.26	2.30	0.71	0.00	0.04	0.03	1.6
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.22	0.00	
Offsite Total	**0.26**	**2.30**	**0.71**	**0.00**	**0.26**	**0.03**	**1.6**
Total	**0.74**	**4.26**	**3.92**	**0.01**	**0.52**	**0.27**	**3.0**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
150-Foot Lift Truck	100	1	10	8

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
150-Foot Lift Truck	100	0.061	0.245	0.401	0.000	0.032	0.030	38.072	0.005	Aerial Lifts

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
150-Foot Lift Truck	0.49	1.96	3.21	0.00	0.26	0.24
Total	**0.49**	**1.96**	**3.21**	**0.00**	**0.26**	**0.24**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
150-Foot Lift Truck	1.4	0.0	1.4
Total	**1.4**	**0.0**	**1.4**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
Crew Truck	1	10	N/A	30
Worker Commute	4	10	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
Crew Truck	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 44
Telecommunications Construction
Dish Installation

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
Crew Truck	0.07	0.46	0.52	0.00	0.02	0.02
Worker Commute	0.19	1.84	0.19	0.00	0.02	0.01
Offsite Total	**0.26**	**2.30**	**0.71**	**0.00**	**0.04**	**0.03**
Total	**0.26**	**2.30**	**0.71**	**0.00**	**0.04**	**0.03**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
Crew Truck	0.4	0.0	0.4
Worker Commute	1.2	0.0	1.2
Offsite Total	**1.6**	**0.0**	**1.6**
Total	**1.6**	**0.0**	**1.6**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None	0					0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
Crew Truck	1	Paved	30	0.001	0.000	0.02	0.00
Worker Commute	4	Paved	60	0.001	0.000	0.19	0.00
Offsite Total						**0.22**	**0.00**
Total						**0.22**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 45
Telecommunications Construction
Control Building

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	1.02	3.95	13.24	0.02	0.39	0.36	19.3
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**1.02**	**3.95**	**13.24**	**0.02**	**0.39**	**0.36**	**19.3**
Offsite Motor Vehicle Exhaust	0.16	1.38	0.61	0.00	0.03	0.02	2.4
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.12	0.00	
Offsite Total	**0.16**	**1.38**	**0.61**	**0.00**	**0.15**	**0.02**	**2.4**
Total	**1.18**	**5.33**	**13.85**	**0.02**	**0.54**	**0.38**	**21.8**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Bucket Truck	350	1	25	8

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Bucket Truck	350	0.128	0.494	1.655	0.002	0.049	0.045	212.856	0.012	Aerial Lifts

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Bucket Truck	1.02	3.95	13.24	0.02	0.39	0.36
Total	**1.02**	**3.95**	**13.24**	**0.02**	**0.39**	**0.36**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Bucket Truck	19.3	0.0	19.3
Total	**19.3**	**0.0**	**19.3**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
Crew Truck	1	25	N/A	30
Worker Commute	2	25	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
Crew Truck	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 45
Telecommunications Construction
Control Building

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
Crew Truck	0.07	0.46	0.52	0.00	0.02	0.02
Worker Commute	0.10	0.92	0.09	0.00	0.01	0.01
Offsite Total	**0.16**	**1.38**	**0.61**	**0.00**	**0.03**	**0.02**
Total	**0.16**	**1.38**	**0.61**	**0.00**	**0.03**	**0.02**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
Crew Truck	0.9	0.0	0.9
Worker Commute	1.5	0.0	1.5
Offsite Total	**2.4**	**0.0**	**2.4**
Total	**2.4**	**0.0**	**2.4**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None	0					0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
Crew Truck	1	Paved	30	0.001	0.000	0.02	0.00
Worker Commute	2	Paved	60	0.001	0.000	0.10	0.00
Offsite Total						**0.12**	**0.00**
Total						**0.12**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 46
Telecommunications Construction
Overhead Communications Installation

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	1.02	3.95	13.24	0.02	0.39	0.36	24.0
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**1.02**	**3.95**	**13.24**	**0.02**	**0.39**	**0.36**	**24.0**
Offsite Motor Vehicle Exhaust	0.26	2.30	0.71	0.00	0.04	0.03	4.9
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.22	0.00	
Offsite Total	**0.26**	**2.30**	**0.71**	**0.00**	**0.26**	**0.03**	**4.9**
Total	**1.28**	**6.25**	**13.95**	**0.02**	**0.65**	**0.39**	**28.9**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
Bucket Truck	350	1	31	8

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Bucket Truck	350	0.128	0.494	1.655	0.002	0.049	0.045	212.856	0.012	Aerial Lifts

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Bucket Truck	1.02	3.95	13.24	0.02	0.39	0.36
Total	**1.02**	**3.95**	**13.24**	**0.02**	**0.39**	**0.36**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Bucket Truck	23.9	0.0	24.0
Total	**23.9**	**0.0**	**24.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
Reel Truck	1	31	N/A	30
Worker Commute	4	31	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
Reel Truck	Delivery	2.24E-03	1.55E-02	1.73E-02	2.67E-05	6.50E-04	5.50E-04	2.77E+00	1.07E-04
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 46
Telecommunications Construction
Overhead Communications Installation

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
Reel Truck	0.07	0.46	0.52	0.00	0.02	0.02
Worker Commute	0.19	1.84	0.19	0.00	0.02	0.01
Offsite Total	**0.26**	**2.30**	**0.71**	**0.00**	**0.04**	**0.03**
Total	**0.26**	**2.30**	**0.71**	**0.00**	**0.04**	**0.03**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
Reel Truck	1.2	0.0	1.2
Worker Commute	3.7	0.0	3.7
Offsite Total	**4.9**	**0.0**	**4.9**
Total	**4.9**	**0.0**	**4.9**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None	0					0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
Reel Truck	1	Paved	30	0.001	0.000	0.02	0.00
Worker Commute	4	Paved	60	0.001	0.000	0.19	0.00
Offsite Total						**0.22**	**0.00**
Total						**0.22**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 47
Telecommunications Construction
Substation Telecommunications Equipment Installation

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Exhaust	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.00	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.0**
Offsite Motor Vehicle Exhaust	0.14	1.38	0.14	0.00	0.02	0.01	0.9
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.14	0.00	
Offsite Total	**0.14**	**1.38**	**0.14**	**0.00**	**0.16**	**0.01**	**0.9**
Total	**0.14**	**1.38**	**0.14**	**0.00**	**0.16**	**0.01**	**0.9**

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/ Day
None				

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
None		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
None	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
None	0.0	0.0	0.0
Total	**0.0**	**0.0**	**0.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/ Day	Miles/ Day/ Veh.[a]
Onsite				
None				0
Offsite				
Van	2	10	N/A	30
Worker Commute	2	10	N/A	60

[a] Onsite travel based on 25% use at 10 mph average speed

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Onsite									
None		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Offsite									
Van	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Worker Commute	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Table 47
Telecommunications Construction
Substation Telecommunications Equipment Installation

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Onsite						
None	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite						
Van	0.05	0.46	0.05	0.00	0.01	0.00
Worker Commute	0.10	0.92	0.09	0.00	0.01	0.01
Offsite Total	**0.14**	**1.38**	**0.14**	**0.00**	**0.02**	**0.01**
Total	**0.14**	**1.38**	**0.14**	**0.00**	**0.02**	**0.01**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Onsite			
None	0.0	0.0	0.0
Onsite Total	**0.0**	**0.0**	**0.0**
Offsite			
Van	0.3	0.0	0.3
Worker Commute	0.6	0.0	0.6
Offsite Total	**0.9**	**0.0**	**0.9**
Total	**0.9**	**0.0**	**0.9**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Onsite							
None	0					0.00	0.00
Onsite Total						**0.00**	**0.00**
Offsite							
Van	2	Paved	30	0.001	0.000	0.05	0.00
Worker Commute	2	Paved	60	0.001	0.000	0.10	0.00
Offsite Total						**0.14**	**0.00**
Total						**0.14**	**0.00**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor[a]	PM2.5 Emission Factor[a]	PM10 (lb/day)[b]	PM2.5 (lb/day)[b]
Soil Handling	CY/day		9.94E-04	2.07E-04	0.00	0.00
Bulldozing, Scraping and Grading	hr/day		0.348	0.072	0.00	0.00
Storage Pile Wind Erosion	acres		22.0	4.58	0.00	0.00
Total					**0.00**	**0.00**

a From Table 53

[b] Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

Table 48
Operational Emissions

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT/yr)
Emergency Diesel Generator	0.20	0.76	2.59	0.00	0.08	0.00	8
Motor Vehicle Exhaust	0.15	1.43	0.15	0.00	0.02	0.01	2
Motor Vehicle Fugitive PM	--	--	--	--	2.42	0.23	--
SF6 Leakage	--	--	--	--	--	--	3,420
Total	**0.34**	**2.19**	**2.73**	**0.01**	**2.51**	**0.24**	**3,430**

Emergency Diesel Generator Usage

Equipment	Horse-power	Number	Days Used/ Year	Hours Used/ Day
Emergency Diesel Generator	440	1	52	1

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr)[a]	CO (lb/hr)[a]	NOX (lb/hr)[a]	SOX (lb/hr)[a]	PM10 (lb/hr)[a]	PM2.5 (lb/hr)[b]	CO2 (lb/hr)[a]	CH4 (lb/hr)[a]	Category
Emergency Diesel Generator	440	0.195	0.762	2.590	0.003	0.076	0.000	336.853	0.018	Generator Sets

a From Table 49

[b] Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006, http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Emergency Diesel Generator Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Emergency Diesel Generator	0.20	0.76	2.59	0.00	0.08	0.00
Total	**0.20**	**0.76**	**2.59**	**0.00**	**0.08**	**0.00**

[a] Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Emergency Diesel Generator Annual Greenhouse Gas Emissions

Equipment	CO2 (MT)[a]	CH4 (MT)[a]	CO2e (MT)[b]
Emergency Diesel Generator	7.9	0.0	8.0
Total	**7.9**	**0.0**	**8.0**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 49

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used/ Year	Miles/ Day/ Veh.
Transmission Line Inspection	1	1	65
Subtransmission Line Inspection	1	1	62
Substation Site Visit	1	48	60

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi)[a]	CO (lb/mi)[a]	NOX (lb/mi)[a]	SOX (lb/mi)[a]	PM10 (lb/mi)[a]	PM2.5 (lb/mi)[b]	CO2 (lb/mi)[a]	CH4 (lb/mi)[a]
Transmission Line Inspection	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Subtransmission Line Inspection	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05
Substation Site Visit	Passenger	7.96E-04	7.65E-03	7.76E-04	1.07E-05	8.98E-05	5.75E-05	1.10E+00	7.17E-05

a From Table 50 or Table 51

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day)[a]	CO (lb/day)[a]	NOX (lb/day)[a]	SOX (lb/day)[a]	PM10 (lb/day)[a]	PM2.5 (lb/day)[a]
Transmission Line Inspection	0.05	0.50	0.05	0.00	0.01	0.00
Subtransmission Line Inspection	0.05	0.47	0.05	0.00	0.01	0.00
Substation Site Visit	0.05	0.46	0.05	0.00	0.01	0.00
Total	**0.15**	**1.43**	**0.15**	**0.00**	**0.02**	**0.01**

[a] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Table 48
Operational Emissions

Motor Vehicle Annual Greenhouse Gas Emissions

Vehicle	CO2 (MT/yr)[a]	CH4 (MT/yr)[a]	CO2e (MT/yr)[b]
Transmission Line Inspection	0.0	0.0	0.0
Subtransmission Line Inspection	0.0	0.0	0.0
Substation Site Visit	1.4	0.0	1.4
Total	**1.5**	**0.0**	**1.5**

[a] Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 50 and Table 51

[b] CO_2-equivalent (CO_2e) emission factors are CO_2 emissions plus 21 x CH_4 emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi)[a]	PM2.5 Emission Factor (lb/mi)[a]	PM10 Emissions (lb/day)[b]	PM2.5 Emissions (lb/day)[b]
Transmission Line Inspection	1	Paved	60	0.001	0.000	0.05	0.00
Transmission Line Inspection	1	Unpaved	5	0.455	0.046	2.28	0.23
Subtransmission Line Inspection	1	Paved	62	0.001	0.000	0.05	0.00
Substation Site Visit	1	Paved	60	0.001	0.000	0.05	0.00
Total						**2.42**	**0.23**

a From Table 52

[b] Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

SF6 Leakage Greenhouse Gas Emissions

Item	Value	Units
SF6 in 500 kV Equipment	50,000	pounds
SF6 in 115 kV Equipment	15,000	pounds
Total SF6 Added	65,000	pounds
SF6 Leakage Rate	0.5	%/year
SF6 Emissions	325	pounds
SF6 Global Warming Potential[a]	23,200	
CO2e Emissions[b]	**3,420**	**MT/yr**

[a] Based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008.
http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

[b] CO_2e emissions [metric tons] = SF_6 emissions [lb] x Global warming potential [lb CO_2e/lb SF_6] x 453.6 [g/lb] / 1,000,000 [g/MT]

Table 49

SCAB Fleet Average Emission Factors (Diesel)

2012

Air Basin	SC

Equipment	MaxHP	(lb/hr) ROG	(lb/hr) CO	(lb/hr) NOX	(lb/hr) SOX	(lb/hr) PM	(lb/hr) CO2	(lb/hr) CH4
Aerial Lifts	15	0.0102	0.0528	0.0642	0.0001	0.0030	8.7	0.0009
	25	0.0175	0.0517	0.0957	0.0001	0.0055	11.0	0.0016
	50	0.0650	0.1822	0.1916	0.0003	0.0169	19.6	0.0059
	120	0.0607	0.2451	0.4012	0.0004	0.0324	38.1	0.0055
	500	0.1276	0.4941	1.6553	0.0021	0.0491	213	0.0115
	750	0.2379	0.8930	3.0795	0.0039	0.0903	385	0.0215
Aerial Lifts Composite		0.0576	0.1976	0.3249	0.0004	0.0219	34.7	0.0052
Air Compressors	15	0.0129	0.0494	0.0768	0.0001	0.0052	7.2	0.0012
	25	0.0286	0.0779	0.1337	0.0002	0.0087	14.4	0.0026
	50	0.1010	0.2646	0.2310	0.0003	0.0239	22.3	0.0091
	120	0.0891	0.3287	0.5333	0.0006	0.0492	47.0	0.0080
	175	0.1135	0.5074	0.8954	0.0010	0.0512	88.5	0.0102
	250	0.1066	0.3052	1.2194	0.0015	0.0379	131	0.0096
	500	0.1709	0.5726	1.9077	0.0023	0.0623	232	0.0154
	750	0.2681	0.8849	3.0371	0.0036	0.0980	358	0.0242
	1000	0.4533	1.5617	5.4098	0.0049	0.1589	486	0.0409
Air Compressors Composite		0.0984	0.3445	0.6494	0.0007	0.0469	63.6	0.0089
Bore/Drill Rigs	15	0.0120	0.0632	0.0754	0.0002	0.0029	10.3	0.0011
	25	0.0194	0.0658	0.1233	0.0002	0.0054	16.0	0.0017
	50	0.0351	0.2335	0.2768	0.0004	0.0149	31.0	0.0032
	120	0.0514	0.4724	0.5026	0.0009	0.0328	77.1	0.0046
	175	0.0750	0.7538	0.7479	0.0016	0.0366	141	0.0068
	250	0.0838	0.3435	0.8722	0.0021	0.0268	188	0.0076
	500	0.1354	0.5526	1.3152	0.0031	0.0437	311	0.0122
	750	0.2685	1.0916	2.6320	0.0062	0.0865	615	0.0242
	1000	0.4491	1.6773	6.6123	0.0093	0.1699	928	0.0405
Bore/Drill Rigs Composite		0.0854	0.5068	0.9013	0.0017	0.0367	165	0.0077
Cement and Mortar Mixers	15	0.0075	0.0386	0.0475	0.0001	0.0023	6.3	0.0007
	25	0.0293	0.0852	0.1548	0.0002	0.0091	17.6	0.0026
Cement and Mortar Mixers Composite		0.0093	0.0425	0.0564	0.0001	0.0029	7.2	0.0008
Concrete/Industrial Saws	25	0.0199	0.0678	0.1261	0.0002	0.0050	16.5	0.0018
	50	0.1047	0.3015	0.2972	0.0004	0.0268	30.2	0.0094
	120	0.1155	0.4880	0.7625	0.0009	0.0639	74.1	0.0104
	175	0.1685	0.8723	1.4507	0.0018	0.0767	160	0.0152
Concrete/Industrial Saws Composite		0.1090	0.4148	0.5910	0.0007	0.0491	58.5	0.0098
Cranes	50	0.1101	0.2979	0.2478	0.0003	0.0258	23.2	0.0099
	120	0.0982	0.3650	0.5844	0.0006	0.0533	50.1	0.0089
	175	0.1089	0.4838	0.8259	0.0009	0.0479	80.3	0.0098
	250	0.1103	0.3103	1.0712	0.0013	0.0388	112	0.0100
	500	0.1635	0.5691	1.5327	0.0018	0.0571	180	0.0148
	750	0.2767	0.9554	2.6486	0.0030	0.0974	303	0.0250
	9999	0.9905	3.5715	10.9484	0.0098	0.3384	971	0.0894
Cranes Composite		0.1425	0.4946	1.2753	0.0014	0.0553	129	0.0129
Crawler Tractors	50	0.1262	0.3333	0.2713	0.0003	0.0289	24.9	0.0114
	120	0.1374	0.4906	0.8120	0.0008	0.0729	65.8	0.0124
	175	0.1758	0.7491	1.3245	0.0014	0.0765	121	0.0159
	250	0.1854	0.5225	1.7044	0.0019	0.0667	166	0.0167
	500	0.2659	1.0217	2.3914	0.0025	0.0942	259	0.0240
	750	0.4784	1.8248	4.3817	0.0047	0.1705	465	0.0432
	1000	0.7229	2.8959	7.7626	0.0066	0.2503	658	0.0652
Crawler Tractors Composite		0.1671	0.6051	1.2309	0.0013	0.0752	114	0.0151

Table 49
SCAB Fleet Average Emission Factors (Diesel)

2012

Air Basin	SC

Equipment	MaxHP	(lb/hr) ROG	(lb/hr) CO	(lb/hr) NOX	(lb/hr) SOX	(lb/hr) PM	(lb/hr) CO2	(lb/hr) CH4
Crushing/Proc. Equipment	50	0.1927	0.5215	0.4545	0.0006	0.0462	44.0	0.0174
	120	0.1525	0.5829	0.9172	0.0010	0.0851	83.1	0.0138
	175	0.2088	0.9654	1.6343	0.0019	0.0946	167	0.0188
	250	0.1953	0.5592	2.1896	0.0028	0.0682	245	0.0176
	500	0.2733	0.8961	2.9457	0.0037	0.0972	374	0.0247
	750	0.4361	1.3892	4.8387	0.0059	0.1560	589	0.0394
	9999	1.2112	4.0327	14.2648	0.0131	0.4203	1,308	0.1093
Crushing/Proc. Equipment Composite		0.1872	0.6911	1.2633	0.0015	0.0819	132	0.0169
Dumpers/Tenders	25	0.0100	0.0324	0.0614	0.0001	0.0031	7.6	0.0009
Dumpers/Tenders Composite		0.0100	0.0324	0.0614	0.0001	0.0031	7.6	0.0009
Excavators	25	0.0198	0.0677	0.1253	0.0002	0.0048	16.4	0.0018
	50	0.0912	0.2933	0.2568	0.0003	0.0237	25.0	0.0082
	120	0.1183	0.5220	0.7300	0.0009	0.0657	73.6	0.0107
	175	0.1288	0.6678	0.9613	0.0013	0.0569	112	0.0116
	250	0.1301	0.3630	1.2438	0.0018	0.0415	159	0.0117
	500	0.1805	0.5493	1.6112	0.0023	0.0574	234	0.0163
	750	0.3013	0.9096	2.7605	0.0039	0.0969	387	0.0272
Excavators Composite		0.1300	0.5401	0.9817	0.0013	0.0536	120	0.0117
Forklifts	50	0.0514	0.1682	0.1488	0.0002	0.0136	14.7	0.0046
	120	0.0489	0.2195	0.3017	0.0004	0.0277	31.2	0.0044
	175	0.0624	0.3304	0.4664	0.0006	0.0278	56.1	0.0056
	250	0.0595	0.1638	0.5872	0.0009	0.0187	77.1	0.0054
	500	0.0806	0.2241	0.7257	0.0011	0.0252	111	0.0073
Forklifts Composite		0.0585	0.2257	0.4330	0.0006	0.0231	54.4	0.0053
Generator Sets	15	0.0157	0.0698	0.1063	0.0002	0.0061	10.2	0.0014
	25	0.0276	0.0951	0.1632	0.0002	0.0096	17.6	0.0025
	50	0.0959	0.2734	0.2966	0.0004	0.0255	30.6	0.0087
	120	0.1206	0.4956	0.8099	0.0009	0.0640	77.9	0.0109
	175	0.1460	0.7413	1.3131	0.0016	0.0644	142	0.0132
	250	0.1372	0.4502	1.8047	0.0024	0.0508	213	0.0124
	500	0.1952	0.7617	2.5896	0.0033	0.0756	337	0.0176
	750	0.3257	1.2296	4.3019	0.0055	0.1241	544	0.0294
	9999	0.8673	3.0642	10.8871	0.0105	0.3104	1,049	0.0783
Generator Sets Composite		0.0832	0.3121	0.5779	0.0007	0.0351	61.0	0.0075
Graders	50	0.1182	0.3365	0.2882	0.0004	0.0286	27.5	0.0107
	120	0.1348	0.5355	0.8223	0.0009	0.0740	75.0	0.0122
	175	0.1554	0.7363	1.1931	0.0014	0.0688	124	0.0140
	250	0.1575	0.4508	1.5344	0.0019	0.0547	172	0.0142
	500	0.1947	0.6639	1.8193	0.0023	0.0671	229	0.0176
	750	0.4147	1.4022	3.9602	0.0049	0.1439	486	0.0374
Graders Composite		0.1533	0.6129	1.2503	0.0015	0.0649	133	0.0138
Off-Highway Tractors	120	0.2224	0.7269	1.2964	0.0011	0.1143	93.7	0.0201
	175	0.2135	0.8404	1.6085	0.0015	0.0923	130	0.0193
	250	0.1718	0.4896	1.5282	0.0015	0.0644	130	0.0155
	750	0.6814	3.0883	6.1417	0.0057	0.2515	568	0.0615
	1000	1.0246	4.8137	10.5080	0.0082	0.3620	814	0.0924
Off-Highway Tractors Composite		0.2170	0.7878	1.7969	0.0017	0.0871	151	0.0196
Off-Highway Trucks	175	0.1533	0.7593	1.1072	0.0014	0.0666	125	0.0138
	250	0.1469	0.3944	1.3513	0.0019	0.0461	167	0.0133
	500	0.2263	0.6661	1.9463	0.0027	0.0705	272	0.0204
	750	0.3695	1.0792	3.2612	0.0044	0.1164	442	0.0333
	1000	0.5790	1.7854	6.4025	0.0063	0.1933	625	0.0522
Off-Highway Trucks Composite		0.2241	0.6635	2.0158	0.0027	0.0715	260	0.0202

Table 49

SCAB Fleet Average Emission Factors (Diesel)

2012

Air Basin	SC

Equipment	MaxHP	(lb/hr) ROG	(lb/hr) CO	(lb/hr) NOX	(lb/hr) SOX	(lb/hr) PM	(lb/hr) CO2	(lb/hr) CH4
Other Construction Equipment	15	0.0118	0.0617	0.0737	0.0002	0.0028	10.1	0.0011
	25	0.0160	0.0544	0.1019	0.0002	0.0044	13.2	0.0014
	50	0.0842	0.2740	0.2707	0.0004	0.0228	28.0	0.0076
	120	0.1104	0.5320	0.7540	0.0009	0.0633	80.9	0.0100
	175	0.1008	0.5880	0.8599	0.0012	0.0467	107	0.0091
	500	0.1517	0.5426	1.6573	0.0025	0.0545	254	0.0137
Other Construction Equipment Composite		0.0925	0.3847	0.8599	0.0013	0.0366	123	0.0083
Other General Industrial Equipment	15	0.0066	0.0391	0.0466	0.0001	0.0018	6.4	0.0006
	25	0.0185	0.0632	0.1170	0.0002	0.0045	15.3	0.0017
	50	0.1085	0.2856	0.2332	0.0003	0.0253	21.7	0.0098
	120	0.1274	0.4542	0.7277	0.0007	0.0703	62.0	0.0115
	175	0.1349	0.5757	1.0001	0.0011	0.0599	95.9	0.0122
	250	0.1235	0.3281	1.2983	0.0015	0.0417	136	0.0111
	500	0.2232	0.6772	2.2367	0.0026	0.0758	265	0.0201
	750	0.3707	1.1162	3.8016	0.0044	0.1273	437	0.0334
	1000	0.5621	1.8453	6.4018	0.0056	0.1947	560	0.0507
Other General Industrial Equipmen Composite		0.1635	0.5362	1.4520	0.0016	0.0632	152	0.0148
Other Material Handling Equipment	50	0.1506	0.3950	0.3243	0.0004	0.0352	30.3	0.0136
	120	0.1239	0.4423	0.7103	0.0007	0.0684	60.7	0.0112
	175	0.1703	0.7292	1.2706	0.0014	0.0759	122	0.0154
	250	0.1305	0.3496	1.3863	0.0016	0.0443	145	0.0118
	500	0.1590	0.4876	1.6124	0.0019	0.0545	192	0.0143
	9999	0.7467	2.4395	8.4619	0.0073	0.2565	741	0.0674
Other Material Handling Equipment Composite		0.1566	0.5108	1.4125	0.0015	0.0613	141	0.0141
Pavers	25	0.0255	0.0811	0.1531	0.0002	0.0080	18.7	0.0023
	50	0.1451	0.3680	0.3038	0.0004	0.0327	28.0	0.0131
	120	0.1467	0.5107	0.8788	0.0008	0.0776	69.2	0.0132
	175	0.1864	0.7833	1.4495	0.0014	0.0819	128	0.0168
	250	0.2182	0.6365	2.0698	0.0022	0.0818	194	0.0197
	500	0.2383	0.9957	2.2418	0.0023	0.0883	233	0.0215
Pavers Composite		0.1596	0.5445	0.8980	0.0009	0.0642	77.9	0.0144
Paving Equipment	25	0.0153	0.0520	0.0974	0.0002	0.0042	12.6	0.0014
	50	0.1239	0.3124	0.2591	0.0003	0.0279	23.9	0.0112
	120	0.1150	0.3997	0.6897	0.0006	0.0610	54.5	0.0104
	175	0.1455	0.6114	1.1384	0.0011	0.0640	101	0.0131
	250	0.1349	0.3946	1.2976	0.0014	0.0507	122	0.0122
Paving Equipment Composite		0.1204	0.4365	0.8114	0.0008	0.0570	68.9	0.0109
Plate Compactors	15	0.0050	0.0263	0.0314	0.0001	0.0013	4.3	0.0005
Plate Compactors Composite		0.0050	0.0263	0.0314	0.0001	0.0013	4.3	0.0005
Pressure Washers	15	0.0075	0.0334	0.0509	0.0001	0.0029	4.9	0.0007
	25	0.0112	0.0385	0.0662	0.0001	0.0039	7.1	0.0010
	50	0.0349	0.1074	0.1339	0.0002	0.0102	14.3	0.0032
	120	0.0332	0.1458	0.2385	0.0003	0.0172	24.1	0.0030
Pressure Washers Composite		0.0173	0.0635	0.0921	0.0001	0.0063	9.4	0.0016
Pumps	15	0.0133	0.0508	0.0790	0.0001	0.0054	7.4	0.0012
	25	0.0386	0.1051	0.1803	0.0002	0.0117	19.5	0.0035
	50	0.1155	0.3229	0.3362	0.0004	0.0299	34.3	0.0104
	120	0.1250	0.5036	0.8226	0.0009	0.0669	77.9	0.0113
	175	0.1498	0.7431	1.3164	0.0016	0.0664	140	0.0135
	250	0.1357	0.4345	1.7375	0.0023	0.0501	201	0.0122
	500	0.2089	0.8032	2.6861	0.0034	0.0803	345	0.0188
	750	0.3557	1.3279	4.5700	0.0057	0.1350	571	0.0321
	9999	1.1456	4.0641	14.2305	0.0136	0.4081	1,355	0.1034

Table 49

SCAB Fleet Average Emission Factors (Diesel)

2012

Air Basin	SC

Equipment	MaxHP	(lb/hr) ROG	(lb/hr) CO	(lb/hr) NOX	(lb/hr) SOX	(lb/hr) PM	(lb/hr) CO2	(lb/hr) CH4
Pumps Composite		0.0813	0.2983	0.4999	0.0006	0.0351	49.6	0.0073
Rollers	15	0.0074	0.0386	0.0461	0.0001	0.0018	6.3	0.0007
	25	0.0162	0.0549	0.1029	0.0002	0.0045	13.3	0.0015
	50	0.1105	0.2994	0.2677	0.0003	0.0263	26.0	0.0100
	120	0.1054	0.4098	0.6619	0.0007	0.0574	59.0	0.0095
	175	0.1320	0.6220	1.0725	0.0012	0.0591	108	0.0119
	250	0.1347	0.4083	1.4103	0.0017	0.0498	153	0.0122
	500	0.1755	0.6752	1.8093	0.0022	0.0652	219	0.0158
Rollers Composite		0.1038	0.4107	0.6936	0.0008	0.0488	67.1	0.0094
Rough Terrain Forklifts	50	0.1315	0.3910	0.3455	0.0004	0.0330	33.9	0.0119
	120	0.1038	0.4364	0.6425	0.0007	0.0585	62.4	0.0094
	175	0.1444	0.7268	1.1204	0.0014	0.0652	125	0.0130
	250	0.1353	0.3896	1.4082	0.0019	0.0458	171	0.0122
	500	0.1894	0.5985	1.8577	0.0025	0.0642	257	0.0171
Rough Terrain Forklifts Composite		0.1093	0.4680	0.6995	0.0008	0.0587	70.3	0.0099
Rubber Tired Dozers	175	0.2209	0.8528	1.6304	0.0015	0.0945	129	0.0199
	250	0.2545	0.7124	2.1985	0.0021	0.0942	183	0.0230
	500	0.3345	1.5220	2.8822	0.0026	0.1210	265	0.0302
	750	0.5042	2.2809	4.4100	0.0040	0.1832	399	0.0455
	1000	0.7807	3.6654	7.7816	0.0060	0.2729	592	0.0704
Rubber Tired Dozers Composite		0.3114	1.2491	2.6866	0.0025	0.1137	239	0.0281
Rubber Tired Loaders	25	0.0205	0.0697	0.1295	0.0002	0.0052	16.9	0.0018
	50	0.1315	0.3756	0.3242	0.0004	0.0319	31.1	0.0119
	120	0.1045	0.4187	0.6404	0.0007	0.0576	58.9	0.0094
	175	0.1312	0.6288	1.0135	0.0012	0.0583	106	0.0118
	250	0.1330	0.3838	1.3129	0.0017	0.0462	149	0.0120
	500	0.1961	0.6755	1.8555	0.0023	0.0677	237	0.0177
	750	0.4044	1.3812	3.9115	0.0049	0.1408	486	0.0365
	1000	0.5480	1.9543	6.3337	0.0060	0.1909	594	0.0494
Rubber Tired Loaders Composite		0.1272	0.4855	1.0034	0.0012	0.0558	109	0.0115
Scrapers	120	0.1990	0.7011	1.1749	0.0011	0.1054	93.9	0.0180
	175	0.2172	0.9158	1.6429	0.0017	0.0945	148	0.0196
	250	0.2367	0.6699	2.1849	0.0024	0.0859	209	0.0214
	500	0.3333	1.3000	3.0162	0.0032	0.1190	321	0.0301
	750	0.5779	2.2380	5.3231	0.0056	0.2075	555	0.0521
Scrapers Composite		0.2916	1.0984	2.5680	0.0027	0.1087	262	0.0263
Signal Boards	15	0.0072	0.0377	0.0450	0.0001	0.0017	6.2	0.0006
	50	0.1270	0.3587	0.3564	0.0005	0.0324	36.2	0.0115
	120	0.1284	0.5269	0.8360	0.0009	0.0703	80.2	0.0116
	175	0.1661	0.8370	1.4268	0.0017	0.0750	155	0.0150
	250	0.1746	0.5516	2.1599	0.0029	0.0639	255	0.0158
Signal Boards Composite		0.0203	0.0940	0.1470	0.0002	0.0083	16.7	0.0018
Skid Steer Loaders	25	0.0211	0.0635	0.1189	0.0002	0.0067	13.8	0.0019
	50	0.0596	0.2332	0.2402	0.0003	0.0180	25.5	0.0054
	120	0.0482	0.2769	0.3536	0.0005	0.0286	42.8	0.0043
Skid Steer Loaders Composite		0.0534	0.2360	0.2686	0.0004	0.0207	30.3	0.0048
Surfacing Equipment	50	0.0513	0.1441	0.1411	0.0002	0.0128	14.1	0.0046
	120	0.1040	0.4251	0.6895	0.0007	0.0557	63.8	0.0094
	175	0.0950	0.4745	0.8195	0.0010	0.0422	85.8	0.0086
	250	0.1095	0.3526	1.1993	0.0015	0.0413	135	0.0099
	500	0.1631	0.6813	1.7819	0.0022	0.0622	221	0.0147
	750	0.2601	1.0660	2.8642	0.0035	0.0986	347	0.0235
Surfacing Equipment Composite		0.1362	0.5467	1.3678	0.0017	0.0512	166	0.0123

Table 49

SCAB Fleet Average Emission Factors (Diesel)

2012

Air Basin	SC

Equipment	MaxHP	(lb/hr) ROG	(lb/hr) CO	(lb/hr) NOX	(lb/hr) SOX	(lb/hr) PM	(lb/hr) CO2	(lb/hr) CH4
Sweepers/Scrubbers	15	0.0124	0.0729	0.0870	0.0002	0.0034	11.9	0.0011
	25	0.0237	0.0808	0.1501	0.0002	0.0060	19.6	0.0021
	50	0.1195	0.3565	0.3179	0.0004	0.0302	31.6	0.0108
	120	0.1233	0.5204	0.7534	0.0009	0.0706	75.0	0.0111
	175	0.1575	0.8008	1.2212	0.0016	0.0717	139	0.0142
	250	0.1205	0.3447	1.3019	0.0018	0.0402	162	0.0109
Sweepers/Scrubbers Composite		0.1278	0.5215	0.7403	0.0009	0.0576	78.5	0.0115
Tractors/Loaders/Backhoes	25	0.0199	0.0662	0.1250	0.0002	0.0061	15.9	0.0018
	50	0.1006	0.3305	0.3030	0.0004	0.0267	30.3	0.0091
	120	0.0760	0.3557	0.4910	0.0006	0.0432	51.7	0.0069
	175	0.1058	0.5866	0.8294	0.0011	0.0478	101	0.0095
	250	0.1264	0.3755	1.2813	0.0019	0.0415	172	0.0114
	500	0.2386	0.7714	2.2621	0.0039	0.0784	345	0.0215
	750	0.3611	1.1563	3.5105	0.0058	0.1199	517	0.0326
Tractors/Loaders/Backhoes Composite		0.0862	0.3824	0.5816	0.0008	0.0435	66.8	0.0078
Trenchers	15	0.0099	0.0517	0.0617	0.0001	0.0024	8.5	0.0009
	25	0.0398	0.1355	0.2519	0.0004	0.0101	32.9	0.0036
	50	0.1656	0.4176	0.3536	0.0004	0.0374	32.9	0.0149
	120	0.1354	0.4732	0.8257	0.0008	0.0709	64.9	0.0122
	175	0.2050	0.8694	1.6306	0.0016	0.0901	144	0.0185
	250	0.2483	0.7418	2.3854	0.0025	0.0951	223	0.0224
	500	0.3135	1.4011	3.0220	0.0031	0.1190	311	0.0283
	750	0.5949	2.6307	5.8034	0.0059	0.2259	587	0.0537
Trenchers Composite		0.1507	0.4749	0.6995	0.0007	0.0582	58.7	0.0136
Welders	15	0.0111	0.0425	0.0660	0.0001	0.0045	6.2	0.0010
	25	0.0224	0.0609	0.1044	0.0001	0.0068	11.3	0.0020
	50	0.1071	0.2854	0.2637	0.0003	0.0260	26.0	0.0097
	120	0.0708	0.2687	0.4376	0.0005	0.0387	39.5	0.0064
	175	0.1183	0.5475	0.9688	0.0011	0.0531	98.2	0.0107
	250	0.0909	0.2704	1.0791	0.0013	0.0329	119	0.0082
	500	0.1154	0.4072	1.3538	0.0016	0.0431	168	0.0104
Welders Composite		0.0703	0.2150	0.2702	0.0003	0.0243	25.6	0.0063

Source: File offroadEF07_25.xls, downloaded from http://www.aqmd.gov/ceqa/handbook/offroad/offroad.html

Table 50

Highest (Most Conservative) EMFAC2007 (version 2.3) Emission Factors for On-Road Passenger Vehicles & Delivery Trucks

Projects in the SCAQMD (Scenario Years 2007 - 2026)

Derived from Peak Emissions Inventory (**Winter**, **Annual**, **Summer**)

Vehicle Class:

Passenger Vehicles (<8500 pounds) & Delivery Trucks (>8500 pounds)

The following emission factors were compiled by running the California Air Resources Board's EMFAC2007 (version 2.3) Burden Model, taking the weighted average of vehicle types and simplifying into two categories: **Passenger Vehicles & Delivery Trucks.**

These emission factors can be used to calculate on-road mobile source emissions for the vehicle categories listed in the tables below, by use of the following equation:

Emissions (pounds per day) = N x TL x EF

where N = number of trips, TL = trip length (miles/day), and EF = emission factor (pounds per mile)

This methodology replaces the old EMFAC emission factors in Tables A-9-5-J-1 through A-9-5-L in Appendix A9 of the current SCAQMD CEQA Handbook. All the emission factors account for the emissions from start, running and idling exhaust. In addition, the ROG emission factors include diurnal, hot soak, running and resting emissions, and the PM10 & PM2.5 emission factors include tire and brake wear.

Scenario Year: **2012**

All model years in the range 1968 to 2012

Passenger Vehicles (pounds/mile)	
CO	0.00765475
NOx	0.00077583
ROG	0.00079628
SOx	0.00001073
PM10	0.00008979
PM2.5	0.00005750
CO2	1.10152540
CH4	0.00007169

Delivery Trucks (pounds/mile)	
CO	0.01545741
NOx	0.01732423
ROG	0.00223776
SOx	0.00002667
PM10	0.00064975
PM2.5	0.00054954
CO2	2.76628414
CH4	0.00010668

Source: File onroadEF07_26.xls, downloaded from http://www.aqmd.gov/ceqa/handbook/onroad/onroad.html

Table 51

Highest (Most Conservative) EMFAC2007 (version 2.3) Emission Factors for On-Road Heavy-Heavy-Duty Diesel Trucks

Projects in the SCAQMD (Scenario Years 2007 - 2026)

Derived from Peak Emissions Inventory (**Winter**, **Annual**, **Summer**)

Vehicle Class:

Heavy-Heavy-Duty Diesel Trucks (33,001 to 60,000 pounds)

The following emission factors were compiled by running the California Air Resources Board's EMFAC2007 (version 2.3) Burden Model and extracting the **Heavy-Heavy-Duty Diesel Truck (HHDT)** Emission Factors.

These emission factors can be used to calculate on-road mobile source emissions for the vehicle/emission categories listed in the tables below, by use of the following equation:

Emissions (pounds per day) = N x TL x EF

where N = number of trips, TL = trip length (miles/day), and EF = emission factor (pounds per mile)

The **HHDT-DSL** vehicle/emission category accounts for all emissions from heavy-heavy-duty diesel trucks, including start, running and idling exhaust. In addition, ROG emission factors account for diurnal, hot soak, running and resting emissions, and the PM10 & PM2.5 emission factors account for tire and brake wear.

The **HHDT-DSL, Exh** vehicle/emission category includes only the exhaust portion of PM10 & PM2.5 emissions from heavy-heavy-duty diesel trucks.

Scenario Year: **2012**

All model years in the range 1968 to 2012

HHDT-DSL (pounds/mile)	
CO	**0.01021519**
NOx	**0.03092379**
ROG	**0.00252764**
SOx	**0.00004042**
PM10	**0.00149566**
PM2.5	**0.00129354**
CO2	**4.21590774**
CH4	**0.00011651**

HHDT-DSL, Exh (pounds/mile)	
PM10	**0.00135537**
PM2.5	**0.00124837**

Source: File onroadEFHHDT07_26.xls, downloaded from http://www.aqmd.gov/ceqa/handbook/onroad/onroad.html

Table 52
Motor Vehicle Entrained Road Dust Emission Factors

Vehicle Type	Surface	Silt Loading (sL, g/m2) or Silt Content (s, %)[a]	Average Weight (W) (tons)[b]	Un-controlled PM10 Emission Factor (lb/VMT)[c]	Un-controlled PM2.5 Emission Factor (lb/VMT)[c]	Control Efficiency (%)[d]	Controlled PM10 Emission Factor (lb/VMT)[e]	Controlled PM2.5 Emission Factor (lb/VMT)[e]
1/2-Ton Pick-up Truck, 4x4	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
1/2-Ton Pick-up Truck, 4x4	Unpaved	7.5	3.2	1.01E+00	1.01E-01	55%	4.55E-01	4.55E-02
10-cu. yd. Concrete Mixer Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
10-cu. yd. Concrete Mixer Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
10-cu. yd. Dump Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
10-cu. yd. Dump Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
1-Ton Crew Cab Flat Bed, 4x4	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
1-Ton Crew Cab Flat Bed, 4x4	Unpaved	7.5	5	1.24E+00	1.24E-01	55%	5.56E-01	5.56E-02
1-Ton Crew Cab, 4x4	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
1-Ton Crew Cab, 4x4	Unpaved	7.5	5	1.24E+00	1.24E-01	55%	5.56E-01	5.56E-02
3/4-Ton Pick-up Truck, 4x4	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
3/4-Ton Pick-up Truck, 4x4	Unpaved	7.5	3.2	1.01E+00	1.01E-01	55%	4.55E-01	4.55E-02
40' Flat Bed Truck/Trailer	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
40' Flat Bed Truck/Trailer	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Asphalt Delivery Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Asphalt Delivery Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Carry-all Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Carry-all Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Concrete Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Concrete Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Crew Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Crew Truck	Unpaved	7.5	5	1.24E+00	1.24E-01	55%	5.56E-01	5.56E-02
Crew Vehicle	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Crew Vehicle	Unpaved	7.5	5	1.24E+00	1.24E-01	55%	5.56E-01	5.56E-02
Crewcab Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Crewcab Truck	Unpaved	7.5	5	1.24E+00	1.24E-01	55%	5.56E-01	5.56E-02
Crushed Rock Delivery Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Crushed Rock Delivery Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Dump Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Dump Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Dump Truck (Trash)	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Dump Truck (Trash)	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Extendable Flat Bed Pole Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Extendable Flat Bed Pole Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Flat Bed Truck/Trailer	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Flat Bed Truck/Trailer	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Flatbed Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Flatbed Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Fuel, Helicopter Support Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Fuel, Helicopter Support Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Low Bed Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Low Bed Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Lowboy Truck/Trailer	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Lowboy Truck/Trailer	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Maintenance Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Maintenance Truck	Unpaved	7.5	10	1.69E+00	1.69E-01	55%	7.60E-01	7.60E-02
Reel Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Reel Truck	Unpaved	7.5	10	1.69E+00	1.69E-01	55%	7.60E-01	7.60E-02
Stake Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Stake Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Truck, Semi Tractor	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Truck, Semi Tractor	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Van	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00

Table 52
Motor Vehicle Entrained Road Dust Emission Factors

Vehicle Type	Surface	Silt Loading (sL, g/m2) or Silt Content (s, %)[a]	Average Weight (W) (tons)[b]	Un-controlled PM10 Emission Factor (lb/VMT)[c]	Un-controlled PM2.5 Emission Factor (lb/VMT)[c]	Control Efficiency (%)[d]	Controlled PM10 Emission Factor (lb/VMT)[e]	Controlled PM2.5 Emission Factor (lb/VMT)[e]
Van	Unpaved	7.5	3.2	1.01E+00	1.01E-01	55%	4.55E-01	4.55E-02
Water Truck	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Water Truck	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Wire Truck/Trailer	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Wire Truck/Trailer	Unpaved	7.5	17	2.14E+00	2.14E-01	55%	9.65E-01	9.65E-02
Worker Commute	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Worker Commute	Unpaved	7.5	3.2	1.01E+00	1.01E-01	55%	4.55E-01	4.55E-02
Transmission Line Inspection	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Transmission Line Inspection	Unpaved	7.5	3.2	1.01E+00	1.01E-01	55%	4.55E-01	4.55E-02
Subtransmission Line Inspection	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Subtransmission Line Inspection	Unpaved	7.5	3.2	1.01E+00	1.01E-01	55%	4.55E-01	4.55E-02
Substation Site Visit	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Substation Site Visit	Unpaved	7.5	3.2	1.01E+00	1.01E-01	55%	4.55E-01	4.55E-02
Transmission Line Inspection	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Transmission Line Inspection	Unpaved	7.5	3.2	1.01E+00	1.01E-01	55%	4.55E-01	4.55E-02
Subtransmission Line Inspection	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Subtransmission Line Inspection	Unpaved	7.5	3.2	1.01E+00	1.01E-01	55%	4.55E-01	4.55E-02
Substation Site Visit	Paved	0.035	3.2	8.01E-04	0.00E+00	0%	8.01E-04	0.00E+00
Substation Site Visit	Unpaved	7.5	3.2	1.01E+00	1.01E-01	55%	4.55E-01	4.55E-02

[a] Paved road silt loading from ARB Emission Inventory Methodology 7.9, Entrained Paved Road Dust (1997) for collector roads, http://www.arb.ca.gov/ei/areasrc/fullpdf/full7-9.pdf
Unpaved road silt content from SCAQMD CEQA Handbook, (1993) Table A9-9-E-1 for overburden

[b] Average paved on-road vehicle weight in Riverside County from ARB Emission Inventory Methodology 7.9, Entrained Paved Road Dust (1997)
Unpaved worker commuting weight on access road assumed to be same as paved road weight
Unpaved weight for other trucks is based on upper limit of 33,000 lbs for medium heavy-duty trucks.

[c] Equations:

$EF(paved) = k_p (sL/2)^{0.65} (W/3)^{1.5} - C$ Ref: AP-42, Section 13.2.1, "Paved Rods," November 2006

$EF (unpaved) = k_u (s/12)^a (W/3)^b$ Ref: AP-42, Section 13.2.2, "Unpaved Rods," November 2006

Constants:

k_p =	0.016	(Particle size multiplier for PM10)
	0.0024	(Particle size multiplier for PM2.5)
C =	0.00047	(Exhaust, brake wear and tire wear adjustment, PM10)
	0.00036	(Exhaust, brake wear and tire wear adjustment, PM2.5)
k_u =	1.5	(Particle size multiplier for PM)
	0.15	(Particle size multiplier for PM2.5)
a =	0.9	for PM10
	0.9	for PM2.5
b =	0.45	for PM10
	0.45	for PM2.5

[d] Control efficiency from watering unpaved roads twice per day, from Table XI-D, Mitigation Measure Exmaples, Fugitive Dust from Unpaved Roads, http://www.aqmd.gov/ceqa/handbook/mitigation/fugitive/MM_fugitive.html

[e] Controlled emission factor [lb/mi] = Uncontrolled emission factor [lb/mi] x (1 - Control efficiency [%] / 100)

Appendix I

APPENDIX I

[redacted]

Environmental FirstSearch™ Report

Target Property:

14116 TEMESCAL CANYON ROAD

LAKE ELSINORE CA 92530

Job Number: ALBERHILL

PREPARED FOR:

Southern California Edison

2244 Walnut Grove Ave.

Rosemead, CA 91770

06-08-09

Tel: (866) 664-9981 *Fax: (818) 249-4227*

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Environmental FirstSearch
Search Summary Report

Target Site: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	04-07-09	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	04-07-09	0.50	0	0	0	0	-	0	0
CERCLIS	Y	01-09-09	0.50	0	0	0	0	-	0	0
NFRAP	Y	01-09-09	0.50	0	0	0	0	-	0	0
RCRA COR ACT	Y	05-13-09	1.00	0	0	0	0	0	0	0
RCRA TSD	Y	05-13-09	0.50	0	0	0	0	-	0	0
RCRA GEN	Y	05-13-09	0.25	0	0	0	-	-	5	5
RCRA NLR	Y	05-13-09	0.12	0	0	-	-	-	0	0
Federal IC / EC	Y	03-02-09	0.25	0	0	0	-	-	0	0
ERNS	Y	03-03-09	0.12	0	0	-	-	-	22	22
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	3	3
State/Tribal Sites	Y	01-16-09	1.00	0	0	0	0	0	11	11
State Spills 90	Y	05-22-09	0.12	0	0	-	-	-	2	2
State/Tribal SWL	Y	04-27-09	0.50	0	0	0	0	-	5	5
State/Tribal LUST	Y	04-28-09	0.50	0	0	0	0	-	1	1
State/Tribal UST/AST	Y	05-13-09	0.25	0	0	0	-	-	2	2
State/Tribal EC	Y	NA	0.25	0	0	0	-	-	0	0
State/Tribal IC	Y	05-13-09	0.25	0	0	0	-	-	0	0
State/Tribal VCP	Y	01-16-09	0.50	0	0	0	0	-	1	1
State/Tribal Brownfields	Y	08-08-07	0.50	0	0	0	0	-	0	0
Floodplains	Y	09-01-98	1.00	0	0	0	0	0	0	0
State Permits	Y	04-16-08	0.25	0	0	0	-	-	25	25
State Other	Y	05-05-09	0.25	0	0	0	-	-	13	13
Oil & Gas Wells	Y	01-08-01	1.00	0	0	0	0	0	0	0
- TOTALS -				0	0	0	0	0	90	90

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services's services proceeding are signifying an understanding of TRACK Info Services's searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

Environmental FirstSearch
Site Information Report

Request Date:	06-08-09	**Search Type:**	COORD
Requestor Name:	Phuong K. Tran	**Job Number:**	ALBERHILL
Standard:	ASTM-05		

Target Site: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

Demographics

Sites:	90	**Nou-Geocoded:**	90	**Population:**	NA
Radon:	NA				

Site Location

	Degrees (Decimal)	**Degrees (Min/Sec)**		**UTMs**
Longitude:	-117.414011	-117:24:50	**Easting:**	461647.44
Latitude:	33.73446	33:44:4	**Northing:**	3732597.427
			Zone:	11

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)

ZIP Code	City Name	ST	Dist/Dir	Sel
92570	PERRIS	CA	0.49 NE	Y
92883	CORONA	CA	0.00 --	Y

Services:

	Requested?	Date
Sanborns	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search/Env Liens	No	
Municipal Reports	No	
Online Topos	No	

Environmental FirstSearch
Sites Summary Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

TOTAL: 90 **GEOCODED:** 0 **NON GEOCODED:** 90 **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
1	ERNS	418665/HIGHWAY RELATED	PALM AND RYAN STS LAKE ELSINORE CA 92530	NON GC	
3	ERNS	UNKNOWN 338407/UNKNOWN (NRC)	LAKE ST NORTH OF I-15 LAKE ELSINORE CA 92530	NON GC	
4	ERNS	UNKNOWN 497853/UNKNOWN (EPA REGIONS	ON REINDEER PLACE, 1/4 MILE LAKE ELSINORE CA 92530	NON GC	
5	ERNS	UNKNOWN 497691/UNKNOWN (NRC)	32385 BLACKWELL ST. LAKELAND VILLA CA 92530	NON GC	
6	ERNS	UNKNOWN 334090/HIGHWAY RELATED	CORYDONT PALOMAR LAKE ELSINORE CA 92530	NON GC	
7	ERNS	UNKNOWN 512974/UNKNOWN (NRC)	1 MILE NORTH OF COLLIER AND LAKE ELSINORE CA	NON GC	
8	ERNS	UNKNOWN 334012/HIGHWAY RELATED	NICHOLS RD E OF I-15 LAKE ELSINORE CA	NON GC	
9	ERNS	UNKNOWN 497860/FIXED FACILITY	TRAVEL LODGE RM 221, 31610 LAKE ELSINORE CA 92530	NON GC	
10	ERNS	UNKNOWN(DUMPED) 14679/UNKNOWN	HWY 74 HEMMERICK LAKE ELSINORE CA	NON GC	
11	ERNS	UNKNOWN 486592/UNKNOWN (EPA REGIONS	1/4 MILE W. OF THE JUNCTION LAKE ELSINORE CA 92530	NON GC	
12	ERNS	526204/UNKNOWN (EPA REGIONS	ELLIE WAY AT EL TORRO RD LAKE ELSINORE CA 92530	NON GC	
13	ERNS	UNKNOWN 273537/HIGHWAY RELATED	EL SAISO TRUCK TRAILS AND T LAKE ELSINORE CA	NON GC	
15	ERNS	UNK(DUMPED) 73246/UNKNOWN	NB RIVERSIDE I5 BUNDY CAN LAKE ELSINORE CA	NON GC	
15	ERNS	HOMSTEAD LAND DEVEL.(C.TAYLOR) 74166/UNKNOWN	IN SAN JANCIENTO RIVER LAKE ELSINORE CA	NON GC	
16	ERNS	EPMAR 395679/UNKNOWN	HWY 74 2 MI WEST OF GRAND A LAKE ELSINORE CA	NON GC	
16	ERNS	ELSINORE VALLEY WATER DISTRICT 534028/PIPELINE RELATED	LAKESHORE DRIVE LAKE ELSINORE CA	NON GC	
17	ERNS	UNKNOWN 492953/FIXED FACILITY	28460 YUCCA RD LAKE ELSINORE CA 92530	NON GC	
18	ERNS	UNKNOWN 497616/FIXED FACILITY	21140 B. VINE ST. LAKE ELSINORE CA 92530	NON GC	
19	ERNS	UNKNOWN 497813/FIXED FACILITY	212111/2 PENNY LANE LAKE ELSINORE CA 92530	NON GC	
20	ERNS	UNKNOWN 343393/FIXED FACILITY	21631 MAPLE LAKE ELSINORE CA 92530	NON GC	

Environmental FirstSearch
Sites Summary Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

TOTAL: 90 **GEOCODED:** 0 **NON GEOCODED:** 90 **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
21	ERNS	UNKNOWN 525822/UNKNOWN (EPA REGIONS	23500 HOLLAND CROSS OFF COT LAKE ELSINORE CA 92530	NON GC	
22	ERNS	COCA-COLA CO. 162023/HIGHWAY RELATED	N. BOUND LANE OF I-15 RAILR LAKE ELSINORE CA	NON GC	
23	LUST	ARCO 1250 T0606572843/OPEN - SITE ASSESSME	403 D ST PERRIS CA 92570	NON GC	
26	OTHER	SYCAMORE CREEK ELEMENTARY CAL33010097/NO FURTHER ACTION	TEMESCAL CANYON/MAITRI ROAD CORONA CA 92883	NON GC	
27	OTHER	A LUA WOOD RECYCLING RICOGEN_1377/NOT REPORTED	18938 MERMACK RD LAKE ELSINORE CA 92530	NON GC	
27	OTHER	SYNAGRO COMPOSTING OF CALIF INC. RICOGEN_840/NOT REPORTED	10490 DAWSON CANYON RD CORONA CA 92883	NON GC	
28	OTHER	ELSINORE HIGH SCHOOL RICOGEN_1391/NOT REPORTED	21800 CANYON DR LAKE ELSINORE CA 92530	NON GC	
28	OTHER	Z BEST BODY AND PAINT RICOGEN_1341/NOT REPORTED	18357 PASADENA LAKE ELSINORE CA 92530	NON GC	
29	OTHER	PRIMOS AUTO REPAIR RICOGEN_1364/NOT REPORTED	29350 HUNCO WY LAKE ELSINORE CA 92530	NON GC	
30	OTHER	ORTEGA HIGH SCHOOL/ALTERNATIVE EDU CAL33010008/NO FURTHER ACTION	CHANEY STREET LAKE ELSINORE CA 92530	NON GC	
32	OTHER	INTERNATIONAL AUTO CRAFTERS RICOGEN_1379/NOT REPORTED	29385 HUNCO WY LAKE ELSINORE CA 92530	NON GC	
32	OTHER	ELSINORE USD (TRANSPORTATION) RICOGEN_1374/NOT REPORTED	21641 BUNDY CYN RD LAKE ELSINORE CA 92530	NON GC	
33	OTHER	ELSINORE USD (GROUNDS SHOP) RICOGEN_1387/NOT REPORTED	LEWIS ST and GRAHAM AVE LAKE ELSINORE CA 92530	NON GC	
34	OTHER	ELSINORE HIGH SCHOOL NO. 4 CAL33010016/NO FURTHER ACTION	GRAND AVENUE/RIVERSIDE DRIV LAKE ELSINORE CA 92530	NON GC	
36	OTHER	ELSINORE ELEMENTARY SCHOOL ANNEX CAL33550001/NO FURTHER ACTION	PN. LANGSTAFF STREET/POE STR LAKE ELSINORE CA 92530	NON GC	
37	OTHER	TEMESCAL CANYON ELEMENTARY CAL33010021/NO FURTHER ACTION	CLAYSTONE AVENUE/NICKELLAUS CORONA CA 92883	NON GC	
39	PERMITS	KARHAY LLC DBA LAKE ELSINORE FORD CAL000328366/ACTIVE	1358 CAMBELL ST LAKE ELSINORE CA 92530	NON GC	
39	PERMITS	ELECTRICAL SERVICES CORPORATION CAL000324427/ACTIVE	18550 MINTHORN ST LAKE ELSINORE CA 92530	NON GC	
40	PERMITS	EVOLUTION MACHINE CAL000319879/ACTIVE	18570 PASADENA ST LAKE ELSINORE CA 92530	NON GC	
41	PERMITS	FIRESTONE STORE 2238 CAL000036200/ACTIVE	31748 MISSION TRAIL RD LAKE ELSINORE CA 92530	NON GC	

Environmental FirstSearch
Sites Summary Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

TOTAL: 90 **GEOCODED:** 0 **NON GEOCODED:** 90 **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
42	PERMITS	MASTER FAB INC CAL000274143/ACTIVE	9210 STELLAR CT CORONA CA 92883	NON GC	
42	PERMITS	FUSION DISPLAY and DESIGN INC CAL000307740/ACTIVE	29380 HUNCO WAY LAKE ELSINORE CA 92530	NON GC	
43	PERMITS	THE RETREAT GOLF and COUNTRY CLUB CAL000314538/ACTIVE	8007 SOFT WINDS DR CORONA CA 92883	NON GC	
44	PERMITS	INTERNATIONAL AUTO CRAFTERS II CAL000205581/ACTIVE	29385 HUNCO WAY LAKE ELSINORE CA 92530	NON GC	
45	PERMITS	TRILOGY GOLF CLUB CAL000285594/ACTIVE	24400 TRILOGY PKWY RIVERSIDE CA 92883	NON GC	
46	PERMITS	VONS FUEL 2818 CAL000324557/ACTIVE	11810 DE PALMA RD CORONA CA 92883	NON GC	
47	PERMITS	SLENNA RIDGE CAL000297469/ACTIVE	8239 SANCTUARY DR CORONA CA 92883	NON GC	
48	PERMITS	SPECTRA COLOR INC CAL000291667/ACTIVE	9116 STELLAR CT CORONA CA 92883	NON GC	
48	PERMITS	THE LINKS SUMMERLY CAL000314518/INACTIVE	18750 MALAGA RD LAKE ELSINORE CA 92530	NON GC	
49	PERMITS	SYNAGRO WEST CAL000289378/ACTIVE	10490 DAWSON CANYON RD CORONA CA 92883	NON GC	
49	PERMITS	EAGLE GLEN MOBIL CAL000307032/ACTIVE	2261 EAGLE GLEN PKWY CORONA CA 92883	NON GC	
50	PERMITS	SKYDIVE ELSINORE, INC CAL000324858/ACTIVE	20701 ELSINORE, INC. LAKE ELSINORE CA 92530	NON GC	
50	PERMITS	PRIMOS AUTO REPAIR CAL000297569/ACTIVE	29350 HUNCO WAY STE C LAKE ELSINORE CA 92530	NON GC	
51	PERMITS	MOUNTAINVIEW ANIMAL HOSPITAL CAL000106543/ACTIVE	151 RAILROAD CANYON RD SOUT LAKE ELSINORE CA 92530	NON GC	
52	PERMITS	RYDER CAL000303622/ACTIVE	10490 DAWSON CANYON RD CORONA CA 92883	NON GC	
53	PERMITS	LUMBER CITY CORP DBA CALIFORNIA DO CAL000256710/ACTIVE	32241 MISSION TRAIL RD LAKE ELSINORE CA 92530	NON GC	
54	PERMITS	LEUSD MandO DEPT CAL000280373/ACTIVE	1401 EDUCATION WAY LAKE ELSINORE CA 92530	NON GC	
54	PERMITS	LES AUTO REPAIR CAL000269593/ACTIVE	212 GHRAM AVE LAKE ELSINORE CA 92530	NON GC	
55	PERMITS	LASALLE MEDICAL ASSOCIATES CAL000283085/ACTIVE	31762 MISSION TRAIL RD F LAKE ELSINORE CA 92530	NON GC	
56	PERMITS	ACTION CUSTOM TEXTURING INC CAL000317187/ACTIVE	32450 CORYDON ST LAKE ELSINORE CA 92530	NON GC	

Environmental FirstSearch
Sites Summary Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

TOTAL: 90 **GEOCODED:** 0 **NON GEOCODED:** 90 **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
56	PERMITS	DOS LAGOS GOLF COURSE CAL000298905/ACTIVE	4515 TEMESCAL CANYON RD CORONA CA 92883	NON GC	
57	RCRAGN	LAKE CHEVROLET CAR000169680/SGN	31201 AUTO CENTER DR LAKE ELSINORE CA 92530	NON GC	
58	RCRAGN	NORTH ORANGE COAST PAINTING CAR000120972/SGN	32054 POPPY WAY LAKE ELSINORE CA 92530	NON GC	
59	RCRAGN	HOME DEPOT USA INC 8988 CAR000170894/SGN	13282 COLLIER AVE LAKE ELSINORE CA 92530	NON GC	
60	RCRAGN	HOME DEPOT NO HD8988 CAR000175216/SGN	18282 COLLIER AVE LAKE ELSINORE CA 92530	NON GC	
61	RCRAGN	WAL-MART 2077 CAL000116535/LGN	31700 GRAPE STREET LAKE ELSINORE CA 92530	NON GC	
61	SPILLS	HORSETHIEF CANYON RANCH SLC8_171/ADDITIONAL CHARACTER	N/A LAKE ELSINORE CA	NON GC	
62	SPILLS	HORSETHIEF CANYON RANCH G_SLT8R1374162/OPEN	N/A LAKE ELSINORE CA	NON GC	
63	STATE	JAVA LANES BOWLING ALLEY CAL19130111/INACTIVE - NEEDS EVA	3738/3800 EAST PACIFIC COAS LONG BEACH CA 92570	NON GC	
65	STATE	ALBERHILL RANCH ELEMENTARY SCHOOL CAL60000306/ACTIVE	NICHOLS ROAD/LAKE STREET LAKE ELSINORE CA 92530	NON GC	
67	STATE	ELSINORE ELEMENTARY SCHOOL ANNEX CAL33550001/NO FURTHER ACTION	PN. LANGSTAFF STREET/POE STR LAKE ELSINORE CA 92530	NON GC	
68	STATE	BOULDER SPRINGS ELEMENTARY SCHOOL CAL33010086/NO ACTION - FOR CALM	MARTIN STREET/CARPINUS DRIV GLEN VALLEY CA 92570	NON GC	
69	STATE	MCCANNA RANCH SCHOOL CAL60000048/INACTIVE - ACTION RE	MAIN ST. / RIDER ST. PERRIS CA 92570	NON GC	
70	STATE	MONUMENT RANCH SITE CAL70000024/NO FURTHER ACTION	GOETZ ROAD / ETHANAC ROAD PERRIS CA 92570	NON GC	
72	STATE	RAILROAD ELEMENTARY SCHOOL CAL33010019/NO FURTHER ACTION	A STREET/ALPINE DRIVE PERRIS CA 92570	NON GC	
74	STATE	WILSON/NUEVO ELEMENTARY CAL33010018/INACTIVE - NEEDS EVA	WILSON AVENUE/NUEVO ROAD PERRIS CA 92570	NON GC	
76	STATE	SYCAMORE CREEK ELEMENTARY CAL33010097/NO FURTHER ACTION	TEMESCAL CANYON/MAITRI ROAD CORONA CA 92883	NON GC	
77	STATE	TEMESCAL CANYON ELEMENTARY CAL33010021/NO FURTHER ACTION	CLAYSTONE AVENUE/NICKELLAUS CORONA CA 92883	NON GC	
79	STATE	ORTEGA HIGH SCHOOL/ALTERNATIVE EDU CAL33010008/NO FURTHER ACTION	CHANEY STREET LAKE ELSINORE CA 92530	NON GC	
81	SWL	LANDFILL,ELSINORE-CLOSED WMUD8 330305005/ACTIVE	 LAKE ELSINORE CA	NON GC	

Environmental FirstSearch
Sites Summary Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

TOTAL: 90 **GEOCODED:** 0 **NON GEOCODED:** 90 **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
83	SWL	CITY OF PERRIS ILLEGAL DUMP SITE SWIS33-AA-0237/CLOSED	WEST END OF 11TH STREET PERRIS CA 92570	NON GC	
84	SWL	GREENWASTE,PERRIS WMUD8 332477001/HISTORICAL	3202 GOETZ RD PERRIS CA 92570	NON GC	
85	SWL	WEIRICK ROAD ILLEGAL DUMP SWIS33-AA-0275/ACTIVE	21550 TEMESCAL CANYON RD. CORONA CA 92883	NON GC	
86	SWL	CORONA CLAY COMPANY SWIS33-AA-0068/CLOSED	DAWSON CANYON RD and TEMESC CORONA CA 92883	NON GC	
87	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTACT I BIA-92530	UNKNOWN CA 92530	NON GC	
87	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTACT I BIA-92570	UNKNOWN CA 92570	NON GC	
88	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTACT I BIA-92883	UNKNOWN CA 92883	NON GC	
88	UST	ELSINORE (DISTRICT 8) AST1713/AST SWRCB REG.8	LAKE ELSINORE CA	NON GC	
89	UST	EVMWD/WASTEWATER PLANT RIVERSIDECO81257	13200 SHOTGUN TR LAKE ELSINORE CA 92530	NON GC	
90	VCP	SO CAL GAS/ELSINORE MGP CAL33490082/CERTIFIED	CNR RILEY FLINT SPRING and ELSINORE CA 92530	NON GC	

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 26 **DIST/DIR:** NON GC **MAP ID:**

NAME:
ADDRESS: PALM AND RYAN STS
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 12/19/94
ID1: 418665
ID2:
STATUS: HIGHWAY RELATED
PHONE:

SPILL INFORMATION
DATE OF SPILL: 12/19/1994 **TIME OF SPILL:** 1555

PRODUCT RELEASED (1): DRUG LAB WASTE
QUANTITY (1): 10
UNITS (1): LBS

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	**GROUNDWATER:**	NO
LAND:	NO	**FIXED FACILITY:**	NO
WATER:	NO	**OTHER:**	NO

WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE

DUMPING:	YES	**EQUIPMENT FAILURE:**	NO
NATURAL PHENOMENON:	NO	**OPERATOR ERROR:**	NO
OTHER CAUSE:	NO	**TRANSP. ACCIDENT:**	NO
UNKNOWN:	NO		

ACTIONS TAKEN: CLEANUP BY RIVERSIDE CO DHS
RELEASE DETECTION: ROADWAY INTERSECTION ILLEGAL DUMPING
MISC. NOTES:

DISCHARGER INFORMATION
DISCHARGER ID: 418665 **DUN and BRADSTREET :**
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER:
ADDRESS:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 12 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: LAKE ST NORTH OF I-15
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 8/20/93
ID1: 338407
ID2:
STATUS: UNKNOWN (NRC)
PHONE:

SPILL INFORMATION
DATE OF SPILL: 8/20/1993 **TIME OF SPILL:** 1120

PRODUCT RELEASED (1): DRUG LAB WASTE
QUANTITY (1): 75
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	**GROUNDWATER:**	NO
LAND:	YES	**FIXED FACILITY:**	NO
WATER:	NO	**OTHER:**	NO

WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE

DUMPING:	NO	**EQUIPMENT FAILURE:**	NO
NATURAL PHENOMENON:	NO	**OPERATOR ERROR:**	NO
OTHER CAUSE:	YES	**TRANSP. ACCIDENT:**	NO
UNKNOWN:	NO		

ACTIONS TAKEN: UNKNOWN
RELEASE DETECTION: A FIELD METH LAB WSTE DUMPED IN A FIELD, NO LEAKAGE.
MISC. NOTES: 11 Drums: Metals in soil = copper 2000 ppm, zinc 1500 ppm, total CN=4ppm, free cn=1.5 ppm. 1 Drum-Metals in water = copper 61.4 ppb, Zinc 216 ppb CN-ND.

DISCHARGER INFORMATION
DISCHARGER ID: 338407
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

DUN and BRADSTREET :

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 19 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: ON REINDEER PLACE, 1/4 MILE WEST OF ROME HILL ROAD
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 3/31/96
ID1: 497853
ID2:
STATUS: UNKNOWN (EPA REGIONS)
PHONE:

SPILL INFORMATION
DATE OF SPILL: 3/31/1996 **TIME OF SPILL:** 0446

PRODUCT RELEASED (1): DRUG LAB WASTE
QUANTITY (1): 100
UNITS (1): LBS

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	**GROUNDWATER:**	NO
LAND:	YES	**FIXED FACILITY:**	NO
WATER:	NO	**OTHER:**	NO

WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE

DUMPING:	YES	**EQUIPMENT FAILURE:**	NO
NATURAL PHENOMENON:	NO	**OPERATOR ERROR:**	NO
OTHER CAUSE:	NO	**TRANSP. ACCIDENT:**	NO
UNKNOWN:	NO		

ACTIONS TAKEN: C/U BY CODOH
RELEASE DETECTION: ROADWAY DRUG LAB WASTE DUMPED BY UNKNOWN INDIVIDUAL.
MISC. NOTES:

DISCHARGER INFORMATION
DISCHARGER ID: 497853
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

DUN and BRADSTREET :

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 20 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: 32385 BLACKWELL ST.
LAKELAND VILLAGE CA 92530
Riverside
CONTACT:

REV: 3/21/96
ID1: 497691
ID2:
STATUS: UNKNOWN (NRC)
PHONE:

SPILL INFORMATION
DATE OF SPILL: 3/21/1996 **TIME OF SPILL:** 1238

PRODUCT RELEASED (1): DRUG WASTE
QUANTITY (1): 2
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED
AIR: NO **GROUNDWATER:** NO
LAND: NO **FIXED FACILITY:** NO
WATER: NO **OTHER:** NO
WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE
DUMPING: NO **EQUIPMENT FAILURE:** NO
NATURAL PHENOMENON: NO **OPERATOR ERROR:** NO
OTHER CAUSE: YES **TRANSP. ACCIDENT:** NO
UNKNOWN: NO

ACTIONS TAKEN: CONTAINED. COUNTY HEALTH IS DOING C/U
RELEASE DETECTION: ABANDONED STRUCTURE HAD DRUG WASTE FALLING FROM CEILING.
MISC. NOTES:

DISCHARGER INFORMATION
DISCHARGER ID: 497691 **DUN and BRADSTREET :**
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 21 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: CORYDONT PALOMAR
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 7/29/93
ID1: 334090
ID2:
STATUS: HIGHWAY RELATED
PHONE:

SPILL INFORMATION
DATE OF SPILL: 7/29/1993 **TIME OF SPILL:** 0045

PRODUCT RELEASED (1): HAZ WASTE-DRUG RELATED
QUANTITY (1): 1
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	**GROUNDWATER:**	NO
LAND:	YES	**FIXED FACILITY:**	NO
WATER:	NO	**OTHER:**	NO

WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE

DUMPING:	NO	**EQUIPMENT FAILURE:**	YES
NATURAL PHENOMENON:	NO	**OPERATOR ERROR:**	NO
OTHER CAUSE:	NO	**TRANSP. ACCIDENT:**	NO
UNKNOWN:	NO		

ACTIONS TAKEN: UNKNOWN
RELEASE DETECTION: MOBILE DRUG LAB IN BACK OF CAR
MISC. NOTES: ** PLUGGED UP AND CAUSED TANK TO OVERFLOW

DISCHARGER INFORMATION
DISCHARGER ID: 334090
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

DUN and BRADSTREET :

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 22 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: 1 MILE NORTH OF COLLIER AND NICHOLS AVENUE
LAKE ELSINORE CA
Riverside
CONTACT:

REV: 4/13/96
ID1: 512974
ID2:
STATUS: UNKNOWN (NRC)
PHONE:

SPILL INFORMATION

DATE OF SPILL: 4/13/1996 **TIME OF SPILL:** 1353

PRODUCT RELEASED (1): METH LAB WASTE
QUANTITY (1): 3
UNITS (1): GAL

PRODUCT RELEASED (2): ACID
QUANTITY (2): 0
UNITS (2): UNK

PRODUCT RELEASED (3): PHOSPHORUS, RED
QUANTITY (3): 0
UNITS (3): UNK

MEDIUM/MEDIA AFFECTED

AIR: NO **GROUNDWATER:** NO
LAND: YES **FIXED FACILITY:** NO
WATER: NO **OTHER:** NO
WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE

DUMPING: YES **EQUIPMENT FAILURE:** NO
NATURAL PHENOMENON: NO **OPERATOR ERROR:** NO
OTHER CAUSE: NO **TRANSP. ACCIDENT:** NO
UNKNOWN: NO

ACTIONS TAKEN: C/U BY CODOH
RELEASE DETECTION: ROADWAY ILLEGAL DUMP FOUND BY PASSERBY
MISC. NOTES: Previous Case : 96-3458

DISCHARGER INFORMATION

DISCHARGER ID: 512974 **DUN and BRADSTREET :**
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 23 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: NICHOLS RD E OF I-15
LAKE ELSINORE CA
RIVERSIDE
CONTACT:

REV: 7/28/1993
ID1: 334012
ID2:
STATUS: HIGHWAY RELATED
PHONE:

SPILL INFORMATION
DATE OF SPILL: 7/28/1993 **TIME OF SPILL:** 1247

PRODUCT RELEASED (1): OIL/N.O.S.
QUANTITY (1): 125
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	**GROUNDWATER:**	NO
LAND:	NO	**FIXED FACILITY:**	NO
WATER:	YES	**OTHER:**	NO

WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE

DUMPING:	NO	**EQUIPMENT FAILURE:**	NO
NATURAL PHENOMENON:	NO	**OPERATOR ERROR:**	YES
OTHER CAUSE:	NO	**TRANSP. ACCIDENT:**	NO
UNKNOWN:	NO		

ACTIONS TAKEN: UNKNOWN
RELEASE DETECTION: SIDE OF ROAD ABANDONED DRUMS
MISC. NOTES:

DISCHARGER INFORMATION
DISCHARGER ID: 334012
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

DUN and BRADSTREET :

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 18 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: TRAVEL LODGE RM 221, 31610 CASINO ROAD
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 3/17/96
ID1: 497860
ID2:
STATUS: FIXED FACILITY
PHONE:

SPILL INFORMATION

DATE OF SPILL: 3/17/1996 **TIME OF SPILL:** 1815

PRODUCT RELEASED (1): DRUG LAB WASTE
QUANTITY (1): 2
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	**GROUNDWATER:**	NO
LAND:	NO	**FIXED FACILITY:**	YES
WATER:	NO	**OTHER:**	NO

WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE

DUMPING:	NO	**EQUIPMENT FAILURE:**	NO
NATURAL PHENOMENON:	NO	**OPERATOR ERROR:**	NO
OTHER CAUSE:	YES	**TRANSP. ACCIDENT:**	NO
UNKNOWN:	NO		

ACTIONS TAKEN: RIVERSIDE CO HEALTH TO C/U
RELEASE DETECTION: DRUG RAID, NO LEAKAGE
MISC. NOTES:

DISCHARGER INFORMATION

DISCHARGER ID: 497860
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

DUN and BRADSTREET :

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 25 **DIST/DIR:** NON GC **MAP ID:**

NAME:	UNKNOWN(DUMPED)	**REV:**	01-04-01
ADDRESS:	HWY 74 HEMMERICK	**ID1:**	14679
	LAKE ELSINORE CA	**ID2:**	
	RIVERSIDE	**STATUS:**	UNKNOWN
CONTACT:		**PHONE:**	

THERE ARE NO DETAILS AVAILABLE FOR THIS SITE

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 17 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: 1/4 MILE W. OF THE JUNCTION OF FRANKLIN AND CASINO
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 1/1/96
ID1: 486592
ID2:
STATUS: UNKNOWN (EPA REGIONS)
PHONE:

SPILL INFORMATION

DATE OF SPILL: 1/1/1996 **TIME OF SPILL:** 1725

PRODUCT RELEASED (1): TRICHLOROETHANE
QUANTITY (1): 5
UNITS (1): GAL

PRODUCT RELEASED (2): SULFURIC ACID
QUANTITY (2): 40
UNITS (2): GAL

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	**GROUNDWATER:**	NO
LAND:	NO	**FIXED FACILITY:**	YES
WATER:	NO	**OTHER:**	NO

WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE

DUMPING:	NO	**EQUIPMENT FAILURE:**	NO
NATURAL PHENOMENON:	NO	**OPERATOR ERROR:**	NO
OTHER CAUSE:	YES	**TRANSP. ACCIDENT:**	NO
UNKNOWN:	NO		

ACTIONS TAKEN: UNKNOWN
RELEASE DETECTION: UNKNOWN RVSD CO. FIRE WAS DISPATCHED 1725 TO SCENE OF ILLEGAL DUMPING
MISC. NOTES:

DISCHARGER INFORMATION

DISCHARGER ID: 486592
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

DUN and BRADSTREET :

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 27 **DIST/DIR:** NON GC **MAP ID:**

NAME:
ADDRESS: ELLIE WAY AT EL TORRO RD
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 10/7/96
ID1: 526204
ID2:
STATUS: UNKNOWN (EPA REGIONS)
PHONE:

SPILL INFORMATION
DATE OF SPILL: 10/7/1996 **TIME OF SPILL:** 0802

PRODUCT RELEASED (1): DRUG LAB WASTE
QUANTITY (1): 10
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	**GROUNDWATER:**	NO
LAND:	YES	**FIXED FACILITY:**	NO
WATER:	NO	**OTHER:**	NO

WATERBODY AFFECTED BY RELEASE: BULL CREEK,LEADS TO ELSINORE

CAUSE OF RELEASE

DUMPING:	NO	**EQUIPMENT FAILURE:**	NO
NATURAL PHENOMENON:	NO	**OPERATOR ERROR:**	NO
OTHER CAUSE:	YES	**TRANSP. ACCIDENT:**	NO
UNKNOWN:	NO		

ACTIONS TAKEN: CO DOH TO C/U
RELEASE DETECTION: FOUND BY SHERIFF ON PATROL
MISC. NOTES: Previous Case : 97-0064 Previous Case : 97-0433

DISCHARGER INFORMATION
DISCHARGER ID: 526204 **DUN and BRADSTREET :**
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER:
ADDRESS:

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 11 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: EL SAISO TRUCK TRAILS AND THE NORTH MAIN DIVIDE
LAKE ELSINORE CA
RIVERSIDE
CONTACT:

REV: 6/15/92
ID1: 273537
ID2:
STATUS: HIGHWAY RELATED
PHONE:

SPILL INFORMATION
DATE OF SPILL: 6/15/1992 **TIME OF SPILL:** 1149

PRODUCT RELEASED (1): PESTICIDE
QUANTITY (1): 5
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED
AIR: NO **GROUNDWATER:** NO
LAND: YES **FIXED FACILITY:** NO
WATER: NO **OTHER:** NO
WATERBODY AFFECTED BY RELEASE:

SPILL INFORMATION
DATE OF SPILL: 6/15/1992 **TIME OF SPILL:** 1149

PRODUCT RELEASED (1): PESTICIDE
QUANTITY (1): 5
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED
AIR: NO **GROUNDWATER:** NO
LAND: YES **FIXED FACILITY:** NO
WATER: NO **OTHER:** NO
WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE
DUMPING: NO **EQUIPMENT FAILURE:** NO
NATURAL PHENOMENON: NO **OPERATOR ERROR:** YES
OTHER CAUSE: NO **TRANSP. ACCIDENT:** NO
UNKNOWN: NO

ACTIONS TAKEN: CODOH AND FD TO CLEANUP. NO WATERWAYS AFFECTED
RELEASE DETECTION: ABANDONED 100 GAL TANK FOUND LEAKING

- Continued on next page -

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 11 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: EL SAISO TRUCK TRAILS AND THE NORTH MAIN DIVIDE
LAKE ELSINORE CA
RIVERSIDE
CONTACT:

REV: 6/15/92
ID1: 273537
ID2:
STATUS: HIGHWAY RELATED
PHONE:

MISC. NOTES:

DISCHARGER INFORMATION
DISCHARGER ID: 273537
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

DUN and BRADSTREET :

CAUSE OF RELEASE

DUMPING:	NO	**EQUIPMENT FAILURE:**	NO
NATURAL PHENOMENON:	NO	**OPERATOR ERROR:**	YES
OTHER CAUSE:	NO	**TRANSP. ACCIDENT:**	NO
UNKNOWN:	NO		

ACTIONS TAKEN: CODOH AND FD TO CLEANUP. NO WATERWAYS AFFECTED
RELEASE DETECTION: ABANDONED 100 GAL TANK FOUND LEAKING
MISC. NOTES:

DISCHARGER INFORMATION
DISCHARGER ID: 273537
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

DUN and BRADSTREET :

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 10 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNK(DUMPED)
ADDRESS: NB RIVERSIDE I5 BUNDY CANYON RAMP
LAKE ELSINORE CA
Riverside
CONTACT:

REV: 01-20-98
ID1: 73246
ID2:
STATUS: UNKNOWN
PHONE:

CERCLIS (Y/N):

MAT: PAINT **QUANT:** 11 GALLONS

LOCATION: NB RIVERSIDE I5 BUNDY CANYON RAMP
CITY: **REPORTED:** 07/12/88

SOURCE: UNKNOWN **MEDIUM:** LAND
(140)1 GAL CONTAINERS DISCV D/ILLEGAL DUMPING/FLO TO LAND (140)1 GAL CONTAINE
CAUSE: UNKNOWN
RS DISC D/ILLEGAL DUMPING/FLO TO LAND

ACT: CALTRANS=CU
BY:

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 9 **DIST/DIR:** NON GC **MAP ID:**

NAME: HOMSTEAD LAND DEVEL.(C.TAYLOR)
ADDRESS: IN SAN JANCIENTO RIVER
LAKE ELSINORE CA
Riverside
CONTACT:

REV: 01-20-98
ID1: 74166
ID2:
STATUS: UNKNOWN
PHONE:

CERCLIS (Y/N):

MAT: OILS: DIESEL **QUANT:** 4000 GALLONS

LOCATION: IN SAN JANCIENTO RIVER
CITY: CORONA CA 91720 **REPORTED:** 10/24/88

SOURCE: UNKNOWN **MEDIUM:** WATER

CAUSE: UNKNOWN

ACT:
BY:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 8 **DIST/DIR:** NON GC **MAP ID:**

NAME: EPMAR
ADDRESS: HWY 74 2 MI WEST OF GRAND AVE
LAKE ELSINORE CA
Riverside
CONTACT:

REV: 01-20-98
ID1: 395679
ID2:
STATUS: UNKNOWN
PHONE:

CERCLIS (Y/N):

MAT: LIQUID EPOXY **QUANT:** 550 GALLONS

LOCATION: HWY 74 2 MI WEST OF GRAND AVE
CITY: SANTA FE SPRINGS CA **REPORTED:** 09/26/94

SOURCE: UNKNOWN **MEDIUM:** LAND
12 55-GAL DRUMS FELL FM TRUCK DURING TRANSIT / 10 DRUMS WERE DAMAGED
CAUSE: UNKNOWN

ACT: CREWS ON SCENE
BY:

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 7 **DIST/DIR:** NON GC **MAP ID:**

NAME: ELSINORE VALLEY WATER DISTRICT
ADDRESS: LAKESHORE DRIVE
LAKE ELSINORE CA
RIVERSIDE
CONTACT:

REV: 1/17/1997
ID1: 534028
ID2:
STATUS: PIPELINE RELATED
PHONE:

SPILL INFORMATION
DATE OF SPILL: 1/17/1997 **TIME OF SPILL:** 1805

PRODUCT RELEASED (1): RAW SEWAGE
QUANTITY (1): 1000
UNITS (1):
CAUSE OF RELEASE
DUMPING: NO **EQUIPMENT FAILURE:** NO
NATURAL PHENOMENON: NO **OPERATOR ERROR:** NO
OTHER CAUSE: YES **TRANS**

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 24 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: 28460 YUCCA RD
LAKE ELSINORE CA 92530
RIVERSIDE
CONTACT:

REV: 1/17/96
ID1: 492953
ID2:
STATUS: FIXED FACILITY
PHONE:

SPILL INFORMATION
DATE OF SPILL: 1/17/1996 **TIME OF SPILL:** 2030

PRODUCT RELEASED (1): HAZ WASTE
QUANTITY (1): 2
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	**GROUNDWATER:**	NO
LAND:	YES	**FIXED FACILITY:**	NO
WATER:	NO	**OTHER:**	NO

WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE

DUMPING:	YES	**EQUIPMENT FAILURE:**	NO
NATURAL PHENOMENON:	NO	**OPERATOR ERROR:**	NO
OTHER CAUSE:	NO	**TRANSP. ACCIDENT:**	NO
UNKNOWN:	NO		

ACTIONS TAKEN: RIVERSIDE HEALTH TO C/U
RELEASE DETECTION: DRUG BUST
MISC. NOTES:

DISCHARGER INFORMATION
DISCHARGER ID: 492953 **DUN and BRADSTREET :**
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 13 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: 21140 B. VINE ST.
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 2/23/96
ID1: 497616
ID2:
STATUS: FIXED FACILITY
PHONE:

SPILL INFORMATION

DATE OF SPILL: 2/23/1996 **TIME OF SPILL:** 1530

PRODUCT RELEASED (1): DRUG WASTE
QUANTITY (1): 1
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	**GROUNDWATER:**	NO
LAND:	NO	**FIXED FACILITY:**	YES
WATER:	NO	**OTHER:**	NO

WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE

DUMPING:	NO	**EQUIPMENT FAILURE:**	NO
NATURAL PHENOMENON:	NO	**OPERATOR ERROR:**	NO
OTHER CAUSE:	YES	**TRANSP. ACCIDENT:**	NO
UNKNOWN:	NO		

ACTIONS TAKEN: DOJ TO SUPERVISE C/U
RELEASE DETECTION: FOUND FRON CITIZEN TIP-2 PEOPLE WERE ARRESTED AND EVACUATED FROM THE PROPERTY. A CHILD WAS ALSO REMOVED FROM THE PROPERTY.
MISC. NOTES:

DISCHARGER INFORMATION

DISCHARGER ID: 497616 **DUN and BRADSTREET :**
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 14 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: 212111/2 PENNY LANE
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 3/27/96
ID1: 497813
ID2:
STATUS: FIXED FACILITY
PHONE:

SPILL INFORMATION
DATE OF SPILL: 3/27/1996 **TIME OF SPILL:** 1750

PRODUCT RELEASED (1): MISC. DRUG LAB WASTE
QUANTITY (1): 25
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED
AIR: YES **GROUNDWATER:** NO
LAND: YES **FIXED FACILITY:** YES
WATER: NO **OTHER:** NO
WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE
DUMPING: NO **EQUIPMENT FAILURE:** NO
NATURAL PHENOMENON: NO **OPERATOR ERROR:** NO
OTHER CAUSE: YES **TRANSP. ACCIDENT:** NO
UNKNOWN: NO

ACTIONS TAKEN: 3 CIVILIANS DECONTAMINATED
RELEASE DETECTION: RESIDENCE SUSPECTED METH-LAB CONSUMED IN STRUCTURE FIRE
MISC. NOTES:

DISCHARGER INFORMATION
DISCHARGER ID: 497813 **DUN and BRADSTREET :**
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 15 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: 21631 MAPLE
LAKE ELSINORE CA 92530
RIVERSIDE
CONTACT:

REV: 9/29/1993
ID1: 343393
ID2:
STATUS: FIXED FACILITY
PHONE:

SPILL INFORMATION
DATE OF SPILL: 9/29/1993 **TIME OF SPILL:** 1345

PRODUCT RELEASED (1): MISC DRUG WASTE
QUANTITY (1): 20
UNITS (1): LBS

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED
AIR: NO **GROUNDWATER:** NO
LAND: NO **FIXED FACILITY:** NO
WATER: YES **OTHER:** NO
WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE
DUMPING: NO **EQUIPMENT FAILURE:** NO
NATURAL PHENOMENON: NO **OPERATOR ERROR:** NO
OTHER CAUSE: NO **TRANSP. ACCIDENT:** NO
UNKNOWN: NO

ACTIONS TAKEN: CODOH TO SUPERVISE CLEANUP
RELEASE DETECTION: DRUG RAID AND DRUG LAB FOUND
MISC. NOTES:

DISCHARGER INFORMATION
DISCHARGER ID: 343393 **DUN and BRADSTREET :**
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 16 **DIST/DIR:** NON GC **MAP ID:**

NAME: UNKNOWN
ADDRESS: 23500 HOLLAND CROSS OFF COTTOWOOD CANYON
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 10-01-99
ID1: 525822
ID2:
STATUS: UNKNOWN (EPA REGIONS)
PHONE:

SPILL INFORMATION
DATE OF SPILL: **TIME OF SPILL:** 1830

PRODUCT RELEASED (1): DRUG LAB WASTE
QUANTITY (1): 10
UNITS (1): LBS

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	**GROUNDWATER:**	NO
LAND:	YES	**FIXED FACILITY:**	NO
WATER:	NO	**OTHER:**	NO

WATERBODY AFFECTED BY RELEASE:

CAUSE OF RELEASE

DUMPING:	YES	**EQUIPMENT FAILURE:**	NO
NATURAL PHENOMENON:	NO	**OPERATOR ERROR:**	NO
OTHER CAUSE:	NO	**TRANSP. ACCIDENT:**	NO
UNKNOWN:	NO		

ACTIONS TAKEN: CONTAINED, C/U UNKNOWN
RELEASE DETECTION: DRUG LAB DUMPING OF LAB MATERIALS
MISC. NOTES: Previous Case : 97-0300 Previous Case : 97-0300 Previous Case : 97-0776

DISCHARGER INFORMATION
DISCHARGER ID: 525822 **DUN and BRADSTREET :**
TYPE OF DISCHARGER: UNKNOWN
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 6 **DIST/DIR:** NON GC **MAP ID:**

NAME:	COCA-COLA CO.	**REV:**	3/13/1990
ADDRESS:	N. BOUND LANE OF I-15 RAILROAD CANYON EXIT	**ID1:**	162023
	LAKE ELSINORE CA	**ID2:**	
	RIVERSIDE	**STATUS:**	HIGHWAY RELATED
CONTACT:		**PHONE:**	

DETAILS NOT AVAILABLE

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 86 **DIST/DIR:** NON GC **MAP ID:**

NAME: ARCO 1250
ADDRESS: 403 D ST
PERRIS CA 92570
RIVERSIDE
CONTACT:

REV: 04/28/09
ID1: T0606572843
ID2:
STATUS: OPEN - SITE ASSESSMENT
PHONE:

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: *RIVERSIDE COUNTY LOP*
REGIONAL BOARD CASE NUMBER:
LOCAL AGENCY: *RIVERSIDE COUNTY LOP*
LOCAL CASE NUMBER: *200319745*
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: *LUST Cleanup Site*
POTENTIAL CONTAMINANTS OF CONCERN: *Gasoline*
POTENTIAL MEDIA AFFECTED: *Aquifer used for drinking water supply*
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: *Open - Site Assessment*
STATUS DATE: *2008-03-14 00:00:00*
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2007-10-30*
ACTION (blank if not reported): *File review*

ACTION TYPE (blank if not reported): *RESPONSE*
DATE (blank if not reported): *2007-08-15*
ACTION (blank if not reported): *Additional Information Workplan*

ACTION TYPE (blank if not reported): *RESPONSE*
DATE (blank if not reported): *2008-02-29*
ACTION (blank if not reported): *Soil and Water Investigation Workplan*

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2008-04-25*
ACTION (blank if not reported): *File review*

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2008-09-09*
ACTION (blank if not reported): *File review*

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2008-10-20*
ACTION (blank if not reported): *File review*

- Continued on next page -

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 86 **DIST/DIR:** NON GC **MAP ID:**

NAME: ARCO 1250
ADDRESS: 403 D ST
PERRIS CA 92570
RIVERSIDE
CONTACT:

REV: 04/28/09
ID1: T0606572843
ID2:
STATUS: OPEN - SITE ASSESSMENT
PHONE:

ACTION TYPE (blank if not reported): *REMEDIATION*
DATE (blank if not reported): *1950-01-01*
ACTION (blank if not reported): *Soil Vapor Extraction w/Other*

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2006-09-13*
ACTION (blank if not reported): *Staff Letter - 091306*

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2008-01-10*
ACTION (blank if not reported): *Staff Letter - 011008*

ACTION TYPE (blank if not reported): *Other*
DATE (blank if not reported): *1950-01-01*
ACTION (blank if not reported): *Leak Stopped*

ACTION TYPE (blank if not reported): *Other*
DATE (blank if not reported): *1950-01-01*
ACTION (blank if not reported): *Leak Discovery*

ACTION TYPE (blank if not reported): *Other*
DATE (blank if not reported): *1950-01-01*
ACTION (blank if not reported): *Leak Reported*

ACTION TYPE (blank if not reported): *RESPONSE*
DATE (blank if not reported): *2009-04-16*
ACTION (blank if not reported): *Remedial Progress Report*

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2007-08-02*
ACTION (blank if not reported): *File review*

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2008-12-10*
ACTION (blank if not reported): *Technical Correspondence / Assistance / Other*

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2009-01-23*
ACTION (blank if not reported): *Staff Letter - RCDEH012309*

ACTION TYPE (blank if not reported): *RESPONSE*
DATE (blank if not reported): *2008-07-31*
ACTION (blank if not reported): *CAP/RAP - Feasibility Study Report*

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2007-06-27*
ACTION (blank if not reported): *Staff Letter - 062707*

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2008-01-28*
ACTION (blank if not reported): *File review*

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 86 **DIST/DIR:** NON GC **MAP ID:**

NAME: ARCO 1250
ADDRESS: 403 D ST
PERRIS CA 92570
RIVERSIDE
CONTACT:

REV: 04/28/09
ID1: T0606572843
ID2:
STATUS: OPEN - SITE ASSESSMENT
PHONE:

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2008-03-14*
ACTION (blank if not reported): *Staff Letter - 031408*

ACTION TYPE (blank if not reported): *RESPONSE*
DATE (blank if not reported): *2007-01-15*
ACTION (blank if not reported): *Monitoring Report - Quarterly*

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2007-04-23*
ACTION (blank if not reported): *File review*

ACTION TYPE (blank if not reported): *ENFORCEMENT*
DATE (blank if not reported): *2009-01-26*
ACTION (blank if not reported): *File review*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 81 **DIST/DIR:** NON GC **MAP ID:**

NAME: SYCAMORE CREEK ELEMENTARY
ADDRESS: TEMESCAL CANYON/MAITRI ROAD
CORONA CA 92883
RIVERSIDE
CONTACT:

REV: 01/16/09
ID1: CAL33010097
ID2:
STATUS: NO FURTHER ACTION
PHONE:

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*No Further Action*
Status Date:	*2006-05-30*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*SMBRP*
Lead Agency:	*SMBRP*
Project Manager:	*RANA GEORGES*
Supervisor:	*Tawfiq Deek*
Branch:	*Cypress*
Acres:	*11.89*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*AGRICULTURAL - ORCHARD*
Potential Contaminants:	*NONE SPECIFIED 31000*
Confirmed Contaminants:	*31000*
Potential Media Affected:	*NMA, NMA*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

404623-11

33010097

CORONA-NORCO UNIFIED SCHOOL DISTRICT

CORONA-NORCO USD-PROPOSED SYCAMORE ES

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Environmental Oversight Agreement***
Completion Date:	***2005-05-02***
Comments:	
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Cost Recovery Closeout Memo***
Completion Date:	***2006-05-30***
Comments:	
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Preliminary Endangerment Assessment Report***
Completion Date:	***2006-05-11***
Comments:	*DTSC sent final approval with no further action determination*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 71 **DIST/DIR:** NON GC **MAP ID:**

NAME:	A LUA WOOD RECYCLING	**REV:**	09/06/05
ADDRESS:	18938 MERMACK RD	**ID1:**	RICOGEN_1377
	LAKE ELSINORE CA 92530	**ID2:**	
	RIVERSIDE	**STATUS:**	NOT REPORTED
CONTACT:		**PHONE:**	

RIVERSIDE COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS WASTE GENERATORS LIST:
Please Note: The responsible agency does not provide details for these records. For further information on a site or to schedule a file review, please contact the Riverside County Environmental Health Department at the following phone number: (951) 358-5055

OTHER SITE

SEARCH ID: 82 **DIST/DIR:** NON GC **MAP ID:**

NAME:	SYNAGRO COMPOSTING OF CALIF INC.	**REV:**	09/06/05
ADDRESS:	10490 DAWSON CANYON RD	**ID1:**	RICOGEN_840
	CORONA CA 92883	**ID2:**	
	RIVERSIDE	**STATUS:**	NOT REPORTED
CONTACT:		**PHONE:**	

RIVERSIDE COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS WASTE GENERATORS LIST:
Please Note: The responsible agency does not provide details for these records. For further information on a site or to schedule a file review, please contact the Riverside County Environmental Health Department at the following phone number: (951) 358-5055

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 73 **DIST/DIR:** NON GC **MAP ID:**

NAME: ELSINORE HIGH SCHOOL
ADDRESS: 21800 CANYON DR
LAKE ELSINORE CA 92530
RIVERSIDE
CONTACT:

REV: 09/06/05
ID1: RICOGEN_1391
ID2:
STATUS: NOT REPORTED
PHONE:

RIVERSIDE COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS WASTE GENERATORS LIST:
Please Note: The responsible agency does not provide details for these records. For further information on a site or to schedule a file review, please contact the Riverside County Environmental Health Department at the following phone number: (951) 358-5055

OTHER SITE

SEARCH ID: 80 **DIST/DIR:** NON GC **MAP ID:**

NAME: Z BEST BODY AND PAINT
ADDRESS: 18357 PASADENA
LAKE ELSINORE CA 92530
RIVERSIDE
CONTACT:

REV: 09/06/05
ID1: RICOGEN_1341
ID2:
STATUS: NOT REPORTED
PHONE:

RIVERSIDE COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS WASTE GENERATORS LIST:
Please Note: The responsible agency does not provide details for these records. For further information on a site or to schedule a file review, please contact the Riverside County Environmental Health Department at the following phone number: (951) 358-5055

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 79 **DIST/DIR:** NON GC **MAP ID:**

NAME:	PRIMOS AUTO REPAIR	**REV:**	09/06/05
ADDRESS:	29350 HUNCO WY	**ID1:**	RICOGEN_1364
	LAKE ELSINORE CA 92530	**ID2:**	
	RIVERSIDE	**STATUS:**	NOT REPORTED
CONTACT:		**PHONE:**	

RIVERSIDE COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS WASTE GENERATORS LIST:

Please Note: The responsible agency does not provide details for these records. For further information on a site or to schedule a file review, please contact the Riverside County Environmental Health Department at the following phone number: (951) 358-5055

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 78 **DIST/DIR:** NON GC **MAP ID:**

NAME:	ORTEGA HIGH SCHOOL/ALTERNATIVE EDUCATION	**REV:**	01/16/09
ADDRESS:	CHANEY STREET	**ID1:**	CAL33010008
	LAKE ELSINORE CA 92530	**ID2:**	
	RIVERSIDE	**STATUS:**	NO FURTHER ACTION
CONTACT:		**PHONE:**	

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*No Further Action*
Status Date:	*2000-06-09*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*SMBRP*
Lead Agency:	*SMBRP*
Project Manager:	
Supervisor:	*Mark Malinowski*
Branch:	*Cypress*
Acres:	*10.14*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*AGRICULTURAL - ROW CROPS*
Potential Contaminants:	*30005 30008 30067 30013 30587*
Confirmed Contaminants:	*NONE SPECIFIED*
Potential Media Affected:	*SOIL*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

400811-11 VCA

400787-11 CDE

LAKE ELSINORE UNIFIED SCHOOL DISTRICT

33010008

LAKE ELSINORE USD-ORTEGA HS

LAKE ELSINORE USD-ORTEGA HS/VCA

ORTEGA HIGH SCHOOL

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Other Report***
Completion Date:	***2000-02-14***
Comments:	*Phase I used for background information.*
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	**** Workplan***
Completion Date:	***2000-03-03***
Comments:	
Area Name:	***PROJECT WIDE***

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 78 **DIST/DIR:** NON GC **MAP ID:**

NAME:	ORTEGA HIGH SCHOOL/ALTERNATIVE EDUCATION	**REV:**	01/16/09
ADDRESS:	CHANEY STREET	**ID1:**	CAL33010008
	LAKE ELSINORE CA 92530	**ID2:**	
	RIVERSIDE	**STATUS:**	NO FURTHER ACTION
CONTACT:		**PHONE:**	

Sub- Area Name:
Document Type: *Phase I*
Completion Date: *1999-10-21*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Cost Recovery Closeout Memo*
Completion Date: *1999-11-17*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Cost Recovery Closeout Memo*
Completion Date: *2003-04-22*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Site Inspections/ Visit*
Completion Date: *2000-01-28*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Voluntary Clean-up Agreement*
Completion Date: *2000-01-25*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Preliminary Endangerment Assessment Report*
Completion Date: *2000-06-09*
Comments:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 77 **DIST/DIR:** NON GC **MAP ID:**

NAME: INTERNATIONAL AUTO CRAFTERS
ADDRESS: 29385 HUNCO WY
LAKE ELSINORE CA 92530
RIVERSIDE
CONTACT:

REV: 09/06/05
ID1: RICOGEN_1379
ID2:
STATUS: NOT REPORTED
PHONE:

RIVERSIDE COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS WASTE GENERATORS LIST:
Please Note: The responsible agency does not provide details for these records. For further information on a site or to schedule a file review, please contact the Riverside County Environmental Health Department at the following phone number: (951) 358-5055

OTHER SITE

SEARCH ID: 76 **DIST/DIR:** NON GC **MAP ID:**

NAME: ELSINORE USD (TRANSPORTATION)
ADDRESS: 21641 BUNDY CYN RD
LAKE ELSINORE CA 92530
RIVERSIDE
CONTACT:

REV: 09/06/05
ID1: RICOGEN_1374
ID2:
STATUS: NOT REPORTED
PHONE:

RIVERSIDE COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS WASTE GENERATORS LIST:
Please Note: The responsible agency does not provide details for these records. For further information on a site or to schedule a file review, please contact the Riverside County Environmental Health Department at the following phone number: (951) 358-5055

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 75 **DIST/DIR:** NON GC **MAP ID:**

NAME:	ELSINORE USD (GROUNDS SHOP)	**REV:**	09/06/05
ADDRESS:	LEWIS ST and GRAHAM AVE	**ID1:**	RICOGEN_1387
	LAKE ELSINORE CA 92530	**ID2:**	
	RIVERSIDE	**STATUS:**	NOT REPORTED
CONTACT:		**PHONE:**	

RIVERSIDE COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS WASTE GENERATORS LIST:

Please Note: The responsible agency does not provide details for these records. For further information on a site or to schedule a file review, please contact the Riverside County Environmental Health Department at the following phone number: (951) 358-5055

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 74 **DIST/DIR:** NON GC **MAP ID:**

NAME: ELSINORE HIGH SCHOOL NO. 4
ADDRESS: GRAND AVENUE/RIVERSIDE DRIVE
LAKE ELSINORE CA 92530
RIVERSIDE
CONTACT:

REV: 01/16/09
ID1: CAL33010016
ID2:
STATUS: NO FURTHER ACTION
PHONE:

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*No Further Action*
Status Date:	*2000-11-29*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*DTSC*
Lead Agency:	*NONE SPECIFIED*
Project Manager:	
Supervisor:	*Rebecca Chou*
Branch:	*Cypress*
Acres:	*74*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*AGRICULTURAL - ROW CROPS*
Potential Contaminants:	*30001 30013 30018*
Confirmed Contaminants:	*30001 30013*
Potential Media Affected:	*SOIL*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

404117-11

33010016

ELSINORE HIGH SCHOOL 4(PROPOSED)

HIGH SCHOOL SITE NO. 3 (PROPOSED)

HIGH SCHOOL SITE NO. 4 (PROPOSED)

LAKE ELSINORE UNIFIED SCHOOL DISTRICT

LAKE ELSINORE USD-ELSINORE HS 4/VCA

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	*PROJECT WIDE*
Sub- Area Name:	
Document Type:	** Workplan*
Completion Date:	*2000-11-03*
Comments:	
Area Name:	*PROJECT WIDE*
Sub- Area Name:	
Document Type:	*Cost Recovery Closeout Memo*
Completion Date:	*2002-08-16*
Comments:	
Area Name:	*PROJECT WIDE*

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 74 **DIST/DIR:** NON GC **MAP ID:**

NAME: ELSINORE HIGH SCHOOL NO. 4
ADDRESS: GRAND AVENUE/RIVERSIDE DRIVE
LAKE ELSINORE CA 92530
RIVERSIDE
CONTACT:

REV: 01/16/09
ID1: CAL33010016
ID2:
STATUS: NO FURTHER ACTION
PHONE:

Sub- Area Name:
Document Type: *Environmental Oversight Agreement*
Completion Date: *2000-07-31*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Environmental Oversight Agreement*
Completion Date: *2000-11-29*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Preliminary Endangerment Assessment Report*
Completion Date: *2001-08-17*
Comments:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 72 **DIST/DIR:** NON GC **MAP ID:**

NAME:	ELSINORE ELEMENTARY SCHOOL ANNEX PROJECT	**REV:**	01/16/09
ADDRESS:	N. LANGSTAFF STREET/POE STREET	**ID1:**	CAL33550001
	LAKE ELSINORE CA 92530	**ID2:**	
	RIVERSIDE	**STATUS:**	NO FURTHER ACTION
CONTACT:		**PHONE:**	

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*No Further Action*
Status Date:	*2001-06-26*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*SMBRP*
Lead Agency:	*SMBRP*
Project Manager:	
Supervisor:	*Javier Hinojosa*
Branch:	*Chatsworth*
Acres:	*1.25*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	** RETAIL - AUTO DEALERS and SERVICE STATIONS*
Potential Contaminants:	*30013 30481*
Confirmed Contaminants:	*NONE SPECIFIED*
Potential Media Affected:	*SOIL, SV*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

404156-11

33550001

ELEMENTARY SCHOOL EXPANSION (PROPOSED)

LAKE ELSINORE UNIFIED SCHOOL DISTRICT

ELSINORE ELEMENTARY SCHOOL ANNEX PROJECT

LAKE ELSINORE USD-ELSINORE ELEM EXPAN

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Cost Recovery Closeout Memo***
Completion Date:	***2001-07-06***
Comments:	
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Preliminary Endangerment Assessment Report***
Completion Date:	***2001-06-26***
Comments:	*DTSC approved the PEA Report with a no further action determination.*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 83 **DIST/DIR:** NON GC **MAP ID:**

NAME: TEMESCAL CANYON ELEMENTARY
ADDRESS: CLAYSTONE AVENUE/NICKELLAUS COURT
CORONA CA 92883
RIVERSIDE
CONTACT:

REV: 01/16/09
ID1: CAL33010021
ID2:
STATUS: NO FURTHER ACTION
PHONE:

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*No Further Action*
Status Date:	*2001-12-26*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*DTSC*
Lead Agency:	*NONE SPECIFIED*
Project Manager:	*KAMILI SIGLOWIDE*
Supervisor:	*Charles Ridenour*
Branch:	*Cypress*
Acres:	*11.7*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*AGRICULTURAL - ROW CROPS*
Potential Contaminants:	*30001 30006 30007 30008*
Confirmed Contaminants:	*NONE SPECIFIED*
Potential Media Affected:	*SOIL*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

404149-11

CORONA-NORCO USD

33010021

CORONA/NORCO USD-TEMESCAL CANYN ELEM SCH

TEMESCAL CANYON ELEMENTARY SCHOOL SITE

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	**** Workplan***
Completion Date:	*2001-04-16*
Comments:	
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	**** Workplan***
Completion Date:	*2001-07-20*
Comments:	
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	*Cost Recovery Closeout Memo*
Completion Date:	*2001-12-26*
Comments:	

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

OTHER SITE

SEARCH ID: 83 **DIST/DIR:** NON GC **MAP ID:**

NAME:	TEMESCAL CANYON ELEMENTARY	**REV:**	01/16/09
ADDRESS:	CLAYSTONE AVENUE/NICKELLAUS COURT	**ID1:**	CAL33010021
	CORONA CA 92883	**ID2:**	
	RIVERSIDE	**STATUS:**	NO FURTHER ACTION
CONTACT:		**PHONE:**	

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Environmental Oversight Agreement*
Completion Date: *2000-09-18*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Site Inspections/ Visit*
Completion Date: *2000-12-12*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Preliminary Endangerment Assessment Report*
Completion Date: *2001-12-26*
Comments:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 52 **DIST/DIR:** NON GC **MAP ID:**

NAME:	KARHAY LLC DBA LAKE ELSINORE FORD	**REV:**	04/16/08
ADDRESS:	1358 CAMBELL ST	**ID1:**	CAL000328366
	LAKE ELSINORE CA 92530	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*1/2/2008 9:04:05 AM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*31500 AUTO CENTER DR, LAKE ELSINORE, CA 92530-4563*
Owner Name:	*KARHAY LLC DBA LAKE ELSINORE FORD*
Owner Address:	*31500 AUTO CENTER DR, LAKE ELSINORE, CA 92530-4563*
Contact Name:	*BILL HAAS*
Contact Address:	*31500 AUTO CENTER DR, LAKE ELSINORE, CA 92530-4563*
Contact Phone:	*9514714100*

PERMITS SITE

SEARCH ID: 47 **DIST/DIR:** NON GC **MAP ID:**

NAME:	ELECTRICAL SERVICES CORPORATION	**REV:**	04/16/08
ADDRESS:	18550 MINTHORN ST	**ID1:**	CAL000324427
	LAKE ELSINORE CA 92530	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*8/31/2007 1:32:03 PM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*18550 MINTHORN ST, LAKE ELSINORE, CA 92530-2784*
Owner Name:	*ELECTRICAL SERVICES CORPORATION*
Owner Address:	*18550 MINTHORN ST, LAKE ELSINORE, CA 92530-2784*
Contact Name:	*KAREN FAY*
Contact Address:	*18550 MINTHORN ST, LAKE ELSINORE, CA 92530-2784*
Contact Phone:	*9512961550*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 48 **DIST/DIR:** NON GC **MAP ID:**

NAME:	EVOLUTION MACHINE	**REV:**	04/16/08
ADDRESS:	18570 PASADENA ST	**ID1:**	CAL000319879
	LAKE ELSINORE CA 92530	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*5/22/2007 11:58:40 AM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*18570 PASADENA ST, LAKE ELSINORE, CA 92530-2770*
Owner Name:	*JOHN HOAR*
Owner Address:	*18570 PASADENA ST, LAKE ELSINORE, CA 92530-2770*
Contact Name:	*JOHN HOAR*
Contact Address:	*18570 PASADENA ST, LAKE ELSINORE, CA 92530-2770*
Contact Phone:	*9512451021*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 49 **DIST/DIR:** NON GC **MAP ID:**

NAME:	FIRESTONE STORE 2238	**REV:**	04/16/08
ADDRESS:	31748 MISSION TRAIL RD	**ID1:**	CAL000036200
	LAKE ELSINORE CA 92530	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*7/5/1990*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*24361 EL TORO ROAD SUITE 250, LAGUNA HILLS, CA 92653-2261*
Owner Name:	*BFS RETAIL and COMMERICAL LLC*
Owner Address:	*24361 EL TORO ROAD SUITE 250, LAGUNA HILLS, CA 92653-0000*
Contact Name:	*JIM NASTOF/CONTROLLER*
Contact Address:	*24361 EL TORO ROAD SUITE 250, LAGUNA HILLS, CA 92653-2261*
Contact Phone:	*9499514616*

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:	
1999 Total Tonnage:	
1998 Waste Type:	*Waste oil and mixed oil*
1998 Total Tonnage:	*2.7105*
1997 Waste Type:	
1997 Total Tonnage:	
1996 Waste Type:	
1996 Total Tonnage:	
1995 Waste Type:	*Oil/water separation sludge*
1995 Total Tonnage:	*4.17*
1994 Waste Type:	*Aqueous solution with total organic residues less than 10 percent*
1994 Total Tonnage:	*0.2085*
1993 Waste Type:	*Aqueous solution with total organic residues less than 10 percent*
1993 Total Tonnage:	*5.421*

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2007:

2007 Waste Type:	
2007 Total Tonnage:	
2006 Waste Type:	
2006 Total Tonnage:	
2005 Waste Type:	*Other organic solids*
2005 Total Tonnage:	*0.1*
2004 Waste Type:	
2004 Total Tonnage:	
2003 Waste Type:	
2003 Total Tonnage:	
2002 Waste Type:	
2002 Total Tonnage:	
2001 Waste Type:	
2001 Total Tonnage:	
2000 Waste Type:	
2000 Total Tonnage:	

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 63 **DIST/DIR:** NON GC **MAP ID:**

NAME:	MASTER FAB INC	**REV:**	04/16/08
ADDRESS:	9210 STELLAR CT	**ID1:**	CAL000274143
	CORONA CA 92883	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*8/27/2003 3:27:46 PM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*9210 STELLAR CT, CORONA, CA 92883*
Owner Name:	*MFI HOLDINGS*
Owner Address:	*9210 STELLAR CT, CORONA, CA 92883*
Contact Name:	*TROY JACKSON*
Contact Address:	*9210 STELLAR CT, CORONA, CA 92883*
Contact Phone:	*9512774772*

PERMITS SITE

SEARCH ID: 50 **DIST/DIR:** NON GC **MAP ID:**

NAME:	FUSION DISPLAY and DESIGN INC	**REV:**	04/16/08
ADDRESS:	29380 HUNCO WAY	**ID1:**	CAL000307740
	LAKE ELSINORE CA 92530	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*6/8/2006 9:17:39 AM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*29380 HUNCO WAY, LAKE ELSINORE, CA 92530-0000*
Owner Name:	*FUSION DISPLAY and DESIGN INC*
Owner Address:	*42355 RIO NEDO, TEMECULA, CA 92590-0000*
Contact Name:	*SCOTT THOMSON/GENERAL MANAGER*
Contact Address:	*29380 HUNCO WAY, LAKE ELSINORE, CA 92530-0000*
Contact Phone:	*9514711626*

HWMI WASTE TYPE AND TONNAGE INFORMATION:

Waste Type:	*Other organic solids*
Total Tonnage per Year:	*0.975*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 68 **DIST/DIR:** NON GC **MAP ID:**

NAME:	THE RETREAT GOLF and COUNTRY CLUB LLC	**REV:**	04/16/08
ADDRESS:	8007 SOFT WINDS DR	**ID1:**	CAL000314538
	CORONA CA 92883	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*12/20/2006 1:42:32 PM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*8007 SOFT WINDS DR, CORONA, CA 92883-5977*
Owner Name:	*THE RETREAT GOLF and COUNTRY CLUB LLC*
Owner Address:	*8007 SOFT WINDS DR, CORONA, CA 92883-5977*
Contact Name:	*MARK WILSON / GOLF COURSE SUPT*
Contact Address:	*8007 SOFT WINDS DR, CORONA, CA 92883-5977*
Contact Phone:	*9512770711*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 51 **DIST/DIR:** NON GC **MAP ID:**

NAME:	INTERNATIONAL AUTO CRAFTERS II	**REV:**	04/16/08
ADDRESS:	29385 HUNCO WAY	**ID1:**	CAL000205581
	LAKE ELSINORE CA 92530	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*2/1/2001*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*29385 HUNCO WAY, LAKE ELSINORE, CA 92530-0000*
Owner Name:	*INTERNATIONAL AUTO CRAFTERS*
Owner Address:	*29385 HUNCO WY, LAKE ELSINORE, CA 92530-0000*
Contact Name:	*HARVEY/HARRY RYAN*
Contact Address:	*29385 HUNCO WAY, LAKE ELSINORE, CA 92553-0000*
Contact Phone:	*9096974120*

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:	
1999 Total Tonnage:	
1998 Waste Type:	
1998 Total Tonnage:	
1997 Waste Type:	
1997 Total Tonnage:	
1996 Waste Type:	
1996 Total Tonnage:	
1995 Waste Type:	
1995 Total Tonnage:	
1994 Waste Type:	
1994 Total Tonnage:	
1993 Waste Type:	
1993 Total Tonnage:	

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2007:

2007 Waste Type:	*Other organic solids*
2007 Total Tonnage:	*0.0375*
2006 Waste Type:	*Aqueous solution with total organic residues 10 percent or more*
2006 Total Tonnage:	*0.12*
2005 Waste Type:	*Aqueous solution with total organic residues 10 percent or more*
2005 Total Tonnage:	*0.61*
2004 Waste Type:	*Aqueous solution with total organic residues 10 percent or more*
2004 Total Tonnage:	*0.37*
2003 Waste Type:	*Photochemicals/photoprocessing waste*
2003 Total Tonnage:	*0.02*
2002 Waste Type:	*Aqueous solution with total organic residues 10 percent or more*
2002 Total Tonnage:	*0.2*
2001 Waste Type:	
2001 Total Tonnage:	
2000 Waste Type:	
2000 Total Tonnage:	

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 69 **DIST/DIR:** NON GC **MAP ID:**

NAME:	TRILOGY GOLF CLUB	**REV:**	04/16/08
ADDRESS:	24400 TRILOGY PKWY	**ID1:**	CAL000285594
	RIVERSIDE CA 92883	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*8/16/2004 8:59:32 AM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*24400 TRILOGY PKWY, CORONA, CA 92883*
Owner Name:	*SHEA HOMES*
Owner Address:	*24400 TRILOGY PKWY, CORONA, CA 92883*
Contact Name:	*JESSE TREJO*
Contact Address:	*24400 TRILOGY PKWY, CORONA, CA 92883*
Contact Phone:	*9512771664*

HWMI WASTE TYPE AND TONNAGE INFORMATION:

Waste Type:	*Waste oil and mixed oil*
Total Tonnage per Year:	*0.5421*

HWMI WASTE TYPE AND TONNAGE INFORMATION:

Waste Type:	*Oil/water separation sludge*
Total Tonnage per Year:	*8.34*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 70 **DIST/DIR:** NON GC **MAP ID:**

NAME:	VONS FUEL 2818	**REV:**	04/16/08
ADDRESS:	11810 DE PALMA RD	**ID1:**	CAL000324557
	CORONA CA 92883	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*9/6/2007 8:19:16 AM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*4410 ROSEWOOD DR, PLEASANTON, CA 94588-3050*
Owner Name:	*SAFEWAY INC*
Owner Address:	*5918 STONERIDGE MALL RD, PLEASANTON, CA 94588-3229*
Contact Name:	*SHARON PLOUFFE*
Contact Address:	*4410 ROSEWOOD DR, PLEASANTON, CA 94588-3050*
Contact Phone:	*9252265097*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 65 **DIST/DIR:** NON GC **MAP ID:**

NAME:	SLENNA RIDGE	**REV:**	04/16/08
ADDRESS:	8239 SANCTUARY DR	**ID1:**	CAL000297469
	CORONA CA 92883	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*8/15/2005 3:45:10 PM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*P O BOX 778, CARLSBAD, CA 92018-0000*
Owner Name:	*JOSH PRAKINSON*
Owner Address:	*PO BOX 2794, VALLEY CENTER, CA 92082*
Contact Name:	*LUIS OLIVAS*
Contact Address:	*PO BOX 2794, VALLEY CENTER, CA 92082*
Contact Phone:	*7608024503*

HWMI WASTE TYPE AND TONNAGE INFORMATION:

Waste Type:	*Unspecified organic liquid mixture*
Total Tonnage per Year:	*1.14675*

HWMI WASTE TYPE AND TONNAGE INFORMATION:

Waste Type:	*Latex waste*
Total Tonnage per Year:	*3.44025*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 66 **DIST/DIR:** NON GC **MAP ID:**

NAME: SPECTRA COLOR INC
ADDRESS: 9116 STELLAR CT
CORONA CA 92883
Riverside
CONTACT:

REV: 04/16/08
ID1: CAL000291667
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: *2/28/2005 4:42:24 PM*
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: *9116 STELLAR CT, CORONA, CA 92883-4923*
Owner Name: *SPECTRA COLOR INC X204*
Owner Address: *9116 STELLAR CT, CORONA, CA 92883-4923*
Contact Name: *MIKE BILLS X207*
Contact Address: *9116 STELLAR CT, CORONA, CA 92883-4923*
Contact Phone: *9512770200*

PERMITS SITE

SEARCH ID: 60 **DIST/DIR:** NON GC **MAP ID:**

NAME: THE LINKS SUMMERLY
ADDRESS: 18750 MALAGA RD
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 04/16/08
ID1: CAL000314518
ID2:
STATUS: INACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: *12/20/2006 11:18:44 AM*
Inactivity Date: *11/30/2007*
Facility Mail Name:
Facility Mailing Address: *600 N 195TH AVE, BUCKEYE, AZ 85326-9738*
Owner Name: *WADSWORTH GOLF CONSTR CO OF THE SW*
Owner Address: *6650 AVENUE 412, DINUBA, CA 93618*
Contact Name: *MARIO NAVARETTE*
Contact Address: *18750 MALAGA RD, DINUBA, CA 92530*
Contact Phone: *6237641543*

HWMH WASTE TYPE AND TONNAGE INFORMATION:

Waste Type: *Other organic solids*
Total Tonnage per Year: *1.6*

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 67 **DIST/DIR:** NON GC **MAP ID:**

NAME: SYNAGRO WEST
ADDRESS: 10490 DAWSON CANYON RD
CORONA CA 92883
Riverside
CONTACT:

REV: 04/16/08
ID1: CAL000289378
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: *12/20/2004 11:51:49 AM*
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: *10490 DAWSON CANYON RD, CORONA, CA 92883*
Owner Name: *SYNAGRO WEST*
Owner Address: *10490 DAWSON CANYON RD, CORONA, CA 92883*
Contact Name: *ERICK CAMPOS SITE MANAGER*
Contact Address: *10490 DAWSON CANYON RD, CORONA, CA 92883-0000*
Contact Phone: *9093222103*

PERMITS SITE

SEARCH ID: 62 **DIST/DIR:** NON GC **MAP ID:**

NAME: EAGLE GLEN MOBIL
ADDRESS: 2261 EAGLE GLEN PKWY
CORONA CA 92883
Riverside
CONTACT:

REV: 04/16/08
ID1: CAL000307032
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: *5/19/2006 9:25:54 AM*
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: *2261 EAGLE GLEN PKWY, CORONA, CA 92883-0785*
Owner Name: *EMAD WASIF*
Owner Address: *2261 EAGLE GLEN PKWY, CORONA, CA 92883-0785*
Contact Name: *EMAD WASIF*
Contact Address: *2261 EAGLE GLEN PKWY, CORONA, CA 92883-0785*
Contact Phone: *9513161096*

HWMI WASTE TYPE AND TONNAGE INFORMATION:

Waste Type: *Other organic solids*
Total Tonnage per Year: *0.03*

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 59 **DIST/DIR:** NON GC **MAP ID:**

NAME: SKYDIVE ELSINORE, INC
ADDRESS: 20701 ELSINORE, INC.
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 04/16/08
ID1: CAL000324858
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: *9/14/2007 2:07:47 PM*
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: *20701 ELSINORE, INC., LAKE ELSINORE, CA 92530*
Owner Name: *KARL GULLEDGE*
Owner Address: *20701 ELSINORE, INC., LAKE ELSINORE, CA 92530*
Contact Name: *KARL GULLEDGE*
Contact Address: *20701 ELSINORE, INC., LAKE ELSINORE, CA 92530*
Contact Phone: *9493700411*

PERMITS SITE

SEARCH ID: 58 **DIST/DIR:** NON GC **MAP ID:**

NAME: PRIMOS AUTO REPAIR
ADDRESS: 29350 HUNCO WAY STE C
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 04/16/08
ID1: CAL000297569
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: *8/17/2005 8:30:21 AM*
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: *29350 HUNCO WY UNIT C, LAKE ELSINORE, CA 92530*
Owner Name: *FIDENCIO ALMAZAN*
Owner Address: *29350 HUNCO WY UNIT C, LAKE ELSINORE, CA 92530*
Contact Name: *FIDENCIO ALMAZAN*
Contact Address: *41015 MARQUISE ST, LAKE ELSINORE, CA 92530*
Contact Phone: *9516092710*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 57 **DIST/DIR:** NON GC **MAP ID:**

NAME: MOUNTAINVIEW ANIMAL HOSPITAL
ADDRESS: 151 RAILROAD CANYON RD SOUTH
LAKE ELSINORE CA 92530
Riverside
CONTACT:

REV: 04/16/08
ID1: CAL000106543
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*4/7/1993*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*151 DIAMOND DR, LAKE ELSINORE, CA 92530-4463*
Owner Name:	*CRAIG HEMPEL DVM*
Owner Address:	*151 DIAMOND DR, LAKE ELSINORE, CA 92530-0000*
Contact Name:	*CRAIG HEMPEL DVM*
Contact Address:	*151 DIAMOND DR, LAKE ELSINORE, CA 92530-0000*
Contact Phone:	*9516741475*

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:	*Photochemicals/photoprocessing waste*
1999 Total Tonnage:	*0.0833*
1998 Waste Type:	*Photochemicals/photoprocessing waste*
1998 Total Tonnage:	*0.7088*
1997 Waste Type:	*Photochemicals/photoprocessing waste*
1997 Total Tonnage:	*1.0174*
1996 Waste Type:	*Photochemicals/photoprocessing waste*
1996 Total Tonnage:	*0.1083*
1995 Waste Type:	*Photochemicals/photoprocessing waste*
1995 Total Tonnage:	*0.1166*
1994 Waste Type:	*Photochemicals/photoprocessing waste*
1994 Total Tonnage:	*0.0792*
1993 Waste Type:	*Photochemicals/photoprocessing waste*
1993 Total Tonnage:	*0.0291*

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2007:

2007 Waste Type:	*Photochemicals/photoprocessing waste*
2007 Total Tonnage:	*0.4587*
2006 Waste Type:	*Photochemicals/photoprocessing waste*
2006 Total Tonnage:	*0.45*
2005 Waste Type:	*Photochemicals/photoprocessing waste*
2005 Total Tonnage:	*0.45*
2004 Waste Type:	*Photochemicals/photoprocessing waste*
2004 Total Tonnage:	*0.45*
2003 Waste Type:	*Photochemicals/photoprocessing waste*
2003 Total Tonnage:	*0.45*
2002 Waste Type:	
2002 Total Tonnage:	
2001 Waste Type:	
2001 Total Tonnage:	
2000 Waste Type:	
2000 Total Tonnage:	

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 64 **DIST/DIR:** NON GC **MAP ID:**

NAME:	RYDER	**REV:**	04/16/08
ADDRESS:	10490 DAWSON CANYON RD	**ID1:**	CAL000303622
	CORONA CA 92883	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*2/21/2006 10:12:04 AM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*3539 HOWARD WAY, COSTA MESA, CA 92626*
Owner Name:	*SYNAGRO WEST*
Owner Address:	*11690 NW 105TH ST, MIAMI, FL 33178*
Contact Name:	*DANNY ZWERLING / SERVICE MGR*
Contact Address:	*1440 N MAIN ST, ORANGE, CA 92867-0000*
Contact Phone:	*7142890410*

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 56 **DIST/DIR:** NON GC **MAP ID:**

NAME:	LUMBER CITY CORP DBA CALIFORNIA DO IT CENTER	**REV:**	04/16/08
ADDRESS:	32241 MISSION TRAIL RD	**ID1:**	CAL000256710
	LAKE ELSINORE CA 92530	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*7/30/2002 8:48:43 AM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*20525 NORDHOFF ST STE 210, CHATSWORTH, CA 91311-6135*
Owner Name:	*LUMBER CITY CORP*
Owner Address:	*20525 NORDHOFF ST STE 210, CHATSWORTH, CA 91311-6135*
Contact Name:	*RENEE CIRRONE*
Contact Address:	*32241 MISSION TRL, LAKE ELSINORE, CA 92530-4526*
Contact Phone:	*9516749200*

HWMI WASTE TYPE AND TONNAGE INFORMATION:

Waste Type:	*Laboratory waste chemicals*
Total Tonnage per Year:	*0.0175*

HWMI WASTE TYPE AND TONNAGE INFORMATION:

Waste Type:	*Off-specification, aged or surplus organics*
Total Tonnage per Year:	*0.2375*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 55 **DIST/DIR:** NON GC **MAP ID:**

NAME:	LEUSD MandO DEPT	**REV:**	04/16/08
ADDRESS:	1401 EDUCATION WAY	**ID1:**	CAL000280373
	LAKE ELSINORE CA 92530	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*3/24/2004 1:13:47 PM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*545 CHANEY ST, LAKE ELSINORE, CA 92530-0000*
Owner Name:	*LAKE ELSINORE USD*
Owner Address:	*545 CHANEY ST, LAKE ELSINORE, CA 92530-0000*
Contact Name:	*GENEVA KRAG*
Contact Address:	*545 CHANEY ST, LAKE ELSINORE, CA 92530-0000*
Contact Phone:	*9092537028*

PERMITS SITE

SEARCH ID: 54 **DIST/DIR:** NON GC **MAP ID:**

NAME:	LES AUTO REPAIR	**REV:**	04/16/08
ADDRESS:	212 GHRAM AVE	**ID1:**	CAL000269593
	LAKE ELSINORE CA 92530	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*4/28/2003 10:44:56 AM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*PO BOX 387, WILDOMAR, CA 92595*
Owner Name:	*LES HARRIS*
Owner Address:	*PO BOX 387, WILDOMAR, CA 92595*
Contact Name:	*LES HARRIS-OWNER*
Contact Address:	*PO BOX 387, WILDOMAR, CA 92595*
Contact Phone:	*9516744519*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 53 **DIST/DIR:** NON GC **MAP ID:**

NAME:	LASALLE MEDICAL ASSOCIATES	**REV:**	04/16/08
ADDRESS:	31762 MISSION TRAIL RD F	**ID1:**	CAL000283085
	LAKE ELSINORE CA 92530	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*6/14/2004 2:34:49 PM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*31762 MISSION TRAIL RD F, LAKE ELSINORE, CA 92530*
Owner Name:	*DR ALBERT ARTEAGA*
Owner Address:	*685 CARNEGIE DR STE 230, SAN BERNARDINO, CA 92408*
Contact Name:	*B GRABER AUDIT COORDINATOR*
Contact Address:	*31762 MISSION TRAIL RD F, LAKE ELSINORE, CA 92530*
Contact Phone:	*9516745686*

HWMI WASTE TYPE AND TONNAGE INFORMATION:

Waste Type:	*Unspecified organic liquid mixture*
Total Tonnage per Year:	*0.0185*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

PERMITS SITE

SEARCH ID: 46 **DIST/DIR:** NON GC **MAP ID:**

NAME:	ACTION CUSTOM TEXTURING INC	**REV:**	04/16/08
ADDRESS:	32450 CORYDON ST	**ID1:**	CAL000317187
	LAKE ELSINORE CA 92530	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*3/6/2007 4:19:03 PM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*23905 CLINTON KEITH RD STE 114-521, WILDOMAR, CA 92595-7897*
Owner Name:	*ACTION CUSTOM TEXTURING INC*
Owner Address:	*23905 CLINTON KEITH RD STE 114-521, WILDOMAR, CA 92595-7897*
Contact Name:	*TIM BULLER*
Contact Address:	*23905 CLINTON KEITH RD STE 114-521, WILDOMAR, CA 92595-7897*
Contact Phone:	*9516987540*

PERMITS SITE

SEARCH ID: 61 **DIST/DIR:** NON GC **MAP ID:**

NAME:	DOS LAGOS GOLF COURSE	**REV:**	04/16/08
ADDRESS:	4515 TEMESCAL CANYON RD	**ID1:**	CAL000298905
	CORONA CA 92883	**ID2:**	
	Riverside	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	*9/28/2005 10:03:16 AM*
Inactivity Date:	
Facility Mail Name:	
Facility Mailing Address:	*16600 CLUBHOUSE DR, FONTANA, CA 92336-5138*
Owner Name:	*DOS LAGOS GC-DONOVAN BROS GOLF*
Owner Address:	*4515 TEMESCAL CANYON RD, CORONA, CA 92883*
Contact Name:	*FRANCISCO TREJO*
Contact Address:	*4507 CABOT DR, CORONA, CA 92883*
Contact Phone:	*9515229571*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

RCRA GENERATOR SITE

SEARCH ID: 3 **DIST/DIR:** NON GC **MAP ID:**

NAME:	LAKE CHEVROLET	**REV:**	5/13/09
ADDRESS:	31201 AUTO CENTER DR	**ID1:**	CAR000169680
	LAKE ELSINORE CA 92530	**ID2:**	
	RIVERSIDE	**STATUS:**	SGN
CONTACT:	JANET K HUTCHINSON	**PHONE:**	951-674-3116 232

SITE INFORMATION

CONTACT INFORMATION: JANET HUTCHINSON
PO BOX 4000
LAKE ELSINORE CA 92531 4000

PHONE: 951-674-3116

UNIVERSE INFORMATION:

NAIC INFORMATION

44111 - NEW CAR DEALERS
44112 - USED CAR DEALERS

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

Corrosive waste
Spent cyanide plating bath solutions from electroplating operations.
Ignitable waste
Lead

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

RCRA GENERATOR SITE

SEARCH ID: 4 **DIST/DIR:** NON GC **MAP ID:**

NAME:	NORTH ORANGE COAST PAINTING	**REV:**	5/13/09
ADDRESS:	32054 POPPY WAY	**ID1:**	CAR000120972
	LAKE ELSINORE CA 92530	**ID2:**	
	RIVERSIDE	**STATUS:**	SGN
CONTACT:	JOHN FOTION	**PHONE:**	9092089185

SITE INFORMATION

CONTACT INFORMATION: JOHN FOTION
P O BOX 520
NORCO CA 928600520

PHONE: 9092089185

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

Ignitable waste

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

RCRA GENERATOR SITE

SEARCH ID: 2 **DIST/DIR:** NON GC **MAP ID:**

NAME:	HOME DEPOT USA INC 8988	**REV:**	5/13/09
ADDRESS:	13282 COLLIER AVE	**ID1:**	CAR000170894
	LAKE ELSINORE CA 92530	**ID2:**	
	RIVERSIDE	**STATUS:**	SGN
CONTACT:	ROBERT PERKINS	**PHONE:**	760-602-8700

SITE INFORMATION

CONTACT INFORMATION: ROBERT PERKINS
1905 ASTON AVE NO 100
CARLSBAD CA 92008

PHONE: 760-602-8700

UNIVERSE INFORMATION:

NAIC INFORMATION

44411 - HOME CENTERS

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

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, b
Lead
Benzene
2,4-D (2,4-Dichlorophenoxyacetic acid)
Cadmium
Corrosive waste
Ignitable waste
Methyl ethyl ketone
The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a to
Mercury
Silver

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

RCRA GENERATOR SITE

SEARCH ID: 1 **DIST/DIR:** NON GC **MAP ID:**

NAME:	HOME DEPOT NO HD8988	**REV:**	5/13/09
ADDRESS:	18282 COLLIER AVE	**ID1:**	CAR000175216
	LAKE ELSINORE CA 92530	**ID2:**	
		STATUS:	SGN
CONTACT:	ROBERT PERKINS	**PHONE:**	760-602-8700

CONTACT INFORMATION:

ROBERT PERKINS
760-602-8700
RPERKINS 3ECOMPANY.COM

UNIVERSE INFORMATION:

GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA CA BASELINE UNIVERSE:	*NO*
GPRA CA 2008:	*NO*

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA:	NO
SUBJCA TSD 3004:	NO
SUBJCA NON TSD:	NO
SUBJCA TSD DISCRETION:	NO
PERMIT WORKLOAD:	-----
CLOSURE WORKLOAD:	-----
POST CLOSURE WORKLOAD:	-----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:	-----
CORRECTIVE ACTION WORKLOAD:	NO
GENERATOR STATUS:	SQG
TRANSPORTER:	NO
UNIVERSAL WASTE:	NO
RECYCLER:	NO
USED OIL:	NO
IMPORTER:	NO
MIXED WASTE GENERATOR:	NO
ONSITE BURNER EXEMPT:	NO
FURNACE EXEMPTION:	NO
UNDERGROUND INJECTION:	NO
NAIC 1:	Home Centers
NAIC 2:	
NAIC 3:	
NAIC 4:	

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

RCRA GENERATOR SITE

SEARCH ID: 5 **DIST/DIR:** NON GC **MAP ID:**

NAME: WAL-MART 2077
ADDRESS: 31700 GRAPE STREET
LAKE ELSINORE CA 92530
RIVERSIDE
CONTACT: RICH DAILEY

REV: 5/13/09
ID1: CAL000116535
ID2:
STATUS: LGN
PHONE: 4792049914

DETAILS NOT AVAILABLE

STATE SPILLS SITE

SEARCH ID: 39 **DIST/DIR:** NON GC **MAP ID:**

NAME: HORSETHIEF CANYON RANCH
ADDRESS: N/A
LAKE ELSINORE CA
RIVERSIDE
CONTACT:

REV: 07/01/2003
ID1: SLC8_171
ID2:
STATUS: ADDITIONAL CHARACTERIZATION
PHONE:

Lead Agency: *REGIONAL BOARD*
Program: *SLIC*
Case Type: *SOIL*
Status: *ADDITIONAL CHARACTERIZATION*
Substance: *TPH*
Comments: *SITE ASSESSMENT REPORT UNDER REVIEW*
Thomas Brothers Guide Location:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE SPILLS SITE

SEARCH ID: 40 **DIST/DIR:** NON GC **MAP ID:**

NAME: HORSETHIEF CANYON RANCH
ADDRESS: N/A
LAKE ELSINORE CA
CONTACT:

REV: 05/22/09
ID1: G_SLT8R1374162
ID2:
STATUS: OPEN
PHONE:

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD GEOTRACKER SLIC DATABASE

Please note that some SLIC data previously provided by the State Water Resources Control Board via the Regional Boards is not currently provided by the agency in the new GEOTRACKER format. To ensure that our data is as complete as possible we have retained the original Regional Boards SLIC records as well as loaded all GEOTRACKER SLIC listings. GEOTRACKER records are distinguished by an initial G at the start of the ID.

LEAD AGENCY: *SANTA ANA RWQCB (REGION 8)*
REGIONAL BOARD CASE NUMBER: *SLT8R137*
LOCAL AGENCY:
LOCAL CASE NUMBER:
CASE TYPE: *Cleanup Program Site*
STATUS: *Open*
STATUS DATE: *1965-01-01*
POTENTIAL CONTAMINANTS OF CONCERN:
POTENTIAL MEDIA AFFECTED:
SITE HISTORY (blank if not reported):

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 32 **DIST/DIR:** NON GC **MAP ID:**

NAME:	JAVA LANES BOWLING ALLEY	**REV:**	01/16/09
ADDRESS:	3738/3800 EAST PACIFIC COAST HIGHWAY	**ID1:**	CAL19130111
	LONG BEACH CA 90804	**ID2:**	SCHOOL
	LOS ANGELES	**STATUS:**	INACTIVE - NEEDS EVALUATION
CONTACT:		**PHONE:**	

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*Inactive - Needs Evaluation*
Status Date:	*2002-05-02*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*SMBRP*
Lead Agency:	*SMBRP*
Project Manager:	*JUAN OSORNIO*
Supervisor:	*Shahir Haddad*
Branch:	*Cypress*
Acres:	*3.14*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*OIL and GAS EXTRACTION*
Potential Contaminants:	*NONE SPECIFIED 31000*
Confirmed Contaminants:	*NONE SPECIFIED*
Potential Media Affected:	*NMA*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

JAVA LANES (PROPOSED)

JAVA LANES BOWLING ALLEY (PROPOSED)

JAVA LANES SCHOOL SITE (PROPOSED)

LONG BEACH UNIFIED SCHOOL DISTRICT

404251-11

19130111

LONG BEACH USD-JAVA LN BOWLING ALY SCL

JAVA LANES SCHOOL SITE

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Preliminary Endangerment Assessment Workplan***
Completion Date:	***2001-10-16 00:00:00***
Comments:	
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Cost Recovery Closeout Memo***
Completion Date:	***2002-05-02 00:00:00***
Comments:	

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 32 **DIST/DIR:** NON GC **MAP ID:**

NAME:	JAVA LANES BOWLING ALLEY	**REV:**	01/16/09
ADDRESS:	3738/3800 EAST PACIFIC COAST HIGHWAY	**ID1:**	CAL19130111
	LONG BEACH CA 90804	**ID2:**	SCHOOL
	LOS ANGELES	**STATUS:**	INACTIVE - NEEDS EVALUATION
CONTACT:		**PHONE:**	

Area Name: ***PROJECT WIDE***
Sub- Area Name:
Document Type: ***Environmental Oversight Agreement***
Completion Date: ***2001-08-03 00:00:00***
Comments:

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 28 **DIST/DIR:** NON GC **MAP ID:**

NAME: ALBERHILL RANCH ELEMENTARY SCHOOL
ADDRESS: NICHOLS ROAD/LAKE STREET
LAKE ELSINORE CA 92530
RIVERSIDE
CONTACT:

REV: 01/16/09
ID1: CAL60000306
ID2: SCHOOL
STATUS: ACTIVE
PHONE:

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*Active*
Status Date:	*2006-05-23*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*SMBRP*
Lead Agency:	*SMBRP*
Project Manager:	*ASLAM SHAREEF*
Supervisor:	*Tawfiq Deek*
Branch:	*Cypress*
Acres:	*10.29*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*MINE*
Potential Contaminants:	*30015*
Confirmed Contaminants:	*30015*
Potential Media Affected:	*SOIL*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)
404708-11

60000306

FUTURE ACTIVITIES (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub-Area Name:	
Document Type:	*Supplemental Site Investigation Report*
Completion Due Date:	*2008*

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Preliminary Endangerment Assessment Report***
Completion Date:	***2007-08-23 00:00:00***
Comments:	*DTSC approved the PEA Report with a Further Action determination for the further investigation of methane detected on site.*

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Fieldwork***
Completion Date:	***2007-04-12 00:00:00***
Comments:	*Sampling results were submitted for DTSC s review.*

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Supplemental Site Investigation Tech Memo***

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 28 **DIST/DIR:** NON GC **MAP ID:**

NAME:	ALBERHILL RANCH ELEMENTARY SCHOOL	**REV:**	01/16/09
ADDRESS:	NICHOLS ROAD/LAKE STREET	**ID1:**	CAL60000306
	LAKE ELSINORE CA 92530	**ID2:**	SCHOOL
	RIVERSIDE	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

Completion Date: ***2007-11-01 00:00:00***
Comments: *DTSC issued approval for the SSI Tech Memo*

Area Name: ***PROJECT WIDE***
Sub- Area Name:
Document Type: ***Environmental Oversight Agreement***
Completion Date: ***2006-07-11 00:00:00***
Comments:

Area Name: ***PROJECT WIDE***
Sub- Area Name:
Document Type: ***Site Inspections/ Visit***
Completion Date: ***2006-11-08 00:00:00***
Comments:

Area Name: ***PROJECT WIDE***
Sub- Area Name:
Document Type: ***School Cleanup Agreement***
Completion Date: ***2008-02-28 00:00:00***
Comments: *Signed agreement sent (FedEx to District).*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 29 **DIST/DIR:** NON GC **MAP ID:**

NAME:	ELSINORE ELEMENTARY SCHOOL ANNEX PROJECT	**REV:**	01/16/09
ADDRESS:	N. LANGSTAFF STREET/POE STREET	**ID1:**	CAL33550001
	LAKE ELSINORE CA 92530	**ID2:**	SCHOOL
	RIVERSIDE	**STATUS:**	NO FURTHER ACTION
CONTACT:		**PHONE:**	

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*No Further Action*
Status Date:	*2001-06-26*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*SMBRP*
Lead Agency:	*SMBRP*
Project Manager:	
Supervisor:	*Javier Hinojosa*
Branch:	*Chatsworth*
Acres:	*1.25*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*RETAIL - AUTO DEALERS and SERVICE STATIONS*
Potential Contaminants:	*30013 30481*
Confirmed Contaminants:	*NONE SPECIFIED*
Potential Media Affected:	*SOIL, SV*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

404156-11

33550001

ELEMENTARY SCHOOL EXPANSION (PROPOSED)

LAKE ELSINORE UNIFIED SCHOOL DISTRICT

ELSINORE ELEMENTARY SCHOOL ANNEX PROJECT

LAKE ELSINORE USD-ELSINORE ELEM EXPAN

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Preliminary Endangerment Assessment Report***
Completion Date:	***2001-06-26 00:00:00***
Comments:	*DTSC approved the PEA Report with a no further action determination.*
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Cost Recovery Closeout Memo***
Completion Date:	***2001-07-06 00:00:00***
Comments:	

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 31 **DIST/DIR:** NON GC **MAP ID:**

NAME: BOULDER SPRINGS ELEMENTARY SCHOOL
ADDRESS: MARTIN STREET/CARPINUS DRIVE
GLEN VALLEY CA 92570
RIVERSIDE
CONTACT:

REV: 07/18/05
ID1: CAL33010086
ID2:
STATUS: NO ACTION - FOR CALMORTGAGE
PHONE:

OTHER SITE NAMES (blank below = not reported by agency)
BOULDER SPRINGS ELEMENTARY SCHOOL

VAL VERDE UNIFIED SCHOOL DISTRICT

GENERAL SITE INFORMATION

File Name (if different than site name):	*BOULDER SPRINGS ELEMENTARY SCHOOL*
Status:	*NO ACTION - FOR CALMORTGAGE ONLY*
AWP Site Type:	*PROPOSED SCHOOL SITE PROPERTY*
NPL Site:	
Fund:	
Status Date:	*10142003*
Lead:	*DEPT OF TOXIC SUBSTANCES CONTROL*
Staff:	*RMORRIS*
DTSC Region and RWQCB :	*CYPRESS*
Branch:	*SCHOOL EVALUATION*
RWQCB:	
Site Access:	
Groundwater Contamination:	
Number of Sources Contributing to Contamination at the Site:	*0*

OTHER AGENCY ID NUMBERS (blank below = not reported by agency)
ID SOURCE NAME, and VALUE: *CALSTARS CODE 404485-11*

BACKGROUND INFORMATION (blank below = not reported by agency)
The site consists of land agriculturally developed with dry farm barley that has been recently harvest. No structures or other improvements are currently located within the limits of the property. Historically, the site appears to have consisted of undeveloped range land prior to 1938 and has been dry farmed to the present. Surrounding property has been historically planted with citrus trees.

PROJECTED ACTIVITIES (blank below = not reported by agency)

Activity:	***PHASE 1 - CALMORTGAGE AND SCHOOL SITE PROPERTIES***
Activity Status:	*NO ACTION - FOR CALMORTGAGE ONLY*
Completion Due Date:	
Revised Completion Due Date:	
Date Activity Actually Completed:	*10142003*
Yards of Solids Removed:	*0*
Yards of Solids Treated:	*0*
Gallons of Liquid Removed:	*0*
Gallons of Liquid Treated:	*0*

DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)
Comments Date: ***10142003***
: *DTSC reviewed a Phase I Environmental Assessment and has made a No Action determination for this Site.*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 33 **DIST/DIR:** NON GC **MAP ID:**

NAME:	MCCANNA RANCH SCHOOL	**REV:**	01/16/09
ADDRESS:	MAIN ST. / RIDER ST.	**ID1:**	CAL60000048
	PERRIS CA 92570	**ID2:**	SCHOOL
	RIVERSIDE	**STATUS:**	INACTIVE - ACTION REQUIRED
CONTACT:		**PHONE:**	

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*Inactive - Action Required*
Status Date:	*2000-10-23*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*SMBRP*
Lead Agency:	*SMBRP*
Project Manager:	*SHAHIR HADDAD*
Supervisor:	*Rebecca Chou*
Branch:	*Cypress*
Acres:	*25*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*UNKNOWN*
Potential Contaminants:	*NONE SPECIFIED 31000*
Confirmed Contaminants:	*31000*
Potential Media Affected:	*SOIL*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

404160-11

60000048

VAL VERDE USD-MCCANNA RANCH

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Phase 1***
Completion Date:	***2000-10-24 00:00:00***
Comments:	

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 34 **DIST/DIR:** NON GC **MAP ID:**

NAME:	MONUMENT RANCH SITE	**REV:**	01/16/09
ADDRESS:	GOETZ ROAD / ETHANAC ROAD	**ID1:**	CAL70000024
	PERRIS CA 92570	**ID2:**	SCHOOL
	RIVERSIDE	**STATUS:**	NO FURTHER ACTION
CONTACT:		**PHONE:**	

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*No Further Action*
Status Date:	*2006-06-22*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*SMBRP*
Lead Agency:	*SMBRP*
Project Manager:	*IVY GUANO*
Supervisor:	*Shahir Haddad*
Branch:	*Cypress*
Acres:	*23*
Assessor s Parcel Number:	*330-160-007, 330-160-014, 330-160-008, 330-160-009, 330-160-010, 330-160-011, 330-160-012, 330-160-015, 330-160-013*
Past Uses:	*AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS*
Potential Contaminants:	*30001 30006 30007 30008*
Confirmed Contaminants:	*30001 30006 30007 30008*
Potential Media Affected:	*SOIL*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

404643-11

330-160-007

20050024

Romoland School District

70000024

330-160-014

330-160-008

330-160-009

330-160-010

330-160-011

330-160-012

330-160-015

330-160-013

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 34 **DIST/DIR:** NON GC **MAP ID:**

NAME: MONUMENT RANCH SITE
ADDRESS: GOETZ ROAD / ETHANAC ROAD
PERRIS CA 92570
RIVERSIDE
CONTACT:

REV: 01/16/09
ID1: CAL70000024
ID2: SCHOOL
STATUS: NO FURTHER ACTION
PHONE:

Area Name: ***PROJECT WIDE***
Sub- Area Name:
Document Type: ***Preliminary Endangerment Assessment Report***
Completion Date: ***2006-06-20 00:00:00***
Comments: *DTSC issued a No Further Action determination based on a Preliminary Environmental Assessment Report*

Area Name: ***PROJECT WIDE***
Sub- Area Name:
Document Type: ***Preliminary Endangerment Assessment Workplan***
Completion Date: ***2006-01-03 00:00:00***
Comments: *PEA workplan approval*

Area Name: ***PROJECT WIDE***
Sub- Area Name:
Document Type: ***Environmental Oversight Agreement***
Completion Date: ***2005-08-09 00:00:00***
Comments:

Area Name: ***PROJECT WIDE***
Sub- Area Name:
Document Type: ***Cost Recovery Closeout Memo***
Completion Date: ***2006-06-26 00:00:00***
Comments:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 35 **DIST/DIR:** NON GC **MAP ID:**

NAME:	RAILROAD ELEMENTARY SCHOOL	**REV:**	01/16/09
ADDRESS:	A STREET/ALPINE DRIVE	**ID1:**	CAL33010019
	PERRIS CA 92570	**ID2:**	SCHOOL
	RIVERSIDE	**STATUS:**	NO FURTHER ACTION
CONTACT:		**PHONE:**	

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*No Further Action*
Status Date:	*2001-05-22*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*SMBRP*
Lead Agency:	*SMBRP*
Project Manager:	*SHAHIR HADDAD*
Supervisor:	*Rebecca Chou*
Branch:	*Cypress*
Acres:	*16.42*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*AGRICULTURAL - ROW CROPS*
Potential Contaminants:	*30003 30007 30008*
Confirmed Contaminants:	*30003 30007 30008*
Potential Media Affected:	*SOIL*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

404110-11

PERRIS ELEMENTARY SCHOOL DISTRICT

33010019

PERRIS ELEMSD/EXISTING RAILROAD ELEM/VCA

RAILROAD ELEMENTARY SCHOOL (PROPOSED)

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Preliminary Endangerment Assessment Report***
Completion Date:	***2001-05-22 00:00:00***
Comments:	*DTSC approved the PEA Report with no further action determination.*
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Cost Recovery Closeout Memo***
Completion Date:	***2002-09-19 00:00:00***
Comments:	
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Environmental Oversight Agreement***
Completion Date:	***2000-08-18 00:00:00***
Comments:	

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 35 **DIST/DIR:** NON GC **MAP ID:**

NAME:	RAILROAD ELEMENTARY SCHOOL	**REV:**	01/16/09
ADDRESS:	A STREET/ALPINE DRIVE	**ID1:**	CAL33010019
	PERRIS CA 92570	**ID2:**	SCHOOL
	RIVERSIDE	**STATUS:**	NO FURTHER ACTION
CONTACT:		**PHONE:**	

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 36 **DIST/DIR:** NON GC **MAP ID:**

NAME: WILSON/NUEVO ELEMENTARY
ADDRESS: WILSON AVENUE/NUEVO ROAD
PERRIS CA 92571
RIVERSIDE
CONTACT:

REV: 01/16/09
ID1: CAL33010018
ID2: SCHOOL
STATUS: INACTIVE - NEEDS EVALUATION
PHONE:

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*Inactive - Needs Evaluation*
Status Date:	*2001-01-25*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*SMBRP*
Lead Agency:	*SMBRP*
Project Manager:	
Supervisor:	*Javier Hinojosa*
Branch:	*Cypress*
Acres:	*11.21*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*AGRICULTURAL - ROW CROPS*
Potential Contaminants:	*NONE SPECIFIED*
Confirmed Contaminants:	*NONE SPECIFIED*
Potential Media Affected:	*NONE SPECIFIED*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

404121-11

PERRIS ELEMENTARY SCHOOL DISTRICT

WILSON/NUEVO ELEMENTARY SCH. (PROPOSED)

33010018

PERRIS ELEM. SD-WILSON/NUEVO/VCA

WILSON/NUEVO ELEMENTARY SCHOOL (PROP)

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	**** Workplan***
Completion Date:	***2001-01-25 00:00:00***
Comments:	
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Cost Recovery Closeout Memo***
Completion Date:	***2001-04-20 00:00:00***
Comments:	*The project was dropped in August 2002.*
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Environmental Oversight Agreement***

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 36 **DIST/DIR:** NON GC **MAP ID:**

NAME:	WILSON/NUEVO ELEMENTARY	**REV:**	01/16/09
ADDRESS:	WILSON AVENUE/NUEVO ROAD	**ID1:**	CAL33010018
	PERRIS CA 92571	**ID2:**	SCHOOL
	RIVERSIDE	**STATUS:**	INACTIVE - NEEDS EVALUATION
CONTACT:		**PHONE:**	

Completion Date: *2000-09-05 00:00:00*
Comments:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 37 **DIST/DIR:** NON GC **MAP ID:**

NAME: SYCAMORE CREEK ELEMENTARY
ADDRESS: TEMESCAL CANYON/MAITRI ROAD
CORONA CA 92883
RIVERSIDE
CONTACT:

REV: 01/16/09
ID1: CAL33010097
ID2: SCHOOL
STATUS: NO FURTHER ACTION
PHONE:

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*No Further Action*
Status Date:	*2006-05-30*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*SMBRP*
Lead Agency:	*SMBRP*
Project Manager:	*RANA GEORGES*
Supervisor:	*Tawfiq Deek*
Branch:	*Cypress*
Acres:	*11.89*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*AGRICULTURAL - ORCHARD*
Potential Contaminants:	*NONE SPECIFIED 31000*
Confirmed Contaminants:	*31000*
Potential Media Affected:	*NMA, NMA*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

33010097

CORONA-NORCO UNIFIED SCHOOL DISTRICT

CORONA-NORCO USD-PROPOSED SYCAMORE ES

404623-11

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Preliminary Endangerment Assessment Report***
Completion Date:	***2006-05-11 00:00:00***
Comments:	*DTSC sent final approval with no further action determination*
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Environmental Oversight Agreement***
Completion Date:	***2005-05-02 00:00:00***
Comments:	
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Cost Recovery Closeout Memo***
Completion Date:	***2006-05-30 00:00:00***
Comments:	

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 38 **DIST/DIR:** NON GC **MAP ID:**

NAME:	TEMESCAL CANYON ELEMENTARY	**REV:**	01/16/09
ADDRESS:	CLAYSTONE AVENUE/NICKELLAUS COURT	**ID1:**	CAL33010021
	CORONA CA 92883	**ID2:**	SCHOOL
	RIVERSIDE	**STATUS:**	NO FURTHER ACTION
CONTACT:		**PHONE:**	

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*No Further Action*
Status Date:	*2001-12-26*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*DTSC*
Lead Agency:	*NONE SPECIFIED*
Project Manager:	*KAMILI SIGLOWIDE*
Supervisor:	*Charles Ridenour*
Branch:	*Cypress*
Acres:	*11.7*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*AGRICULTURAL - ROW CROPS*
Potential Contaminants:	*30001 30006 30007 30008*
Confirmed Contaminants:	*NONE SPECIFIED*
Potential Media Affected:	*SOIL*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

404149-11

CORONA-NORCO USD

33010021

CORONA/NORCO USD-TEMESCAL CANYN ELEM SCH

TEMESCAL CANYON ELEMENTARY SCHOOL SITE

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Preliminary Endangerment Assessment Report***
Completion Date:	***2001-12-26 00:00:00***
Comments:	
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	**** Workplan***
Completion Date:	***2001-04-16 00:00:00***
Comments:	
Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	**** Workplan***
Completion Date:	***2001-07-20 00:00:00***
Comments:	

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 38 **DIST/DIR:** NON GC **MAP ID:**

NAME: TEMESCAL CANYON ELEMENTARY
ADDRESS: CLAYSTONE AVENUE/NICKELLAUS COURT
CORONA CA 92883
RIVERSIDE
CONTACT:

REV: 01/16/09
ID1: CAL33010021
ID2: SCHOOL
STATUS: NO FURTHER ACTION
PHONE:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Cost Recovery Closeout Memo*
Completion Date: *2001-12-26 00:00:00*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Environmental Oversight Agreement*
Completion Date: *2000-09-18 00:00:00*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Site Inspections/ Visit*
Completion Date: *2000-12-12 00:00:00*
Comments:

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 30 **DIST/DIR:** NON GC **MAP ID:**

NAME: ORTEGA HIGH SCHOOL/ALTERNATIVE EDUCATION
ADDRESS: CHANEY STREET
LAKE ELSINORE CA 92530
RIVERSIDE
CONTACT:

REV: 01/16/09
ID1: CAL33010008
ID2: SCHOOL
STATUS: NO FURTHER ACTION
PHONE:

GENERAL SITE INFORMATION

Site Type:	*School Investigation*
Status:	*No Further Action*
Status Date:	*2000-06-09*
NPL Site:	*NO*
Funding:	*School District*
Regulatory Agencies Involved:	*SMBRP*
Lead Agency:	*SMBRP*
Project Manager:	
Supervisor:	*Mark Malinowski*
Branch:	*Cypress*
Acres:	*10.14*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*AGRICULTURAL - ROW CROPS*
Potential Contaminants:	*30005 30008 30067 30013 30587*
Confirmed Contaminants:	*NONE SPECIFIED*
Potential Media Affected:	*SOIL*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

400811-11 VCA

400787-11 CDE

LAKE ELSINORE UNIFIED SCHOOL DISTRICT

33010008

LAKE ELSINORE USD-ORTEGA HS

LAKE ELSINORE USD-ORTEGA HS/VCA

ORTEGA HIGH SCHOOL

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	*PROJECT WIDE*
Sub- Area Name:	
Document Type:	*Phase 1*
Completion Date:	*1999-10-21 00:00:00*
Comments:	
Area Name:	*PROJECT WIDE*
Sub- Area Name:	
Document Type:	*Other Report*
Completion Date:	*2000-02-14 00:00:00*
Comments:	*Phase I used for background information.*
Area Name:	*PROJECT WIDE*

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

STATE

SEARCH ID: 30 **DIST/DIR:** NON GC **MAP ID:**

NAME: ORTEGA HIGH SCHOOL/ALTERNATIVE EDUCATION
ADDRESS: CHANEY STREET
LAKE ELSINORE CA 92530
RIVERSIDE
CONTACT:

REV: 01/16/09
ID1: CAL33010008
ID2: SCHOOL
STATUS: NO FURTHER ACTION
PHONE:

Sub- Area Name:
Document Type: ** Workplan*
Completion Date: *2000-03-03 00:00:00*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Cost Recovery Closeout Memo*
Completion Date: *1999-11-17 00:00:00*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Cost Recovery Closeout Memo*
Completion Date: *2003-04-22 00:00:00*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Site Inspections/ Visit*
Completion Date: *2000-01-28 00:00:00*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Voluntary Clean-up Agreement*
Completion Date: *2000-01-25 00:00:00*
Comments:

Area Name: *PROJECT WIDE*
Sub- Area Name:
Document Type: *Preliminary Endangerment Assessment Report*
Completion Date: *2000-06-09 00:00:00*
Comments:

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

SOLID WASTE LANDFILL SITE

SEARCH ID: 41 **DIST/DIR:** NON GC **MAP ID:**

NAME: LANDFILL,ELSINORE-CLOSED
ADDRESS:
LAKE ELSINORE CA
RIVERSIDE
CONTACT: ROBERT NELSON

REV: 07/03/00
ID1: WMUD8 330305005
ID2: 33-AA-0005
STATUS: ACTIVE
PHONE: 9099551370

WMUDS FACILITY INFORMATION (blank = not reported)

Regional ID :
NPDES ID :
Region: *8*
Edit Date: *7/5/94*
Last Edit: *BDNBDNCEN*

Waste Discharger Facility: *Yes*

Sub Chapter 15 Facility: *Yes*
Solid Waste Assessment Test Site: *Yes*
Toxic Pits Cleanup Act Facility: *No*
RCRA Facility: *No*
Department of Defense Facility: *No*
Municipal Solid Waste Facility: *Yes*

Total WMUS at Facility: *1*
Facility Open to the Public: *No*
Facility Type: *SW3*
SIC 1 and SIC 2: *4953 /*

Primary Waste Type: *NONHAZARDOUS SOLID WASTES: SOLID WASTES*
Secondary Waste Type:
Tons Per Day: *0*
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 facilites without treatment systems that are complex, such as marina*

LAND OWNER INFORMATION

Land Owner: *CITY OF ELSINORE*
Department:
Contact and Phone: *, 7146743171*
Land Owner Address: *P.O. DRAWER D, LAKE ELSINORE, CA 92330*

AGENCY INFORMATION

Agency Name: *RIVERSIDE CO. WASTE MGMT*
Department: *WASTE DISPOSAL DIVISION*
Agency Contact and Phone: *ROBERT NELSON, 9099551370*

WASTE MANAGEMENT UNIT INFORMATION (blank = not reported)

WMU ID : *8 330305005-01*
WMU Status: *POST-CLOSURE*
WMU Size in Acres: *44*
Year WMU Will Reach Capacity:
Close Plan: *0*
Avg Depth to Groundwater: *55*
Primary Liner Present: *0*

SOLID WASTE ASSESSMENT TEST PROGRAM INFORMATION (SWAT) (blank = not reported)

Site Name: *RIVERSIDE COUNTY-ELSINORE LANDFILL*

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

SOLID WASTE LANDFILL SITE

SEARCH ID: 41 **DIST/DIR:** NON GC **MAP ID:**

NAME: LANDFILL,ELSINORE-CLOSED
ADDRESS:
LAKE ELSINORE CA
RIVERSIDE
CONTACT: ROBERT NELSON

REV: 07/03/00
ID1: WMUD8 330305005
ID2: 33-AA-0005
STATUS: ACTIVE
PHONE: 9099551370

Site Rank: *2*
Leak to Surface Water: *U*
Leak to Ground: *Y*
Leak to Vandose Zone: *U*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

SOLID WASTE LANDFILL SITE

SEARCH ID: 42 **DIST/DIR:** NON GC **MAP ID:**

NAME: CITY OF PERRIS ILLEGAL DUMP SITE
ADDRESS: WEST END OF 11TH STREET
PERRIS CA 92370
RIVERSIDE
CONTACT:

REV: 04/27/09
ID1: SWIS33-AA-0237
ID2:
STATUS: CLOSED
PHONE:

SITE OPERATOR INFORMATION:

Operator: *City Of Perris*
Operator Address: *1015 South g Street* *Perris* *CA 92370*
Permit Date:
Permit Status:
Land Use Name:
GIS Source for LAT and LONG: *Place*

SITE ACTIVITY INFORMATION:

Activity: *Solid Waste Disposal Site*
Accepted Waste:
Operational Status: *Closed*
Regulatory Status *Unpermitted*
Program Type
Closure Date:
Closure Type: *Estimated*
Permitted Throughput with Units: *0*
Permitted Capacity with Units: *0*
Remaining Capacity with Units (landfills only): *0*
Permitted Total Acreage: *0*
Permitted Disposal Acreage: *0*
Last Tire Inspection Count:
Last Tire Inspection Count Date:
Inspection Frequency: *Annual*

SITE OWNER INFORMATION:

Owner: *City Of Perris*
Owner Phone:
Owner Address: *1015 South g Street*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

SOLID WASTE LANDFILL SITE

SEARCH ID: 43 **DIST/DIR:** NON GC **MAP ID:**

NAME:	GREENWASTE,PERRIS	**REV:**	07/03/00
ADDRESS:	3202 GOETZ RD	**ID1:**	WMUD8 332477001
	PERRIS CA 92570	**ID2:**	
	RIVERSIDE	**STATUS:**	HISTORICAL
CONTACT:	GEORGE BODLAK	**PHONE:**	

WMUDS FACILITY INFORMATION (blank = not reported)

Regional ID :
NPDES ID :
Region: *8*
Edit Date:
Last Edit:

Waste Discharger Facility: *Yes*

Sub Chapter 15 Facility: *Yes*
Solid Waste Assessment Test Site: *No*
Toxic Pits Cleanup Act Facility: *No*
RCRA Facility: *No*
Department of Defense Facility: *No*
Municipal Solid Waste Facility: *No*

Total WMUS at Facility:
Facility Open to the Public: *No*
Facility Type: *OTH*
SIC 1 and SIC 2: *2875 /*

Primary Waste Type: *NONHAZARDOUS SOLID WASTES: SOLID WASTES*
Secondary Waste Type:
Tons Per Day:
Complexity:

LAND OWNER INFORMATION

Land Owner:
Department:
Contact and Phone: ,
Land Owner Address: , ,

AGENCY INFORMATION

Agency Name: *ECOLOGY FARMS MANAGEMENT, INC.*
Department:
Agency Contact and Phone: *GEORGE BODLAK, 9096765277*

WASTE MANAGEMENT UNIT INFORMATION (blank = not reported)

WMU ID : *8 332477001-01*
WMU Status:
WMU Size in Acres:
Year WMU Will Reach Capacity:
Close Plan: *0*
Avg Depth to Groundwater:
Primary Liner Present: *0*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

SOLID WASTE LANDFILL SITE

SEARCH ID: 45 **DIST/DIR:** NON GC **MAP ID:**

NAME:	WEIRICK ROAD ILLEGAL DUMP	**REV:**	11/12/98
ADDRESS:	21550 TEMESCAL CANYON RD.	**ID1:**	SWIS33-AA-0275
	CORONA CA 92207	**ID2:**	
	RIVERSIDE	**STATUS:**	ACTIVE
CONTACT:		**PHONE:**	

Activity: *Solid Waste Disposal Site*
Accepted Waste:
Operational Status: *Closed*
Regulatory Status *Unpermitted*
Closure Date:
Closure Type:
Permitted Throughput with Units:
Permitted Capacity with Units:
Remaining Capacity with Units (landfills only):
Permitted Total Acreage: *0*
Permitted Disposal Acreage: *0*
Last Tire Inspection Count:
Last Tire Inspection Count Date:
Original Tire Inspection Count:
Last Tire Inspection Count Date:
Inspection Frequency: *None*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

SOLID WASTE LANDFILL SITE

SEARCH ID: 44 **DIST/DIR:** NON GC **MAP ID:**

NAME: CORONA CLAY COMPANY
ADDRESS: DAWSON CANYON RD and TEMESCAL CANYON RD
CORONA CA
RIVERSIDE
CONTACT:

REV: 04/27/09
ID1: SWIS33-AA-0068
ID2:
STATUS: CLOSED
PHONE:

SITE OPERATOR INFORMATION:

Operator:
Operator Address:
Permit Date:
Permit Status:
Land Use Name:
GIS Source for LAT and LONG: *Place*

SITE ACTIVITY INFORMATION:

Activity: *Solid Waste Landfill*
Accepted Waste:
Operational Status: *Closed*
Regulatory Status *Exempt*
Program Type
Closure Date:
Closure Type:
Permitted Throughput with Units:
Permitted Capacity with Units:
Remaining Capacity with Units (landfills only):
Permitted Total Acreage: *0*
Permitted Disposal Acreage: *0*
Last Tire Inspection Count:
Last Tire Inspection Count Date:
Inspection Frequency: *Quarterly*

SITE OWNER INFORMATION:

Owner: *WCS International*
Owner Phone: *9096308901*
Owner Address: *3200 East Fronterra Road*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

TRIBAL LAND

SEARCH ID: 87 **DIST/DIR:** NON GC **MAP ID:**

NAME: BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION
ADDRESS: UNKNOWN
CA 92530
RIVERSIDE
CONTACT:

REV: 01/15/08
ID1: BIA-92530
ID2:
STATUS:
PHONE:

BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION

OFFICE: Pacific Regional Office
CONTACT: CLAY GREGORY,REGIONAL DIRECTOR

ADDRESS: 2800 Cottage Way
Sacramento CA 95825
PHONE: Phone: 916-978-6000
FAX: Fax: 916-978-6099

The Native American Consultation Database (NACD) is a tool for identifying consultation contacts for Indian tribes, Alaska Native villages and corporations, and Native Hawaiian organizations. The database is not a comprehensive source of information, but it does provide a starting point for the consultation process by identifying tribal leaders and NAGPRA contacts. This database can be accessed online at the following web address http://home.nps.gov/nacd/

TRIBAL LAND

SEARCH ID: 88 **DIST/DIR:** NON GC **MAP ID:**

NAME: BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION
ADDRESS: UNKNOWN
CA 92570
RIVERSIDE
CONTACT:

REV: 01/15/08
ID1: BIA-92570
ID2:
STATUS:
PHONE:

BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION

OFFICE: Pacific Regional Office
CONTACT: CLAY GREGORY,REGIONAL DIRECTOR

ADDRESS: 2800 Cottage Way
Sacramento CA 95825
PHONE: Phone: 916-978-6000
FAX: Fax: 916-978-6099

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Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

TRIBAL LAND

SEARCH ID: 89 **DIST/DIR:** NON GC **MAP ID:**

NAME:	BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION	**REV:**	01/15/08
ADDRESS:	UNKNOWN	**ID1:**	BIA-92883
	CA 92883	**ID2:**	
	RIVERSIDE	**STATUS:**	
CONTACT:		**PHONE:**	

BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION

OFFICE:	Pacific Regional Office
CONTACT:	CLAY GREGORY,REGIONAL DIRECTOR
ADDRESS:	2800 Cottage Way Sacramento CA 95825
PHONE:	Phone: 916-978-6000
FAX:	Fax: 916-978-6099

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REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 84 **DIST/DIR:** NON GC **MAP ID:**

NAME:	ELSINORE (DISTRICT 8)	**REV:**	05/30/01
ADDRESS:		**ID1:**	AST1713
	LAKE ELSINORE CA	**ID2:**	
	RIVERSIDE	**STATUS:**	AST SWRCB REG.8
CONTACT:		**PHONE:**	

Region:	*8*
Company Name:	*DEPARTMENT OF TRANSPORTATION*
Company Name 2:	*DIVISION OF MAINTENANCE*

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 85 **DIST/DIR:** NON GC **MAP ID:**

NAME:	EVMWD/WASTEWATER PLANT	**REV:**	04/06/2001
ADDRESS:	13200 SHOTGUN TR	**ID1:**	RIVERSIDECO81257
	LAKE ELSINORE CA 92530	**ID2:**	
	RIVERSIDE	**STATUS:**	
CONTACT:		**PHONE:**	

DETAILS NOT AVAILABLE

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

VCP

SEARCH ID: 90 **DIST/DIR:** NON GC **MAP ID:**

NAME:	SO CAL GAS/ELSINORE MGP	**REV:**	01/16/09
ADDRESS:	CNR RILEY FLINT SPRING and POTTERY	**ID1:**	CAL33490082
	ELSINORE CA 92530	**ID2:**	VOLUNTARY CLEANUP
	RIVERSIDE	**STATUS:**	CERTIFIED
CONTACT:		**PHONE:**	

GENERAL SITE INFORMATION

Site Type:	*Voluntary Cleanup*
Status:	*Certified*
Status Date:	*2003-06-30*
NPL Site:	*NO*
Funding:	*Responsible Party*
Regulatory Agencies Involved:	*DTSC*
Lead Agency:	*DTSC*
Project Manager:	
Supervisor:	*Greg Holmes*
Branch:	*Cypress*
Acres:	*2.8*
Assessor s Parcel Number:	*NONE SPECIFIED*
Past Uses:	*MANUFACTURED GAS PLANT*
Potential Contaminants:	*30019*
Confirmed Contaminants:	*30019*
Potential Media Affected:	*SOIL*
Restricted Use:	*NO*
Site Management Required:	*NONE SPECIFIED*
Special Programs Associated with this Site:	*Voluntary Cleanup Program*

OTHER SITE NAMES (blank below = not reported by agency)

33490082

SO. CALIFORNIA GAS - ELSINORE

SOUTHERN CALIFORNIA GAS

SOUTHERN CALIFORNIA GAS COMPANY

TOWN GAS SITE - ELSINORE

110033605695

400337

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Removal Action Completion Report***
Completion Date:	***2003-06-23 00:00:00***
Comments:	*Approximately 2.8 acres in Elsinore was used as a Manufactured Gas Plant (MGP) in 1920 through 1929. From 1923 to 1953 this facility was used as a storage for Natural Gas. MGP operation at the site contaminated the soil with Polynuclear Aromatic Hydrocarbons (PAHs). A total of 3.394 tons of PAH contaminated soil above 0.9 benzo(A)pyrene was excavated and removed.*

Area Name:	***PROJECT WIDE***
Sub- Area Name:	
Document Type:	***Removal Action Workplan***
Completion Date:	***2002-10-21 00:00:00***
Comments:	*Removal Action Workplan for soil completed.*

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

VCP

SEARCH ID: 90 **DIST/DIR:** NON GC **MAP ID:**

NAME:	SO CAL GAS/ELSINORE MGP	**REV:**	01/16/09
ADDRESS:	CNR RILEY FLINT SPRING and POTTERY	**ID1:**	CAL33490082
	ELSINORE CA 92530	**ID2:**	VOLUNTARY CLEANUP
	RIVERSIDE	**STATUS:**	CERTIFIED
CONTACT:		**PHONE:**	

Area Name: *PROJECT WIDE*
Sub-Area Name:
Document Type: *Preliminary Endangerment Assessment Report*
Completion Date: *1994-06-02 00:00:00*
Comments:

Area Name: *PROJECT WIDE*
Sub-Area Name:
Document Type: *Certification*
Completion Date: *2003-06-30 00:00:00*
Comments: *The Department has determined that all appropriate removal/ remedial actions have been completed and that all acceptable engineering practices were implemented and the site requires no operation and maintenance (OandM) and monitoring efforts.*

Area Name: *PROJECT WIDE*
Sub-Area Name:
Document Type: *Voluntary Clean-up Agreement*
Completion Date: *1993-08-20 00:00:00*
Comments:

Area Name: *PROJECT WIDE*
Sub-Area Name:
Document Type: *Voluntary Clean-up Agreement*
Completion Date: *2001-04-30 00:00:00*
Comments:

Environmental FirstSearch Descriptions

NPL: ***EPA*** NATIONAL PRIORITY LIST - The National Priorities List is a list of the worst hazardous waste sites that have been identified by Superfund. Sites are only put on the list after they have been scored using the Hazard Ranking System (HRS), and have been subjected to public comment. Any site on the NPL is eligible for cleanup using Superfund Trust money.
A Superfund site is any land in the United States that has been contaminated by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.
FINAL - Currently on the Final NPL
PROPOSED - Proposed for NPL

NPL DELISTED: ***EPA*** NATIONAL PRIORITY LIST Subset - Database of delisted NPL sites. 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.
DELISTED - Deleted from the Final NPL

CERCLIS: ***EPA*** COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)- CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.
PART OF NPL- Site is part of NPL site
DELETED - Deleted from the Final NPL
FINAL - Currently on the Final NPL
NOT PROPOSED - Not on the NPL
NOT VALID - Not Valid Site or Incident
PROPOSED - Proposed for NPL
REMOVED - Removed from Proposed NPL
SCAN PLAN - Pre-proposal Site
WITHDRAWN - Withdrawn

NFRAP: ***EPA*** COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). 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.
NFRAP – No Further Remedial Action Plan
P - Site is part of NPL site
D - Deleted from the Final NPL
F - Currently on the Final NPL
N - Not on the NPL
O - Not Valid Site or Incident
P - Proposed for NPL
R - Removed from Proposed NPL
S - Pre-proposal Site
W – Withdrawn

RCRA COR ACT: ***EPA*** RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.
RCRAInfo facilities that have reported violations and subject to corrective actions.

RCRA TSD: ***EPA*** RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.
Facilities that treat, store, dispose, or incinerate hazardous waste.

RCRA GEN: ***EPA*** RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM GENERATORS - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional aud national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.
Facilities that generate or transport hazardous waste or meet other RCRA requirements.
LGN - Large Quantity Generators
SGN - Small Quantity Generators
VGN – Conditionally Exempt Generator.
Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

RCRA NLR: ***EPA*** RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.
Facilities not currently classified by the EPA but are still included in the RCRAInfo database. Reasons for non classification:
Failure to report in a timely matter.
No longer in business.
No longer in business at the listed address.
No longer generating hazardous waste materials in quantities which require reporting.

Federal IC / EC: ***EPA*** BROWNFIELD MANAGEMENT SYSTEM (BMS) - database designed to assist EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant Programs.
FEDERAL ENGINEERING AND INSTITUTIONAL CONTROLS- Superfund sites that have either an engineering or an institutional control. The data includes the control and the media contaminated.

ERNS: ***EPA/NRC*** EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) - Database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

Tribal Lands: ***DOI/BIA*** INDIAN LANDS OF THE UNITED STATES - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.

State/Tribal Sites: ***CA EPA*** SMBRPD / CAL SITES- The California Department of Toxic Substances Control (DTSC) has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further

studies may reveal problems. The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), also known as CalSites, is used primarily by DTSC's staff as an informational tool to evaluate and track activities at properties that may have been affected by the release of hazardous substances.
The SMBRPD displays information in six categories. The categories are:
1. CalSites Properties (CS)
2. School Property Evaluation Program Properties (SCH)
3. Voluntary Cleanup Program Properties (VCP)
4. Unconfirmed Properties Needing Further Evaluation (RFE)
Please Note: FirstSearch Reports list the above sites as DB Type (STATE).
5. Unconfirmed Properties Referred to Another Local or State Agency (REF)
6. Properties where a No Further Action Determination has been made (NFA)
Please Note: FirstSearch Reports list the above sites as DB Type (OTHER).
Each Category contains information on properties based upon the type of work taking place at the site. For example, the CalSites database is now one of the six categories within SMPBRD and contains only confirmed sites considered as posing the greatest threat to the public and/or the potential public school sites will be found within the School Property Evaluation Program, and those properties undergoing voluntary investigation and/or cleanup are in the Voluntary Cleanup Program.
CORTESE LIST-Pursuant to Government Code Section 65962.5, the Hazardous Waste and Substances Sites List has been compiled by Cal/EPA, Hazardous Materials Data Management Program. The CAL EPA Dept. of Toxic Substances Control compiles information from subsets of the following databases to make up the CORTESE list:
1. The Dept. of Toxic Substances Control; contaminated or potentially contaminated hazardous waste sites listed in the CAL Sites database. Formerly known as ASPIS are included (CALSITES formerly known as ASPIS).
2. The California State Water Resources Control Board; listing of Leaking Underground Storage Tanks are included (LTANK)
3. The California Integrated Waste Management Board; Sanitary Landfills which have evidence of groundwater contamination or known migration of hazardous materials (formerly WB-LF, now AB 3750).
Note: Track Info Services collects each of the above data sets individually and lists them separately in the following First Search categories in order to provide more current and comprehensive information: CALSITES: SPL, LTANK: LUST, WB-LF: SWL

State Spills 90: ***CA EPA*** SLIC REGIONS 1 - 9- The California Regional Water Quality Control Boards maintain report of sites that have records of spills, leaks, investigation, and cleanups.

State/Tribal SWL: ***CA IWMB/SWRCB/COUNTY*** SWIS SOLID WASTE INFORMATION SYSTEM-The California Integrated Waste Management Board maintains a database on solid waste facilities, operations, and disposal sites throughout the state of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites. For more information on individual sites call the number listed in the source field..
Please Note: This database contains poor site location information for many sites in the First Search reports; therefore, it may not be possible to locate or plot some sites in First Search reports.
WMUDS-The State Water Resources Control Board maintained the Waste Management Unit Database System (WMUDS). It is no longer updated. It tracked management units for several regulatory programs related to waste management and its potential impact on groundwater. Two of these programs (SWAT & TPCA) are no longer on-going regulatory programs as described below. Chapter 15 (SC15) is still an on-going regulatory program and information is updated periodically but not to the WMUDS database. The WMUDS System contains information from the following agency databases: Facility, Waste Management Unit (WMU), Waste Discharger System (WDS), SWAT, Chapter 15, TPCA, RCRA, Inspections, Violations, and Enforcement's.
Note: This database contains poor site location information for many sites in the First Search reports; therefore, it may not be possible to locate or plot some sites in First Search reports.
ORANGE COUNTY LANDFILLS LIST- A list maintained by the Orange County Health Department.

State/Tribal LUST: ***CA SWRCB/COUNTY*** LUSTIS- The State Water Resources Control Board maintains a database of sites with confirmed or unconfirmed leaking underground storage tanks. Information for this database is collected from the states regional boards quarterly and integrated with this database.
SAN DIEGO COUNTY LEAKING TANKS- The San Diego County Department of Environmental Health maintains a database of sites with confirmed or unconfirmed leaking underground storage tanks within its HE17/58 database. For more information on a specific file call the HazMat Duty Specialist at phone number listed in the source information field.

State/Tribal UST/AST: ***CA EPA/COUNTY/CITY*** ABOVEGROUND STORAGE TANKS LISTING-The

Above Ground Petroleum Storage Act became State Law effective January 1, 1990. In general, the law requires owners or operators of AST's with petroleum products to file a storage statement and pay a fee by July 1, 1990 and every two years thereafter, take specific action to prevent spills, and in certain instances implement a groundwater monitoring program. This law does not apply to that portion of a tank facility associated with the production oil and regulated by the State Division of Oil and Gas of the Dept. of Conservation.
SWEEPS / FIDS STATE REGISTERED UNDEGROUND STORAGE TANKS- Until 1994 the State Water Resources Control Board maintained a database of registered underground storage tanks statewide referred to as the SWEEPS System. The SWEEPS UST information was integrated with the CAL EPA's Facility Index System database (FIDS) which is a master index of information from numerous California agency environmental databases. That was last updated in 1994. Track Info Services included the UST information from the FIDS database in its First Search reports for historical purposes to help its clients identify where tanks may possibly have existed. For more information on specific sites from individual paper files archived at the State Water Resources Control Board call the number listed with the source information.
INDIAN LANDS UNDERGROUND STORAGE TANKS LIST- A listing of underground storage tanks currently on Indian Lands under federal jurisdiction. California Indian Land USTS are administered by US EPA Region 9.
CUPA DATABASES & SOURCES- Definition of a CUPA: A Certified Unified Program Agency (CUPA) is a local agency that has been certified by the CAL EPA to implement six state environmental programs within the local agency's jurisdiction. These can be a county, city, or JPA (Joint Powers Authority). This program was established under the amendments to the California Health and Safety Code made by SB 1082 in 1994.
A Participating Agency (PA) is a local agency that has been designated by the local CUPA to administer one or more Unified Programs within their jurisdiction on behalf of the CUPA. A Designated Agency (DA) is an agency that has not been certified by the CUPA but is the responsible local agency that would implement the six unified programs until they are certified.
Please Note: Track Info Services, LLC collects and maintains information regarding Underground Storage Tanks from majority of the CUPAS and Participating Agencies in the State of California. These agencies typically do not maintain nor release such information on a uniform or consistent schedule; therefor, currency of the data may vary. Please look at the details on a specific site with a UST record in the First Search Report to determine the actual currency date of the record as provided by the relevant agency. Numerous efforts are made on a regular basis to obtain updated records.

State/Tribal IC: ***CA EPA*** DEED-RESTRICTED SITES LISTING- The California EPA's Department of Toxic Substances Control Board maintains a list of deed-restricted sites, properties where the DTSC has placed limits or requirements on the future use of the property due to varying levels of cleanup possible, practical or necessary at the site.

State/Tribal VCP: ***CA EPA*** SMBRPD / CAL SITES- The California Department of Toxic Substances Control (DTSC) has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems. The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), also known as CalSites, is used primarily by DTSC's staff as an informational tool to evaluate and track activities at properties that may have been affected by the release of hazardous substances.
The SMBRPD displays information in six categories. The categories are:
1. CalSites Properties (CS)
2. School Property Evaluation Program Properties (SCH)
3. Voluntary Cleanup Program Properties (VCP)
4. Unconfirmed Properties Needing Further Evaluation (RFE)
5. Unconfirmed Properties Referred to Another Local or State Agency (REF)
6. Properties where a No Further Action Determination has been made (NFA)

Please Note: FirstSearch Reports list the above sites as DB Type VC. Each Category contains information on properties based upon the type of work taking place at the site. The VC category contains only those properties undergoing voluntary investigation and/or cleanup and which are listed in the Voluntary Cleanup Program.

Floodplains: ***FEMA*** FLOODPLAINS – database of 100 year and 500 year flood zone boundaries for select counties in the United States

RADON: ***NTIS*** NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

State Permits: ***CA COUNTY*** SAN DIEGO COUNTY HE17 PERMITS- The HE17/58 database tracks establishments issued permits and the status of their permits in relation to compliance with federal, state, and

local regulations that the County oversees. It tracks if a site is a hazardous waste generator, TSD, gas station, has underground tanks, violations, or unauthorized releases. For more information on a specific file call the HazMat Duty Specialist at the phone number listed in the source information field.
SAN BERNARDINO COUNTY HAZARDOUS MATERIALS PERMITS- Handlers and Generators Permit Information Maintained by the Hazardous Materials Division.

State Other: ***CA EPA/COUNTY*** SMBRPD / CAL SITES- The California Department of Toxic Substances Control (DTSC) has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems. The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), also known as CalSites, is used primarily by DTSC's staff as an informational tool to evaluate and track activities at properties that may have been affected by the release of hazardous substances.
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3. Voluntary Cleanup Program Properties (VCP)
4. Unconfirmed Properties Needing Further Evaluation (RFE)
Please Note: FirstSearch Reports list the above sites as DB Type (STATE).
5. Unconfirmed Properties Referred to Another Local or State Agency (REF)
6. Properties where a No Further Action Determination has been made (NFA)
Please Note: FirstSearch Reports list the above sites as DB Type (OTHER).
Each Category contains information on properties based upon the type of work taking place at the site. For example, the CalSites database is now one of the six categories within SMPBRD and contains only confirmed sites considered as posing the greatest threat to the public and/or the potential public school sites will be found within the School Property Evaluation Program, and those properties undergoing voluntary investigation and/or cleanup are in the Voluntary Cleanup Program.
LA COUNTY SITE MITIGATION COMPLAINT CONTROL LOG- The County of Los Angeles Public Health Investigation Compliant Control Log.
ORANGE COUNTY INDUSTRIAL SITE CLEANUPS- List maintained by the Orange County Environmental Health Agency.
RIVERSIDE COUNTY WASTE GENERATORS-A list of facilities in Riverside County which generate hazardous waste.
SACRAMENTO COUNTY MASTER HAZMAT LIST-Master list of facilities within Sacramento County with potentially hazardous materials.
SACRAMENTO COUNTY TOXIC SITE CLEANUPS-A list of sites where unauthorized releases of potentially hazardous materials have occurred.

OIL & GAS WELLS: ***CADC*** Listing of completions, pluggings and permits. Data is obtained only from digital data provided by the California Department of Conservation.

Environmental FirstSearch Database Sources

NPL: ***EPA*** Environmental Protection Agency

Updated quarterly

NPL DELISTED: ***EPA*** Environmental Protection Agency

Updated quarterly

CERCLIS: ***EPA*** Environmental Protection Agency

Updated quarterly

NFRAP: ***EPA*** Environmental Protection Agency.

Updated quarterly

RCRA COR ACT: ***EPA*** Environmental Protection Agency.

Updated quarterly

RCRA TSD: ***EPA*** Environmental Protection Agency.

Updated quarterly

RCRA GEN: ***EPA*** Environmental Protection Agency.

Updated quarterly

RCRA NLR: ***EPA*** Environmental Protection Agency

Updated quarterly

Federal IC / EC: ***EPA*** Environmental Protection Agency

Updated quarterly

ERNS: ***EPA/NRC*** Environmental Protection Agency

Updated semi-annually

Tribal Lands: ***DOI/BIA*** United States Department of the Interior

Updated annually

State/Tribal Sites: ***CA EPA*** The CAL EPA, Depart. Of Toxic Substances Control
Phone: (916) 323-3400

Updated quarterly/when available

State Spills 90: ***CA EPA*** The California State Water Resources Control Board

Updated when available

State/Tribal SWL: ***CA IWMB/SWRCB/COUNTY*** The California Integrated Waste Management Board
Phone:(916) 255-2331
The State Water Resources Control Board
Phone:(916) 227-4365
Orange County Health Department

Updated quarterly/when available

State/Tribal LUST: ***CA SWRCB/COUNTY*** The California State Water Resources Control Board
Phone:(916) 227-4416
San Diego County Department of Environmental Health

Updated quarterly/when available

State/Tribal UST/AST: ***CA EPA/COUNTY/CITY*** The State Water Resources Control Board
Phone:(916) 227-4364
CAL EPA Department of Toxic Substances Control
Phone:(916)227-4404
US EPA Region 9 Underground Storage Tank Program
Phone: (415) 972-3372
ALAMEDA COUNTY CUPAS:
* County of Alameda Department of Environmental Health
* Cities of Berkeley, Fremont, Hayward, Livermore / Pleasanton, Newark, Oakland, San Leandro, Union
ALPINE COUNTY CUPA:
* Health Department (Only updated by agency sporadically)
AMADOR COUNTY CUPA:
* County of Amador Environmental Health Department
BUTTE COUNTY CUPA
* County of Butte Environmental Health Division (Only updated by agency biannually)
CALAVERAS COUNTY CUPA:
* County of Calaveras Environmental Health Department
COLUSA COUNTY CUPA:
* Environmental Health Dept.
CONTRA COSTA COUNTY CUPA:
* Hazardous Materials Program
DEL NORTE COUNTY CUPA:
* Department of Health and Social Services
EL DORADO COUNTY CUPAS:
* County of El Dorado Environmental Health - Solid Waste Div (Only updated by agency annually)
* County of El Dorado EMD Tahoe Division (Only updated by agency annually)
FRESNO COUNTY CUPA:
* Haz. Mat and Solid Waste Programs
GLENN COUNTY CUPA:
* Air Pollution Control District
HUMBOLDT COUNTY CUPA:
* Environmental Health Division
IMPERIAL COUNTY CUPA:
* Department of Planning and Building

INYO COUNTY CUPA:
* Environmental Health Department
KERN COUNTY CUPA:
* County of Kern Environmental Health Department
* City of Bakersfield Fire Department
KINGS COUNTY CUPA:
* Environmental Health Services
LAKE COUNTY CUPA:
* Division of Environmental Health
LASSEN COUNTY CUPA:
* Department of Agriculture
LOS ANGELES COUNTY CUPAS:
* County of Los Angeles Fire Department CUPA Data as maintained by the Los Angeles County Department of Public Works
* County of Los Angeles Environmental Programs Division
* Cities of Burbank, El Segundo, Glendale, Long Beach/Signal Hill, Los Angeles,Pasadena, Santa Fe Springs, Santa Monica, Torrance, Vernon
MADERA COUNTY CUPA:
* Environmental Health Department
MARIN COUNTY CUPA:
* County of Marin Office of Waste Management
* City of San Rafael Fire Department
MARIPOSA COUNTY CUPA:
* Health Department
MENDOCINO COUNTY CUPA:
* Environmental Health Department
MERCED COUNTY CUPA:
* Division of Environmental Health
MODOC COUNTY CUPA:
* Department of Agriculture
MONO COUNTY CUPA:
* Health Department
MONTEREY COUNTY CUPA:
* Environmental Health Division
NAPA COUNTY CUPA:
* Hazardous Materials Section
NEVADA COUNTY CUPA:
* Environmental Health Department
ORANGE COUNTY CUPAS:
* County of Orange Environmental Health Department
* Cities of Anaheim, Fullerton, Orange, Santa Ana
* County of Orange Environmental Health Department
PLACER COUNTY CUPAS:
* County of Placer Division of Environmental Health Field Office
* Tahoe City
* City of Roseville Roseville Fire Department
PLUMAS COUNTY CUPA:
* Environmental Health Department
RIVERSIDE COUNTY CUPA:
* Environmental Health Department
SACRAMENTO COUNTY CUPA:
* County Environmental Mgmt Dept, Haz. Mat. Div.
SAN BENITO COUNTY CUPA:
* City of Hollister Environmental Service Department
SAN BERNARDINO COUNTY CUPAS:
* County of San Bernardino Fire Department, Haz. Mat. Div.
* City of Hesperia Hesperia Fire Prevention Department
*City of Victorville Victorville Fire Department
SAN DIEGO COUNTY CUPA:
* The San Diego County Dept. of Environmental Health HE 17/58
SAN FRANCISCO COUNTY CUPA:

* Department of Public Health
SAN JOAQUIN COUNTY CUPA:
* Environmental Health Division
SAN LUIS OBISPO COUNTY CUPAS:
* County of San Luis Obispo Environmental Health Division
* City of San Luis Obispo City Fire Department
SAN MATEO COUNTY CUPA:
* Environmental Health Department
SANTA BARBARA COUNTY CUPA:
* County Fire Dept Protective Services Division
SANTA CLARA COUNTY CUPAS:
* County of Santa Clara Hazardous Materials Compliance Division
* Santa Clara County Central Fire Protection District (Covers Campbell, Cupertino, Los Gatos, & Morgan Hill)
* Cities of Gilroy, Milpitas, Mountain View, Palo Alto, San Jose Fire, Santa Clara, Sunnyvale
SANTA CRUZ COUNTY CUPA:
* Environmental Health Department
SHASTA COUNTY CUPA:
* Environmental Health Department
SIERRA COUNTY CUPA:
* Health Department
SISKIYOU COUNTY CUPA:
* Environmental Health Department
SONOMA COUNTY CUPAS:
* County of Sonoma Department Of Environmental Health
* Cities of Healdsburg / Sebastopol, Petaluma, Santa Rosa
STANISLAUS COUNTY CUPA:
* Department of Environmental Resources Haz. Mat. Division
SUTTER COUNTY CUPA:
* Department of Agriculture
TEHAMA COUNTY CUPA:
* Department of Environmental Health
TRINITY COUNTY CUPA:
* Department of Health
TULARE COUNTY CUPA:
* Environmental Health Department
TUOLUMNE COUNTY CUPA:
* Environmental Health
VENTURA COUNTY CUPAS:
* County of Ventura Environmental Health Division
* Cities of Oxnard, Ventura
YOLO COUNTY CUPA:
* Environmental Health Department
YUBA COUNTY CUPA:

Updated quarterly/annually/when available

State/Tribal IC: ***CA EPA*** The California EPA Department of Toxic Substances Control.

Updated Updated quarterly/annually/when available

State/Tribal VCP: ***CA EPA*** The California EPA Department of Toxic Substances Control.

Updated Updated quarterly/annually/when available

Floodplains: ***FEMA*** Federal Emergency Management Agency

Updated when available

RADON: ***NTIS*** Environmental Protection Agency, National Technical Information Services

Updated periodically

State Permits: ***CA COUNTY*** The San Diego County Depart. Of Environmental Health
Phone:(619) 338-2211
San Bernardino County Fire Department

Updated quarterly/when available

State Other: ***CA EPA/COUNTY*** The CAL EPA, Depart. Of Toxic Substances Control
Phone: (916) 323-3400
The Los Angeles County Hazardous Materials Division
Phone: (323) 890-7806
Orange County Environmental Health Agency
Phone: (714) 834-3536
Riverside County Department of Environmental Health, Hazardous Materials Management Division
Phone:(951) 358-5055
Sacramento County Environmental Management Department

Updated quarterly/when available

OIL & GAS WELLS: ***CADC*** California Department of Conservation.

Updated quarterly

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

Target Property: 14116 TEMESCAL CANYON ROAD
LAKE ELSINORE CA 92530

JOB: ALBERHILL

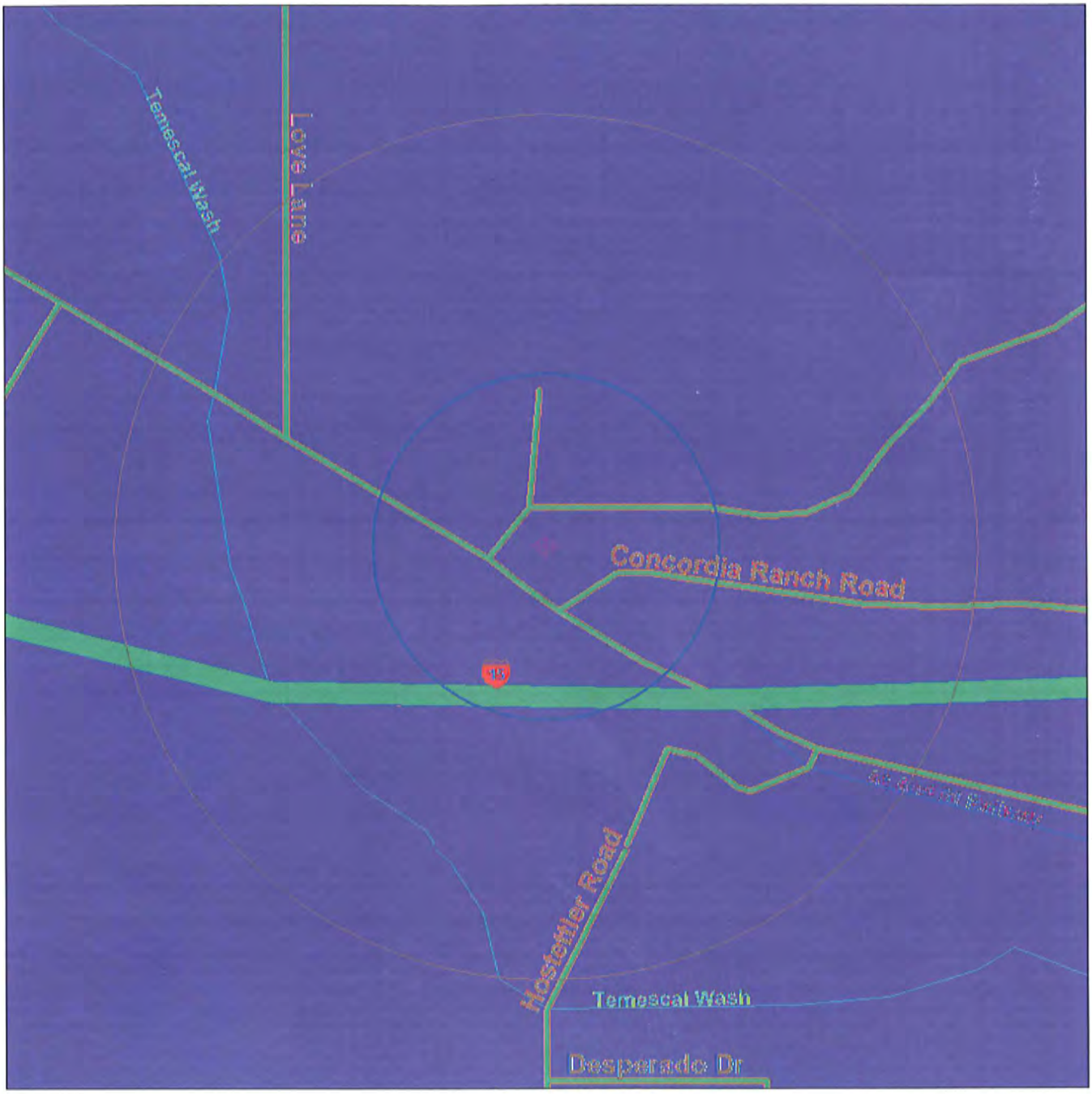
Street Name	Dist/Dir	Street Name	Dist/Dir
Concordia Ranch Rd	0.04 SE		
Hostettler Rd	0.20 SE		
I-15	0.09 SW		
Love Ln	0.16 NW		
Temescal Canyon Rd	0.03 SW		

Environmental FirstSearch

.25 Mile Radius

ASTM-05: RCRAGEN, UST, PERMITS, OTHER

14116 TEMESCAL CANYON ROAD, LAKE ELSINORE CA 92530



Source: U.S. Census TIGER Files

Target Site (Latitude: 33.73446 Longitude: -117.414011) .....

Identified Site, Multiple Sites, Receptor .....

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Triballand.....

Railroads .....

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius

Floodplains: 100 Year, 500 Year .....

Oil Gas Wells .....

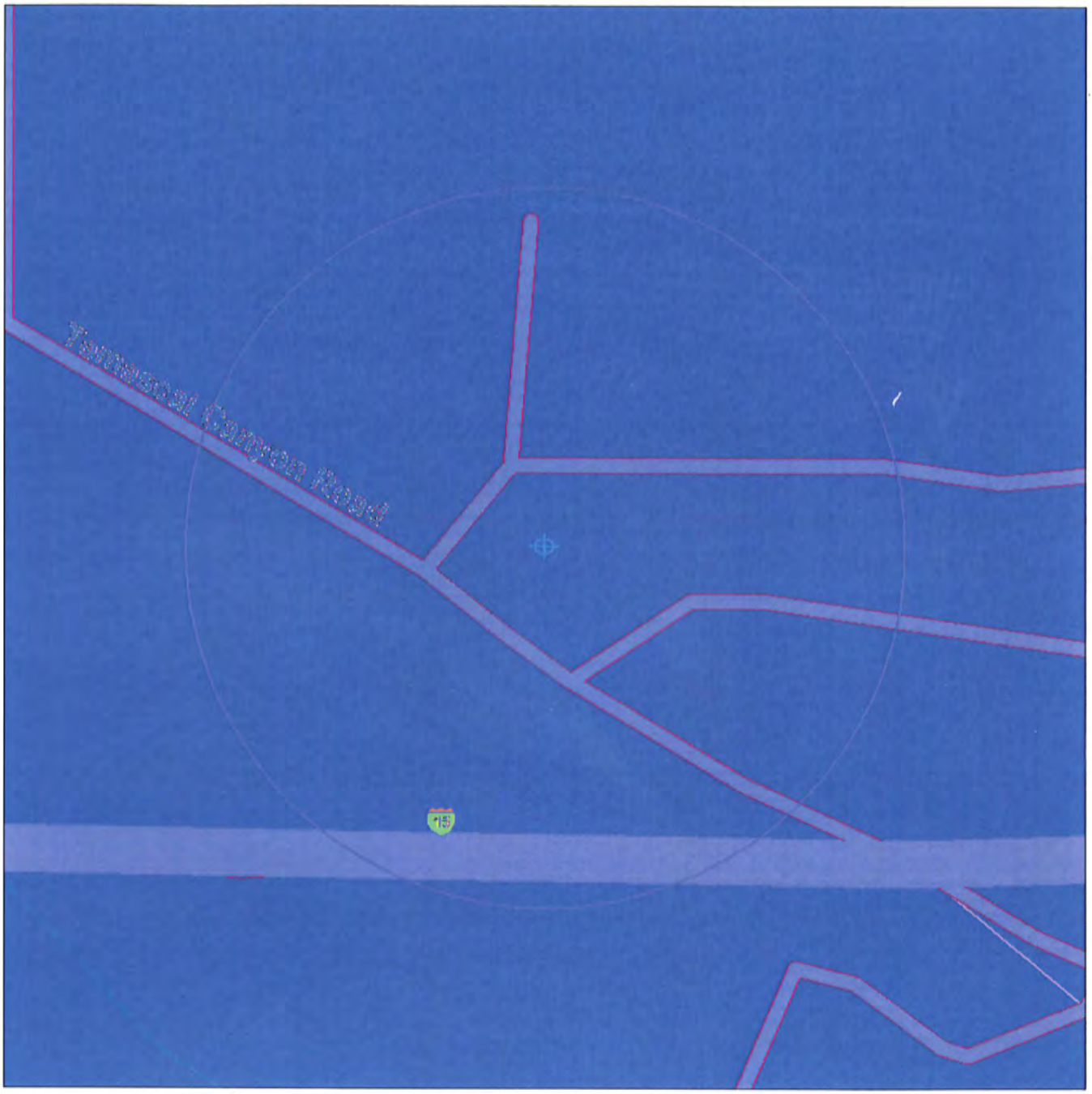
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Environmental FirstSearch

.12 Mile Radius

ASTM-05: SPILLS90, ERNS, RCRANLR

14116 TEMESCAL CANYON ROAD, LAKE ELSINORE CA 92530



Source: U.S. Census TIGER Files

Target Site (Latitude: 33.73446 Longitude: -117.414011) .....

Identified Site, Multiple Sites, Receptor .....

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Triballand.....

Railroads .....

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius

Floodplains: 100 Year, 500 Year .....

Oil Gas Wells .....

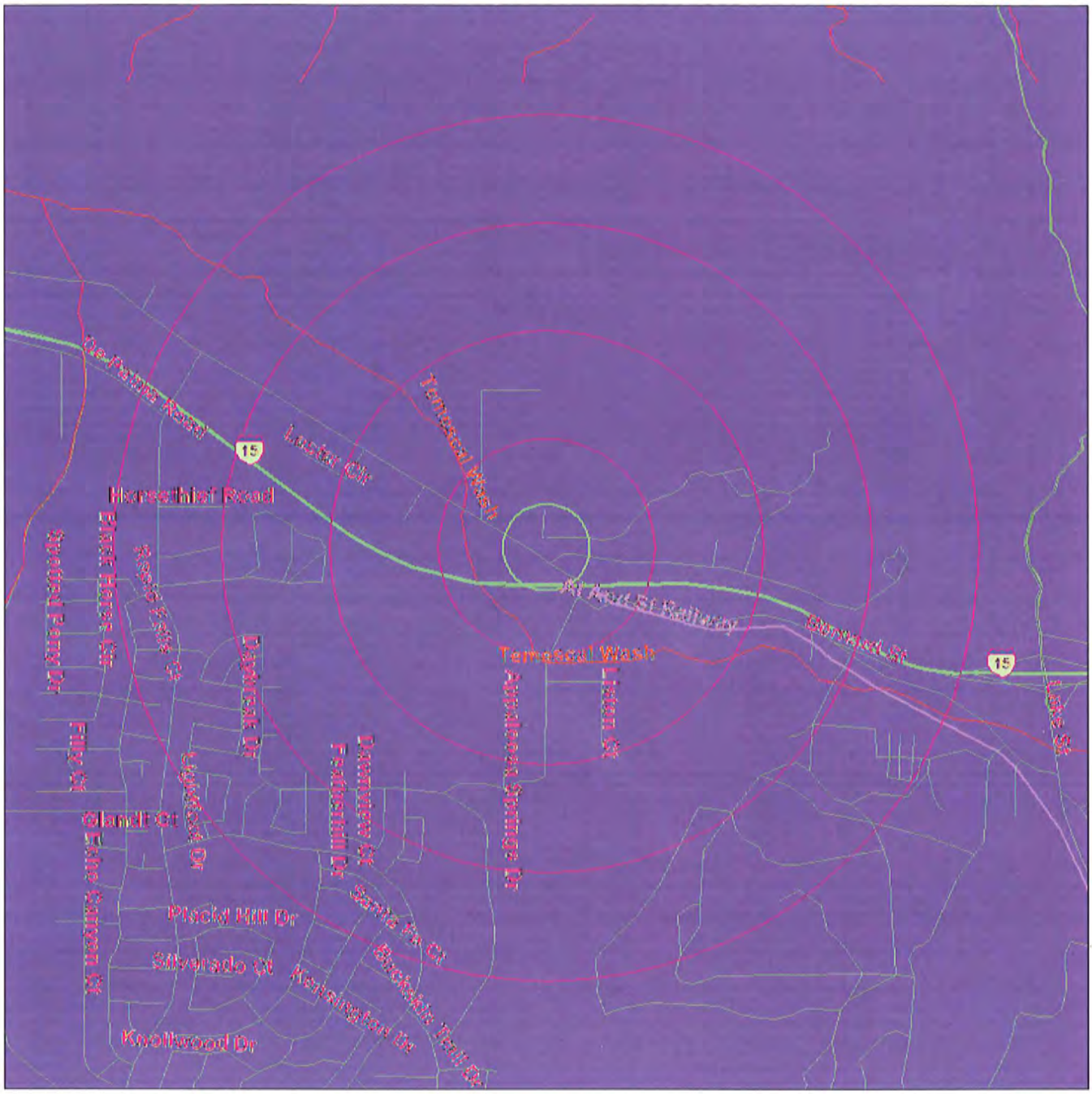
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Environmental FirstSearch

1 Mile Radius

Single Map:

14116 TEMESCAL CANYON ROAD, LAKE ELSINORE CA 92530



Source: U.S. Census TIGER Files

Target Site (Latitude: 33.73446 Longitude: -117.414011) .....

Identified Site, Multiple Sites, Receptor .....

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Triballand.....

Railroads .....

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius

Floodplains: 100 Year, 500 Year .....

Oil Gas Wells .....

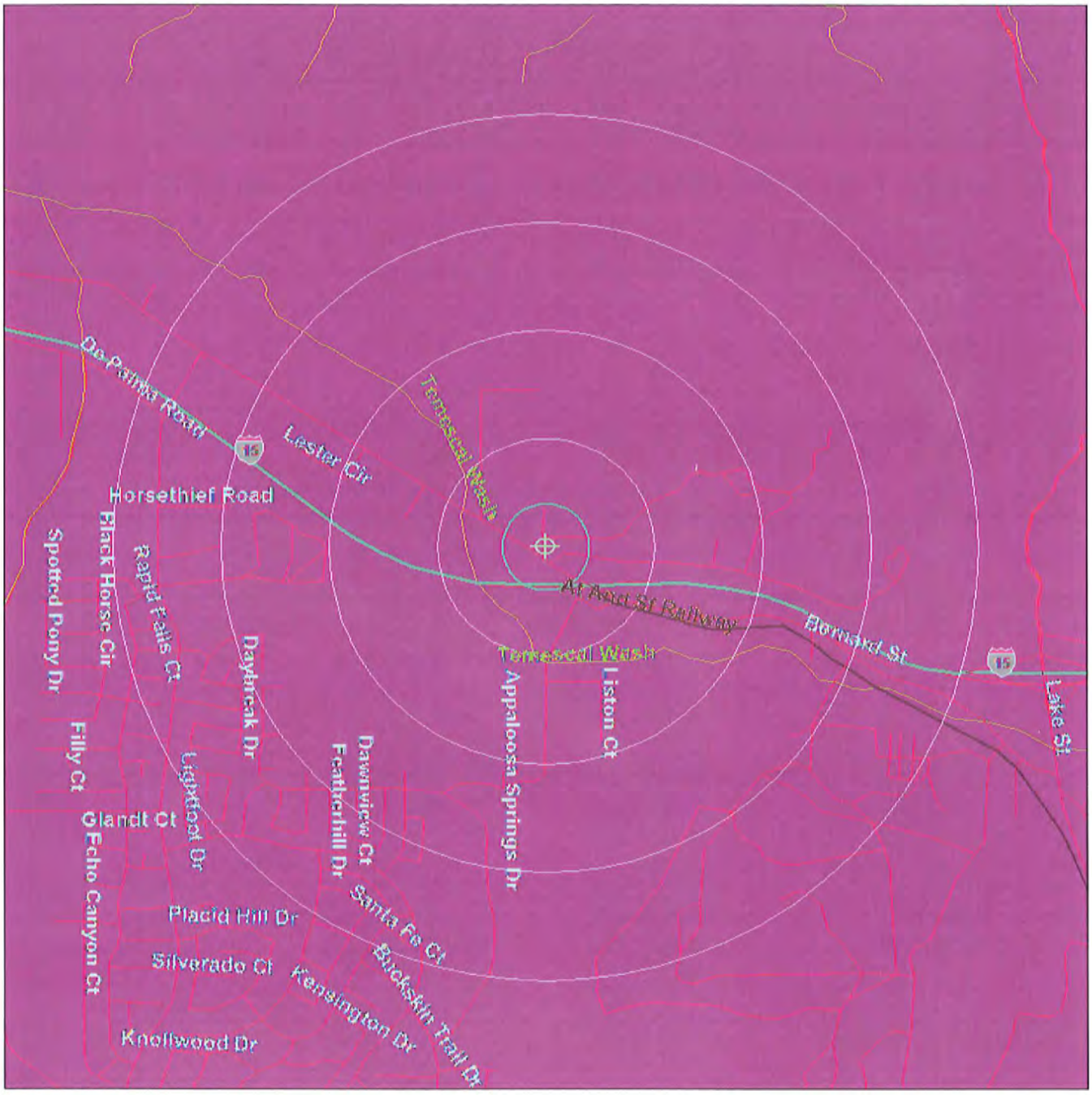
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Environmental FirstSearch

1 Mile Radius

ASTM-05: NPL, RCRACOR, STATE, FLOODZONE

14116 TEMESCAL CANYON ROAD, LAKE ELSINORE CA 92530



Source: U.S. Census TIGER Files

Target Site (Latitude: 33.73446 Longitude: -117.414011) .....

Identified Site, Multiple Sites, Receptor .....

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Triballand.....

Railroads .....

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius

Floodplains: 100 Year, 500 Year .....

Oil Gas Wells .....

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Environmental FirstSearch

.5 Mile Radius

ASTM-05: Multiple Databases

14116 TEMESCAL CANYON ROAD, LAKE ELSINORE CA 92530



Source: U.S. Census TIGER Files

Target Site (Latitude: 33.73446 Longitude: -117.414011) .....

Identified Site, Multiple Sites, Receptor .....

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Triballand.....

Railroads .....

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius

Floodplains: 100 Year, 500 Year .....

Oil Gas Wells .....

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Appendix J

APPENDIX J

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Louis B. Davis
Region Manager
Local Public Affairs

August 31, 2009

Supervisor Bob Buster
County of Riverside
4080 Lemon Street, 5th Floor
Riverside, CA 92502

Dear Supervisor Buster,

Southern California Edison Company (SCE) will be filing an application with the California Public Utilities Commission (CPUC) for authority to build the Alberhill System Project, a portion of which is proposed to be constructed in the County of Riverside.

CPUC General Order 131-D, which governs this approval process, requires SCE to request a written position statement from the cities and counties through which the proposed project will traverse regarding the project, and to include those position statements in the application. The purpose of this letter is to request from you a written position statement regarding this project.

SCE is proposing the Alberhill System Project to help meet increased electrical demand in the region, strengthen the area's electrical grid, and allow SCE to maintain safe, reliable electrical service. The enclosed Information Sheet was mailed to residents and other interested parties within the project vicinity. Briefly, the major components of the project include a new 500/115 kilovolt (kV) transmission substation, two new 500kV line segments, a new 115 kV subtransmission line, and modifications to existing subtransmission lines.

We ask you to review the project information and send us a written statement from the County of Riverside regarding the project by September 15, 2009 for inclusion in the CPUC application. I am available to discuss this project further and to answer any questions the County may have beforehand, if you wish.

Thank you for your cooperation.

Sincerely,

Louis Davis
SCE Region Manager

24487 Prielipp Drive
Wildomar, CA 92595
(951) 249-8468 PAX 19468
Fax: (951) 249-8633
Louis.Davis@sce.com

SOUTHERN CALIFORNIA
EDISON®
An *EDISON INTERNATIONAL*® Company

Viet N. Tran
Region Manager

August 31, 2009

Robert Brady
City Manager
City of Lake Elsinore
130 South Main Street
Lake Elsinore, CA 92530

Dear Mr. Brady:

Southern California Edison Company (SCE) will be filing an application with the California Public Utilities Commission (CPUC) for authority to build the Alberhill System Project, a portion of which is proposed to be constructed in part of the City of Lake Elsinore.

CPUC General Order 131-D, which governs this approval process, requires SCE to request a written position statement from the cities and counties through which the proposed project will traverse regarding the project, and to include those position statements in the application. The purpose of this letter is to request from you a written position statement regarding this project.

SCE is proposing the Alberhill System Project to help meet increased electrical demand in the region, strengthen the area's electrical grid, and allow SCE to maintain safe, reliable electrical service. The enclosed Information Sheet was mailed to residents and other interested parties within the project vicinity. Briefly, the major components of the project include a new 500/115 kilovolt (kV) transmission substation, two new 500kV line segments, a new 115 kV subtransmission line, and modifications to existing subtransmission lines.

We ask you to review the project information and send us a written statement from the City of Lake Elsinore regarding the project by September 15, 2009 for inclusion in the CPUC application. I am available to discuss this project further and to answer any questions you may have beforehand, if you wish.

Thank you for your cooperation.

Sincerely,

Viet N. Tran
Region Manager

24487 Prielipp Drive
Wildomar, CA 92595
(951) 249-8466
Fax: (951) 249-8653
viet.tran@sce.com

SOUTHERN CALIFORNIA
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Raymond Hicks
Region Manager

August 31, 2009

George Wentz
City Manager
City of Menifee
29714 Haun Road
Menifee, CA 92586

Dear Mr. Wentz:

Southern California Edison Company (SCE) will be filing an application with the California Public Utilities Commission (CPUC) for authority to build the Alberhill System Project, a portion of which is proposed to be constructed in part of the City of Menifee.

CPUC General Order 131-D, which governs this approval process, requires SCE to request a written position statement from the cities and counties through which the proposed project will traverse regarding the project, and to include those position statements in the application. The purpose of this letter is to request from you a written position statement regarding this project.

SCE is proposing the Alberhill System Project to help meet increased electrical demand in the region, strengthen the area's electrical grid, and allow SCE to maintain safe, reliable electrical service. The enclosed Information Sheet was mailed to residents and other interested parties within the project vicinity. Briefly, the major components of the project include a new 500/115 kilovolt (kV) transmission substation, two new 500kV line segments, a new 115 kV subtransmission line, and modifications to existing subtransmission lines.

We ask you to review the project information and send us a written statement from the City of Menifee regarding the project by September 15, 2009 for inclusion in the CPUC application. I am available to discuss this project further and to answer any questions the County may have beforehand, if you wish.

Thank you for your cooperation.

Sincerely,

Raymond Hicks
Region Manager

RH:me

26100 Menifee Road
Romoland, CA 92585
(951) 928-8208
Fax: (951) 928-8308
raymond.hicks@sce.com

SOUTHERN CALIFORNIA
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Viet N. Tran
Region Manager

August 31, 2009

John Danielson
City Manager
City of Wildomar
23873 Clinton Keith Road, Suite 201
Wildomar, CA 92595

Dear Mr. Danielson:

Southern California Edison Company (SCE) will be filing an application with the California Public Utilities Commission (CPUC) for authority to build the Alberhill System Project, a portion of which is proposed to be constructed in part of the City of Wildomar.

CPUC General Order 131-D, which governs this approval process, requires SCE to request a written position statement from the cities and counties through which the proposed project will traverse regarding the project, and to include those position statements in the application. The purpose of this letter is to request from you a written position statement regarding this project.

SCE is proposing the Alberhill System Project to help meet increased electrical demand in the region, strengthen the area's electrical grid, and allow SCE to maintain safe, reliable electrical service. The enclosed Information Sheet was mailed to residents and other interested parties within the project vicinity. Briefly, the major components of the project include a new 500/115 kilovolt (kV) transmission substation, two new 500kV line segments, a new 115 kV subtransmission line, and modifications to existing subtransmission lines.

We ask you to review the project information and send us a written statement from the City of Wildomar regarding the project by September 15, 2009 for inclusion in the CPUC application. I am available to discuss this project further and to answer any questions beforehand, if you wish.

Thank you for your cooperation.

Sincerely,

Viet N. Tran
Region Manager

24487 Prielipp Drive
Wildomar, CA 92595
(951) 249-8466
Fax: (951) 249-8653
viet.tran@sce.com

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Viet N. Tran
Region Manager

August 31, 2009

Lori Moss
City Manager
City of Canyon Lake
31516 Railroad Canyon Road
Canyon Lake, CA 92595

Dear Ms. Moss:

Southern California Edison Company (SCE) will be filing an application with the California Public Utilities Commission (CPUC) for authority to build the Alberhill System Project, a portion of which is proposed to be constructed near the City of Canyon Lake.

CPUC General Order 131-D, which governs this approval process, requires SCE to request a written position statement from the cities and counties through which the proposed project will traverse regarding the project, and to include those position statements in the application. The purpose of this letter is to request from you a written position statement regarding this project.

SCE is proposing the Alberhill System Project to help meet increased electrical demand in the region, strengthen the area's electrical grid, and allow SCE to maintain safe, reliable electrical service. The enclosed Information Sheet was mailed to residents and other interested parties within the project vicinity. Briefly, the major components of the project include a new 500/115 kilovolt (kV) transmission substation, two new 500kV line segments, a new 115 kV subtransmission line, and modifications to existing subtransmission lines.

We ask you to review the project information and send us a written statement from the City of Canyon Lake regarding the project by September 15, 2009 for inclusion in the CPUC application. I am available to discuss this project further and to answer any questions beforehand, if you wish.

Thank you for your cooperation.

Sincerely,

Viet N. Tran
Region Manager

24487 Prielipp Drive
Wildomar, CA 92595
(951) 249-8466
Fax: (951) 249-8653
viet.tran@sce.com

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

May 21, 2008
(6136)

Mr. Dave Singleton
Program Analyst
Native American Heritage Commission
915 Capitol Mall, Room 364
Sacramento, CA 95814

VIA FACSIMILE (916) 657-5390

Subject: **Lands File Search Request for the Proposed Alberhill Substation Project, Riverside County, California**

Dear Mr. Singleton:

Southern California Edison requests a review of the Sacred Lands File for the siting of the proposed Alberhill Substation in Riverside County, California.

The project area, as shown on the attached map, is located in:

Section 6 of Township 5 South and Range 6 West, and Sections 7, 8 and 16 of Township 5 South and Range 5 West of the San Bernardino Base Meridian on the U.S. Geological Survey 7.5' *Alberhill*, California topographic quadrangle sheet.

Please fax the results of this search to my attention at (626) 302-9130. For correspondence, please reference the project number of **6136**. If you have any questions regarding this request, please do not hesitate to contact me at (626) 302-7098. I can also be reached via email at koral.ahmet@sce.com. Thank you for your assistance with this project!

Sincerely,

Koral Ahmet, MA, RPA
Archaeologist
Southern California Edison
Corporate Environment Health & Safety

Attachment: As stated

2244 Walnut Grove Avenue
Rosemead, CA 91770
Phone: (626) 302-7098
Fax: (626) 302-9130
koral.ahmet@sce.com

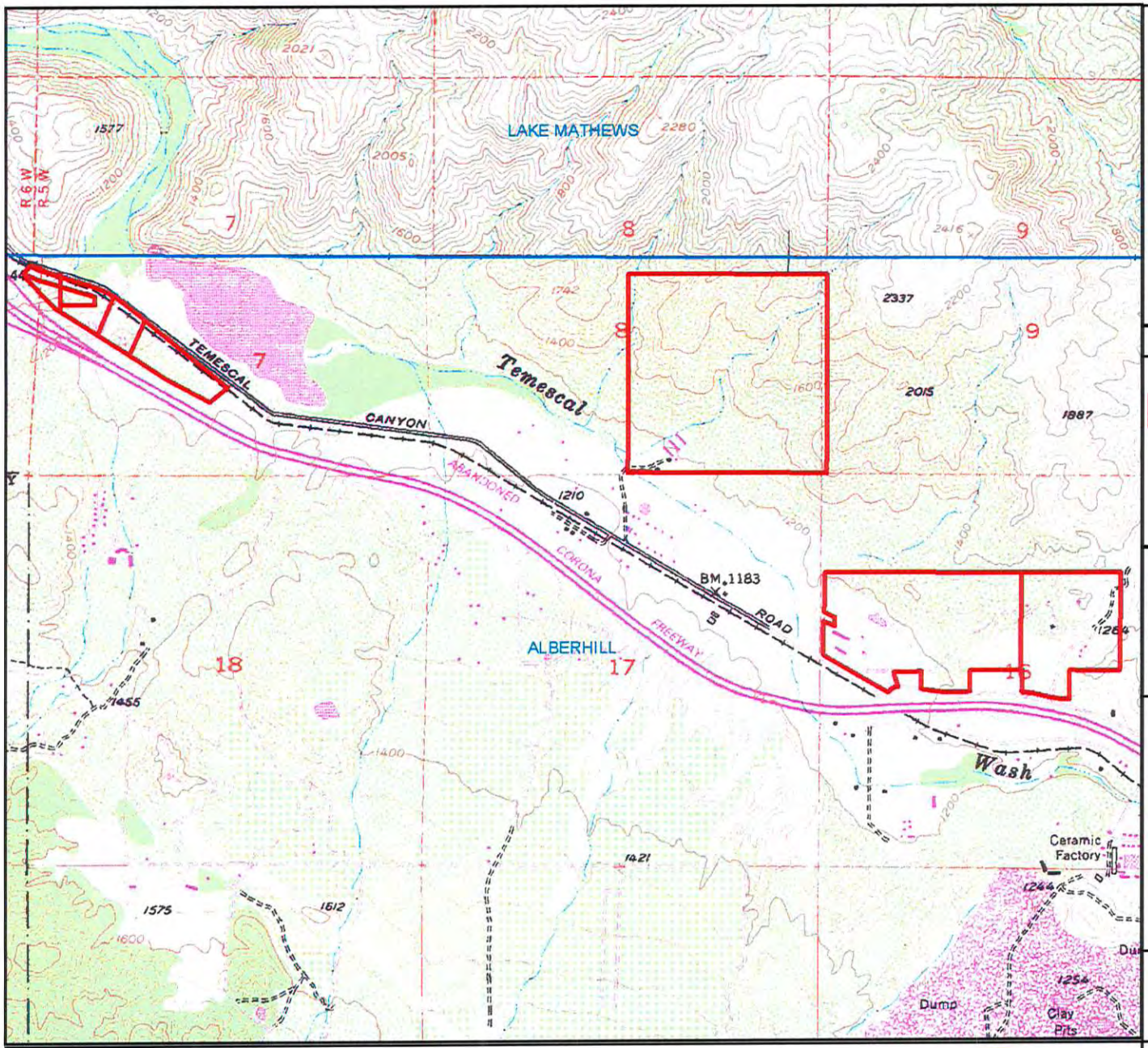


Figure 1 - Project Location Map

Cultural Resource Assessment for the Southern California Edison Proposed Alberhill Substation, Riverside County, California

Job# 6136

SE Quarter of Section 6 of Township 5 South and Range 6 West; SW Quarter of Section 7, SE Quarter of Section 8, and NW and NE Quarters of Section 16 of Township 5 South and Range 5 West (SB Base Meridian)

Alberhill USGS Topographic Quadrangle 1954 (p/r 1973)

Legend

Potential Substation Site

Issued For: TBDU

Prepared By: Koral Ahmet

Date: May 19, 2008

Project Number: 6136

Projection: NAD 83 UTM Zone 11

Index Map



Contains Transmission Information Distribution limited to FERC Standards of Conduct CONFIDENTIAL Contains Critical Electric Infrastructure Information If any questions contact Corporate Security (27875) for handling/storage requirements.

Southern California Edison (SCE) has no reason to believe that there are any inaccuracies or defects with information incorporated in this work and make no representations of any kind, including, but not limited to, the warranties of merchantability or fitness for a particular use, nor are any such warranties to be implied, with respect to the information or data, furnished herein. No part of this map may be reproduced or transmitted in any form or by any means electronic or mechanical, including phototcopying and recording system, except as expressly permitted in writing by SCE.

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STATE OF CALIFORNIA Arnold Schwarzenegger, Governor

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
e-mail: ds_nahc@pacbell.net

May 22, 2008

Koral Ahmet
Southern California Edison
2244 Walnut Grove Ave.
Rosemead, CA 91700

Sent by FAX to: 626-302-9130
Number of pages: 3

Re: Proposed Alberhill Substation Project, Riverside County

Dear Mr. Ahmet:

The Native American Heritage Commission was able to perform a record search of its Sacred Lands File (SLF) for the affected project area. The SLF failed to indicate the presence of Native American cultural resources in the immediate project area. The absence of specific site information in the Sacred Lands File does not guarantee the absence of cultural resources in any 'area of potential effect (APE).'

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries once a project is underway. Enclosed are the nearest tribes that may have knowledge of cultural resources in the project area. A List of Native American contacts are attached to assist you. The Commission makes no recommendation of a single individual or group over another. It is advisable to contact the person listed; if they cannot supply you with specific information about the impact on cultural resources, they may be able to refer you to another tribe or person knowledgeable of the cultural resources in or near the affected project area (APE).

Lack of surface evidence of archeological resources does not preclude the existence of archeological resources. Lead agencies should consider avoidance, as defined in Section 15370 of the California Environmental Quality Act (CEQA) when significant cultural resources could be affected by a project. Also, Public Resources Code Section 5097.98 and Health & Safety Code Section 7050.5 provide for provisions for accidentally discovered archeological resources during construction and mandate the processes to be followed in the event of an accidental discovery of any human remains in a project location other than a 'dedicated cemetery. Discussion of these should be included in your environmental documents, as appropriate.

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

Attachment: Native American Contact List

Native American Contacts
Riverside County
May 22, 2008

Cahuilla Band of Indians
Anthony Madrigal, Jr., Chairperson
P.O. Box 391760 Cahuilla
Anza , CA 92539
tribalcouncil@cahuilla.net
(951) 763-2631

(951) 763-2632 Fax

Santa Rosa Band of Mission Indians
John Marcus, Chairman
P.O. Box 609 Cahuilla
Hemet , CA 92546
srtribaloffice@aol.com
(951) 658-5311
(951) 658-6733 Fax

Pechanga Band of Mission Indians
Paul Macarro, Cultural Resource Center
P.O. Box 1477 Luiseno
Temecula , CA 92593
(951) 308-9295 Ext 8106
(951) 676-2768
(951) 506-9491 Fax

Morongo Band of Mission Indians
Michael Contreras, Cultural Resources-Project
49750 Seminole Drive Cahuilla
Cabazon , CA 92230 Serrano
(951) 755-5206

(951) 922-8146 Fax

Ramona Band of Cahuilla Mission Indians
Joseph Hamilton, vice chairman
P.O. Box 391670 Cahuilla
Anza , CA 92539
admin@ramonatribe.com
(951) 763-4105
(951) 763-4325 Fax

Cupa Cultural Center (Pala Band)
Shasta Gaughen, Assistant Director
35008 Pala-Temecula Rd.PMB Box 445 Luiseno
Pala , CA 92059
cupa@palatribe.com
(760) 742-1590
(760) 742-4543 - FAX

Soboba Band of Mission Indians
Chairperson
P.O. Box 487 Luiseno
San Jacinto , CA 92581
dhill@soboba-nsn.gov
(951) 654-2765
(951) 654-4198 - Fax

Pechanga Band of Mission Indians
Mark Macarro, Chairperson
P.O. Box 1477 Luiseno
Temecula , CA 92593
tbrown@pechanga-nsn.gov
(951) 676-2768
(951) 695-1778 Fax

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

Distribution of this list does not relieve any person of 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 only applicable for contacting local Native Americans with regard to cultural resources for the propose Alberhill Substation Project located in Temescal Canyon, a Southern California Edison Project (#6136); Riverside County, Clalifornia for which a Sacred Lands File search and Native American Contacts! list were requested.

Native American Contacts
Riverside County
May 22, 2008

Willie Pink
48310 Pechanga Road Luiseno
Temecula , CA 92592
wjpink@hotmail.com
(909) 936-1216
Prefers e-mail contact

Soboba Band of Luiseno Indians
Erica Helms, Cultural Resources Manager
P.O. Box 487 Luiseno
San Jacinto , CA 92581
dhill@soboba-nsn.gov
(951) 654-2765
FAX: (951) 654-4198

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

Distribution of this list does not relieve any person of 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 only applicable for contacting local Native Americans with regard to cultural resources for the propose Alberhill Substation Project located in Temescal Canyon, a Southern California Edison Project (#6136); Riverside County, Clalifornia for which a Sacred Lands File search and Native American Contacts! list were requested.

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Michael Contreras
Morongo Band of Mission Indians
49750 Seminole Drive
Cabazon, CA 92230

February 17, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, including Sub-Transmission, and Transmission Feeder Lines, Riverside County, California

Dear Mr. Contreras:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the project area.

The proposed substation is located north of Interstate 15 and Temescal Canyon Road near the community of Alberhill. The project is situated in Section 15, Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (Figure 1. Project area Overview and Figure 2.), and will consist of approximately 140 acres. The proposed substation site has been previously surveyed for cultural resources. This cultural resources study identified historic foundations and an historic-age house. These resources were subsequently evaluated and recommended as not eligible for listing on the California Register of Historic Resources (CRHR). A records search conducted with the Eastern Information Center, University of California Riverside did not yield any previously recorded prehistoric archaeological sites within the proposed substation property.

The proposed 500kV source line is located north of the proposed substation, and will connect to the existing Serrano-Valley 500kV circuit. A one-quarter mile buffer around the proposed 500kV source line is depicted as Conceptual Routes 500kV on the attached map. The proposed route is located in Sections 9, 10, 15, and 16 of Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (see Figures 1 and 2). No previously recorded prehistoric or historic sites have been identified within this buffer for the proposed transmission line corridor.

The proposed 115kV source line is proposed to the east of the substation site, and will be constructed within a one-quarter mile buffer around the proposed route in an area defined as the Northern Corridor shown on the attached map. The proposed corridor for the 115kV line is situated in various sections of Townships 5 & 6 South and Ranges 3, 4 & 5 West, on the USGS 7.5" Alberhill, Elsinore and Romoland quadrangles (see Figures 1-6). Much of the proposed route will be constructed along existing 115kV circuits, and will not require new construction.

P.O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

However, new construction for the 115kV line may be necessary along Menifee Road between Newport Road and Scott Road (Figures 5 and 6). A cultural resources records search identified a number of previously recorded archaeological sites within the buffer area. SCE plans to avoid these resources to minimize any impacts that could result from the proposed construction of the 115kV source line.

Project location maps are enclosed as an attachment for your reference.

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

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

If you have any questions, please feel free to call me at (626) 302-1154 or via e-mail at sara.bholat@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Shasta Gaughen, Assistant Director
Cupa Cultural Center (Pala Band)
35008 Pala-Temecula Road
PMB Box 445
Pala, CA 92059

February 17, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, including Sub-Transmission, and Transmission Feeder Lines, Riverside County, California

Dear Ms. Gaughen:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the project area.

The proposed substation is located north of Interstate 15 and Temescal Canyon Road near the community of Alberhill. The project is situated in Section 15, Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (Figure 1. Project area Overview and Figure 2.), and will consist of approximately 140 acres. The proposed substation site has been previously surveyed for cultural resources. This cultural resources study identified historic foundations and an historic-age house. These resources were subsequently evaluated and recommended as not eligible for listing on the California Register of Historic Resources (CRHR). A records search conducted with the Eastern Information Center, University of California Riverside did not yield any previously recorded prehistoric archaeological sites within the proposed substation property.

The proposed 500kV source line is located north of the proposed substation, and will connect to the existing Serrano-Valley 500kV circuit. A one-quarter mile buffer around the proposed 500kV source line is depicted as Conceptual Routes 500kV on the attached map. The proposed route is located in Sections 9, 10, 15, and 16 of Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (see Figures 1 and 2). No previously recorded prehistoric or historic sites have been identified within this buffer for the proposed transmission line corridor.

The proposed 115kV source line is proposed to the east of the substation site, and will be constructed within a one-quarter mile buffer around the proposed route in an area defined as the Northern Corridor shown on the attached map. The proposed corridor for the 115kV line is situated in various sections of Townships 5 & 6 South and Ranges 3, 4 & 5 West, on the USGS 7.5" Alberhill, Elsinore and Romoland quadrangles (see Figures 1-6). Much of the proposed

P.O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

route will be constructed along existing 115kV circuits, and will not require new construction. However, new construction for the 115kV line may be necessary along Menifee Road between Newport Road and Scott Road (Figures 5 and 6). A cultural resources records search identified a number of previously recorded archaeological sites within the buffer area. SCE plans to avoid these resources to minimize any impacts that could result from the proposed construction of the 115kV source line.

Project location maps are enclosed as an attachment for your reference.

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

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

If you have any questions, please feel free to call me at (626) 302-1154 or via e-mail at sara.bholat@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Joseph Hamilton, Vice Chairman
Ramona Band of Cahuilla Mission Indians
P.O. Box 391670
Anza, CA 92539

February 17, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, including Sub-Transmission, and Transmission Feeder Lines, Riverside County, California

Dear Mr. Hamilton:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the project area.

The proposed substation is located north of Interstate 15 and Temescal Canyon Road near the community of Alberhill. The project is situated in Section 15, Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (Figure 1. Project area Overview and Figure 2.), and will consist of approximately 140 acres. The proposed substation site has been previously surveyed for cultural resources. This cultural resources study identified historic foundations and an historic-age house. These resources were subsequently evaluated and recommended as not eligible for listing on the California Register of Historic Resources (CRHR). A records search conducted with the Eastern Information Center, University of California Riverside did not yield any previously recorded prehistoric archaeological sites within the proposed substation property.

The proposed 500kV source line is located north of the proposed substation, and will connect to the existing Serrano-Valley 500kV circuit. A one-quarter mile buffer around the proposed 500kV source line is depicted as Conceptual Routes 500kV on the attached map. The proposed route is located in Sections 9, 10, 15, and 16 of Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (see Figures 1 and 2). No previously recorded prehistoric or historic sites have been identified within this buffer for the proposed transmission line corridor.

The proposed 115kV source line is proposed to the east of the substation site, and will be constructed within a one-quarter mile buffer around the proposed route in an area defined as the Northern Corridor shown on the attached map. The proposed corridor for the 115kV line is situated in various sections of Townships 5 & 6 South and Ranges 3, 4 & 5 West, on the USGS 7.5" Alberhill, Elsinore and Romoland quadrangles (see Figures 1-6). Much of the proposed route will be constructed along existing 115kV circuits, and will not require new construction.

P.O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

However, new construction for the 115kV line may be necessary along Menifee Road between Newport Road and Scott Road (Figures 5 and 6). A cultural resources records search identified a number of previously recorded archaeological sites within the buffer area. SCE plans to avoid these resources to minimize any impacts that could result from the proposed construction of the 115kV source line.

Project location maps are enclosed as an attachment for your reference.

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

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

If you have any questions, please feel free to call me at (626) 302-1154 or via e-mail at sara.bholat@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Paul Macarro
Cultural Resource Center
Pechanga Band of Mission Indians
P.O. Box 1477
Temecula, CA 92593

February 17, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, including Sub-Transmission, and Transmission Feeder Lines, Riverside County, California

Dear Mr. Macarro:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the project area.

The proposed substation is located north of Interstate 15 and Temescal Canyon Road near the community of Alberhill. The project is situated in Section 15, Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (Figure 1. Project area Overview and Figure 2.), and will consist of approximately 140 acres. The proposed substation site has been previously surveyed for cultural resources. This cultural resources study identified historic foundations and an historic-age house. These resources were subsequently evaluated and recommended as not eligible for listing on the California Register of Historic Resources (CRHR). A records search conducted with the Eastern Information Center, University of California Riverside did not yield any previously recorded prehistoric archaeological sites within the proposed substation property.

The proposed 500kV source line is located north of the proposed substation, and will connect to the existing Serrano-Valley 500kV circuit. A one-quarter mile buffer around the proposed 500kV source line is depicted as Conceptual Routes 500kV on the attached map. The proposed route is located in Sections 9, 10, 15, and 16 of Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (see Figures 1 and 2). No previously recorded prehistoric or historic sites have been identified within this buffer for the proposed transmission line corridor.

The proposed 115kV source line is proposed to the east of the substation site, and will be constructed within a one-quarter mile buffer around the proposed route in an area defined as the Northern Corridor shown on the attached map. The proposed corridor for the 115kV line is situated in various sections of Townships 5 & 6 South and Ranges 3, 4 & 5 West, on the USGS 7.5" Alberhill, Elsinore and Romoland quadrangles (see Figures 1-6). Much of the proposed

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route will be constructed along existing 115kV circuits, and will not require new construction. However, new construction for the 115kV line may be necessary along Menifee Road between Newport Road and Scott Road (Figures 5 and 6). A cultural resources records search identified a number of previously recorded archaeological sites within the buffer area. SCE plans to avoid these resources to minimize any impacts that could result from the proposed construction of the 115kV source line.

Project location maps are enclosed as an attachment for your reference.

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

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

If you have any questions, please feel free to call me at (626) 302-1154 or via e-mail at sara.bholat@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Anthony Madrigal, Jr., Chairperson
Cahuilla Band of Indians
P.O. Box 391760
Anza, CA 92539

February 17, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, including Sub-Transmission, and Transmission Feeder Lines, Riverside County, California

Dear Mr. Madrigal:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the project area.

The proposed substation is located north of Interstate 15 and Temescal Canyon Road near the community of Alberhill. The project is situated in Section 15, Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (Figure 1. Project area Overview and Figure 2.), and will consist of approximately 140 acres. The proposed substation site has been previously surveyed for cultural resources. This cultural resources study identified historic foundations and an historic-age house. These resources were subsequently evaluated and recommended as not eligible for listing on the California Register of Historic Resources (CRHR). A records search conducted with the Eastern Information Center, University of California Riverside did not yield any previously recorded prehistoric archaeological sites within the proposed substation property.

The proposed 500kV source line is located north of the proposed substation, and will connect to the existing Serrano-Valley 500kV circuit. A one-quarter mile buffer around the proposed 500kV source line is depicted as Conceptual Routes 500kV on the attached map. The proposed route is located in Sections 9, 10, 15, and 16 of Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (see Figures 1 and 2). No previously recorded prehistoric or historic sites have been identified within this buffer for the proposed transmission line corridor.

The proposed 115kV source line is proposed to the east of the substation site, and will be constructed within a one-quarter mile buffer around the proposed route in an area defined as the Northern Corridor shown on the attached map. The proposed corridor for the 115kV line is situated in various sections of Townships 5 & 6 South and Ranges 3, 4 & 5 West, on the USGS 7.5" Alberhill, Elsinore and Romoland quadrangles (see Figures 1-6). Much of the proposed route will be constructed along existing 115kV circuits, and will not require new construction.

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However, new construction for the 115kV line may be necessary along Menifee Road between Newport Road and Scott Road (Figures 5 and 6). A cultural resources records search identified a number of previously recorded archaeological sites within the buffer area. SCE plans to avoid these resources to minimize any impacts that could result from the proposed construction of the 115kV source line.

Project location maps are enclosed as an attachment for your reference.

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

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

If you have any questions, please feel free to call me at (626) 302-1154 or via e-mail at sara.bholat@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

John Marcus, Chairman
Santa Rosa Band of Mission Indians
P.O. Box 609
Hemet, CA 92546

February 17, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, including Sub-Transmission, and Transmission Feeder Lines, Riverside County, California

Dear Mr. Marcus:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the project area.

The proposed substation is located north of Interstate 15 and Temescal Canyon Road near the community of Alberhill. The project is situated in Section 15, Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (Figure 1. Project area Overview and Figure 2.), and will consist of approximately 140 acres. The proposed substation site has been previously surveyed for cultural resources. This cultural resources study identified historic foundations and an historic-age house. These resources were subsequently evaluated and recommended as not eligible for listing on the California Register of Historic Resources (CRHR). A records search conducted with the Eastern Information Center, University of California Riverside did not yield any previously recorded prehistoric archaeological sites within the proposed substation property.

The proposed 500kV source line is located north of the proposed substation, and will connect to the existing Serrano-Valley 500kV circuit. A one-quarter mile buffer around the proposed 500kV source line is depicted as Conceptual Routes 500kV on the attached map. The proposed route is located in Sections 9, 10, 15, and 16 of Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (see Figures 1 and 2). No previously recorded prehistoric or historic sites have been identified within this buffer for the proposed transmission line corridor.

The proposed 115kV source line is proposed to the east of the substation site, and will be constructed within a one-quarter mile buffer around the proposed route in an area defined as the Northern Corridor shown on the attached map. The proposed corridor for the 115kV line is situated in various sections of Townships 5 & 6 South and Ranges 3, 4 & 5 West, on the USGS 7.5" Alberhill, Elsinore and Romoland quadrangles (see Figures 1-6). Much of the proposed route will be constructed along existing 115kV circuits, and will not require new construction.

P.O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

However, new construction for the 115kV line may be necessary along Menifee Road between Newport Road and Scott Road (Figures 5 and 6). A cultural resources records search identified a number of previously recorded archaeological sites within the buffer area. SCE plans to avoid these resources to minimize any impacts that could result from the proposed construction of the 115kV source line.

Project location maps are enclosed as an attachment for your reference.

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

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

If you have any questions, please feel free to call me at (626) 302-1154 or via e-mail at sara.bholat@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
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Mark Macarro, Chairperson
Pechanga Band of Mission Indians
P.O. Box 1477
Temecula, CA 92593

February 17, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, including Sub-Transmission, and Transmission Feeder Lines, Riverside County, California

Dear Mr. Macarro:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the project area.

The proposed substation is located north of Interstate 15 and Temescal Canyon Road near the community of Alberhill. The project is situated in Section 15, Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (Figure 1. Project area Overview and Figure 2.), and will consist of approximately 140 acres. The proposed substation site has been previously surveyed for cultural resources. This cultural resources study identified historic foundations and an historic-age house. These resources were subsequently evaluated and recommended as not eligible for listing on the California Register of Historic Resources (CRHR). A records search conducted with the Eastern Information Center, University of California Riverside did not yield any previously recorded prehistoric archaeological sites within the proposed substation property.

The proposed 500kV source line is located north of the proposed substation, and will connect to the existing Serrano-Valley 500kV circuit. A one-quarter mile buffer around the proposed 500kV source line is depicted as Conceptual Routes 500kV on the attached map. The proposed route is located in Sections 9, 10, 15, and 16 of Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (see Figures 1 and 2). No previously recorded prehistoric or historic sites have been identified within this buffer for the proposed transmission line corridor.

The proposed 115kV source line is proposed to the east of the substation site, and will be constructed within a one-quarter mile buffer around the proposed route in an area defined as the Northern Corridor shown on the attached map. The proposed corridor for the 115kV line is situated in various sections of Townships 5 & 6 South and Ranges 3, 4 & 5 West, on the USGS 7.5" Alberhill, Elsinore and Romoland quadrangles (see Figures 1-6). Much of the proposed route will be constructed along existing 115kV circuits, and will not require new construction.

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Rosemead, CA 91770

However, new construction for the 115kV line may be necessary along Menifee Road between Newport Road and Scott Road (Figures 5 and 6). A cultural resources records search identified a number of previously recorded archaeological sites within the buffer area. SCE plans to avoid these resources to minimize any impacts that could result from the proposed construction of the 115kV source line.

Project location maps are enclosed as an attachment for your reference.

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

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

If you have any questions, please feel free to call me at (626) 302-1154 or via e-mail at sara.bholat@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Willie Pink
48310 Pechanga Road
Temecula, CA 92592

February 17, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, including Sub-Transmission, and Transmission Feeder Lines, Riverside County, California

Dear Mr. Pink:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the project area.

The proposed substation is located north of Interstate 15 and Temescal Canyon Road near the community of Alberhill. The project is situated in Section 15, Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (Figure 1. Project area Overview and Figure 2.), and will consist of approximately 140 acres. The proposed substation site has been previously surveyed for cultural resources. This cultural resources study identified historic foundations and an historic-age house. These resources were subsequently evaluated and recommended as not eligible for listing on the California Register of Historic Resources (CRHR). A records search conducted with the Eastern Information Center, University of California Riverside did not yield any previously recorded prehistoric archaeological sites within the proposed substation property.

The proposed 500kV source line is located north of the proposed substation, and will connect to the existing Serrano-Valley 500kV circuit. A one-quarter mile buffer around the proposed 500kV source line is depicted as Conceptual Routes 500kV on the attached map. The proposed route is located in Sections 9, 10, 15, and 16 of Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (see Figures 1 and 2). No previously recorded prehistoric or historic sites have been identified within this buffer for the proposed transmission line corridor.

The proposed 115kV source line is proposed to the east of the substation site, and will be constructed within a one-quarter mile buffer around the proposed route in an area defined as the Northern Corridor shown on the attached map. The proposed corridor for the 115kV line is situated in various sections of Townships 5 & 6 South and Ranges 3, 4 & 5 West, on the USGS 7.5" Alberhill, Elsinore and Romoland quadrangles (see Figures 1-6). Much of the proposed route will be constructed along existing 115kV circuits, and will not require new construction. However, new construction for the 115kV line may be necessary along Menifee Road between

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Newport Road and Scott Road (Figures 5 and 6). A cultural resources records search identified a number of previously recorded archaeological sites within the buffer area. SCE plans to avoid these resources to minimize any impacts that could result from the proposed construction of the 115kV source line.

Project location maps are enclosed as an attachment for your reference.

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

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

If you have any questions, please feel free to call me at (626) 302-1154 or via e-mail at sara.bholat@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Chairperson
Soboba Band of Mission Indians
P.O. Box 487
San Jacinto, CA 92581

February 17, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, including Sub-Transmission, and Transmission Feeder Lines, Riverside County, California

Dear Mr./Ms. Chairperson:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the project area.

The proposed substation is located north of Interstate 15 and Temescal Canyon Road near the community of Alberhill. The project is situated in Section 15, Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (Figure 1. Project area Overview and Figure 2.), and will consist of approximately 140 acres. The proposed substation site has been previously surveyed for cultural resources. This cultural resources study identified historic foundations and an historic-age house. These resources were subsequently evaluated and recommended as not eligible for listing on the California Register of Historic Resources (CRHR). A records search conducted with the Eastern Information Center, University of California Riverside did not yield any previously recorded prehistoric archaeological sites within the proposed substation property.

The proposed 500kV source line is located north of the proposed substation, and will connect to the existing Serrano-Valley 500kV circuit. A one-quarter mile buffer around the proposed 500kV source line is depicted as Conceptual Routes 500kV on the attached map. The proposed route is located in Sections 9, 10, 15, and 16 of Township 5 South, Range 5 West, as depicted on the USGS 7.5" Alberhill quadrangle (see Figures 1 and 2). No previously recorded prehistoric or historic sites have been identified within this buffer for the proposed transmission line corridor.

The proposed 115kV source line is proposed to the east of the substation site, and will be constructed within a one-quarter mile buffer around the proposed route in an area defined as the Northern Corridor shown on the attached map. The proposed corridor for the 115kV line is situated in various sections of Townships 5 & 6 South and Ranges 3, 4 & 5 West, on the USGS 7.5" Alberhill, Elsinore and Romoland quadrangles (see Figures 1-6). Much of the proposed route will be constructed along existing 115kV circuits, and will not require new construction.

P.O. Box 800
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Rosemead, CA 91770

However, new construction for the 115kV line may be necessary along Menifee Road between Newport Road and Scott Road (Figures 5 and 6). A cultural resources records search identified a number of previously recorded archaeological sites within the buffer area. SCE plans to avoid these resources to minimize any impacts that could result from the proposed construction of the 115kV source line.

Project location maps are enclosed as an attachment for your reference.

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

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

If you have any questions, please feel free to call me at (626) 302-1154 or via e-mail at sara.bholat@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Michael Contreras
Morongo Band of Mission Indians
49750 Seminole Drive
Cabazon, CA 92230

August 12, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, Revised 115kV Source Line Route, Riverside County, California

Dear Mr. Contreras:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. SCE initially sent consultation letters to the tribe in February 17, 2009. Since then the scope for the 115kV subtransmission lines of the project has changed, and a new route was added. The location of the substation and the proposed 500kV transmission source lines for the project remains as proposed. SCE feels obliged to inform you of the recent changes to the project.

At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the revised project area.

The additional 115kV subtransmission line is located south of Interstate 15 from the intersection of Third Street and Collier Avenue, and will terminate in Skylark Substation (an existing substation) at the intersection of Mission Trail and Waite Street (Figure 1.). This additional new line is an existing 115kV circuit which will be rebuilt with larger poles to support a double-circuit subtransmission line for the Alberhill system.

SCE would appreciate any information you may have regarding Native American cultural resources located in or near the new additional route that could be affected by the proposed project. Any information concerning the identity, location, character, and traditional use of cultural places identified during consultation will be considered confidential.

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

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2244 Walnut Grove Ave.
Rosemead, CA 91770

If you have any questions, please feel free to call me at (626) 302-1154 or via e-mail at sara.bholat@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Shasta Gaughen, Assistant Director
Cupa Cultural Center (Pala Band)
35008 Pala-Temecula Road
PMB Box 445
Pala, CA 92059

August 12, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, Revised 115kV Source Line Route, Riverside County, California

Dear Ms. Gaughen:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. SCE initially sent consultation letters to the tribe in February 17, 2009. Since then the scope for the 115kV subtransmission lines of the project has changed, and a new route was added. The location of the substation and the proposed 500kV transmission source lines for the project remains as proposed. SCE feels obliged to inform you of the recent changes to the project.

At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the revised project area.

The additional 115kV subtransmission line is located south of Interstate 15 from the intersection of Third Street and Collier Avenue, and will terminate in Skylark Substation (an existing substation) at the intersection of Mission Trail and Waite Street (Figure 1.). This additional new line is an existing 115kV circuit which will be rebuilt with larger poles to support a double-circuit subtransmission line for the Alberhill system.

SCE would appreciate any information you may have regarding Native American cultural resources located in or near the new additional route that could be affected by the proposed project. Any information concerning the identity, location, character, and traditional use of cultural places identified during consultation will be considered confidential.

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

P.O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

If you have any questions, please feel free to call me at (626) 302-1154 or via e-mail at sara.bholat@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Joseph Hamilton, Vice Chairman
Ramona Band of Cahuilla Mission Indians
P.O. Box 391670
Anza, CA 92539

August 12, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, Revised 115kV Source Line Route, Riverside County, California

Dear Mr. Hamilton:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. SCE initially sent consultation letters to the tribe in February 17, 2009. Since then the scope for the 115kV subtransmission lines of the project has changed, and a new route was added. The location of the substation and the proposed 500kV transmission source lines for the project remains as proposed. SCE feels obliged to inform you of the recent changes to the project.

At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the revised project area.

The additional 115kV subtransmission line is located south of Interstate 15 from the intersection of Third Street and Collier Avenue, and will terminate in Skylark Substation (an existing substation) at the intersection of Mission Trail and Waite Street (Figure 1.). This additional new line is an existing 115kV circuit which will be rebuilt with larger poles to support a double-circuit subtransmission line for the Alberhill system.

SCE would appreciate any information you may have regarding Native American cultural resources located in or near the new additional route that could be affected by the proposed project. Any information concerning the identity, location, character, and traditional use of cultural places identified during consultation will be considered confidential.

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

P.O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

If you have any questions, please feel free to call me at (626) 302-1154 or via e-mail at sara.bholat@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Paul Macarro
Cultural Resource Center
Pechanga Band of Mission Indians
P.O. Box 1477
Temecula, CA 92593

August 12, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, Revised 115kV Source Line Route, Riverside County, California

Dear Mr. Macarro:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. SCE initially sent consultation letters to the tribe in February 17, 2009. Since then the scope for the 115kV subtransmission lines of the project has changed, and a new route was added. The location of the substation and the proposed 500kV transmission source lines for the project remains as proposed. SCE feels obliged to inform you of the recent changes to the project.

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Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Anthony Madrigal, Jr., Chairperson
Cahuilla Band of Indians
P.O. Box 391760
Anza, CA 92539

August 13, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, Revised 115kV Source Line Route, Riverside County, California

Dear Mr. Madrigal:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. SCE initially sent consultation letters to the tribe in February 17, 2009. Since then the scope for the 115kV subtransmission lines of the project has changed, and a new route was added. The location of the substation and the proposed 500kV transmission source lines for the project remains as proposed. SCE feels obliged to inform you of the recent changes to the project.

At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the revised project area.

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Rosemead, CA 91770

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Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

John Marcus, Chairman
Santa Rosa Band of Mission Indians
P.O. Box 609
Hemet, CA 92546

August 12, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, Revised 115kV Source Line Route, Riverside County, California

Dear Mr. Marcus:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. SCE initially sent consultation letters to the tribe in February 17, 2009. Since then the scope for the 115kV subtransmission lines of the project has changed, and a new route was added. The location of the substation and the proposed 500kV transmission source lines for the project remains as proposed. SCE feels obliged to inform you of the recent changes to the project.

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Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Mark Macarro, Chairperson
Pechanga Band of Mission Indians
P.O. Box 1477
Temecula, CA 92593

August 12, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, Revised 115kV Source Line Route, Riverside County, California

Dear Mr. Macarro:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. SCE initially sent consultation letters to the tribe in February 17, 2009. Since then the scope for the 115kV subtransmission lines of the project has changed, and a new route was added. The location of the substation and the proposed 500kV transmission source lines for the project remains as proposed. SCE feels obliged to inform you of the recent changes to the project.

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Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Chairperson
Soboba Band of Mission Indians
P.O. Box 487
San Jacinto, CA 92581

August 12, 2009

SUBJECT: Native American Consultation Regarding the Proposed Alberhill Substation Project, Revised 115kV Source Line Route, Riverside County, California

Dear Chairperson:

Southern California Edison (SCE) proposes to construct a new 500/115kV Alberhill electric power substation and source lines near the Cities of Lake Elsinore, Sun City and the community of Alberhill in Riverside County, California. SCE initially sent consultation letters to the tribe in February 17, 2009. Since then the scope for the 115kV subtransmission lines of the project has changed, and a new route was added. The location of the substation and the proposed 500kV transmission source lines for the project remains as proposed. SCE feels obliged to inform you of the recent changes to the project.

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Sincerely,



Sara Bholat, MPH
Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

Enclosure: as stated

Appendix K

APPENDIX K

ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
8/28/2009

APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
360-310-006	PO BOX 9	ORANGE	CA	92856	N/AVAIL	MENIFEE	CA	92584
361-030-004	24144 BEVERLY ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-030-005	24118 BEVERLY ST	WILDOMAR	CA	92595	24118 BEVERLY ST	WILDOMAR	CA	92595
361-030-006	24140 BEVERLY ST	WILDOMAR	CA	92595	24140 BEVERLY ST	WILDOMAR	CA	92595
361-030-008	24140 BEVERLY ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-030-009	24144 BEVERLY ST	WILDOMAR	CA	92595	24144 BEVERLY ST	WILDOMAR	CA	92595
361-030-010	24140 BEVERLY ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-140-005	4234 LOS PADRES DR	FALLBROOK	CA	92028	N/AVAIL	WILDOMAR	CA	92595
361-140-006	16306 HASKINS LN	CARSON	CA	90746	N/AVAIL	WILDOMAR	CA	92595
361-140-007	PO BOX 424	LOMITA	CA	90717	N/AVAIL	WILDOMAR	CA	92595
361-140-008	22425 BAXTER RD	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-140-009	22425 BAXTER RD	WILDOMAR	CA	92595	24168 BEVERLY ST	WILDOMAR	CA	92595
361-140-010	22425 BAXTER RD	WILDOMAR	CA	92595	24168 BEVERLY ST	WILDOMAR	CA	92595
361-140-011	27250 MURRIETA RD 11	SUN CITY	CA	92586	24320 BUNDY CANYON RD	WILDOMAR	CA	92595
361-140-012	4234 LOS PADRES DR	FALLBROOK	CA	92028	N/AVAIL	WILDOMAR	CA	92595
361-140-013	16306 HASKINS LN	CARSON	CA	90746	N/AVAIL	WILDOMAR	CA	92595
361-140-014	16306 HASKINS LN	CARSON	CA	90746	N/AVAIL	WILDOMAR	CA	92595
361-140-015	16306 HASKINS LN	CARSON	CA	90746	N/AVAIL	WILDOMAR	CA	92595
361-140-016	PO BOX 8747	LOS ANGELES	CA	90008	N/AVAIL	WILDOMAR	CA	92595
361-140-017	24144 BEVERLY ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-140-018	24144 BEVERLY ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-140-019	PO BOX 80798	SAN MARINO	CA	91118	N/AVAIL	WILDOMAR	CA	92595
361-140-020	PO BOX 8747	LOS ANGELES	CA	90008	N/AVAIL	WILDOMAR	CA	92595
361-140-023	24122 BEVERLY ST	WILDOMAR	CA	92595	24122 BEVERLY ST	WILDOMAR	CA	92595
361-140-024	24144 BEVERLY ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-140-025	24144 BEVERLY ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-140-026	24144 BEVERLY ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-140-027	24144 BEVERLY ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-140-028	24144 BEVERLY ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-140-029	16306 HASKINS LN	CARSON	CA	90746	N/AVAIL	WILDOMAR	CA	92595
361-140-030	24122 BEVERLY ST	WILDOMAR	CA	92595	24122 BEVERLY ST	WILDOMAR	CA	92595
361-140-031	24134 BEVERLY ST	WILDOMAR	CA	92595	24134 BEVERLY ST	WILDOMAR	CA	92595
361-140-032	PO BOX 8747	LOS ANGELES	CA	90008	N/AVAIL	WILDOMAR	CA	92595
361-151-001	2404 E 110TH ST	LOS ANGELES	CA	90059	N/AVAIL	WILDOMAR	CA	92595
361-151-002	790 S PALM AVE	HEMET	CA	92543	32962 WEST AVE	WILDOMAR	CA	92595
361-151-003	32961 UPTON ST	WILDOMAR	CA	92595	32966 WEST AVE	WILDOMAR	CA	92595
361-151-004	32961 UPTON ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-151-005	4322 ROUS ST	SAN DIEGO	CA	92122	N/AVAIL	WILDOMAR	CA	92595
361-151-006	2247 RIVERVIEW RD	FALLBROOK	CA	92028	N/AVAIL	WILDOMAR	CA	92595
361-151-007	1334 SOLEJAR DR	WHITTIER	CA	90603	N/AVAIL	WILDOMAR	CA	92595
361-151-008	2216 RIVERVIEW RD	FALLBROOK	CA	92028	N/AVAIL	WILDOMAR	CA	92595
361-151-009	32961 UPTON ST	WILDOMAR	CA	92595	32961 UPTON ST	WILDOMAR	CA	92595
361-151-010	32961 UPTON ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-151-013	33415 HAYFIELD CIR	WILDOMAR	CA	92595	32955 UPTON ST	WILDOMAR	CA	92595
361-151-014	32919 UPTON ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-151-015	32919 UPTON ST	WILDOMAR	CA	92595	32919 UPTON ST	WILDOMAR	CA	92595
361-151-024	32295 8 MISSION TRAIL	LAKE ELSINORE	CA	92530	N/AVAIL	WILDOMAR	CA	92595
361-151-025	32295 8 MISSION TRAIL	LAKE ELSINORE	CA	92530	N/AVAIL	WILDOMAR	CA	92595
361-152-012	971 SUNNY HILL CT	FALLBROOK	CA	92028	24364 BUNDY CANYON RD	WILDOMAR	CA	92595
361-152-013	23698 SAINT RAPHAEL DR	MURRIETA	CA	92562	N/AVAIL	WILDOMAR	CA	92595
361-152-014	32926 GREENWOOD DR	WILDOMAR	CA	92595	32971 GREENWOOD DR	WILDOMAR	CA	92595
361-152-015	32926 GREENWOOD DR	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-152-028	32963 GREENWOOD DR	WILDOMAR	CA	92595	32963 GREENWOOD DR	WILDOMAR	CA	92595
361-152-029	32900 UPTON ST	WILDOMAR	CA	92595	32900 UPTON ST	WILDOMAR	CA	92595
361-152-031	32939 GREENWOOD DR	WILDOMAR	CA	92595	32939 GREENWOOD DR	WILDOMAR	CA	92595
361-152-032	12108 E WELSH TRL	SCOTTSDALE	AZ	85259	N/AVAIL	WILDOMAR	CA	92595
361-153-002	32926 GREENWOOD DR	WILDOMAR	CA	92595	32926 GREENWOOD DR	WILDOMAR	CA	92595
361-153-003	32926 GREENWOOD DR	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
8/28/2009

APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
361-153-004	32926 GREENWOOD DR	WILDOMAR	CA	92595	32932 GREENWOOD DR	WILDOMAR	CA	92595
361-153-005	32926 GREENWOOD DR	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-153-025	32950 GREENWOOD DR	WILDOMAR	CA	92595	32950 GREENWOOD DR	WILDOMAR	CA	92595
361-153-027	32951 RHINEHART ST	WILDOMAR	CA	92595	32951 RHINEHART ST	WILDOMAR	CA	92595
361-153-028	32970 GREENWOOD DR	WILDOMAR	CA	92595	32970 GREENWOOD DR	WILDOMAR	CA	92595
361-153-030	32995 RHINEHART ST	WILDOMAR	CA	92595	32995 RHINEHART ST	WILDOMAR	CA	92595
361-153-031	32921 RHINEHART ST	WILDOMAR	CA	92595	32921 RHINEHART ST	WILDOMAR	CA	92595
361-154-008	PO BOX 4171	CRESTLINE	CA	92325	N/AVAIL	WILDOMAR	CA	92595
361-154-009	1321 PORTOLA AVE	ESCONDIDO	CA	92026	N/AVAIL	WILDOMAR	CA	92595
361-154-012	1757 TAPO CANYON RD SVW88	SIMI VALLEY	CA	93063	N/AVAIL	N/AVAIL	CA	N/AVAIL
361-154-017	1321 PORTOLA AVE	ESCONDIDO	CA	92026	N/AVAIL	WILDOMAR	CA	92595
361-154-018	PO BOX 4171	CRESTLINE	CA	92325	32935 PALM DR	WILDOMAR	CA	92595
361-154-025	PO BOX 4171	CRESTLINE	CA	92325	N/AVAIL	WILDOMAR	CA	92595
361-154-026	32924 RHINEHART ST	WILDOMAR	CA	92595	32924 RHINEHART ST	WILDOMAR	CA	92595
361-154-028	32980 RHINEHART ST	WILDOMAR	CA	92595	32980 RHINEHART ST	WILDOMAR	CA	92595
361-154-034	32921 PALM DR	WILDOMAR	CA	92595	32921 PALM DR	WILDOMAR	CA	92595
361-154-035	32999 PALM DR	WILDOMAR	CA	92595	32999 PALM DR	WILDOMAR	CA	92595
361-154-036	32950 RHINEHART ST	WILDOMAR	CA	92595	32950 RHINEHART ST	WILDOMAR	CA	92595
361-154-037	451 7TH STREET S.W.	WASHINGTON	DC	20410	32965 PALM DR	WILDOMAR	CA	92595
361-221-001	24526 RAYMOND ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-221-002	24526 RAYMOND ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-221-004	1 MAUCHLY	IRVINE	CA	92618	N/AVAIL	WILDOMAR	CA	92595
361-221-005	8507 DANBY AVE	WHITTIER	CA	90606	N/AVAIL	WILDOMAR	CA	92595
361-221-006	8507 DANBY AVE	WHITTIER	CA	90606	N/AVAIL	WILDOMAR	CA	92595
361-221-007	25351 NOELLE CT	LOMITA	CA	90717	N/AVAIL	WILDOMAR	CA	92595
361-221-008	25351 NOELLE CT	LOMITA	CA	90717	N/AVAIL	WILDOMAR	CA	92595
361-221-009	14606 WOODLAND DR NO 8	FONTANA	CA	92337	N/AVAIL	N/AVAIL	CA	N/AVAIL
361-221-010	32841 VERDE MESA ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-221-011	24526 RAYMOND ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-221-012	PO BOX 351	SUN CITY	CA	92586	N/AVAIL	WILDOMAR	CA	92595
361-222-002	16299 FOOTHILL BLVD	FONTANA	CA	92335	N/AVAIL	WILDOMAR	CA	92595
361-222-003	24655 RAYMOND ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-222-004	24655 RAYMOND ST	WILDOMAR	CA	92595	24655 RAYMOND ST	WILDOMAR	CA	92595
361-222-007	24695 RAYMOND ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-222-008	24695 RAYMOND ST	WILDOMAR	CA	92595	24695 RAYMOND ST	WILDOMAR	CA	92595
361-222-009	24695 RAYMOND ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-222-010	15745 STREAMVIEW CT	RIVERSIDE	CA	92504	N/AVAIL	WILDOMAR	CA	92595
361-222-011	16299 FOOTHILL BLVD	FONTANA	CA	92335	N/AVAIL	WILDOMAR	CA	92595
361-222-012	24688 LEICESTER RD	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-222-013	24688 LEICESTER RD	WILDOMAR	CA	92595	24688 LEICESTER RD	WILDOMAR	CA	92595
361-222-014	24676 LEICESTER RD	WILDOMAR	CA	92595	24676 LEICESTER RD	WILDOMAR	CA	92595
361-222-015	24652 LEICESTER RD	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-222-016	24652 LEICESTER RD	WILDOMAR	CA	92595	24652 LEICESTER RD	WILDOMAR	CA	92595
361-222-017	16299 FOOTHILL BLVD	FONTANA	CA	92335	24640 LEICESTER RD	WILDOMAR	CA	92595
361-222-018	16299 FOOTHILL BLVD	FONTANA	CA	92335	24630 LEICESTER RD	WILDOMAR	CA	92595
361-222-020	16299 FOOTHILL BLVD	FONTANA	CA	92335	24630 LEICESTER RD	WILDOMAR	CA	92595
361-222-021	24675 RAYMOND ST	WILDOMAR	CA	92595	24675 RAYMOND ST	WILDOMAR	CA	92595
361-223-003	24772 BUNDY CANYON RD	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
361-223-004	24772 BUNDY CANYON RD	WILDOMAR	CA	92595	24772 BUNDY CANYON RD	WILDOMAR	CA	92595
361-223-005	30060 LOUIS RD	ROMOLAND	CA	92380	N/AVAIL	WILDOMAR	CA	92595
361-223-007	24740 BUNDY CYN	MENIFEE	CA	92584	24740 LEICESTER ST	WILDOMAR	CA	92595
361-223-008	928 ADAMS ST	JEFFERSON CITY	MO	65101	N/AVAIL	WILDOMAR	CA	92595
361-223-009	24740 BUNDY CYN	MENIFEE	CA	92584	24748 BUNDY CANYON RD	WILDOMAR	CA	92595
361-223-010	24740 BUNDY CYN	MENIFEE	CA	92584	N/AVAIL	N/AVAIL	CA	N/AVAIL
361-223-011	24772 BUNDY CANYON RD	WILDOMAR	CA	92595	24772 BUNDY CANYON RD	WILDOMAR	CA	92595
361-223-012	24772 BUNDY CANYON RD	WILDOMAR	CA	92595	24772 BUNDY CANYON RD	WILDOMAR	CA	92595
361-223-025	32930 CLUB RD	WILDOMAR	CA	92595	32970 CLUB RD	WILDOMAR	CA	92595

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
361-223-031	32930 CLUB RD	WILDOMAR	CA	92595	32930 CLUB RD	WILDOMAR	CA	92595
361-223-032	32950 CLUB RD	WILDOMAR	CA	92595	32950 CLUB RD	WILDOMAR	CA	92595
361-223-033	30060 LOUIS RD	HOMELAND	CA	92548	N/AVAIL	WILDOMAR	CA	92595
361-223-034	7575 ESCONDIDO AVE	OAK HILLS	CA	92344	N/AVAIL	WILDOMAR	CA	92595
361-224-004	78205 CORTEZ LN 175	INDIAN WELLS	CA	92210	N/AVAIL	INDIAN WELLS	CA	92210
361-224-007	113 SCARLET OAK CV	KYLE	TX	78640	N/AVAIL	WILDOMAR	CA	92595
361-224-008	4837 WATT AVE	NORTH HIGHLANDS	CA	95660	24550 BUNDY CANYON RD	WILDOMAR	CA	92595
361-236-001	PO BOX 1451	TEMECULA	CA	92593	N/AVAIL	MENIFEE	CA	92584
361-236-002	PO BOX 1451	TEMECULA	CA	92593	N/AVAIL	MENIFEE	CA	92584
361-236-003	PO BOX 1451	TEMECULA	CA	92593	N/AVAIL	MENIFEE	CA	92584
361-236-004	PO BOX 1451	TEMECULA	CA	92593	N/AVAIL	MENIFEE	CA	92584
361-236-005	PO BOX 1451	TEMECULA	CA	92593	N/AVAIL	MENIFEE	CA	92584
361-236-006	78625 AVENIDA ULTIMO	LA QUINTA	CA	92253	N/AVAIL	MENIFEE	CA	92584
361-236-007	78625 AVENIDA ULTIMO	LA QUINTA	CA	92253	N/AVAIL	MENIFEE	CA	92584
361-236-008	78625 AVENIDA ULTIMO	LA QUINTA	CA	92253	N/AVAIL	MENIFEE	CA	92584
361-236-009	11080 TILTON CIR	FOUNTAIN VALLEY	CA	92708	N/AVAIL	MENIFEE	CA	92584
361-236-010	11080 TILTON CIR	FOUNTAIN VALLEY	CA	92708	N/AVAIL	MENIFEE	CA	92584
361-236-011	11080 TILTON CIR	FOUNTAIN VALLEY	CA	92708	N/AVAIL	MENIFEE	CA	92584
361-236-012	11080 TILTON CIR	FOUNTAIN VALLEY	CA	92708	N/AVAIL	MENIFEE	CA	92584
361-236-013	PO BOX 1451	TEMECULA	CA	92593	N/AVAIL	MENIFEE	CA	92584
361-236-014	PO BOX 1451	TEMECULA	CA	92593	N/AVAIL	MENIFEE	CA	92584
361-236-015	PO BOX 1451	TEMECULA	CA	92593	24890 LEICESTER ST	MENIFEE	CA	92584
361-236-016	PO BOX 1451	TEMECULA	CA	92593	N/AVAIL	MENIFEE	CA	92584
361-236-017	PO BOX 1451	TEMECULA	CA	92593	N/AVAIL	MENIFEE	CA	92584
361-236-018	PO BOX 610	SUN CITY	CA	92586	N/AVAIL	MENIFEE	CA	92584
361-236-019	PO BOX 610	SUN CITY	CA	92586	N/AVAIL	MENIFEE	CA	92584
361-236-020	22926 GRAY FOX DR	CANYON LAKE	CA	92587	N/AVAIL	MENIFEE	CA	92584
361-236-021	22926 GRAY FOX DR	CANYON LAKE	CA	92587	N/AVAIL	MENIFEE	CA	92584
361-236-022	22926 GRAY FOX DR	CANYON LAKE	CA	92587	N/AVAIL	MENIFEE	CA	92584
361-236-023	22926 GRAY FOX DR	CANYON LAKE	CA	92587	N/AVAIL	MENIFEE	CA	92584
361-236-024	22926 GRAY FOX DR	CANYON LAKE	CA	92587	N/AVAIL	MENIFEE	CA	92584
361-237-001	31500 GRAPE ST 3	LAKE ELSINORE	CA	92532	24762 RAYMOND ST	MENIFEE	CA	92584
361-237-002	24801 RAYMOND ST	SUN CITY	CA	92584	24801 RAYMOND ST	MENIFEE	CA	92584
361-237-005	PO BOX 663	MURRIETA	CA	92564	N/AVAIL	MENIFEE	CA	92584
361-237-006	PO BOX 663	MURRIETA	CA	92564	N/AVAIL	MENIFEE	CA	92584
361-237-011	3211 CHEROKEE ST	RIVERSIDE	CA	92503	N/AVAIL	MENIFEE	CA	92584
361-237-012	PO BOX 663	MURRIETA	CA	92564	24805 RAYMOND ST	MENIFEE	CA	92584
361-237-013	PO BOX 663	MURRIETA	CA	92564	N/AVAIL	MENIFEE	CA	92584
361-237-014	PO BOX 663	MURRIETA	CA	92564	24977 RAYMOND ST	SUN CITY	CA	92584
361-238-002	PO BOX 363	TEMECULA	CA	92593	24760 LEICESTER ST	MENIFEE	CA	92584
361-238-003	24807 LEICESTER ST	MENIFEE	CA	92584	24807 LEICESTER ST	MENIFEE	CA	92584
361-238-004	PO BOX 2142	SUN CITY	CA	92586	N/AVAIL	MENIFEE	CA	92584
361-238-005	PO BOX 663	MURRIETA	CA	92564	24831 LEICESTER ST	MENIFEE	CA	92584
361-238-006	PO BOX 1282	TEMECULA	CA	92593	32965 EDWARDS RD	MENIFEE	CA	92584
361-238-007	PO BOX 2142	SUN CITY	CA	92586	N/AVAIL	MENIFEE	CA	92584
361-238-009	PO BOX 1135	LAKE ELSINORE	CA	92531	24766 BUNDY CANYON RD	ROMOLAND	CA	92585
361-238-011	904 SILVER SPUR RD 479	ROLLING HILLS ESTATES	CA	90274	32960 ELIZABETH AVE	ROMOLAND	CA	92585
361-238-012	PO BOX 1135	LAKE ELSINORE	CA	92531	N/AVAIL	MENIFEE	CA	92584
361-238-013	PO BOX 1135	LAKE ELSINORE	CA	92531	N/AVAIL	MENIFEE	CA	92584
361-238-014	PO BOX 1135	LAKE ELSINORE	CA	92531	N/AVAIL	MENIFEE	CA	92584
361-239-001	PO BOX 610	SUN CITY	CA	92586	24821 LEICESTER ST	MENIFEE	CA	92584
361-239-002	PO BOX 610	SUN CITY	CA	92586	N/AVAIL	MENIFEE	CA	92584
361-239-003	PO BOX 610	SUN CITY	CA	92586	N/AVAIL	MENIFEE	CA	92584
361-239-004	24971 LEICESTER ST	MENIFEE	CA	92584	24971 LEICESTER ST	MENIFEE	CA	92584
361-239-005	PO BOX 610	SUN CITY	CA	92586	N/AVAIL	MENIFEE	CA	92584
361-239-006	PO BOX 610	SUN CITY	CA	92586	N/AVAIL	MENIFEE	CA	92584
361-239-007	PO BOX 610	SUN CITY	CA	92586	N/AVAIL	MENIFEE	CA	92584
362-050-009	333 7TH AVE 3RD	NEW YORK	NY	10001	N/AVAIL	N/AVAIL	CA	N/AVAIL

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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
362-050-010	PO BOX 3731	TORRANCE	CA	90510	N/AVAIL	MENIFEE	CA	92584
362-050-011	25420 BUNDY CANYON RD	MENIFEE	CA	92584	25420 BUNDY CANYON RD	MENIFEE	CA	92584
362-050-012	800 NICOLLET MALL	MINNEAPOLIS	CA	55402	25460 BUNDY CANYON RD	MENIFEE	CA	92584
362-050-013	PO BOX 3731	TORRANCE	CA	90510	N/AVAIL	MENIFEE	CA	92584
362-050-014	25435 BUNDY CANYON RD	MENIFEE	CA	92584	25435 BUNDY CANYON RD	MENIFEE	CA	92584
362-050-016	PO BOX 8079	INCLINE VILLAGE	NV	89452	32890 COTTONWOOD CANYON RD	MENIFEE	CA	92584
362-050-017	PO BOX 8817	RIVERSIDE	CA	92515	N/AVAIL	MENIFEE	CA	92584
362-050-020	PO BOX 305	SUN CITY	CA	92586	25160 BUNDY CANYON RD	MENIFEE	CA	92584
362-050-021	32895 DEBON ST	MENIFEE	CA	92584	32895 DEBON ST	MENIFEE	CA	92584
362-050-022	32925 DEBON ST	SUN CITY	CA	92584	32925 DEBON ST	MENIFEE	CA	92584
362-060-013	31061 HAWTHORNE ST	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
362-060-014	9140 ROSE ST	BELLFLOWER	CA	90706	25800 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-016	PO BOX 219	MURRIETA	CA	92564	25525 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-017	25551 BUNDY CANYON RD	MENIFEE	CA	92584	25551 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-018	25555 BUNDY CANYON RD	MENIFEE	CA	92584	25555 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-019	32973 COX RD	MENIFEE	CA	92584	N/AVAIL	MURRIETA	CA	92562
362-060-020	29574 PAINTED DESERT DR	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
362-060-026	25616 NARBONNE AVE 203	LOMITA	CA	90717	25890 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-030	PO BOX 952	SUN CITY	CA	92586	25720 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-031	26125 MUSICK RD	MENIFEE	CA	92584	25740 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-036	2096 S BUENOS AIRES DR	COVINA	CA	91724	25700 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-039	27989 HOLLAND RD	MENIFEE	CA	92584	32935 MURRIETA RD	MENIFEE	CA	92584
362-070-001	16900 GOLDENWEST ST	HUNTINGTON BEACH	CA	92647	N/AVAIL	N/AVAIL	CA	92879
362-070-018	16900 GOLDENWEST ST	HUNTINGTON BEACH	CA	92647	N/AVAIL	N/AVAIL	CA	N/AVAIL
362-070-021	16900 GOLDENWEST ST	HUNTINGTON BEACH	CA	92647	N/AVAIL	N/AVAIL	CA	92587
362-070-022	1742 ROCKY RD	FULLERTON	CA	92831	N/AVAIL	WILDOMAR	CA	92595
362-070-023	16900 GOLDENWEST ST	HUNTINGTON BEACH	CA	92647	N/AVAIL	N/AVAIL	CA	N/AVAIL
362-080-004	16900 GOLDENWEST ST	HUNTINGTON BEACH	CA	92647	N/AVAIL	N/AVAIL	CA	N/AVAIL
362-080-007	16900 GOLDENWEST ST	HUNTINGTON BEACH	CA	92647	N/AVAIL	N/AVAIL	CA	N/AVAIL
362-110-025	196 WESTWOOD PL	UPLAND	CA	91786	N/AVAIL	MENIFEE	CA	92584
362-110-045	25773 BUNDY CANYON RD	SUN CITY	CA	92584	25735 BUNDY CANYON RD	MENIFEE	CA	92584
362-110-063	25701 BUNDY CANYON RD	MENIFEE	CA	92584	25701 BUNDY CANYON RD	MENIFEE	CA	92584
362-110-064	25771 BUNDY CANYON RD	MENIFEE	CA	92584	25771 BUNDY CANYON RD	MENIFEE	CA	92584
362-280-009	25205 BUNDY CANYON RD	SUN CITY	CA	92584	25205 BUNDY CANYON RD	MENIFEE	CA	92584
362-280-010	9346 STAMPS AVE	DOWNEY	CA	90240	25371 BUNDY CANYON RD	MENIFEE	CA	92584
362-280-011	21393 SILVER SPUR LN	WILDOMAR	CA	92595	25391 BUNDY CANYON RD	MENIFEE	CA	92584
362-280-012	33040 WRIGHT RD	MENIFEE	CA	92584	33040 WRIGHT RD	MENIFEE	CA	92584
362-280-013	25478 ROUFAS RD	SUN CITY	CA	92586	25478 ROUFAS RD	SUN CITY	CA	92586
362-280-023	333 7TH AVE 3RD	NEW YORK	NY	10001	N/AVAIL	MENIFEE	CA	92584
362-280-029	255 S MAPLE AVE	SOUTH SAN FRANCISCO	CA	94080	25099 BUNDY CANYON RD	MENIFEE	CA	92584
362-280-030	1 BAXTER WAY	THOUSAND OAKS	CA	91362	N/AVAIL	MENIFEE	CA	92584
363-111-005	430 AVENUE 9	LAKE ELSINORE	CA	92530	430 AVENUE 9	LAKE ELSINORE	CA	92530
363-111-008	420 AVENUE 9	LAKE ELSINORE	CA	92530	420 AVENUE 9	LAKE ELSINORE	CA	92530
363-111-011	410 AVENUE 9	LAKE ELSINORE	CA	92530	410 AVENUE 9	LAKE ELSINORE	CA	92530
363-111-012	411 AVENUE 10	LAKE ELSINORE	CA	92530	411 AVENUE 10	LAKE ELSINORE	CA	92530
363-111-013	421 AVENUE 10	LAKE ELSINORE	CA	92530	421 AVENUE 10	LAKE ELSINORE	CA	92530
363-111-014	431 AVENUE 10	LAKE ELSINORE	CA	92530	431 AVENUE 10	LAKE ELSINORE	CA	92530
363-111-015	441 AVENUE 10	LAKE ELSINORE	CA	92530	441 AVENUE 10	LAKE ELSINORE	CA	92530
363-111-018	451 AVENUE 10	LAKE ELSINORE	CA	92530	451 AVENUE 10	LAKE ELSINORE	CA	92530
363-111-019	1620 GRIFFIN WAY	LAKE ELSINORE	CA	92530	1620 GRIFFIN WAY	LAKE ELSINORE	CA	92530
363-112-016	26474 OLIVEWOOD	LAKE FOREST	CA	92630	1731 MILL ST	LAKE ELSINORE	CA	92530
363-112-017	410 AVENUE 10	LAKE ELSINORE	CA	92530	410 AVENUE 10	LAKE ELSINORE	CA	92530
363-112-020	430 AVENUE 10	LAKE ELSINORE	CA	92530	430 AVENUE 10	LAKE ELSINORE	CA	92530
363-112-021	2617 COLLEGE PARK DR	SCOTTSBLUFF	NE	69361	440 AVENUE 10	LAKE ELSINORE	CA	92530
363-112-025	106 S MAIN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
363-112-026	106 S MAIN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
363-112-027	1611 GRIFFIN WAY	LAKE ELSINORE	CA	92530	1611 GRIFFIN WAY	LAKE ELSINORE	CA	92530
363-112-028	1621 GRIFFIN WAY	LAKE ELSINORE	CA	92530	1621 GRIFFIN WAY	LAKE ELSINORE	CA	92530

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_S	SITE_ZIP
363-112-029	1631 GRIFFIN WAY	LAKE ELSINORE	CA	92530	1631 GRIFFIN WAY	LAKE ELSINORE	CA	92530
363-112-030	420 AVENUE 10	LAKE ELSINORE	CA	92530	420 AVENUE 10	LAKE ELSINORE	CA	92530
363-112-031	106 S MAIN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
363-113-021	381 AVENUE 10	LAKE ELSINORE	CA	92530	381 AVENUE 10	LAKE ELSINORE	CA	92530
363-113-022	371 AVENUE 10	LAKE ELSINORE	CA	92530	371 AVENUE 10	LAKE ELSINORE	CA	92530
363-114-025	350 AVENUE 10	LAKE ELSINORE	CA	92530	350 AVENUE 10	LAKE ELSINORE	CA	92530
363-114-026	360 AVENUE 10	LAKE ELSINORE	CA	92530	360 AVENUE 10	LAKE ELSINORE	CA	92530
363-114-027	370 AVENUE 10	LAKE ELSINORE	CA	92530	370 AVENUE 10	LAKE ELSINORE	CA	92530
363-114-028	380 AVENUE 10	LAKE ELSINORE	CA	92530	380 AVENUE 10	LAKE ELSINORE	CA	92530
363-114-029	381 AVENUE 11	LAKE ELSINORE	CA	92530	381 AVENUE 11	LAKE ELSINORE	CA	92530
363-114-030	371 AVENUE 11	LAKE ELSINORE	CA	92530	371 AVENUE 11	LAKE ELSINORE	CA	92530
363-114-031	361 AVENUE 11	LAKE ELSINORE	CA	92530	361 AVENUE 11	LAKE ELSINORE	CA	92530
363-114-032	351 AVENUE 11	LAKE ELSINORE	CA	92530	351 AVENUE 11	LAKE ELSINORE	CA	92530
363-114-033	341 AVENUE 11	LAKE ELSINORE	CA	92530	341 AVENUE 11	LAKE ELSINORE	CA	92530
363-114-034	311 AVENUE 11	LAKE ELSINORE	CA	92530	331 AVENUE 11	LAKE ELSINORE	CA	92530
363-115-007	351 AVENUE 12	LAKE ELSINORE	CA	92530	351 AVENUE 12	LAKE ELSINORE	CA	92530
363-115-008	341 AVENUE 21	LAKE ELSINORE	CA	92530	341 AVENUE 12	LAKE ELSINORE	CA	92530
363-115-011	331 AVENUE 12	LAKE ELSINORE	CA	92530	331 AVENUE 12	LAKE ELSINORE	CA	92530
363-115-012	321 AVENUE 12	LAKE ELSINORE	CA	92530	321 AVENUE 12	LAKE ELSINORE	CA	92530
363-115-015	311 AVENUE 12	LAKE ELSINORE	CA	92530	311 AVENUE 12	LAKE ELSINORE	CA	92530
363-115-017	23823 CLINTON KEITH RD 2	WILDOMAR	CA	92595	1821 PARK WAY	LAKE ELSINORE	CA	92530
363-115-020	1831 PARK WAY	LAKE ELSINORE	CA	92530	1831 PARK WAY	LAKE ELSINORE	CA	92530
363-115-024	320 AVENUE 11	LAKE ELSINORE	CA	92530	320 AVENUE 11	LAKE ELSINORE	CA	92530
363-115-025	330 AVENUE 11	LAKE ELSINORE	CA	92530	330 AVENUE 11	LAKE ELSINORE	CA	92530
363-115-026	340 AVENUE 11	LAKE ELSINORE	CA	92530	340 AVENUE 11	LAKE ELSINORE	CA	92530
363-115-027	350 AVENUE 11	LAKE ELSINORE	CA	92530	350 AVENUE 11	LAKE ELSINORE	CA	92530
363-115-028	360 AVENUE 11	LAKE ELSINORE	CA	92530	360 AVENUE 11	LAKE ELSINORE	CA	92530
363-115-031	380 AVENUE 11	LAKE ELSINORE	CA	92530	380 AVENUE 11	LAKE ELSINORE	CA	92530
363-115-032	6151 CHEVY CHASE DR	LAUREL	MD	20707	370 AVENUE 11	LAKE ELSINORE	CA	92530
363-115-033	371 AVENUE 12	LAKE ELSINORE	CA	92530	371 AVENUE 12	LAKE ELSINORE	CA	92530
363-115-034	361 AVENUE 12	LAKE ELSINORE	CA	92530	361 AVENUE 12	LAKE ELSINORE	CA	92530
363-115-035	310 AVENUE 11	LAKE ELSINORE	CA	92530	310 AVENUE 11	LAKE ELSINORE	CA	92530
363-115-036	381 AVENUE 12	LAKE ELSINORE	CA	92530	381 AVENUE 12	LAKE ELSINORE	CA	92530
363-115-037	391 AVENUE 12	LAKE ELSINORE	CA	92530	391 AVENUE 12	LAKE ELSINORE	CA	92530
363-130-019	31500 AUTO CENTER DR	LAKE ELSINORE	CA	92530	31600 AUTO CENTER DR	LAKE ELSINORE	CA	92530
363-130-021	31500 AUTO CENTER DR	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
363-130-030	31500 AUTO CENTER DR	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
363-130-042	17 TENNESSEE	IRVINE	CA	92606	31620 AUTO CENTER DR	LAKE ELSINORE	CA	92530
363-130-044	PO BOX 884	MURRIETA	CA	92564	31650 MISSION TRL	LAKE ELSINORE	CA	92530
363-130-059	17 TENNESSEE	IRVINE	CA	92606	31610 AUTO CENTER DR	LAKE ELSINORE	CA	92530
363-130-069	PO BOX 1392	BAKERSFIELD	CA	93302	31640 MISSION TRL	LAKE ELSINORE	CA	92530
363-130-073	957 NASA PKWY 563	HOUSTON	TX	77058	N/AVAIL	LAKE ELSINORE	CA	92530
363-130-074	12018 CENTRAL AVE	CHINO	CA	91710	31631 AUTO CENTER DR	LAKE ELSINORE	CA	92530
363-130-075	957 NASA PKWY 563	HOUSTON	TX	77058	N/AVAIL	LAKE ELSINORE	CA	92530
363-130-076	957 NASA PKWY 563	HOUSTON	TX	77058	31641 AUTO CENTER DR	LAKE ELSINORE	CA	92530
363-130-077	464 W 4TH ST 6TH	SAN BERNARDINO	CA	92401	N/AVAIL	LAKE ELSINORE	CA	92530
363-130-078	12018 CENTRAL AVE	CHINO	CA	91710	31631 AUTO CENTER DR	LAKE ELSINORE	CA	92530
363-130-080	3424 W CARSON ST 500	TORRANCE	CA	90503	2091 E LAKESHORE DR	LAKE ELSINORE	CA	92530
363-130-085	450 W VISTA WAY	VISTA	CA	92083	N/AVAIL	N/AVAIL	CA	N/AVAIL
363-130-086	19001 S WESTERN AVE G301	TORRANCE	CA	90501	N/AVAIL	LAKE ELSINORE	CA	92530
363-140-069	265 SAN JACINTO RIVER RD	LAKE ELSINORE	CA	92530	265 SAN JACINTO RIVER RD	LAKE ELSINORE	CA	92530
363-140-080	18255 AVENIDA BOSQUE	MURRIETA	CA	92562	271 RAILROAD CANYON RD	LAKE ELSINORE	CA	92530
363-140-088	251 DIAMOND DR	LAKE ELSINORE	CA	92530	251 RAILROAD CANYON RD	LAKE ELSINORE	CA	92530
363-140-089	4545 AIRPORT WAY	DENVER	CO	80239	251 RAILROAD CANYON RD	LAKE ELSINORE	CA	92530
363-171-003	23705 CRENSHAW BLVD 102	TORRANCE	CA	90505	300 DIAMOND DR	LAKE ELSINORE	CA	92530
363-171-004	250 DIAMOND DR	LAKE ELSINORE	CA	92530	250 DIAMOND DR	LAKE ELSINORE	CA	92530
363-171-005	3701 W 6TH ST	LOS ANGELES	CA	90020	31706 CASINO DR	LAKE ELSINORE	CA	92530
363-171-006	31461 GLENBRIDGE RD	WESTLAKE VILLAGE	CA	91361	31724 CASINO DR	LAKE ELSINORE	CA	92530

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ALBERHILL SYSTEM PROJECT
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
363-171-007	31461 GLENBRIDGE RD	WESTLAKE VILLAGE	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
363-171-008	31461 GLENBRIDGE RD	WESTLAKE VILLAGE	CA	91361	31712 CASINO DR	LAKE ELSINORE	CA	92530
363-171-010	PO BOX 22845	OKLAHOMA CITY	OK	73123	31736 CASINO DR	LAKE ELSINORE	CA	92530
363-171-011	6384 HUNTINGTON DR	CARLSBAD	CA	92009	N/AVAIL	LAKE ELSINORE	CA	92530
363-171-012	8300 UTICA AVE 3RD	RANCHO CUCAMONGA	CA	91730	N/AVAIL	LAKE ELSINORE	CA	92530
363-171-013	8300 UTICA AVE 3RD	RANCHO CUCAMONGA	CA	91730	N/AVAIL	LAKE ELSINORE	CA	92530
363-171-014	8300 UTICA AVE 3RD	RANCHO CUCAMONGA	CA	91730	N/AVAIL	LAKE ELSINORE	CA	92530
363-171-016	24564 HAWTHORNE BLVD 201	TORRANCE	CA	90505	31772 CASINO DR	LAKE ELSINORE	CA	92530
363-171-017	8239 BELLA VISTA DR	ALTA LOMA	CA	91701	31784 CASINO DR	LAKE ELSINORE	CA	92530
363-171-018	505 S VILLA REAL 208	ANAHEIM	CA	92807	31796 CASINO DR	LAKE ELSINORE	CA	92530
363-171-019	27615 CHATHAM LN	SUN CITY	CA	92585	31808 CASINO DR	LAKE ELSINORE	CA	92530
363-171-020	27615 CHATHAM LN	SUN CITY	CA	92585	31808 CASINO DR	LAKE ELSINORE	CA	92530
363-171-021	31461 GLENBRIDGE RD	WESTLAKE VILLAGE	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
363-171-022	8300 UTICA AVE 3RD	RANCHO CUCAMONGA	CA	91730	31750 CASINO DR	LAKE ELSINORE	CA	92530
363-171-023	8300 UTICA AVE 3RD	RANCHO CUCAMONGA	CA	91730	31760 CASINO DR	LAKE ELSINORE	CA	92530
363-171-024	8300 UTICA AVE 3RD	RANCHO CUCAMONGA	CA	91730	31764 CASINO DR	LAKE ELSINORE	CA	92530
363-172-004	82297 INDIO BLVD	INDIO	CA	92201	31781 CASINO DR	LAKE ELSINORE	CA	92530
363-172-005	PO BOX 53	HOUSTON	TX	77001	31702 MISSION TRL	LAKE ELSINORE	CA	92530
363-172-010	4370 LA JOLLA VILLAGE DR 850	SAN DIEGO	CA	92122	31944 MISSION TRL	LAKE ELSINORE	CA	92530
363-172-012	31918 MISSION TRL	LAKE ELSINORE	CA	92530	N/AVAIL	N/AVAIL	CA	92530
363-172-013	82297 INDIO BLVD	INDIO	CA	92201	N/AVAIL	LAKE ELSINORE	CA	92530
363-172-014	23428 CONTINENTAL WAY	CANYON LAKE	CA	92587	31712 MISSION TRL	LAKE ELSINORE	CA	92530
363-172-015	PO BOX 16665	IRVINE	CA	92623	31762 MISSION TRL	LAKE ELSINORE	CA	92530
363-172-016	41 SAGITTA WAY	COTO DE CAZA	CA	92679	N/AVAIL	LAKE ELSINORE	CA	92530
363-172-017	PO BOX 16665	IRVINE	CA	92623	31760 MISSION TRL	LAKE ELSINORE	CA	92530
363-172-018	4521 E BOND AVE	ORANGE	CA	92869	31726 MISSION TRL	LAKE ELSINORE	CA	92530
363-172-019	4521 E BOND AVE	ORANGE	CA	92869	31726 MISSION TRL	LAKE ELSINORE	CA	92530
363-172-020	82297 INDIO BLVD	INDIO	CA	92201	N/AVAIL	LAKE ELSINORE	CA	92530
363-172-021	31918 MISSION TRL	LAKE ELSINORE	CA	92530	31910 MISSION TRL	LAKE ELSINORE	CA	92530
363-172-022	4370 LA JOLLA VILLAGE DR 850	SAN DIEGO	CA	92122	31952 MISSION TRL	LAKE ELSINORE	CA	92530
363-540-009	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	LAKE ELSINORE	CA	92530
363-540-013	1589 MILL ST	LAKE ELSINORE	CA	92530	1589 MILL ST	LAKE ELSINORE	CA	92530
363-540-017	1983 INVERNESS LN	SANTA BARBARA	CA	93108	N/AVAIL	LAKE ELSINORE	CA	92530
363-540-018	1983 INVERNESS LN	SANTA BARBARA	CA	93108	N/AVAIL	LAKE ELSINORE	CA	92530
363-540-019	1983 INVERNESS LN	SANTA BARBARA	CA	93108	31201 AUTO CENTER DR	LAKE ELSINORE	CA	92530
363-540-020	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	LAKE ELSINORE	N/AVAIL	92530
363-540-022	2440 PROFESSIONAL DR 100	ROSEVILLE	CA	95661	31300 AUTO CENTER DR	LAKE ELSINORE	CA	92530
363-540-024	1983 INVERNESS LN	SANTA BARBARA	CA	93108	N/AVAIL	LAKE ELSINORE	CA	92530
363-540-027	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	LAKE ELSINORE	N/AVAIL	92530
363-540-029	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	LAKE ELSINORE	N/AVAIL	92530
363-550-001	1983 INVERNESS LN	SANTA BARBARA	CA	93108	34100 AUTO CENTER DR	LAKE ELSINORE	CA	92531
363-550-002	31500 AUTO CENTER DR	LAKE ELSINORE	CA	92530	31500 AUTO CENTER DR	LAKE ELSINORE	CA	92530
363-550-003	31500 AUTO CENTER DR	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
363-550-004	31500 AUTO CENTER DR	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
365-030-001	130 S MAIN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
365-030-004	20950 WARNER CENTER LN C	WOODLAND HILLS	CA	91367	N/AVAIL	LAKE ELSINORE	CA	92530
365-030-005	20950 WARNER CENTER LN C	WOODLAND HILLS	CA	91367	N/AVAIL	N/AVAIL	CA	N/AVAIL
365-030-037	20950 WARNER CENTER LN C	WOODLAND HILLS	CA	91367	N/AVAIL	N/AVAIL	CA	N/AVAIL
365-030-039	PO BOX 3000	LAKE ELSINORE	CA	92531	N/AVAIL	BEAUMONT	CA	92223
365-030-041	7777 CENTER AVE 300	HUNTINGTON BEACH	CA	92647	32665 MISSION TRL	LAKE ELSINORE	CA	92530
365-030-043	973 GOLDEN ASPEN PL	ASHLAND	OR	97520	N/AVAIL	LAKE ELSINORE	CA	92530
365-030-045	16835 ALGONQUIN ST 207	HUNTINGTON BEACH	CA	92649	N/AVAIL	LAKE ELSINORE	CA	92530
365-030-046	20950 WARNER CENTER LN C	WOODLAND HILLS	CA	91367	N/AVAIL	N/AVAIL	CA	N/AVAIL
365-030-047	32009 CALLE GALARZA	TEMECULA	CA	92592	N/AVAIL	LAKE ELSINORE	CA	92530
365-040-003	PO BOX 65644	SALT LAKE CITY	UT	84165	20970 MALAGA RD	LAKE ELSINORE	CA	92530
365-040-011	20930 MALAGA RD	LAKE ELSINORE	CA	92530	21000 MALAGA RD	LAKE ELSINORE	CA	92532
365-040-014	5004 W 92ND AVE	WESTMINSTER	CO	80031	N/AVAIL	LAKE ELSINORE	CA	92530
365-040-016	20930 MALAGA RD	LAKE ELSINORE	CA	92530	20930 MALAGA RD	LAKE ELSINORE	CA	92530

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
365-040-021	10600 WESTMINSTER BLVD	WESTMINSTER	CO	80020	32260 MISSION TRL	LAKE ELSINORE	CA	92530
365-040-022	5004 W 92ND AVE	WESTMINSTER	CO	80031	N/AVAIL	LAKE ELSINORE	CA	92530
365-040-023	5004 W 92ND AVE	WESTMINSTER	CO	80031	N/AVAIL	LAKE ELSINORE	CA	92530
365-040-024	10600 WESTMINSTER BLVD	WESTMINSTER	CO	80020	32170 MISSION TRL	LAKE ELSINORE	CA	92530
365-040-025	5004 W 92ND AVE	WESTMINSTER	CO	80031	N/AVAIL	LAKE ELSINORE	CA	92530
365-051-001	4080 LEMON ST 2ND	RIVERSIDE	CA	92501	32308 MISSION TRL	LAKE ELSINORE	CA	92530
365-051-004	28075 JEFFERSON AVE	TEMECULA	CA	92590	32346 MISSION TRL	LAKE ELSINORE	CA	92530
365-051-005	32368 MISSION TRL	LAKE ELSINORE	CA	92530	32360 MISSION TRL	LAKE ELSINORE	CA	92530
365-051-006	32368 MISSION TRL	LAKE ELSINORE	CA	92530	32368 MISSION TRL	LAKE ELSINORE	CA	92530
365-051-007	32368 MISSION TRL	LAKE ELSINORE	CA	92530	32372 MISSION TRL	LAKE ELSINORE	CA	92530
365-051-010	32868 TIZNOW CIR	MENIFEE	CA	92584	32392 MISSION TRL	LAKE ELSINORE	CA	92530
365-051-014	1615 PORT BARMOUTH PL	NEWPORT BEACH	CA	92660	32301 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-051-015	32329 WILDOMAR RD	LAKE ELSINORE	CA	92530	32329 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-051-016	2980 BEECHWOOD AVE	LYNWOOD	CA	90262	32351 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-051-017	331 MARSHALL RD	BETHEL PARK	PA	15102	32357 WILDOMAR RD	ROMOLAND	CA	92585
365-051-018	33579 SELLERS RD	WILDOMAR	CA	92595	32365 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-051-019	469 NW BEAVER ST	PRINEVILLE	OR	97754	32381 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-051-022	32399 WILDOMAR RD	LAKE ELSINORE	CA	92530	32399 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-051-023	5228 MONTECITO DR	BAKERSFIELD	CA	93306	32341 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-051-025	67 CORTE MADERA	LAKE ELSINORE	CA	92532	32299 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-051-026	4080 LEMON ST 2ND	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
365-051-027	32391 WILDOMAR RD	LAKE ELSINORE	CA	92530	32391 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-051-028	67 CORTE MADERA	LAKE ELSINORE	CA	92532	N/AVAIL	LAKE ELSINORE	CA	92530
365-051-029	32868 TIZNOW CIR	MENIFEE	CA	92584	32386 MISSION TRL	LAKE ELSINORE	CA	92530
365-052-001	28870 YOSEMITE PL	CANYON LAKE	CA	92587	32260 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-052-002	32312 WILDOMAR RD	LAKE ELSINORE	CA	92530	32312 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-052-017	32316 WILDOMAR RD	LAKE ELSINORE	CA	92530	32316 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-052-019	9609 MEADOW MESA DR	ESCONDIDO	CA	92026	N/AVAIL	LAKE ELSINORE	CA	92530
365-052-020	9609 MEADOW MESA DR	ESCONDIDO	CA	92026	N/AVAIL	LAKE ELSINORE	CA	92530
365-052-021	9609 MEADOW MESA DR	ESCONDIDO	CA	92026	N/AVAIL	LAKE ELSINORE	CA	92530
365-053-010	16322 WHITTIER LN	HUNTINGTON BEACH	CA	92647	32175 LAKEVIEW TER	LAKE ELSINORE	CA	92530
365-053-011	16322 WHITTIER LN	HUNTINGTON BEACH	CA	92647	32185 LAKEVIEW TER	LAKE ELSINORE	CA	92530
365-053-012	32199 LAKEVIEW TER	LAKE ELSINORE	CA	92530	32199 LAKEVIEW TER	LAKE ELSINORE	CA	92530
365-053-021	306 LILAC DR	EL CAJON	CA	92021	32210 VALLEY VIEW AVE	LAKE ELSINORE	CA	92530
365-053-022	20907 MALAGA RD	LAKE ELSINORE	CA	92530	20907 MALAGA RD	LAKE ELSINORE	CA	92530
365-053-023	20931 MALAGA RD	LAKE ELSINORE	CA	92530	20931 MALAGA RD	LAKE ELSINORE	CA	92530
365-061-001	9627 GEYSER AVE	NORTHRIDGE	CA	91324	32410 MISSION TRL	LAKE ELSINORE	CA	92530
365-061-002	9627 GEYSER AVE	NORTHRIDGE	CA	91324	N/AVAIL	LAKE ELSINORE	CA	92530
365-061-003	9627 GEYSER AVE	NORTHRIDGE	CA	91324	32420 MISSION TRL	LAKE ELSINORE	CA	92530
365-061-004	20825 SYLVESTER RD	LAKE ELSINORE	CA	92530	20825 SYLVESTER RD	LAKE ELSINORE	CA	92530
365-061-005	20835 SYLVESTER RD	LAKE ELSINORE	CA	92530	20835 SYLVESTER RD	LAKE ELSINORE	CA	92530
365-061-006	20831 SYLVESTER RD	LAKE ELSINORE	CA	92530	20831 SYLVESTER RD	LAKE ELSINORE	CA	92530
365-061-007	20855 SYLVESTER RD	LAKE ELSINORE	CA	92530	20855 SYLVESTER RD	LAKE ELSINORE	CA	92530
365-061-026	33801 EL ENCANTO AVE	DANA POINT	CA	92629	20950 MARIPOSA RD	LAKE ELSINORE	CA	92530
365-061-027	888 EAST WALNUT ST	PASADENA	CA	91101	20930 MARIPOSA RD	LAKE ELSINORE	CA	92530
365-061-028	28075 JEFFERSON AVE	TEMECULA	CA	92590	32430 MISSION TRL	LAKE ELSINORE	CA	92530
365-061-029	28075 JEFFERSON AVE	TEMECULA	CA	92590	N/AVAIL	LAKE ELSINORE	CA	92530
365-061-034	28075 JEFFERSON AVE	TEMECULA	CA	92590	32444 MISSION TRL	LAKE ELSINORE	CA	92530
365-062-009	20951 MARIPOSA RD	LAKE ELSINORE	CA	92530	20951 MARIPOSA RD	LAKE ELSINORE	CA	92530
365-062-010	20935 MARIPOSA RD	LAKE ELSINORE	CA	92530	20935 MARIPOSA RD	LAKE ELSINORE	CA	92530
365-062-011	31750 MACHADO ST O	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
365-062-013	20942 ELBERTA RD	LAKE ELSINORE	CA	92530	20942 ELBERTA RD	LAKE ELSINORE	CA	92530
365-062-014	20940 ELBERTA RD	LAKE ELSINORE	CA	92530	20940 ELBERTA RD	LAKE ELSINORE	CA	92530
365-062-015	600 CENTRAL AVE F	LAKE ELSINORE	CA	92530	20950 ELBERTA RD	LAKE ELSINORE	CA	92530
365-062-018	352 RED SPRUCE PL	PERRIS	CA	92570	32494 MISSION TRL	LAKE ELSINORE	CA	92530
365-071-002	PO BOX 1405	RIVERSIDE	CA	92502	32176 LAKEVIEW TER	LAKE ELSINORE	CA	92530
365-071-003	PO BOX 1405	RIVERSIDE	CA	92502	32186 LAKEVIEW TER	LAKE ELSINORE	CA	92530
365-092-001	32473 WILDOMAR RD	LAKE ELSINORE	CA	92530	32473 WILDOMAR RD	LAKE ELSINORE	CA	92530

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ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
365-092-002	32485 WILDOMAR RD	LAKE ELSINORE	CA	92530	32485 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-092-003	32489 WILDOMAR RD	LAKE ELSINORE	CA	92530	32489 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-092-014	15 VISTA TOSCANA	LAKE ELSINORE	CA	92532	32490 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-092-015	32486 CRESCENT AVE	LAKE ELSINORE	CA	92530	32486 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-092-016	1584 SAN BERNARDINO PL	COSTA MESA	CA	92627	32480 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-092-017	32476 CRESCENT AVE	LAKE ELSINORE	CA	92530	32476 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-092-018	32504 CRESCENT AVE	LAKE ELSINORE	CA	92530	32504 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-092-024	32500 CRESCENT AVE	LAKE ELSINORE	CA	92530	32500 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-092-030	32510 CRESCENT AVE	LAKE ELSINORE	CA	92530	32510 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-092-031	32506 CRESCENT AVE	LAKE ELSINORE	CA	92530	32506 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-092-032	32295 MISSION TRL 8	LAKE ELSINORE	CA	92530	32522 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-092-033	32510 CRESCENT AVE	LAKE ELSINORE	CA	92530	N/AVAIL	N/AVAIL	CA	N/AVAIL
365-093-001	32505 CRESCENT AVE	LAKE ELSINORE	CA	92530	32505 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-093-002	3002 DOW AVE 404	TUSTIN	CA	92780	32511 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-093-003	3002 DOW AVE 404	TUSTIN	CA	92780	32521 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-093-004	3002 DOW AVE 404	TUSTIN	CA	92780	32531 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-093-005	32539 CRESCENT AVE	LAKE ELSINORE	CA	92530	32539 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-093-006	20095 PALOMAR ST	WILDOMAR	CA	92595	32543 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-093-007	750 E 5TH ST 72	AZUSA	CA	91702	32549 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-093-010	PO BOX 556	MURRIETA	CA	92564	32542 MISSION TRL	LAKE ELSINORE	CA	92530
365-093-011	17440 HAYNES AVE	LAKE ELSINORE	CA	92530	32538 MISSION TRL	LAKE ELSINORE	CA	92530
365-093-012	32534 MISSION TRL	LAKE ELSINORE	CA	92530	32534 MISSION TRL	LAKE ELSINORE	CA	92530
365-093-013	32532 MISSION TRL	LAKE ELSINORE	CA	92530	32532 MISSION TRL	LAKE ELSINORE	CA	92530
365-093-014	32505 CRESCENT AVE	LAKE ELSINORE	CA	92530	32526 MISSION TRL	LAKE ELSINORE	CA	92530
365-093-015	1584 SAN BERNARDINO PL	COSTA MESA	CA	92627	32501 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-093-016	102 S EUCALYPTUS DR	ANAHEIM	CA	92808	32510 MISSION TRL	LAKE ELSINORE	CA	92530
365-103-001	39660 GLENWOOD CT	MURRIETA	CA	92563	32551 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-103-002	32555 CRESCENT AVE	LAKE ELSINORE	CA	92530	32555 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-103-003	32559 CRESCENT AVE	LAKE ELSINORE	CA	92530	32559 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-103-004	41950 SKYWOOD DR	TEMECULA	CA	92591	32563 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-103-005	29039 STONERIDGE TER	LAKE ELSINORE	CA	92530	32565 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-103-006	32569 CRESCENT AVE	LAKE ELSINORE	CA	92530	32569 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-103-007	32567 CRESCENT AVE	LAKE ELSINORE	CA	92530	32567 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-103-008	32575 CRESCENT AVE	LAKE ELSINORE	CA	92530	32575 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-103-009	32581 CRESCENT AVE	LAKE ELSINORE	CA	92530	32581 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-103-010	32587 CRESCENT AVE	LAKE ELSINORE	CA	92530	32587 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-103-011	5101-/2 N COMMONWEALTH	LOS ANGELES	CA	90004	32591 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-103-012	1616 WOODLEAF CIR	ROSEVILLE	CA	95747	21054 SEDCO BLVD	LAKE ELSINORE	CA	92530
365-103-013	21024 SEDCO BLVD	LAKE ELSINORE	CA	92530	21034 SEDCO BLVD	LAKE ELSINORE	CA	92530
365-103-014	21024 SEDCO BLVD	LAKE ELSINORE	CA	92530	21024 SEDCO BLVD	LAKE ELSINORE	CA	92530
365-103-015	32590 MISSION TRL	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
365-103-016	32590 MISSION TRL	LAKE ELSINORE	CA	92530	32590 MISSION TRL	LAKE ELSINORE	CA	92530
365-103-017	510-1/2 N COMMONWEALTH AVE	LOS ANGELES	CA	90004	N/AVAIL	LAKE ELSINORE	CA	92530
365-103-018	32584 MISSION TRL	LAKE ELSINORE	CA	92530	32584 MISSION TRL	LAKE ELSINORE	CA	92530
365-103-019	7255 BAYMEADOWS WAY	JACKSONVILLE	FL	32256	32580 MISSION TRL	LAKE ELSINORE	CA	92530
365-103-020	32580 MISSION TRL	LAKE ELSINORE	CA	92530	N/AVAIL	WILDOMAR	CA	92595
365-103-021	17979 VALENCIA ST	HESPERIA	CA	92345	32576 MISSION TRL	LAKE ELSINORE	CA	92530
365-103-022	32574 MISSION TRL	LAKE ELSINORE	CA	92530	32574 MISSION TRL	LAKE ELSINORE	CA	92530
365-103-023	2934 LOS CAMPOS DR	FALLBROOK	CA	92028	32572 MISSION TRL	LAKE ELSINORE	CA	92530
365-103-024	32760 SCALES WAY	LAKE ELSINORE	CA	92530	32566 MISSION TRL	LAKE ELSINORE	CA	92530
365-103-025	32560 MISSION TRL	LAKE ELSINORE	CA	92530	32560 MISSION TRL	LAKE ELSINORE	CA	92530
365-103-032	42820 JOSHUA TREE CT	MURRIETA	CA	92562	32554 MISSION TRL	LAKE ELSINORE	CA	92530
365-103-033	42820 JOSHUA TREE CT	MURRIETA	CA	92562	N/AVAIL	LAKE ELSINORE	CA	92530
365-111-001	21025 SEDCO BLVD	LAKE ELSINORE	CA	92530	21025 SEDCO BLVD	LAKE ELSINORE	CA	92530
365-111-002	1138 S STATE COLLEGE BLVD	ANAHEIM	CA	92806	N/AVAIL	LAKE ELSINORE	CA	92530
365-111-003	32667 CRESCENT AVE	LAKE ELSINORE	CA	92530	32667 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-111-004	32681 CRESCENT AVE	LAKE ELSINORE	CA	92530	32681 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-111-005	32970 LAKEVIEW TER	LAKE ELSINORE	CA	92530	32687 CRESCENT AVE	LAKE ELSINORE	CA	92530

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
8/28/2009

APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_S	SITE_ZIP
365-111-006	32700 MISSION TRL	LAKE ELSINORE	CA	92530	32691 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-111-007	32700 MISSION TRL	LAKE ELSINORE	CA	92530	32741 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-111-008	9014 GOTHAM ST	DOWNEY	CA	90241	32745 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-111-009	9014 GOTHAM ST	DOWNEY	CA	90241	32780 MISSION TRL	LAKE ELSINORE	CA	92530
365-111-010	32700 MISSION TRL	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
365-111-011	32700 MISSION TRL	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
365-111-012	32700 MISSION TRL	LAKE ELSINORE	CA	92530	32700 MISSION TRL	LAKE ELSINORE	CA	92530
365-111-013	32700 MISSION TRL	LAKE ELSINORE	CA	92530	32690 MISSION TRL	LAKE ELSINORE	CA	92530
365-111-014	32680 MISSION TRL	LAKE ELSINORE	CA	92530	32680 MISSION TRL	LAKE ELSINORE	CA	92530
365-111-015	32680 MISSION TRL	LAKE ELSINORE	CA	92530	32666 MISSION TRL	LAKE ELSINORE	CA	92530
365-111-016	3002 MAXWELL ST	LOS ANGELES	CA	90027	32654 MISSION TRL	LAKE ELSINORE	CA	92530
365-111-017	32640 MISSION TRL	LAKE ELSINORE	CA	92530	32640 MISSION TRL	LAKE ELSINORE	CA	92530
365-111-018	32620 MISSION TRL	LAKE ELSINORE	CA	92530	32620 MISSION TRL	LAKE ELSINORE	CA	92530
365-112-010	44344 NIGHTHAWK PASS	TEMECULA	CA	92592	32776 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-112-011	32770 CRESCENT AVE	LAKE ELSINORE	CA	92530	32770 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-112-012	32752 CRESCENT AVE	LAKE ELSINORE	CA	92530	32752 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-112-013	4744 ADENMOOR AVE	LAKEWOOD	CA	90713	32712 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-112-014	32690 CRESCENT AVE	LAKE ELSINORE	CA	92530	32690 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-112-015	29379 OLD WRANGLER RD	CANYON LAKE	CA	92587	32684 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-131-001	42154 CREST DR	HEMET	CA	92544	32795 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-131-003	6601 EL SELINDA AVE	BELL GARDENS	CA	90201	32920 MISSION TRL	LAKE ELSINORE	CA	92530
365-131-004	6601 EL SELINDA AVE	BELL GARDENS	CA	90201	N/AVAIL	LAKE ELSINORE	CA	92530
365-131-005	6601 EL SELINDA AVE	BELL GARDENS	CA	90201	N/AVAIL	LAKE ELSINORE	CA	92530
365-131-006	17440 HAYNES AVE	LAKE ELSINORE	CA	92530	32860 MISSION TRL	LAKE ELSINORE	CA	92530
365-131-007	41763 IVY ST	MURRIETA	CA	92562	32840 MISSION TRL	LAKE ELSINORE	CA	92530
365-131-008	32790 MISSION TR	LAKE ELSINORE	CA	92530	32790 MISSION TRL	LAKE ELSINORE	CA	92530
365-131-010	32821 CRESCENT AVE	LAKE ELSINORE	CA	92530	32821 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-131-011	28178 WELLS FARGO	LAKE ELSINORE	CA	92530	32820 MISSION TRL	LAKE ELSINORE	CA	92530
365-131-012	32800 MISSION TRL	LAKE ELSINORE	CA	92530	32800 MISSION TRL	LAKE ELSINORE	CA	92530
365-131-013	17440 HAYNES AVE	LAKE ELSINORE	CA	92530	32870 MISSION TRL	LAKE ELSINORE	CA	92530
365-131-014	27653 BOTTLE BRUSH WAY	MURRIETA	CA	92562	32865 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-006	32879 WILDOMAR RD	LAKE ELSINORE	CA	92530	32879 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-132-007	32891 WILDOMAR RD	LAKE ELSINORE	CA	92530	32891 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-132-008	32921 WILDOMAR RD	LAKE ELSINORE	CA	92530	32921 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-132-009	5111 LOLINA LN	CYPRESS	CA	90630	32925 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-132-010	32929 WILDOMAR RD	LAKE ELSINORE	CA	92530	32929 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-132-011	32941 WILDOMAR RD	LAKE ELSINORE	CA	92530	32941 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-132-015	32970 CRESCENT AVE	LAKE ELSINORE	CA	92530	32970 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-016	32934 CRESCENT AVE	LAKE ELSINORE	CA	92530	32934 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-017	1100 TOWN AND COUNTRY ROAD,	ORANGE	CA	92868	32927 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-018	32901 CRESCENT AVE	LAKE ELSINORE	CA	92530	32903 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-019	32901 CRESCENT AVE	LAKE ELSINORE	CA	92530	32901 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-020	32897 CRESCENT AVE	LAKE ELSINORE	CA	92530	32897 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-021	32890 CRESCENT AVE	LAKE ELSINORE	CA	92530	32890 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-022	PO BOX 546	WILDOMAR	CA	92595	32876 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-027	33579 SELLERS RD	WILDOMAR	CA	92595	32945 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-132-028	20950 DALTON AVE	TORRANCE	CA	90501	N/AVAIL	LAKE ELSINORE	CA	92530
365-132-032	PO BOX 282	JOLON	CA	93928	32935 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-132-033	200 N EL CAMINO REAL 354	OCEANSIDE	CA	92058	32980 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-034	32995 WILDOMAR RD	LAKE ELSINORE	CA	92530	32995 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-132-035	23905 CLINTON KEITH RD	WILDOMAR	CA	92595	32990 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-038	32800 CRESCENT AVE	LAKE ELSINORE	CA	92530	32800 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-039	32820 CRESCENT AVE	LAKE ELSINORE	CA	92530	32820 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-040	3979 ALHAMBRA	MARTINEZ	CA	94553	32580 CRESCENT AVE	LAKE ELSINORE	CA	92530
365-132-041	32770 ELM ST	WILDOMAR	CA	92595	32965 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-132-042	451 7TH STREET S.W.	WASHINGTON	DC	20410	32975 WILDOMAR RD	LAKE ELSINORE	CA	92530
365-210-011	10439 WOODRUFF AVE	DOWNEY	CA	90241	N/AVAIL	WILDOMAR	CA	92595
365-210-012	26191 MOONBEAM CIR	SUN CITY	CA	92586	32975 LOST ST	LAKE ELSINORE	CA	92530

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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
365-250-019	451 7TH STREET S.W.	WASHINGTON	DC	20410	23480 CROOKED ARROW DR	WILDOMAR	CA	92595
365-250-035	6931 AUBURN DR	HUNTINGTON BEACH	CA	92647	23245 CRAB HOLLOW CIR	WILDOMAR	CA	92595
365-250-036	23495 CROOKED ARROW DR	WILDOMAR	CA	92595	23495 CROOKED ARROW DR	WILDOMAR	CA	92595
365-250-037	22210 VILLAGE WAY DR	CANYON LAKE	CA	92587	24410 CRAB HOLLOW CIR	LAKE ELSINORE	CA	92532
365-250-040	PO BOX 1078	BLOOMINGTON	CA	92316	199 N DILLON AVE	SAN JACINTO	CA	92583
365-250-041	34640 JENNIFER DR	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
365-250-042	23805 CLOUD BURST RD	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
365-250-043	8307 ORCHARD ST	ALTA LOMA	CA	91701	N/AVAIL	LAKE ELSINORE	CA	92532
365-250-044	23450 CROOKED ARROW DR	WILDOMAR	CA	92595	23450 CROOKED ARROW DR	WILDOMAR	CA	92595
365-250-048	23120 CRAB HOLLOW CIR	WILDOMAR	CA	92595	23120 CRAB HOLLOW CIR	WILDOMAR	CA	92595
365-250-058	23450 CROOKED ARROW DR	WILDOMAR	CA	92595	N/AVAIL	LAKE ELSINORE	CA	92532
365-250-059	32944 GREEN HARVEST CT	WILDOMAR	CA	92595	32944 GREEN HARVEST CT	WILDOMAR	CA	92595
365-280-003	250 NEWPORT CENTER DR 103	NEWPORT BEACH	CA	92660	32291 MISSION TRL	LAKE ELSINORE	CA	92530
365-280-019	PO BOX 20	BOISE	ID	83726	32281 MISSION TRL	LAKE ELSINORE	CA	92530
365-280-021	250 NEWPORT CENTER DR 103	NEWPORT BEACH	CA	92660	32295 MISSION TRL	LAKE ELSINORE	CA	92530
366-021-001	39252 WINCHESTER RD 107	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
366-021-002	21129 OLIVE ST	LAKE ELSINORE	CA	92530	21129 OLIVE ST	LAKE ELSINORE	CA	92530
366-021-003	21149 OLIVE ST	LAKE ELSINORE	CA	92530	21149 OLIVE ST	LAKE ELSINORE	CA	92530
366-021-005	32820 LAKEVIEW TER	LAKE ELSINORE	CA	92530	33045 WILDOMAR RD	WILDOMAR	CA	92595
366-021-006	28876 LAKEFRONT RD	TEMECULA	CA	92591	33059 WILDOMAR RD	LAKE ELSINORE	CA	92530
366-021-007	39124 VIA PAMPLONA	MURRIETA	CA	92563	33074 MISSION TRL	LAKE ELSINORE	CA	92530
366-021-008	7044 PELLET ST	DOWNEY	CA	90241	33090 MISSION TRL	WILDOMAR	CA	92595
366-021-009	34940 MISSION TRL	WILDOMAR	CA	92595	21140 VINE ST	WILDOMAR	CA	92595
366-021-011	33025 WILDOMAR RD	LAKE ELSINORE	CA	92530	33025 WILDOMAR RD	LAKE ELSINORE	CA	92530
366-021-012	39252 WINCHESTER RD 107	MURRIETA	CA	92563	33030 MISSION TRL	WILDOMAR	CA	92595
366-023-005	21341 CALLE VILLA CLARA	SAN JUAN CAPISTRANO	CA	92675	33190 MISSION TRL	WILDOMAR	CA	92595
366-023-006	33171 WILDOMAR RD	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
366-023-007	2934 LOS CAMPOS DR	FALLBROOK	CA	92028	N/AVAIL	WILDOMAR	CA	92595
366-023-008	406 E TRUSLOW AVE	FULLERTON	CA	92832	33210 MISSION TRL	WILDOMAR	CA	92595
366-023-009	32364 CLEAR WATER DR	LAKE ELSINORE	CA	92532	33230 MISSION TRL	WILDOMAR	CA	92595
366-031-001	2934 LOS CAMPOS DR	FALLBROOK	CA	92028	33260 MISSION TRL	WILDOMAR	CA	92595
366-031-002	1278 GLENNEYRE ST 299	LAGUNA BEACH	CA	92651	33276 MISSION TRL	WILDOMAR	CA	92595
366-031-003	33320 MISSION TRL	WILDOMAR	CA	92595	33278 WILDOMAR RD	LAKE ELSINORE	CA	92530
366-033-001	33320 MISSION TRL	WILDOMAR	CA	92595	33320 MISSION TRL	WILDOMAR	CA	92595
366-033-009	2214 MOUNTAIN AVE	DUARTE	CA	91010	33362 MISSION TRL	WILDOMAR	CA	92595
366-033-010	2214 MOUNTAIN AVE	DUARTE	CA	91010	33366 MISSION TRL	WILDOMAR	CA	92595
366-033-013	29881 WEATHERWOOD	LAGUNA NIGUEL	CA	92677	N/AVAIL	WILDOMAR	CA	92595
366-033-020	34812 CALLE DEL SOL	CAPISTRANO BEACH	CA	92624	33440 MISSION TRL	WILDOMAR	CA	92595
366-033-021	38180 DEL WEBB BLVD	PALM DESERT	CA	92211	33480 MISSION TRL	WILDOMAR	CA	92595
366-033-022	21190 LEMON ST	WILDOMAR	CA	92595	21190 LEMON ST	WILDOMAR	CA	92595
366-033-023	21180 LEMON ST	WILDOMAR	CA	92595	21180 LEMON ST	WILDOMAR	CA	92595
366-033-026	375 BRISTOL ST 50	COSTA MESA	CA	92626	33400 MISSION TRL	WILDOMAR	CA	92595
366-033-027	33340 MISSION TRL	WILDOMAR	CA	92595	33340 MISSION TRL	WILDOMAR	CA	92595
366-033-028	321 E HEALD AVE	LAKE ELSINORE	CA	92530	N/AVAIL	WILDOMAR	CA	92595
366-112-008	21748 LEMON ST	WILDOMAR	CA	92595	21748 LEMON ST	WILDOMAR	CA	92595
366-112-009	21748 LEMON ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
366-120-025	PO BOX 1987	LAKE ARROWHEAD	CA	92352	N/AVAIL	WILDOMAR	CA	92595
366-120-041	1501 MESA VERDE	FULLERTON	CA	92833	N/AVAIL	WILDOMAR	CA	92595
366-120-048	PO BOX 1202	WILDOMAR	CA	92595	21950 LEMON ST	WILDOMAR	CA	92595
366-130-038	33520 MISSION TRL	WILDOMAR	CA	92595	33520 MISSION TRL	WILDOMAR	CA	92595
366-130-039	6391 SPRINT PKWY	OVERLAND PARK	KS	66251	33600 MISSION TRL	WILDOMAR	CA	92595
366-130-040	11029 WEAVER AVE	SOUTH EL MONTE	CA	91733	N/AVAIL	WILDOMAR	CA	92595
366-140-005	1079 AMHERST AVE	HEMET	CA	92544	21212 WAITE ST	WILDOMAR	CA	92595
366-140-006	1079 AMHERST AVE	HEMET	CA	92544	21330 WAITE ST	WILDOMAR	CA	92595
366-140-008	PO BOX 737	WILDOMAR	CA	92595	21180 WAITE ST	WILDOMAR	CA	92595
366-140-009	PO BOX 1564	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
366-140-010	24125 OUTRIGGER DR	CANYON LAKE	CA	92587	N/AVAIL	N/AVAIL	CA	N/AVAIL
366-140-011	PO BOX 1564	WILDOMAR	CA	92595	33700 MISSION TRL	WILDOMAR	CA	92595

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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
366-140-012	7532 WASHINGTON AVE B	HUNTINGTON BEACH	CA	92647	N/AVAIL	WILDOMAR	CA	92595
366-140-013	PO BOX 7058	CAPISTRANO BEACH	CA	92624	33705 MISSION TRL	WILDOMAR	CA	92595
366-140-014	PO BOX 7058	CAPISTRANO BEACH	CA	92624	33704 MISSION TRL	WILDOMAR	CA	92595
366-150-004	21191 WAITE ST	WILDOMAR	CA	92595	21191 WAITE ST	WILDOMAR	CA	92595
366-150-005	21245 WAITE ST	WILDOMAR	CA	92595	21245 WAITE ST	WILDOMAR	CA	92595
366-150-006	21249 WAITE ST	WILDOMAR	CA	92595	21249 WAITE ST	WILDOMAR	CA	92595
366-150-007	21253 WAITE ST	WILDOMAR	CA	92595	21253 WAITE ST	WILDOMAR	CA	92595
366-150-019	21313 WAITE ST	WILDOMAR	CA	92595	21313 WAITE ST	WILDOMAR	CA	92595
366-150-020	21311 WAITE ST	WILDOMAR	CA	92595	21311 WAITE ST	WILDOMAR	CA	92595
366-150-021	21301 WAITE ST	WILDOMAR	CA	92595	21301 WAITE ST	WILDOMAR	CA	92595
366-150-022	21307 WAITE ST	WILDOMAR	CA	92595	21307 WAITE ST	WILDOMAR	CA	92595
366-150-027	21345 WAITE ST	WILDOMAR	CA	92595	21345 WAITE ST	WILDOMAR	CA	92595
366-150-036	33800 MISSION TRL	WILDOMAR	CA	92595	33800 MISSION TRL	WILDOMAR	CA	92595
366-150-038	4491 E RIDGE GATE RD	ANAHEIM	CA	92807	33774 MISSION TRL	WILDOMAR	CA	92595
366-160-007	21481 WAITE ST	WILDOMAR	CA	92595	21481 WAITE ST	WILDOMAR	CA	92595
366-160-065	33786 JO ANN CT	WILDOMAR	CA	92595	33786 JO ANN CT	WILDOMAR	CA	92595
366-160-071	20678 GRAND AVE	WILDOMAR	CA	92595	21371 WAITE ST	WILDOMAR	CA	92595
366-160-076	21441 WAITE ST	WILDOMAR	CA	92595	21441 WAITE ST	WILDOMAR	CA	92595
366-181-001	2430 OUR COUNTRY RD	ESCONDIDO	CA	92029	33761 ALMOND ST	WILDOMAR	CA	92595
366-181-002	33773 ALMOND ST	WILDOMAR	CA	92595	33773 ALMOND ST	WILDOMAR	CA	92595
366-181-003	33785 ALMOND ST	WILDOMAR	CA	92595	33785 ALMOND ST	WILDOMAR	CA	92595
366-181-004	33797 ALMOND ST	WILDOMAR	CA	92595	33797 ALMOND ST	WILDOMAR	CA	92595
366-181-010	33758 AMBERTON ST	WILDOMAR	CA	92595	33758 AMBERTON ST	WILDOMAR	CA	92595
366-181-011	33770 AMBERTON ST	WILDOMAR	CA	92595	33770 AMBERTON ST	WILDOMAR	CA	92595
366-181-012	33782 AMBERTON ST	WILDOMAR	CA	92595	33782 AMBERTON ST	WILDOMAR	CA	92595
366-181-013	33794 AMBERTON ST	WILDOMAR	CA	92595	33794 AMBERTON ST	WILDOMAR	CA	92595
366-181-024	33795 AMBERTON ST	WILDOMAR	CA	92595	33795 AMBERTON ST	WILDOMAR	CA	92595
366-181-025	21325 GRAND AVE	WILDOMAR	CA	92595	33783 AMBERTON ST	WILDOMAR	CA	92595
366-181-026	33771 AMBERTON ST	WILDOMAR	CA	92595	33771 AMBERTON ST	WILDOMAR	CA	92595
366-181-027	33759 AMBERTON ST	WILDOMAR	CA	92595	33759 AMBERTON ST	WILDOMAR	CA	92595
366-182-001	41763 IVY ST	MURRIETA	CA	92562	21517 WAITE ST	WILDOMAR	CA	92595
366-182-014	21547 WAITE ST	WILDOMAR	CA	92595	21547 WAITE ST	WILDOMAR	CA	92595
366-182-020	PO BOX 5785	SAN BERNARDINO	CA	92412	21579 WAITE ST	WILDOMAR	CA	92595
366-182-021	21575 WAITE ST	WILDOMAR	CA	92595	21575 WAITE ST	WILDOMAR	CA	92595
366-182-024	21623 WAITE ST	WILDOMAR	CA	92595	21623 WAITE ST	WILDOMAR	CA	92595
366-182-025	21627 WAITE ST	WILDOMAR	CA	92595	21627 WAITE ST	WILDOMAR	CA	92595
366-182-031	33761 LINDA VISTA LN	WILDOMAR	CA	92595	33761 LINDA VISTA LN	WILDOMAR	CA	92595
366-182-032	33773 LINDA VISTA LN	WILDOMAR	CA	92595	33773 LINDA VISTA LN	WILDOMAR	CA	92595
366-182-033	42955 JUNIPER ST	MURRIETA	CA	92562	33785 LINDA VISTA LN	WILDOMAR	CA	92595
366-182-034	33797 LINDA VISTA LN	WILDOMAR	CA	92595	33797 LINDA VISTA LN	WILDOMAR	CA	92595
366-182-045	33796 LINDA VISTA LN	WILDOMAR	CA	92595	33796 LINDA VISTA LN	WILDOMAR	CA	92595
366-182-046	22475 ALAMEDA DEL MONTE	WILDOMAR	CA	92595	33784 LINDA VISTA LN	WILDOMAR	CA	92595
366-182-047	33772 LINDA VISTA LN	WILDOMAR	CA	92595	33772 LINDA VISTA LN	WILDOMAR	CA	92595
366-182-048	PO BOX 446	VISTA	CA	92085	33760 LINDA VISTA LN	WILDOMAR	CA	92595
366-182-055	32580 CORYDON RD	WILDOMAR	CA	92595	21571 WAITE ST	WILDOMAR	CA	92595
366-182-056	21611 WAITE ST	WILDOMAR	CA	92595	21611 WAITE ST	WILDOMAR	CA	92595
366-182-057	PO BOX 40	DELTA	CO	81416	N/AVAIL	WILDOMAR	CA	92595
366-182-058	21545 WAITE ST	WILDOMAR	CA	92595	21545 WAITE ST	WILDOMAR	CA	92595
366-182-059	227 WIND HVN	BOSSIER CITY	LA	71111	21527 WAITE ST	WILDOMAR	CA	92595
366-182-060	227 WIND HVN	BOSSIER CITY	LA	71111	33711 BONNIE LN	WILDOMAR	CA	92595
366-182-061	33787 BONNIE LN	WILDOMAR	CA	92595	33787 BONNIE LN	WILDOMAR	CA	92595
366-182-066	14691 AMOROSE ST	LAKE ELSINORE	CA	92530	33768 BONNIE LN	WILDOMAR	CA	92595
366-190-006	PO BOX 1545	WILDOMAR	CA	92595	33551 PLEASANT LN	WILDOMAR	CA	92595
366-190-007	750 E 5TH ST 72	AZUSA	CA	91702	33555 ORANGE ST	WILDOMAR	CA	92595
366-190-010	33571 PLEASANT LN	WILDOMAR	CA	92595	33571 PLEASANT LN	WILDOMAR	CA	92595
366-190-026	21757 LAGO VISTA LN	WILDOMAR	CA	92595	21757 LAGO VISTA LN	WILDOMAR	CA	92595
366-190-027	21771 LAGO VISTA LN	WILDOMAR	CA	92595	21771 LAGO VISTA LN	WILDOMAR	CA	92595
366-190-028	20962 LAGUNA AVE	WILDOMAR	CA	92595	21787 LAGO VISTA LN	WILDOMAR	CA	92595

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366-190-029	21801 LAGO VISTA LN	WILDOMAR	CA	92595	21801 LAGO VISTA LN	WILDOMAR	CA	92595
366-190-030	921 HARBOR VW	SAN PEDRO	CA	90731	21756 LAGO VISTA LN	WILDOMAR	CA	92595
366-190-031	21770 LAGO VISTA LN	WILDOMAR	CA	92595	21770 LAGO VISTA LN	WILDOMAR	CA	92595
366-190-032	21786 LAGO VISTA LN	WILDOMAR	CA	92595	21786 LAGO VISTA LN	WILDOMAR	CA	92595
366-190-034	33650 ALMOND ST	WILDOMAR	CA	92595	21756 DOROTHY LN	WILDOMAR	CA	92595
366-190-035	21770 DOROTHY LN	WILDOMAR	CA	92595	21770 DOROTHY LN	WILDOMAR	CA	92595
366-190-036	PO BOX 363	TEMECULA	CA	92593	21786 DOROTHY LN	WILDOMAR	CA	92595
366-190-041	21903 LEMON ST	WILDOMAR	CA	92595	21903 LEMON ST	WILDOMAR	CA	92595
366-190-042	1720 N ANZAC AVE	COMPTON	CA	90222	33541 ORANGE ST	WILDOMAR	CA	92595
366-190-043	21975 LEMON ST	WILDOMAR	CA	92595	21975 LEMON ST	WILDOMAR	CA	92595
366-190-044	33520 ALMOND ST	WILDOMAR	CA	92595	33520 ALMOND ST	WILDOMAR	CA	92595
366-190-045	33540 ALMOND ST	WILDOMAR	CA	92595	33540 ALMOND ST	WILDOMAR	CA	92595
366-190-046	21930 PLEASANT LN	WILDOMAR	CA	92595	21930 PLEASANT LN	WILDOMAR	CA	92595
366-190-050	2500 MICHELSON DR 100	IRVINE	CA	92612	N/AVAIL	WILDOMAR	CA	92595
366-190-055	17734 PALO VERDE AVE	CERRITOS	CA	90703	21800 LAGO VISTA LN	WILDOMAR	CA	92595
366-190-056	5949 OLD MEMORY LN	SAN DIEGO	CA	92114	N/AVAIL	WILDOMAR	CA	92595
366-190-057	33565 PLEASANT LN	WILDOMAR	CA	92595	33565 PLEASANT LN	WILDOMAR	CA	92595
366-190-058	21960 PLEASANT LN	WILDOMAR	CA	92595	21960 PLEASANT LN	WILDOMAR	CA	92595
366-200-019	21758 WAITE ST	WILDOMAR	CA	92595	21758 WAITE ST	WILDOMAR	CA	92595
366-200-020	25255 PARKCREST DR	MURRIETA	CA	92562	21800 WAITE ST	WILDOMAR	CA	92595
366-200-026	21795 DOROTHY LN	WILDOMAR	CA	92595	21795 DOROTHY LN	WILDOMAR	CA	92595
366-200-027	33650 ALMOND ST	WILDOMAR	CA	92595	33650 ALMOND ST	WILDOMAR	CA	92595
366-200-028	33690 ALMOND ST	WILDOMAR	CA	92595	33690 ALMOND ST	WILDOMAR	CA	92595
366-200-029	26701 PARISO DR	MISSION VIEJO	CA	92691	21785 HAGER LN	TEMECULA	CA	92592
366-210-018	33784 ALMOND ST	WILDOMAR	CA	92595	33784 ALMOND ST	WILDOMAR	CA	92595
366-210-019	21805 WAITE ST	WILDOMAR	CA	92595	21805 WAITE ST	WILDOMAR	CA	92595
366-210-020	28840 STONE LN	SUN CITY	CA	92585	21821 WAITE ST	WILDOMAR	CA	92595
366-210-032	33804 ALMOND ST	WILDOMAR	CA	92595	33804 ALMOND ST	WILDOMAR	CA	92595
366-230-002	9010 CORBIN AVE 10	NORTHRIDGE	CA	91324	N/AVAIL	WILDOMAR	CA	92595
366-230-004	9010 CORBIN AVE 10	NORTHRIDGE	CA	91324	N/AVAIL	WILDOMAR	CA	92595
366-230-006	22456 LOST RD	WILDOMAR	CA	92595	22456 LOST RD	WILDOMAR	CA	92595
366-230-007	22470 LOST RD	WILDOMAR	CA	92595	22470 LOST RD	WILDOMAR	CA	92595
366-230-008	33105 GAFFORD RD	WILDOMAR	CA	92595	33105 GAFFORD RD	WILDOMAR	CA	92595
366-230-009	22386 GAFFORD RD	WILDOMAR	CA	92595	22386 GAFFORD RD	WILDOMAR	CA	92595
366-230-010	22346 LEMON ST	WILDOMAR	CA	92595	22346 LEMON ST	WILDOMAR	CA	92595
366-230-011	PO BOX 75367	LOS ANGELES	CA	90075	22330 LEMON ST	WILDOMAR	CA	92595
366-230-012	29541 NICHOLS ST	LAKE ELSINORE	CA	92530	22360 LEMON ST	WILDOMAR	CA	92595
366-230-013	22374 LEMON ST	WILDOMAR	CA	92595	22374 LEMON ST	WILDOMAR	CA	92595
366-230-014	22386 LEMON ST	WILDOMAR	CA	92595	22386 LEMON ST	WILDOMAR	CA	92595
366-230-018	PO BOX 571	WILDOMAR	CA	92595	22337 LEMON ST	WILDOMAR	CA	92595
366-230-019	PO BOX 504	WILDOMAR	CA	92595	22331 LEMON ST	WILDOMAR	CA	92595
366-230-023	22440 LOST RD	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
366-230-025	13371 JESSICA DR	GARDEN GROVE	CA	92843	22395 LEMON ST	WILDOMAR	CA	92595
366-230-026	33319 GAFFORD RD	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
366-230-037	22347 LEMON ST	WILDOMAR	CA	92595	22347 LEMON ST	WILDOMAR	CA	92595
366-230-040	33320 GAFFORD RD	WILDOMAR	CA	92595	33320 GAFFORD RD	WILDOMAR	CA	92595
366-230-041	33330 GAFFORD RD	WILDOMAR	CA	92595	33330 GAFFORD RD	WILDOMAR	CA	92595
366-230-049	9010 CORBIN AVE 10	NORTHRIDGE	CA	91324	22420 LOST RD	WILDOMAR	CA	92595
366-240-002	22740 LOST RD	WILDOMAR	CA	92595	22740 LOST RD	WILDOMAR	CA	92595
366-240-003	22650 LOST RD	WILDOMAR	CA	92595	22650 LOST RD	WILDOMAR	CA	92595
366-240-004	4067 HARDWICK ST 550	LAKEWOOD	CA	90712	22747 LOST RD	WILDOMAR	CA	92595
366-240-007	22701 LOST RD	WILDOMAR	CA	92595	22701 LOST RD	WILDOMAR	CA	92595
366-240-008	PO BOX 3364	SAN DIMAS	CA	91773	22603 LOST RD	WILDOMAR	CA	92595
366-240-009	22559 LOST RD	WILDOMAR	CA	92595	22559 LOST RD	WILDOMAR	CA	92595
366-240-012	22517 LOST RD	WILDOMAR	CA	92595	22517 LOST RD	WILDOMAR	CA	92595
366-240-013	22507 LOST RD	WILDOMAR	CA	92595	22507 LOST RD	WILDOMAR	CA	92595
366-240-014	22491 LOST RD	WILDOMAR	CA	92595	22491 LOST RD	WILDOMAR	CA	92595
366-240-026	PO BOX 691	SUN CITY	CA	92586	22500 LOST RD	WILDOMAR	CA	92595

SOURCE: LAND VISION

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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_S	SITE_ZIP
366-240-027	33125 DIAL RD	WILDOMAR	CA	92595	33125 DIAL RD	WILDOMAR	CA	92595
366-240-029	33610 DIAL RD	WILDOMAR	CA	92595	33610 DIAL RD	WILDOMAR	CA	92595
366-240-056	22543 LOST RD	WILDOMAR	CA	92595	22543 LOST RD	WILDOMAR	CA	92595
366-240-057	22531 LOST RD	WILDOMAR	CA	92595	22531 LOST RD	WILDOMAR	CA	92595
366-240-059	33020 DIAL RD	WILDOMAR	CA	92595	33020 DIAL RD	WILDOMAR	CA	92595
366-240-060	2183 APPLEGATE DR	CORONA	CA	92882	33130 DIAL RD	WILDOMAR	CA	92595
366-240-061	33140 DIAL RD	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
366-240-062	33150 DIAL RD	WILDOMAR	CA	92595	33150 DIAL RD	WILDOMAR	CA	92595
366-250-001	4067 HARDWICK ST 550	LAKEWOOD	CA	90712	N/AVAIL	WILDOMAR	CA	92595
366-260-001	33508 ORANGE ST	WILDOMAR	CA	92595	33508 ORANGE ST	WILDOMAR	CA	92595
366-260-002	22065 LEMON ST	WILDOMAR	CA	92595	22065 LEMON ST	WILDOMAR	CA	92595
366-260-003	30507 CINNAMON TEAL DR	CANYON LAKE	CA	92587	33530 ORANGE ST	WILDOMAR	CA	92595
366-260-012	21871 VACATION LN	HUNTINGTON BEACH	CA	92646	N/AVAIL	WILDOMAR	CA	92595
366-260-013	38172 MURRIETA CREEK DR	MURRIETA	CA	92562	22131 LEMON ST	WILDOMAR	CA	92595
366-260-015	22181 LEMON ST	WILDOMAR	CA	92595	22181 LEMON ST	WILDOMAR	CA	92595
366-260-017	22221 LEMON ST	WILDOMAR	CA	92595	22221 LEMON ST	WILDOMAR	CA	92595
366-260-020	22235 LEMON ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
366-260-021	22235 LEMON ST	WILDOMAR	CA	92595	22235 LEMON ST	WILDOMAR	CA	92595
366-260-026	22740 LEMON ST	WILDOMAR	CA	92595	22101 LEMON ST	WILDOMAR	CA	92595
366-260-027	22105 LEMON ST	WILDOMAR	CA	92595	22105 LEMON ST	WILDOMAR	CA	92595
366-260-028	22109 LEMON ST	WILDOMAR	CA	92595	22109 LEMON ST	WILDOMAR	CA	92595
366-260-029	2211 LEMON ST	WILDOMAR	CA	92595	22111 LEMON ST	WILDOMAR	CA	92595
366-260-030	22083 LEMON ST	WILDOMAR	CA	92595	22083 LEMON ST	WILDOMAR	CA	92595
366-260-032	26200 SAN JACINTO ST A	HEMET	CA	92543	22245 LEMON ST	WILDOMAR	CA	92595
366-260-033	22247 LEMON ST	WILDOMAR	CA	92595	22247 LEMON ST	WILDOMAR	CA	92595
366-260-037	2610 N PARHAM RD 3	RICHMOND	VA	23294	33560 ORANGE ST	WILDOMAR	CA	92595
366-260-038	22030 PLEASANT LN	WILDOMAR	CA	92595	22030 PLEASANT LN	WILDOMAR	CA	92595
366-260-039	22050 PLEASANT LN	WILDOMAR	CA	92595	22050 PLEASANT LN	WILDOMAR	CA	92595
366-260-040	22070 PLEASANT LN	WILDOMAR	CA	92595	22070 PLEASANT LN	WILDOMAR	CA	92595
366-260-044	20995 ALAMEDA DEL MONTE	WILDOMAR	CA	92595	22113 LEMON ST	WILDOMAR	CA	92595
366-260-048	21191 WAITE ST	WILDOMAR	CA	92595	22071 LEMON ST	WILDOMAR	CA	92595
366-260-049	22079 LEMON ST	WILDOMAR	CA	92595	22079 LEMON ST	WILDOMAR	CA	92595
366-260-051	22211 LEMON ST	WILDOMAR	CA	92595	22211 LEMON ST	WILDOMAR	CA	92595
366-300-001	4660 LA JOLLA VILLAGE DR 200	SAN DIEGO	CA	92122	N/AVAIL	WILDOMAR	CA	92595
366-300-044	22301 LEMON ST	WILDOMAR	CA	92595	22301 LEMON ST	WILDOMAR	CA	92595
366-310-002	PO BOX 60948	BOULDER CITY	NV	89006	N/AVAIL	WILDOMAR	CA	92595
366-310-011	34209 COUNTRYSIDE CIR	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
366-330-001	21380 WAITE ST	WILDOMAR	CA	92595	21380 WAITE ST	WILDOMAR	CA	92595
366-330-002	4801 FREDERICA ST	OWENSBORO	KY	42301	21396 WAITE ST	WILDOMAR	CA	92595
366-330-003	21408 WAITE ST	WILDOMAR	CA	92595	21408 WAITE ST	WILDOMAR	CA	92595
366-330-004	21418 WAITE ST	WILDOMAR	CA	92595	21418 WAITE ST	WILDOMAR	CA	92595
366-330-005	21436 WAITE ST	WILDOMAR	CA	92595	21436 WAITE ST	WILDOMAR	CA	92595
366-330-006	PO BOX 793	LAKE ELSINORE	CA	92531	21452 WAITE ST	WILDOMAR	CA	92595
366-330-007	21468 WAITE ST	WILDOMAR	CA	92595	21468 WAITE ST	WILDOMAR	CA	92595
366-330-008	21482 WAITE ST	WILDOMAR	CA	92595	21482 WAITE ST	WILDOMAR	CA	92595
366-330-009	1079 AMHERST AVE	HEMET	CA	92544	N/AVAIL	LAKE ELSINORE	CA	92530
366-330-012	PO BOX 371	WILDOMAR	CA	92595	21542 WAITE ST	WILDOMAR	CA	92595
366-330-013	21580 WAITE ST	WILDOMAR	CA	92595	21580 WAITE ST	WILDOMAR	CA	92595
366-362-010	33450 MAPLE TREE LN	WILDOMAR	CA	92595	33450 MAPLE TREE LN	WILDOMAR	CA	92595
366-362-011	43343 CALLE NACIDO	TEMECULA	CA	92592	33421 MAPLE TREE LN	WILDOMAR	CA	92595
366-380-001	33525 ALMOND ST	WILDOMAR	CA	92595	33525 ALMOND ST	WILDOMAR	CA	92595
366-380-002	33549 ALMOND ST	WILDOMAR	CA	92595	33549 ALMOND ST	WILDOMAR	CA	92595
366-380-003	888 EAST WALNUT ST	PASADENA	CA	91101	33605 ALMOND ST	WILDOMAR	CA	92595
366-380-004	21664 WAGON RIM	WILDOMAR	CA	92595	21664 WAGON RIM	WILDOMAR	CA	92595
366-380-005	21650 WAGON RIM	WILDOMAR	CA	92595	21650 WAGON RIM	WILDOMAR	CA	92595
366-380-006	21638 WAGON RIM	WILDOMAR	CA	92595	21638 WAGON RIM	WILDOMAR	CA	92595
366-380-012	21703 WAGON RIM	WILDOMAR	CA	92595	21703 WAGON RIM	WILDOMAR	CA	92595
366-380-013	21715 WAGON RIM	WILDOMAR	CA	92595	21715 WAGON RIM	WILDOMAR	CA	92595

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ALBERHILL SYSTEM PROJECT
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
366-380-014	21729 WAGON RIM	WILDOMAR	CA	92595	21729 WAGON RIM	WILDOMAR	CA	92595
366-380-015	21741 WAGON RIM	WILDOMAR	CA	92595	21741 WAGON RIM	WILDOMAR	CA	92595
366-380-016	215 S HOWARD ST	CORONA	CA	92879	N/AVAIL	WILDOMAR	CA	92595
366-380-017	33689 ALMOND ST	WILDOMAR	CA	92595	33689 ALMOND ST	WILDOMAR	CA	92595
366-380-018	21698 WAITE ST	WILDOMAR	CA	92595	21698 WAITE ST	WILDOMAR	CA	92595
366-380-019	21746 WAITE ST	WILDOMAR	CA	92595	21746 WAITE ST	WILDOMAR	CA	92595
366-380-020	18972 SAN CARLOS ST	FOUNTAIN VALLEY	CA	92708	21644 WAITE ST	WILDOMAR	CA	92595
366-380-021	21658 WAITE ST	WILDOMAR	CA	92595	21658 WAITE ST	WILDOMAR	CA	92595
366-380-022	33675 LINDA VISTA LN	WILDOMAR	CA	92595	33675 LINDA VISTA LN	WILDOMAR	CA	92595
366-380-023	33680 LINDA VISTA LN	WILDOMAR	CA	92595	33680 LINDA VISTA LN	WILDOMAR	CA	92595
366-380-024	1122 E LINCOLN AVE 116	ORANGE	CA	92865	N/AVAIL	WILDOMAR	CA	92595
366-491-001	22197 COUNTRY HILLS RD	WILDOMAR	CA	92595	22197 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-491-002	22189 COUNTRY HILLS RD	WILDOMAR	CA	92595	22189 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-491-003	22181 COUNTRY HILLS RD	WILDOMAR	CA	92595	22181 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-491-004	22173 COUNTRY HILLS RD	WILDOMAR	CA	92595	22173 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-491-005	22165 COUNTRY HILLS RD	WILDOMAR	CA	92595	22165 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-491-006	22157 COUNTRY HILLS RD	WILDOMAR	CA	92595	22157 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-491-007	22149 COUNTRY HILLS RD	WILDOMAR	CA	92595	22149 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-492-011	22228 BLONDON CT	WILDOMAR	CA	92595	22228 BLONDON CT	WILDOMAR	CA	92595
366-492-012	22236 BLONDON CT	WILDOMAR	CA	92595	22236 BLONDON CT	WILDOMAR	CA	92595
366-492-013	22244 BLONDON CT	WILDOMAR	CA	92595	22244 BLONDON CT	WILDOMAR	CA	92595
366-492-014	22252 BLONDON CT	WILDOMAR	CA	92595	22252 BLONDON CT	WILDOMAR	CA	92595
366-492-015	22257 BLONDON CT	WILDOMAR	CA	92595	22257 BLONDON CT	WILDOMAR	CA	92595
366-492-016	22249 BLONDON CT	WILDOMAR	CA	92595	22249 BLONDON CT	WILDOMAR	CA	92595
366-492-017	22241 BLONDON CT	WILDOMAR	CA	92595	22241 BLONDON CT	WILDOMAR	CA	92595
366-492-018	22225 BLONDON CT	WILDOMAR	CA	92595	22225 BLONDON CT	WILDOMAR	CA	92595
366-492-019	22209 BLONDON CT	WILDOMAR	CA	92595	22209 BLONDON CT	WILDOMAR	CA	92595
366-492-021	33452 CITRUS GROVE LN	WILDOMAR	CA	92595	33452 CITRUS GRV	WILDOMAR	CA	92595
366-492-022	33464 CITRUS GROVE LN	WILDOMAR	CA	92595	33464 CITRUS GRV	WILDOMAR	CA	92595
366-492-023	33476 CITRUS GROVE LN	WILDOMAR	CA	92595	33476 CITRUS GRV	WILDOMAR	CA	92595
366-492-024	33488 CITRUS GROVE LN	WILDOMAR	CA	92595	33488 CITRUS GRV	WILDOMAR	CA	92595
366-501-001	22141 COUNTRY HILLS RD	WILDOMAR	CA	92595	22141 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-501-002	22133 COUNTRY HILLS RD	WILDOMAR	CA	92595	22133 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-501-003	22125 COUNTRY HILLS RD	WILDOMAR	CA	92595	22125 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-501-004	22117 COUNTRY HILLS RD	WILDOMAR	CA	92595	22117 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-501-005	22109 COUNTRY HILLS RD	WILDOMAR	CA	92595	22109 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-501-006	22101 COUNTRY HILLS RD	WILDOMAR	CA	92595	22101 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-501-007	22093 COUNTRY HILLS RD	WILDOMAR	CA	92595	22093 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-501-008	22085 COUNTRY HILLS RD	WILDOMAR	CA	92595	22085 COUNTRY HILLS RD	WILDOMAR	CA	92595
366-501-016	22009 BLONDON CT	WILDOMAR	CA	92595	22009 BLONDON CT	WILDOMAR	CA	92595
366-501-017	22001 BLONDON CT	WILDOMAR	CA	92595	22001 BLONDON CT	WILDOMAR	CA	92595
366-502-001	22004 BLONDON CT	WILDOMAR	CA	92595	22004 BLONDON CT	WILDOMAR	CA	92595
366-502-002	22012 BLONDON CT	WILDOMAR	CA	92595	22012 BLONDON CT	WILDOMAR	CA	92595
370-040-034	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
370-040-036	1048 IRVINE AVE	NEWPORT BEACH	CA	92660	N/AVAIL	N/AVAIL	CA	N/AVAIL
370-040-037	1048 IRVINE AVE	NEWPORT BEACH	CA	92660	N/AVAIL	N/AVAIL	CA	N/AVAIL
370-040-038	1048 IRVINE AVE	NEWPORT BEACH	CA	92660	N/AVAIL	N/AVAIL	CA	N/AVAIL
370-040-039	9645 SHAMROCK AVE	FOUNTAIN VALLEY	CA	92708	N/AVAIL	LAKE ELSINORE	CA	92530
370-040-040	31283 DEL REY RD	TEMECULA	CA	92591	N/AVAIL	LAKE ELSINORE	CA	92530
370-040-041	31283 DEL REY RD	TEMECULA	CA	92591	N/AVAIL	LAKE ELSINORE	CA	92530
370-040-042	31283 DEL REY RD	TEMECULA	CA	92591	N/AVAIL	LAKE ELSINORE	CA	92530
370-050-019	5008 CHESEBRO RD 2ND	AGOURA HILLS	CA	91301	N/AVAIL	LAKE ELSINORE	CA	92530
370-050-020	5008 CHESEBRO RD 2ND	AGOURA HILLS	CA	91301	N/AVAIL	LAKE ELSINORE	CA	92530
370-050-026	5008 CHESEBRO RD 2ND	AGOURA HILLS	CA	91301	N/AVAIL	N/AVAIL	CA	N/AVAIL
370-050-027	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	N/AVAIL	CA	N/AVAIL
370-050-028	5008 CHESEBRO RD 2ND	AGOURA HILLS	CA	91301	N/AVAIL	N/AVAIL	CA	N/AVAIL
370-060-003	20101 SW BIRCH ST 130A	NEWPORT BEACH	CA	92660	31600 CORYDON RD	WILDOMAR	CA	92595
370-060-026	20101 SW BIRCH ST 130A	NEWPORT BEACH	CA	92660	N/AVAIL	N/AVAIL	CA	92595

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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
370-060-027	20101 SW BIRCH ST 130A	NEWPORT BEACH	CA	92660	33625 MISSION TRL	WILDOMAR	CA	92595
370-060-028	20101 SW BIRCH ST 130A	NEWPORT BEACH	CA	92660	N/AVAIL	N/AVAIL	CA	92595
370-060-032	PO BOX 410	LONG BEACH	CA	90801	N/AVAIL	WILDOMAR	CA	92595
370-060-035	13215 PENN ST 300	WHITTIER	CA	90602	N/AVAIL	WILDOMAR	CA	92595
370-060-040	13215 PENN ST 300	WHITTIER	CA	90602	N/AVAIL	WILDOMAR	CA	92595
370-060-045	755 W GRAND AVE	ESCONDIDO	CA	92025	33891 MISSION TRL	WILDOMAR	CA	92595
370-060-049	PO BOX 800	ROSEMEAD	CA	91770	33705 MISSION TRL	WILDOMAR	CA	92595
370-060-050	PO BOX 3000	LAKE ELSINORE	CA	92531	33751 MISSION TRL	LAKE ELSINORE	CA	92530
371-270-017	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-270-028	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-270-036	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-270-042	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-270-043	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-270-044	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-010	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-011	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-012	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-013	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-014	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-015	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-016	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-017	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-018	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-019	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-020	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-021	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-022	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-300-023	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-302-007	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-302-008	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-303-004	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-303-005	255 E RINCON ST 100	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
371-330-013	19520 JAMBOREE RD 300	IRVINE	CA	92612	N/AVAIL	N/AVAIL	CA	N/AVAIL
371-330-014	19520 JAMBOREE RD 300	IRVINE	CA	92612	N/AVAIL	N/AVAIL	CA	N/AVAIL
371-330-015	19520 JAMBOREE RD 300	IRVINE	CA	92612	N/AVAIL	N/AVAIL	CA	N/AVAIL
371-330-016	19520 JAMBOREE RD 300	IRVINE	CA	92612	N/AVAIL	N/AVAIL	CA	N/AVAIL
371-330-017	19520 JAMBOREE RD 300	IRVINE	CA	92612	N/AVAIL	N/AVAIL	CA	N/AVAIL
371-330-018	19520 JAMBOREE RD 300	IRVINE	CA	92612	N/AVAIL	N/AVAIL	CA	N/AVAIL
371-330-019	19520 JAMBOREE RD 300	IRVINE	CA	92612	N/AVAIL	N/AVAIL	CA	N/AVAIL
371-330-020	19520 JAMBOREE RD 300	IRVINE	CA	92612	N/AVAIL	N/AVAIL	CA	N/AVAIL
371-330-021	19520 JAMBOREE RD 300	IRVINE	CA	92612	N/AVAIL	N/AVAIL	CA	N/AVAIL
371-332-002	19520 JAMBOREE RD 300	IRVINE	CA	92612	N/AVAIL	N/AVAIL	CA	N/AVAIL
371-332-003	19520 JAMBOREE RD 300	IRVINE	CA	92612	N/AVAIL	N/AVAIL	CA	N/AVAIL
371-332-004	19520 JAMBOREE RD 300	IRVINE	CA	92612	N/AVAIL	N/AVAIL	CA	N/AVAIL
373-051-007	27605 SUMMERFIELD LN	SAN JUAN CAPISTRANO	CA	92675	N/AVAIL	LAKE ELSINORE	CA	92530
373-051-008	1816 S REDONDO BLVD	LOS ANGELES	CA	90019	N/AVAIL	LAKE ELSINORE	CA	92530
373-051-010	19412 CORALWOOD LN	HUNTINGTON BEACH	CA	92646	N/AVAIL	LAKE ELSINORE	CA	92530
373-051-012	525 E FRANKLIN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
373-051-015	1241 MYRTLE AVE	LONG BEACH	CA	90813	525 E FRANKLIN ST	LAKE ELSINORE	CA	92530
373-052-005	901 N SAN ANTONIO AVE A	POMONA	CA	91767	N/AVAIL	LAKE ELSINORE	CA	92530
373-052-006	33102 LIME ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
373-052-008	6861 N MELVIN DR	SAN BERNARDINO	CA	92407	N/AVAIL	LAKE ELSINORE	CA	92530
373-052-009	2239 W ALMOND AVE	ORANGE	CA	92868	N/AVAIL	LAKE ELSINORE	CA	92530
373-052-010	1623 KAINS AVE	BERKELEY	CA	94702	N/AVAIL	LAKE ELSINORE	CA	92530
373-054-020	2081 SHETLAND LN	ARCATA	CA	95521	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-001	16140 FILBERT ST	SYLMAR	CA	91342	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-002	40480 VIA CABALLOS	MURRIETA	CA	92562	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-003	7009 CHERTY DR	RANCHO PALOS VERDES	CA	90275	N/AVAIL	LAKE ELSINORE	CA	92530

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
373-061-004	5787 INDIAN POINTE DR	SIMI VALLEY	CA	93063	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-005	40480 VIA CABALLOS	MURRIETA	CA	92562	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-006	PO BOX 3068	SANTA ANA	CA	92703	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-007	PO BOX 3068	SANTA ANA	CA	92703	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-008	PO BOX 3068	SANTA ANA	CA	92703	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-009	PO BOX 1097	CARLSBAD	CA	92018	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-010	118 S EASTMAN AVE	LOS ANGELES	CA	90063	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-011	5787 INDIAN POINTE DR	SIMI VALLEY	CA	93063	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-012	PO BOX 800	ROSEMEAD	CA	91770	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-013	728 TOUSSAU DR	FULLERTON	CA	92831	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-014	PO BOX 1161	PALM SPRINGS	CA	92263	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-016	4118 DON FELIPE DR	LOS ANGELES	CA	90008	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-018	25860 RIDGEMOOR RD	SUN CITY	CA	92586	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-020	21301 KINGSBURY ST	CHATSWORTH	CA	91311	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-021	PO BOX 800	ROSEMEAD	CA	91770	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-022	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-023	25860 RIDGEMOOR RD	SUN CITY	CA	92586	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-024	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-025	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-026	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-027	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-028	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-029	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-030	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-031	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-061-032	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-001	7605 QUAILWOOD DR B	BAKERSFIELD	CA	93309	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-002	9171 ALONA	HUNTINGTON BEACH	CA	92646	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-003	21735 YBARRA RD	WOODLAND HILLS	CA	91364	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-004	544 N SEGOVIA ST	SAN GABRIEL	CA	91776	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-005	21735 YBARRA RD	WOODLAND HILLS	CA	91364	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-006	PO BOX 90960	SANTA BARBARA	CA	93190	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-007	2880 CRESTVIEW DR	NORCO	CA	92860	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-008	1509 W SUMNER AVE	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-016	6431 CRANDALL DR	HUNTINGTON BEACH	CA	92647	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-017	2619 JURADO AVE	HACIENDA HEIGHTS	CA	91745	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-018	22155 OLD ELSINORE RD	PERRIS	CA	92570	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-019	644 N POPLAR ST C	ORANGE	CA	92868	N/AVAIL	N/AVAIL	CA	N/AVAIL
373-062-020	PO BOX 191757	LOS ANGELES	CA	90019	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-021	1621 251ST ST	HARBOR CITY	CA	90710	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-022	26847 REDWOOD CIR	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-023	28526 WATSON RD	ROMOLAND	CA	92585	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-024	PO BOX 5111	SHERMAN OAKS	CA	91413	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-025	14024 BLUE RIBBON LN	CORONA	CA	92880	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-026	31805 ORTEGA HWY	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-027	1068 JACARANDA RD	COLTON	CA	92324	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-028	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-029	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-030	5121 CAMPO RD	WOODLAND HILLS	CA	91364	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-031	4 DUNEDIN DR	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-032	1943 STONESGATE ST	WESTLAKE VILLAGE	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-033	16375 HOLCOMB WAY	RIVERSIDE	CA	92504	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-034	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-062-035	194 BRENTWOOD AVE	SAN FRANCISCO	CA	94127	N/AVAIL	LAKE ELSINORE	CA	92530
373-064-002	PO BOX 1274	BONITA	CA	91908	N/AVAIL	LAKE ELSINORE	CA	92530
373-064-009	LAKE ELSINORE CITY HALL	ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
373-064-012	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-064-013	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530

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ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_S	SITE_ZIP
373-064-014	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	LAKE ELSINORE	CA	92530
373-071-002	LAKE ELSINORE CITY HALL	ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
373-071-018	1280 BISON AVE B9	NEWPORT BEACH	CA	92660	N/AVAIL	N/AVAIL	CA	N/AVAIL
373-072-004	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-005	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-006	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-007	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-008	20909 GOLD RUN DR	DIAMOND BAR	CA	91765	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-010	20909 GOLD RUN DR	DIAMOND BAR	CA	91765	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-011	20909 GOLD RUN DR	DIAMOND BAR	CA	91765	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-012	1980 OLD JEROME HWY	CLARKDALE	AZ	86324	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-013	1980 OLD JEROME HWY	CLARKDALE	AZ	86324	N/AVAIL	MENIFEE	CA	92584
373-072-014	1980 OLD JEROME HWY	CLARKDALE	AZ	86324	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-015	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-016	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-017	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-018	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-019	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-020	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-021	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-022	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-023	40132 BANYAN ST	MURRIETA	CA	92563	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-028	PO BOX 231	SAN BERNARDINO	CA	92402	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-029	PO BOX 231	SAN BERNARDINO	CA	92402	N/AVAIL	LAKE ELSINORE	CA	92530
373-072-030	955 ROUTE 9 NORTH	SOUTH AMBAY	NJ	08879	N/AVAIL	LAKE ELSINORE	CA	92530
373-073-003	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-073-009	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-073-010	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-073-011	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-073-012	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-073-014	1072 MAROON CREEK RD	ASPEN	CO	81611	N/AVAIL	LAKE ELSINORE	CA	92530
373-073-016	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-073-017	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-073-018	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-073-019	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-073-020	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-081-023	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-081-024	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-081-025	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-005	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-006	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-007	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-008	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-009	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-010	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-011	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-012	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-047	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-048	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-049	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-050	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-051	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-052	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-053	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-054	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-055	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-056	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
373-082-057	2808 BROAD ST	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
377-080-020	41551 DATE ST	MURRIETA	CA	92562	N/AVAIL	LAKE ELSINORE	CA	92530
377-080-021	24042 TIBURON	DANA POINT	CA	92629	18570 COLLIER AVE	LAKE ELSINORE	CA	92530
377-080-023	2909 RAINBOW VALLEY BLVD	FALLBROOK	CA	92028	N/AVAIL	LAKE ELSINORE	CA	92530
377-080-024	3253 YUCCA TER	FALLBROOK	CA	92028	N/AVAIL	LAKE ELSINORE	CA	92530
377-080-025	19025 GROVEWOOD DR	CORONA	CA	92881	N/AVAIL	LAKE ELSINORE	CA	92530
377-080-074	1550 N CASE ST	ORANGE	CA	92867	N/AVAIL	N/AVAIL	CA	92530
377-080-075	1550 N CASE ST	ORANGE	CA	92867	18630 COLLIER AVE	LAKE ELSINORE	CA	92530
377-080-079	PO BOX 959	LAKE ELSINORE	CA	92531	N/AVAIL	LAKE ELSINORE	CA	92530
377-080-080	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
377-110-003	18740 COLLIER AVE	LAKE ELSINORE	CA	92530	18740 COLLIER AVE	LAKE ELSINORE	CA	92530
377-110-032	19312 BARRETT LN	SANTA ANA	CA	92705	18700 COLLIER AVE	LAKE ELSINORE	CA	92530
377-110-035	653 W MINTHORN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
377-110-042	1550 N CASE ST	ORANGE	CA	92867	18650 COLLIER AVE	LAKE ELSINORE	CA	92530
377-151-042	PO BOX 1175	SAN JUAN CAPISTRANO	CA	92693	N/AVAIL	LAKE ELSINORE	CA	92530
377-151-043	PO BOX 1175	SAN JUAN CAPISTRANO	CA	92693	N/AVAIL	LAKE ELSINORE	CA	92530
377-151-045	4741 E HUNTER AVE C	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
377-151-055	3133 7TH ST	RIVERSIDE	CA	92507	N/AVAIL	LAKE ELSINORE	CA	92530
377-151-061	18501 COLLIER AVE A100	LAKE ELSINORE	CA	92530	18501 COLLIER AVE A100	LAKE ELSINORE	CA	92530
377-151-063	700 E KATELLA AVE	ANAHEIM	CA	92805	N/AVAIL	LAKE ELSINORE	CA	92530
377-151-064	PO BOX 86	LAKE ELSINORE	CA	92531	600 3RD ST	LAKE ELSINORE	CA	92530
377-151-065	PO BOX 86	LAKE ELSINORE	CA	92531	600 3RD ST	LAKE ELSINORE	CA	92530
377-151-091	18533 COLLIER AVE A	LAKE ELSINORE	CA	92530	N/AVAIL	N/AVAIL	CA	N/AVAIL
377-151-092	18537 COLLIER AVE	LAKE ELSINORE	CA	92530	N/AVAIL	N/AVAIL	CA	N/AVAIL
377-151-093	23905 CLINTON KEITH RD	WILDOMAR	CA	92595	18541 COLLIER AVE	LAKE ELSINORE	CA	92530
377-151-094	6545 CABALLERO BLVD	BUENA PARK	CA	90620	N/AVAIL	N/AVAIL	CA	N/AVAIL
377-151-095	1570 CONSUMER CIR	CORONA	CA	92880	18539 COLLIER AVE	LAKE ELSINORE	CA	92530
377-151-096	23905 CLINTON KEITH RD	WILDOMAR	CA	92595	18539 COLLIER AVE	LAKE ELSINORE	CA	92530
377-151-098	42690 RIO NEDO B	TEMECULA	CA	92590	18540 MINTHORN ST	LAKE ELSINORE	CA	92530
377-151-099	18550 MINTHORN ST B	LAKE ELSINORE	CA	92530	18550 MINTHORN ST	LAKE ELSINORE	CA	92530
377-170-003	646 FORD ST	CORONA	CA	92879	N/AVAIL	LAKE ELSINORE	CA	92530
377-170-004	653 W MINTHORN ST	LAKE ELSINORE	CA	92530	653 W MINTHORN ST	LAKE ELSINORE	CA	92530
377-170-005	653 W MINTHORN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
377-170-006	653 W MINTHORN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
377-170-007	653 W MINTHORN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
377-170-012	600 CHANEY ST	LAKE ELSINORE	CA	92530	600 CHANEY ST	LAKE ELSINORE	CA	92530
377-170-016	3403 10TH ST 610	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
377-200-017	18740 COLLIER AVE	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
377-200-038	23987 CONTINENTAL DR	CANYON LAKE	CA	92587	N/AVAIL	LAKE ELSINORE	CA	92530
377-200-040	3403 10TH ST 610	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
377-273-003	13381 HEATHER LEE ST	CORONA	CA	92880	N/AVAIL	LAKE ELSINORE	CA	92530
377-273-012	7489 SULTANA AVE	FONTANA	CA	92336	N/AVAIL	LAKE ELSINORE	CA	92530
377-273-013	15309 SPYGLASS DR	LAKE ELSINORE	CA	92530	503 E HILL ST	LAKE ELSINORE	CA	92530
377-273-015	8155 WATERMAN RD 1317	SACRAMENTO	CA	95829	N/AVAIL	RIVERSIDE	CA	92504
377-273-016	24040 DECORAH RD	DIAMOND BAR	CA	91765	N/AVAIL	LAKE ELSINORE	CA	92530
377-273-017	507 E HILL ST	LAKE ELSINORE	CA	92530	507 E HILL ST	LAKE ELSINORE	CA	92530
377-274-023	27971 JEFFERSON AVE	SUN CITY	CA	92585	N/AVAIL	LAKE ELSINORE	CA	92530
377-274-024	501 ADOBE ST	LAKE ELSINORE	CA	92530	501 ADOBE ST	LAKE ELSINORE	CA	92530
377-274-025	503 ADOBE ST	LAKE ELSINORE	CA	92530	503 ADOBE ST	LAKE ELSINORE	CA	92530
377-274-026	29103 HAWKESBURY CT	ROMOLAND	CA	92585	505 ADOBE ST	LAKE ELSINORE	CA	92530
377-274-027	504 E HILL ST	LAKE ELSINORE	CA	92530	504 E HILL ST	LAKE ELSINORE	CA	92530
377-274-028	16517 MCPHERSON AVE	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
377-274-029	505 E HILL ST	LAKE ELSINORE	CA	92530	506 E HILL ST	LAKE ELSINORE	CA	92530
377-301-002	404 E POTTERY ST	LAKE ELSINORE	CA	92530	404 E POTTERY ST	LAKE ELSINORE	CA	92530
377-301-003	3581 NASHLAND AVE D	LAKE ELSINORE	CA	92530	406 E POTTERY ST	LAKE ELSINORE	CA	92530
377-301-004	408 E POTTERY ST	LAKE ELSINORE	CA	92530	408 E POTTERY ST	LAKE ELSINORE	CA	92530
377-301-005	6048 BELLFLOWER BLVD	LAKEWOOD	CA	90713	410 E POTTERY ST	LAKE ELSINORE	CA	92530
377-301-006	321 E HILL ST	LAKE ELSINORE	CA	92530	321 E HILL ST	LAKE ELSINORE	CA	92530
377-301-007	PO BOX 811	LAKE ELSINORE	CA	92531	319 E HILL ST	LAKE ELSINORE	CA	92530

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
377-301-008	317 E HILL ST	LAKE ELSINORE	CA	92530	317 E HILL ST	LAKE ELSINORE	CA	92530
377-301-017	318 GRANITE ST	LAKE ELSINORE	CA	92530	318 GRANITE ST	LAKE ELSINORE	CA	92530
377-301-018	320 GRANITE ST	LAKE ELSINORE	CA	92530	320 GRANITE ST	LAKE ELSINORE	CA	92530
377-302-001	888 EAST WALNUT ST	PASADENA	CA	91101	502 W POTTERY ST	LAKE ELSINORE	CA	92530
377-302-002	144 HALF DOME WAY	PERRIS	CA	92570	318 E HILL ST	LAKE ELSINORE	CA	92530
377-302-003	316 E HILL ST	LAKE ELSINORE	CA	92530	316 E HILL ST	LAKE ELSINORE	CA	92530
377-302-007	1905 SHARON PL	SAN MARINO	CA	91108	N/AVAIL	LAKE ELSINORE	CA	92530
377-303-001	324 ADOBE ST	LAKE ELSINORE	CA	92530	324 ADOBE ST	LAKE ELSINORE	CA	92530
377-311-002	418 GRANITE ST	LAKE ELSINORE	CA	92530	418 GRANITE ST	LAKE ELSINORE	CA	92530
377-311-003	416 GRANITE ST	LAKE ELSINORE	CA	92530	416 GRANITE ST	LAKE ELSINORE	CA	92530
377-311-004	31115 KAHWEA RD	TEMECULA	CA	92591	N/AVAIL	LAKE ELSINORE	CA	92530
377-311-005	802 BELMONT AVE	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
377-311-008	30929 CALLE PINA COLADA	TEMECULA	CA	92591	411 W POTTERY ST	LAKE ELSINORE	CA	92530
377-311-009	29904 MAYFLOWER DR	CANYON LAKE	CA	92587	403 E HILL ST	LAKE ELSINORE	CA	92530
377-311-010	405 E HILL ST	LAKE ELSINORE	CA	92530	405 E HILL ST	LAKE ELSINORE	CA	92530
377-311-011	405 E HILL ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
377-311-012	2011 HICKORY ST	SANTA ANA	CA	92707	N/AVAIL	LAKE ELSINORE	CA	92530
377-311-013	2011 HICKORY ST	SANTA ANA	CA	92707	411 E HILL ST	LAKE ELSINORE	CA	92530
377-311-014	415 E HILL ST	LAKE ELSINORE	CA	92530	413 E HILL ST	LAKE ELSINORE	CA	92530
377-311-015	415 E HILL ST	LAKE ELSINORE	CA	92530	415 E HILL ST	LAKE ELSINORE	CA	92530
377-311-016	415 E HILL ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
377-311-017	419 E HILL ST	LAKE ELSINORE	CA	92530	419 E HILL ST	LAKE ELSINORE	CA	92530
377-311-018	421 E HILL ST	LAKE ELSINORE	CA	92530	421 E HILL ST	LAKE ELSINORE	CA	92530
377-311-019	10242 OLD LAMPLIGHTER LN	VILLA PARK	CA	92861	N/AVAIL	LAKE ELSINORE	CA	92530
377-311-021	404 GRANITE ST	LAKE ELSINORE	CA	92530	404 GRANITE ST	LAKE ELSINORE	CA	92530
377-311-022	6 BELLA CASERTA	LAKE ELSINORE	CA	92532	406 GRANITE ST	LAKE ELSINORE	CA	92530
377-311-023	408 GRANITE ST	LAKE ELSINORE	CA	92530	408 GRANITE ST	LAKE ELSINORE	CA	92530
377-311-024	410 GRANITE ST	LAKE ELSINORE	CA	92530	410 GRANITE ST	LAKE ELSINORE	CA	92530
377-311-025	420 GRANITE ST	LAKE ELSINORE	CA	92530	420 GRANITE ST	LAKE ELSINORE	CA	92530
377-311-027	402 GRANITE ST	LAKE ELSINORE	CA	92530	402 GRANITE ST	LAKE ELSINORE	CA	92530
377-311-028	428 GRANITE ST	LAKE ELSINORE	CA	92530	428 GRANITE ST	LAKE ELSINORE	CA	92530
377-311-029	8200 JONES BRANCH DR. #204	MCLEAN	VA	22102	422 GRANITE ST	LAKE ELSINORE	CA	92530
377-312-001	PO BOX 1225	LAKE ELSINORE	CA	92531	424 E HILL ST	LAKE ELSINORE	CA	92530
377-312-002	2123 3RD ST	LA VERNE	CA	91750	N/AVAIL	N/AVAIL	CA	92530
377-312-003	3117 REDWOOD DR	RIVERSIDE	CA	92501	420 E HILL ST	LAKE ELSINORE	CA	92530
377-312-004	24771 GREENTREE LN	LAKE FOREST	CA	92630	N/AVAIL	LAKE ELSINORE	CA	92530
377-312-005	416 E HILL ST	LAKE ELSINORE	CA	92530	416 E HILL ST	LAKE ELSINORE	CA	92530
377-312-006	514 GRIFFITH PL	SANTA ANA	CA	92707	N/AVAIL	N/AVAIL	CA	N/AVAIL
377-312-007	23458 MOCCASIN CIR	CANYON LAKE	CA	92587	412 E HILL ST	LAKE ELSINORE	CA	92530
377-312-009	405 ADOBE ST	LAKE ELSINORE	CA	92530	405 ADOBE ST	LAKE ELSINORE	CA	92530
377-312-013	28437 EL TORO RD	LAKE ELSINORE	CA	92532	411 ADOBE ST	LAKE ELSINORE	CA	92530
377-312-014	409 ADOBE ST	LAKE ELSINORE	CA	92530	409 ADOBE ST	LAKE ELSINORE	CA	92530
377-312-015	28437 EL TORO RD	LAKE ELSINORE	CA	92532	407 ADOBE ST	LAKE ELSINORE	CA	92530
377-312-016	401 ADOBE ST	LAKE ELSINORE	CA	92530	401 ADOBE ST	LAKE ELSINORE	CA	92530
377-312-017	403 ADOBE ST	LAKE ELSINORE	CA	92530	403 ADOBE ST	LAKE ELSINORE	CA	92530
377-312-019	413 ADOBE ST	LAKE ELSINORE	CA	92530	413 ADOBE ST	LAKE ELSINORE	CA	92530
377-312-020	7106 HAYDEN AVE	CORONA	CA	92881	N/AVAIL	LAKE ELSINORE	CA	92530
377-312-021	417 ADOBE ST	LAKE ELSINORE	CA	92530	417 ADOBE ST	LAKE ELSINORE	CA	92530
377-312-022	419 ADOBE ST	LAKE ELSINORE	CA	92530	419 ADOBE ST	LAKE ELSINORE	CA	92530
377-312-023	PO BOX 759	SOUTH PASADENA	CA	91031	N/AVAIL	LAKE ELSINORE	CA	92530
377-312-024	226 S 2ND AVE	LA PUENTE	CA	91746	N/AVAIL	LAKE ELSINORE	CA	92530
377-312-025	408 E HILL ST	LAKE ELSINORE	CA	92530	408 E HILL ST	LAKE ELSINORE	CA	92530
377-312-026	402 E HILL ST	LAKE ELSINORE	CA	92530	402 E HILL ST	LAKE ELSINORE	CA	92530
377-312-027	404 E HILL ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
377-312-028	404 E HILL ST	LAKE ELSINORE	CA	92530	404 E HILL ST	LAKE ELSINORE	CA	92530
377-313-006	414 ADOBE ST	LAKE ELSINORE	CA	92530	414 ADOBE ST	LAKE ELSINORE	CA	92530
377-313-007	412 ADOBE ST	LAKE ELSINORE	CA	92530	412 ADOBE ST	LAKE ELSINORE	CA	92530
377-313-008	410 ADOBE ST	LAKE ELSINORE	CA	92530	410 ADOBE ST	LAKE ELSINORE	CA	92530

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ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
377-313-009	408 ADOBE ST	LAKE ELSINORE	CA	92530	408 ADOBE ST	LAKE ELSINORE	CA	92530
377-313-010	576 LE HARVE AVE	LAKE ELSINORE	CA	92530	406 ADOBE ST	LAKE ELSINORE	CA	92530
377-313-011	404 ADOBE ST	LAKE ELSINORE	CA	92530	404 ADOBE ST	LAKE ELSINORE	CA	92530
377-313-012	402 ADOBE ST	LAKE ELSINORE	CA	92530	402 ADOBE ST	LAKE ELSINORE	CA	92530
377-313-013	PO BOX 3068	SANTA ANA	CA	92703	N/AVAIL	LAKE ELSINORE	CA	92530
377-320-003	606 SEA BREEZE DR	SAN CLEMENTE	CA	92672	420 RUPARD ST	LAKE ELSINORE	CA	92530
377-320-004	PO BOX 3068	SANTA ANA	CA	92703	N/AVAIL	LAKE ELSINORE	CA	92530
377-330-001	11730 LOUIS AVE 3	WHITTIER	CA	90605	N/AVAIL	LAKE ELSINORE	CA	92530
377-330-007	40480 VIA CABALLOS	MURRIETA	CA	92562	901 E FRANKLIN	LAKE ELSINORE	CA	92532
377-330-009	PO BOX 800	ROSEMEAD	CA	91770	N/AVAIL	LAKE ELSINORE	CA	92530
377-330-010	PO BOX 400	LONG BEACH	CA	90801	N/AVAIL	LAKE ELSINORE	CA	92530
377-330-011	955 ROUTE 9 NORTH	SOUTH AMBAY	NJ	08879	N/AVAIL	N/AVAIL	CA	N/AVAIL
377-410-048	1862 PARK SKYLINE RD	SANTA ANA	CA	92705	18421 COLLIER AVE	LAKE ELSINORE	CA	92530
377-410-049	24 SHADY HILL LN	FALLBROOK	CA	92028	596 CRANE ST	LAKE ELSINORE	CA	92530
384-010-001	14606 WOODLAND DR 8	FONTANA	CA	92337	N/AVAIL	MENIFEE	CA	92584
384-010-002	26047 SCOTT RD	MENIFEE	CA	92584	26047 SCOTT RD	MENIFEE	CA	92584
361-030-014	24144 BEVERLY ST	WILDOMAR	CA	92595	N/AVAIL	WILDOMAR	CA	92595
362-060-005	25530 BUNDY CANYON RD	MENIFEE	CA	92584	25530 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-006	25530 BUNDY CANYON RD	SUN CITY	CA	92584	25540 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-007	25530 BUNDY CANYON RD	MENIFEE	CA	92584	25550 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-008	25560 BUNDY CANYON RD	MENIFEE	CA	92584	25560 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-009	1255 E HIGHLAND AVE 107	SAN BERNARDINO	CA	92404	N/AVAIL	MURRIETA	CA	92562
366-023-001	21165 VINE ST	WILDOMAR	CA	92595	21165 VINE ST	WILDOMAR	CA	92595
366-023-002	13232 EARL AVE	BALDWIN PARK	CA	91706	33170 MISSION TRL	WILDOMAR	CA	92595
366-023-003	31341 CALLE VILLA CLARA	SAN JUAN CAPISTRANO	CA	92675	33180 MISSION TRL	WILDOMAR	CA	92595
366-023-004	33171 WILDOMAR RD	WILDOMAR	CA	92595	33171 WILDOMAR RD	WILDOMAR	CA	92595
366-230-022	22440 LOST RD	WILDOMAR	CA	92595	22440 LOST RD	WILDOMAR	CA	92595
366-230-036	22363 LEMON ST	WILDOMAR	CA	92595	22355 LEMON ST	WILDOMAR	CA	92595
366-230-039	22363 LEMON ST	WILDOMAR	CA	92595	22363 LEMON ST	WILDOMAR	CA	92595
377-080-025	19025 GROVEWOOD DR	CORONA	CA	92881	N/AVAIL	LAKE ELSINORE	CA	92530
377-080-079	PO BOX 959	LAKE ELSINORE	CA	92531	N/AVAIL	LAKE ELSINORE	CA	92530
377-080-080	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
377-120-002	2384 HOXIE DR	TUSTIN	CA	92782	N/AVAIL	LAKE ELSINORE	CA	92530
377-120-005	31854 CORTE POSITAS	TEMECULA	CA	92592	18181 COLLIER AVE	LAKE ELSINORE	CA	92530
377-120-015	31115 LANCASHIRE DR	LAKE ELSINORE	CA	92530	29400 ENTERPRISE WAY	LAKE ELSINORE	CA	92530
377-120-038	2384 HOXIE DR	TUSTIN	CA	92782	N/AVAIL	LAKE ELSINORE	CA	92530
377-120-040	18683 BERNARDO TRAILS DR	SAN DIEGO	CA	92128	N/AVAIL	LAKE ELSINORE	CA	92530
377-120-041	18683 BERNARDO TRAILS DR	SAN DIEGO	CA	92128	N/AVAIL	LAKE ELSINORE	CA	92530
377-120-044	18683 BERNARDO TRAILS DR	SAN DIEGO	CA	92128	N/AVAIL	LAKE ELSINORE	CA	92530
377-120-045	18683 BERNARDO TRAILS DR	SAN DIEGO	CA	92128	N/AVAIL	LAKE ELSINORE	CA	92530
377-120-056	PO BOX 9456	MINNEAPOLIS	MN	55440	18287 COLLIER AVE	LAKE ELSINORE	CA	92530
377-120-059	512 CHANEY ST	LAKE ELSINORE	CA	92530	N/AVAIL	N/AVAIL	CA	N/AVAIL
377-130-011	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
377-130-034	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
377-130-037	2384 HOXIE DR	TUSTIN	CA	92782	N/AVAIL	LAKE ELSINORE	CA	92530
377-130-039	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
377-130-040	1891 1ST ST	NORCO	CA	92860	N/AVAIL	LAKE ELSINORE	CA	92530
377-130-041	PO BOX 3000	LAKE ELSINORE	CA	92531	N/AVAIL	LAKE ELSINORE	CA	92530
377-130-042	10890 THORNMINT RD	SAN DIEGO	CA	92127	18309 PASADENA ST	LAKE ELSINORE	CA	92530
377-130-043	10890 THORNMINT RD	SAN DIEGO	CA	92127	18321 PASADENA ST	LAKE ELSINORE	CA	92530
377-130-044	24042 TIBURON	DANA POINT	CA	92629	18315 PASADENA ST	LAKE ELSINORE	CA	92530
377-130-045	22453 ARBORDALE CT	MURRIETA	CA	92562	18327 PASADENA ST	LAKE ELSINORE	CA	92530
377-130-046	23606 SCHOONER DR	CANYON LAKE	CA	92587	18333 PASADENA ST	LAKE ELSINORE	CA	92530
377-130-047	18339 PASADENA ST	LAKE ELSINORE	CA	92530	18339 PASADENA ST	LAKE ELSINORE	CA	92530
377-130-048	3030 STEEPLECHASE LN	DIAMOND BAR	CA	91765	18357 PASADENA ST	LAKE ELSINORE	CA	92530
377-130-049	18345 PASADENA ST	LAKE ELSINORE	CA	92530	18345 PASADENA ST	LAKE ELSINORE	CA	92530
377-130-050	16627 LAKE KNOLL PKWY	RIVERSIDE	CA	92503	18363 PASADENA ST	LAKE ELSINORE	CA	92530
377-130-051	28351 PASADENA ST	LAKE ELSINORE	CA	92530	18351 PASADENA ST	LAKE ELSINORE	CA	92530

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ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
377-130-052	512 CHANEY ST	LAKE ELSINORE	CA	92530	511 CENTRAL AVE	LAKE ELSINORE	CA	92530
377-130-053	501 CENTRAL AVE	LAKE ELSINORE	CA	92530	501 CENTRAL AVE	LAKE ELSINORE	CA	92530
377-130-054	13215 PENN ST 300	WHITTIER	CA	90602	18215 PASADENA ST	LAKE ELSINORE	CA	92530
377-151-023	30104 CLEAR WATER DR	SUN CITY	CA	92587	534 3RD ST	LAKE ELSINORE	CA	92530
377-151-024	590 CRANE ST	LAKE ELSINORE	CA	92530	532 3RD ST	LAKE ELSINORE	CA	92530
377-151-025	590 CRANE ST	LAKE ELSINORE	CA	92530	530 3RD ST	LAKE ELSINORE	CA	92530
377-151-026	23885 LAWSON RD	CORONA	CA	92883	540 3RD ST	LAKE ELSINORE	CA	92530
377-151-027	542 3RD ST	LAKE ELSINORE	CA	92530	542 3RD ST	LAKE ELSINORE	CA	92530
377-151-033	39442 VIA MONSERATE	MURRIETA	CA	92563	554 3RD ST	LAKE ELSINORE	CA	92530
377-151-034	PO BOX 31	ROGERSVILLE	MO	65742	552 3RD ST	LAKE ELSINORE	CA	92530
377-151-035	30730 PIER POINTE CIR	MENIFEE	CA	92584	550 3RD ST	LAKE ELSINORE	CA	92530
377-151-036	560 3RD ST	LAKE ELSINORE	CA	92530	560 3RD ST	LAKE ELSINORE	CA	92530
377-151-039	3240 MISSION INN AVE	RIVERSIDE	CA	92507	N/AVAIL	LAKE ELSINORE	CA	92530
377-151-040	12188 CENTRAL AVE 595	CHINO	CA	91710	580 3RD ST	LAKE ELSINORE	CA	92530
377-151-045	4741 E HUNTER AVE C	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
377-151-055	3133 7TH ST	RIVERSIDE	CA	92507	N/AVAIL	LAKE ELSINORE	CA	92530
377-151-056	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
377-151-064	PO BOX 86	LAKE ELSINORE	CA	92531	600 3RD ST	LAKE ELSINORE	CA	92530
377-151-065	PO BOX 86	LAKE ELSINORE	CA	92531	600 3RD ST	LAKE ELSINORE	CA	92530
377-151-066	653 W MINTHORN ST	LAKE ELSINORE	CA	92530	530 CENTRAL AVE	LAKE ELSINORE	CA	92530
377-151-067	530 CENTRAL AVE	LAKE ELSINORE	CA	92530	550 CENTRAL AVE	LAKE ELSINORE	CA	92530
377-151-069	590 CRANE ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
377-151-076	512 CHANEY ST	LAKE ELSINORE	CA	92530	18500 PASADENA ST	LAKE ELSINORE	CA	92530
377-151-077	512 CHANEY ST	LAKE ELSINORE	CA	92530	510 CRANE ST	LAKE ELSINORE	CA	92530
377-151-078	512 CHANEY ST	LAKE ELSINORE	CA	92530	520 CRANE ST	LAKE ELSINORE	CA	92530
377-151-082	23375 CAMELLIA LN	MURRIETA	CA	92562	18532 PASADENA ST	LAKE ELSINORE	CA	92530
377-151-083	234 E 17TH ST 103	COSTA MESA	CA	92627	18520 PASADENA ST	LAKE ELSINORE	CA	92530
377-151-084	1570 CONSUMER CIR	CORONA	CA	92880	18510 PASADENA ST	LAKE ELSINORE	CA	92530
377-151-085	10890 THORNMINT RD	SAN DIEGO	CA	92127	18540 PASADENA ST	LAKE ELSINORE	CA	92530
377-151-086	18550 PASADENA ST	LAKE ELSINORE	CA	92530	18550 PASADENA ST	LAKE ELSINORE	CA	92530
377-151-087	35402 FOXWOOD CT	LAKE ELSINORE	CA	92532	18552 PASADENA ST	LAKE ELSINORE	CA	92530
377-151-088	22952 CAMINITO RIO	LAGUNA HILLS	CA	92653	18560 PASADENA ST	LAKE ELSINORE	CA	92530
377-151-089	10890 THORNMINT RD	SAN DIEGO	CA	92127	N/AVAIL	N/AVAIL	CA	N/AVAIL
377-151-090	18570 PASADENA ST	LAKE ELSINORE	CA	92530	N/AVAIL	N/AVAIL	CA	N/AVAIL
377-410-048	1862 PARK SKYLINE RD	SANTA ANA	CA	92705	18421 COLLIER AVE	LAKE ELSINORE	CA	92530
377-410-049	24 SHADY HILL LN	FALLBROOK	CA	92028	596 CRANE ST	LAKE ELSINORE	CA	92530
377-410-050	601 CRANE ST B	LAKE ELSINORE	CA	92530	600 CRANE ST	LAKE ELSINORE	CA	92530
377-410-051	1862 PARK SKYLINE RD	SANTA ANA	CA	92705	594 CRANE ST	LAKE ELSINORE	CA	92530
377-420-001	512 CHANEY ST	LAKE ELSINORE	CA	92530	18415 PASADENA ST	LAKE ELSINORE	CA	92530
377-420-002	512 CHANEY ST	LAKE ELSINORE	CA	92530	504 CENTRAL AVE	LAKE ELSINORE	CA	92530
377-420-003	512 CHANEY ST	LAKE ELSINORE	CA	92530	18425 PASADENA ST	LAKE ELSINORE	CA	92530
377-420-004	512 CHANEY ST	LAKE ELSINORE	CA	92530	508 CENTRAL AVE	LAKE ELSINORE	CA	92530
377-420-005	512 CHANEY ST	LAKE ELSINORE	CA	92530	506 CENTRAL AVE	LAKE ELSINORE	CA	92530
377-420-006	2585 BUSINESS PARK DR	VISTA	CA	92081	N/AVAIL	LAKE ELSINORE	CA	92530
377-420-007	2585 BUSINESS PARK DR	VISTA	CA	92081	N/AVAIL	LAKE ELSINORE	CA	92530
377-420-008	2585 BUSINESS PARK DR	VISTA	CA	92081	N/AVAIL	LAKE ELSINORE	CA	92530
377-420-009	2585 BUSINESS PARK DR	VISTA	CA	92081	N/AVAIL	LAKE ELSINORE	CA	92530
377-420-010	2585 BUSINESS PARK DR	VISTA	CA	92081	N/AVAIL	LAKE ELSINORE	CA	92530
377-420-011	2585 BUSINESS PARK DR	VISTA	CA	92081	N/AVAIL	LAKE ELSINORE	CA	92530
377-420-012	2585 BUSINESS PARK DR	VISTA	CA	92081	N/AVAIL	LAKE ELSINORE	CA	92530
378-020-012	4400 W FLORIDA AVE 206	HEMET	CA	92545	N/AVAIL	LAKE ELSINORE	CA	92530
378-020-016	32823 TEMECULA PKWY	TEMECULA	CA	92592	N/AVAIL	LAKE ELSINORE	CA	92530
378-020-024	PO BOX 426	LAKE ELSINORE	CA	92531	N/AVAIL	LAKE ELSINORE	CA	92530
378-020-028	32823 TEMECULA PKWY	TEMECULA	CA	92592	N/AVAIL	LAKE ELSINORE	CA	92530
378-020-029	853 E VALLEY BLVD 200	SAN GABRIEL	CA	91776	17111 BAKER ST	LAKE ELSINORE	CA	92530
378-020-030	11720 LEIBACHER AVE	NORWALK	CA	90650	N/AVAIL	LAKE ELSINORE	CA	92530
378-020-031	PO BOX 426	LAKE ELSINORE	CA	92531	N/AVAIL	LAKE ELSINORE	CA	92530
378-020-036	853 E VALLEY BLVD 200	SAN GABRIEL	CA	91776	N/AVAIL	LAKE ELSINORE	CA	92530

SOURCE: LAND VISION

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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
378-020-037	31115 LANCASHIRE DR	LAKE ELSINORE	CA	92530	17377 BAKER ST	LAKE ELSINORE	CA	92530
378-020-038	960 BEVERLY RD	CORONA	CA	92879	17401 BAKER ST	LAKE ELSINORE	CA	92530
378-020-039	1220 AUGUSTA DR 500	HOUSTON	TX	77057	17425 BAKER ST	LAKE ELSINORE	CA	92530
378-020-040	35701 AVENIDA LA CRESTA	MURRIETA	CA	92562	17428 BAKER ST	LAKE ELSINORE	CA	92530
378-020-041	853 E VALLEY BLVD 200	SAN GABRIEL	CA	91776	N/AVAIL	LAKE ELSINORE	CA	92530
378-020-042	3240 S STANDARD AVE	SANTA ANA	CA	92705	N/AVAIL	LAKE ELSINORE	CA	92530
378-020-043	23875 PETREL CT	LAGUNA NIGUEL	CA	92677	17500 BAKER ST	LAKE ELSINORE	CA	92530
378-020-048	31115 LANCASHIRE DR	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
378-020-059	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	CA	N/AVAIL
378-030-016	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	LAKE ELSINORE	CA	92530
378-030-018	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	N/AVAIL	CA	N/AVAIL
378-030-020	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-030-021	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	N/AVAIL	CA	N/AVAIL
378-030-023	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-030-024	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	N/AVAIL	CA	N/AVAIL
378-030-026	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-001	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-003	231 E ALESSANDRO BLVD A	RIVERSIDE	CA	92508	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-004	39481 NEWPORT RD	HEMET	CA	92543	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-006	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-008	788 NW 15TH ST	MERIDIAN	ID	83642	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-009	9264 WALNUT ST	BELLFLOWER	CA	90706	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-010	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-011	PO BOX 930	QUINCY	WA	98848	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-012	29372 TURNBULL AVE	LAKE ELSINORE	CA	92530	29372 TURNBULL AVE	LAKE ELSINORE	CA	92530
378-114-013	PO BOX 3000	LAKE ELSINORE	CA	92531	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-015	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-016	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-017	1833 S CORDOVA ST	ALHAMBRA	CA	91801	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-019	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-022	1761 CLEAR CREEK DR	FULLERTON	CA	92833	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-023	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-025	8464 W KIMBERLY WAY	PEORIA	AZ	85382	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-026	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-027	647 COLE RD SW	LILBURN	GA	30047	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-028	647 COLE RD SW	LILBURN	GA	30047	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-029	647 COLE RD SW	LILBURN	GA	30047	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-030	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-031	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-032	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-033	1060 E WASHINGTON ST	COLTON	CA	92324	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-034	7134 OHIO RIVER DR	MIRA LOMA	CA	91752	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-035	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-036	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-037	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	N/AVAIL	CA	N/AVAIL
378-114-038	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-039	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-040	17458 BLUE WATER CT	RIVERSIDE	CA	92503	N/AVAIL	N/AVAIL	CA	N/AVAIL
378-114-041	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-042	17575 BAKER ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-043	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-045	17525 BAKER ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-046	17575 BAKER ST	LAKE ELSINORE	CA	92530	17575 BAKER ST	LAKE ELSINORE	CA	92530
378-114-047	17575 BAKER ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-048	45886 CORTE ORIZABA	TEMECULA	CA	92592	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-049	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-050	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-051	45886 CORTE ORIZABA	TEMECULA	CA	92592	N/AVAIL	LAKE ELSINORE	CA	92530

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ALBERHILL SYSTEM PROJECT
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
378-114-052	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-053	17525 BAKER ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-055	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-058	2460 CHESAW RD	OROVILLE	WA	98844	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-059	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-062	3701 FILLMORE ST 13	RIVERSIDE	CA	92505	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-063	3701 FILLMORE ST 13	RIVERSIDE	CA	92505	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-064	3701 FILLMORE ST 13	RIVERSIDE	CA	92505	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-065	3701 FILLMORE ST 13	RIVERSIDE	CA	92505	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-068	PO BOX 1271	LAKE ELSINORE	CA	92531	29370 TURNBULL AVE	LAKE ELSINORE	CA	92530
378-114-075	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-076	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-077	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-078	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-079	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-080	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-081	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-082	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-083	16322 WHITTIER LN	HUNTINGTON BEACH	CA	92647	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-084	6984 E OVERLOOK TER	ANAHEIM	CA	92807	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-085	1274 E ARIZONA PL	ANAHEIM	CA	92805	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-086	1274 E ARIZONA PL	ANAHEIM	CA	92805	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-087	PO BOX 1271	LAKE ELSINORE	CA	92531	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-088	PO BOX 1271	LAKE ELSINORE	CA	92531	N/AVAIL	LAKE ELSINORE	CA	92530
378-114-089	29372 TURNBULL AVE	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
378-115-027	601 PARKVIEW DR	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
378-115-048	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-115-049	455 SAINT LOUIS AVE	LONG BEACH	CA	90814	N/AVAIL	LAKE ELSINORE	CA	92530
378-115-053	18775 SW 351ST ST 389	HOMESTEAD	FL	33034	N/AVAIL	LAKE ELSINORE	CA	92530
378-115-055	710 25 BOVEE LN	JANESVILLE	CA	96114	N/AVAIL	LAKE ELSINORE	CA	92530
378-115-059	3232 NEWMARK DR	MIAMISBURG	OH	45342	N/AVAIL	N/AVAIL	CA	N/AVAIL
378-115-060	841 VICTORIA AVE	VENICE	CA	90291	N/AVAIL	N/AVAIL	CA	N/AVAIL
378-115-062	2266 ALBATROSS ST B	SAN DIEGO	CA	92101	N/AVAIL	LAKE ELSINORE	CA	92530
378-115-063	18775 SW 351ST ST 389	HOMESTEAD	FL	33034	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-004	6518 VIA DEL PRADO	CHINO HILLS	CA	91709	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-005	PO BOX 566	RIVERSIDE	CA	92502	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-006	1855 MACKINNON AVE	CARDIFF BY THE SEA	CA	92007	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-007	1855 MACKINNON AVE	CARDIFF BY THE SEA	CA	92007	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-008	4516 KINGSLEY ST	MONTCLAIR	CA	91763	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-009	8560 VINEYARD AVE 409	RANCHO CUCAMONGA	CA	91730	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-010	8560 VINEYARD AVE 409	RANCHO CUCAMONGA	CA	91730	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-011	8560 VINEYARD AVE 409	RANCHO CUCAMONGA	CA	91730	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-012	8560 VINEYARD AVE 409	RANCHO CUCAMONGA	CA	91730	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-013	8560 VINEYARD AVE 409	RANCHO CUCAMONGA	CA	91730	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-014	8560 VINEYARD AVE 409	RANCHO CUCAMONGA	CA	91730	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-015	8560 VINEYARD AVE 409	RANCHO CUCAMONGA	CA	91730	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-016	25637 ESTORIL ST	VALENCIA	CA	91355	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-017	2510 23RD AVE	SACRAMENTO	CA	95820	N/AVAIL	LAKE ELSINORE	CA	92530
378-121-018	7 SEAMIST CT	NEWPORT BEACH	CA	92663	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-006	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-007	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-008	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-009	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-010	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-011	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-012	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-013	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-014	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530

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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_S	SITE_ZIP
378-122-015	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-016	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-017	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-018	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-019	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-122-020	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-009	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-010	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-011	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-012	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-013	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-014	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-015	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-016	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-017	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-018	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-019	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-020	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-021	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-022	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-023	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-024	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-123-025	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-009	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-010	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-011	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-012	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-013	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-014	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-015	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-016	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-017	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-018	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-019	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-020	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-021	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-022	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-124-023	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-125-011	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-125-012	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-125-013	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-125-014	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-125-015	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-125-016	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-125-017	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-125-018	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-125-019	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-125-020	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-125-021	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
378-125-022	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
389-020-032	14741 LAKE ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
389-020-035	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-020-036	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	CORONA	CA	92883
389-020-049	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-020-050	PO BOX 3000	LAKE ELSINORE	CA	92531	N/AVAIL	LAKE ELSINORE	CA	92530
389-020-051	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-020-052	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-020-056	130 S MAIN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
389-020-057	PO BOX 3000	LAKE ELSINORE	CA	92531	N/AVAIL	LAKE ELSINORE	CA	92530
389-020-058	130 S MAIN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
389-080-035	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-080-038	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-080-040	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-080-044	3525 14TH ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
389-080-048	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-080-049	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-080-051	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-080-052	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-090-004	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-100-002	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-100-006	10900 WILSHIRE BLVD 1600	LOS ANGELES	CA	90024	N/AVAIL	N/AVAIL	CA	N/AVAIL
389-100-007	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	N/AVAIL	CA	N/AVAIL
389-100-009	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	N/AVAIL	CA	N/AVAIL
389-100-010	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	N/AVAIL	CA	N/AVAIL
389-100-013	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-100-014	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-100-015	130 S MAIN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
389-100-016	130 S MAIN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
389-100-017	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-100-018	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-100-019	224 ESPLANADE	SAN CLEMENTE	CA	92672	N/AVAIL	LAKE ELSINORE	CA	92530
389-100-024	130 S MAIN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
389-100-025	130 S MAIN ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
389-110-001	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	N/AVAIL	CA	N/AVAIL
389-110-002	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	N/AVAIL	CA	N/AVAIL
389-110-003	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	N/AVAIL	CA	N/AVAIL
389-110-008	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
389-162-002	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	N/AVAIL	CA	N/AVAIL
390-130-015	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	CORONA	CA	92883
390-130-016	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
390-130-017	PO BOX 11165	BAKERSFIELD	CA	93389	N/AVAIL	LAKE ELSINORE	CA	92532
390-130-018	PO BOX 1239	VISTA	CA	92085	N/AVAIL	LAKE ELSINORE	CA	92530
390-130-020	14741 LAKE ST	LAKE ELSINORE	CA	92530	N/AVAIL	CORONA	CA	92883
390-130-021	14741 LAKE ST	LAKE ELSINORE	CA	92530	27115 LAKE ST	LAKE ELSINORE	CA	92530
390-130-026	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
390-130-029	3525 14TH ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
390-160-001	14741 LAKE ST	LAKE ELSINORE	CA	92530	N/AVAIL	CORONA	CA	92883
390-160-002	14741 LAKE ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
390-160-003	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
390-160-006	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
390-160-011	740 CARNEGIE DR	SAN BERNARDINO	CA	92408	N/AVAIL	LAKE ELSINORE	CA	92530
390-170-001	14741 LAKE ST	LAKE ELSINORE	CA	92530	N/AVAIL	CORONA	CA	92883
390-170-002	22584 PIN TAIL DR	SUN CITY	CA	92587	N/AVAIL	LAKE ELSINORE	CA	92530
390-190-012	14741 LAKE ST	LAKE ELSINORE	CA	92530	N/AVAIL	CORONA	CA	92883
390-190-013	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
390-190-014	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
390-190-015	2300 NORFIELD CT	THOUSAND OAKS	CA	91361	N/AVAIL	LAKE ELSINORE	CA	92530
391-120-015	PO BOX 3000	LAKE ELSINORE	CA	92531	N/AVAIL	CORONA	CA	N/AVAIL
391-120-016	14116 TEMESCAL CANYON RD	CORONA	CA	92883	14116 HWY 71	PERRIS	CA	92570
391-120-022	2262 SALT AIR DR	SANTA ANA	CA	92705	N/AVAIL	CORONA	CA	N/AVAIL
391-120-023	591 MOUNT HUNTER WAY	BOULDER CITY	NV	89005	N/AVAIL	CORONA	CA	N/AVAIL
391-120-024	2262 SALT AIR DR	SANTA ANA	CA	92705	N/AVAIL	CORONA	CA	N/AVAIL
391-120-026	2262 SALT AIR DR	SANTA ANA	CA	92705	N/AVAIL	N/AVAIL	CA	N/AVAIL
391-150-027	2801 HARBOR VIEW DR	CORONA DEL MAR	CA	92625	14221 TEMESCAL CANYON RD	CORONA	CA	92883
391-160-019	50 E NORTH TEMPLE 22ND	SALT LAKE CITY	UT	84150	N/AVAIL	CORONA	CA	N/AVAIL
391-160-020	50 E NORTH TEMPLE 22ND	SALT LAKE CITY	UT	84150	N/AVAIL	CORONA	CA	N/AVAIL

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ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
8/28/2009

APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
391-160-021	591 MOUNT HUNTER WAY	BOULDER CITY	NV	89005	N/AVAIL	CORONA	CA	N/AVAIL
391-160-022	600 JOHN ST	MANHATTAN BEACH	CA	90266	N/AVAIL	CORONA	CA	N/AVAIL
391-180-027	464 W 4TH ST 6TH	SAN BERNARDINO	CA	92401	N/AVAIL	N/AVAIL	CA	N/AVAIL
391-180-028	18025 HICKORY TREE LN	RIVERSIDE	CA	92504	N/AVAIL	N/AVAIL	CA	N/AVAIL
391-190-009	464 W 4TH ST 6TH	SAN BERNARDINO	CA	92401	14900 HWY 71	LAKE ELSINORE	CA	92530
391-190-015	18025 HICKORY TREE LN	RIVERSIDE	CA	92504	N/AVAIL	N/AVAIL	CA	N/AVAIL
391-190-016	464 W 4TH ST 6TH	SAN BERNARDINO	CA	92401	N/AVAIL	N/AVAIL	CA	N/AVAIL
391-200-002	PO BOX 231	SAN BERNARDINO	CA	92402	N/AVAIL	LAKE ELSINORE	CA	92532
391-200-003	14741 LAKE ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
391-200-004	14741 LAKE ST	LAKE ELSINORE	CA	92530	N/AVAIL	CORONA	CA	92883
391-200-007	14741 LAKE ST	LAKE ELSINORE	CA	92530	14741 LAKE ST	LAKE ELSINORE	CA	92530
391-200-010	14741 LAKE ST	LAKE ELSINORE	CA	92530	N/AVAIL	LAKE ELSINORE	CA	92530
391-200-012	14741 LAKE ST	LAKE ELSINORE	CA	92530	N/AVAIL	CORONA	CA	92883
391-200-016	18 CYPRESS POINT LN	NEWPORT BEACH	CA	92660	14900 CONCORDIA RANCH RD	LAKE ELSINORE	CA	92530
391-200-017	31562 VIA DULCINEA	SAN JUAN CAPISTRANO	CA	92675	N/AVAIL	LAKE ELSINORE	CA	92530
377-140-023	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	LAKE ELSINORE	CA	92530
391-170-019	2550 S SANTA FE AVE	VISTA	CA	92084	N/AVAIL	N/AVAIL	CA	N/AVAIL
377-140-024	20950 WARNER CENTER LN C	WOODLAND HILLS	CA	91367	N/AVAIL	LAKE ELSINORE	CA	92530
338-160-017	PO BOX 1572	RANCHO SANTA FE	CA	92067	29950 MURRIETA RD	SUN CITY	CA	92584
339-200-059	PO BOX 150	SAN BERNARDINO	CA	92402	25904 NEWPORT RD	MENIFEE	CA	92584
339-200-063	PO BOX 150	COLTON	CA	92324	N/AVAIL	MENIFEE	CA	92584
358-090-014	509 CORBETT AVE	SAN FRANCISCO	CA	94114	30251 MURRIETA RD	MENIFEE	CA	92584
358-090-028	12865 POINTE DEL MAR 200	DEL MAR	CA	92014	N/AVAIL	N/AVAIL	CA	N/AVAIL
358-090-032	PO BOX 1545	SUN VALLEY	ID	83353	N/AVAIL	MENIFEE	CA	92584
358-090-033	PO BOX 1545	SUN VALLEY	ID	83353	N/AVAIL	MENIFEE	CA	92584
358-100-010	30901 MURRIETA RD	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-100-012	26011 HOLLAND RD	SUN CITY	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-100-013	26011 HOLLAND RD	SUN CITY	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-100-020	10516 CAMINITO RIMINI	SAN DIEGO	CA	92129	25965 MOUNTAIN PARK DR	MENIFEE	CA	92584
358-100-028	31401 BYERS ST	MENIFEE	CA	92584	25898 FARMINGTON RD	MENIFEE	CA	92584
358-100-029	25962 FARMINGTON RD	MENIFEE	CA	92584	25962 FARMINGTON RD	MENIFEE	CA	92584
358-100-037	PO BOX 2187	SUN CITY	CA	92586	N/AVAIL	MENIFEE	CA	92584
358-100-038	25988 SURREY RD	SUN CITY	CA	92584	25988 SURREY RD	MENIFEE	CA	92584
358-100-039	25991 SURREY RD	SUN CITY	CA	92584	25991 SURREY RD	MENIFEE	CA	92584
358-100-040	28638 RED GUM RD	LAKE ELSINORE	CA	92532	30950 MELVIN ST	MENIFEE	CA	92584
358-100-055	25941 FARMINGTON RD	MENIFEE	CA	92584	25941 FARMINGTON RD	MENIFEE	CA	92584
358-100-056	25975 FARMINGTON RD	MENIFEE	CA	92584	25975 FARMINGTON RD	MENIFEE	CA	92584
358-100-057	25891 MOUNTAIN PARK DR	SUN CITY	CA	92584	25891 MOUNTAIN PARK DR	MENIFEE	CA	92584
358-100-058	25865 MOUNTAIN PARK DR	SUN CITY	CA	92584	25865 MOUNTAIN PARK DR	MENIFEE	CA	92584
358-100-060	30990 MELVIN ST	MENIFEE	CA	92584	30990 MELVIN ST	MENIFEE	CA	92584
358-100-061	12228 GAY RIO DR	LAKESIDE	CA	92040	30970 MELVIN ST	MENIFEE	CA	92584
358-170-003	25891 HOLLAND RD	MENIFEE	CA	92584	31040 MELVIN ST	MENIFEE	CA	92584
358-170-004	31080 MELVIN ST	MENIFEE	CA	92584	31080 MELVIN ST	MENIFEE	CA	92584
358-170-005	31110 MELVIN ST	SUN CITY	CA	92584	31110 MELVIN ST	MENIFEE	CA	92584
358-170-007	1900 S PALM CANYON DR 23	PALM SPRINGS	CA	92264	31142 MELVIN ST	MENIFEE	CA	92584
358-170-008	31160 MELVIN ST	SUN CITY	CA	92584	31160 MELVIN ST	MENIFEE	CA	92584
358-170-009	26355 BYERS RD	SUN CITY	CA	92585	31190 MELVIN ST	MENIFEE	CA	92584
358-170-010	41863 JUNIPER ST	MURRIETA	CA	92562	31220 MELVIN ST	MENIFEE	CA	92584
358-170-011	25950 CORSON AVE	MENIFEE	CA	92584	25950 CORSON AVE	MENIFEE	CA	92584
358-170-012	34888 ANTELOPE RD	MURRIETA	CA	92563	25990 CORSON AVE	MENIFEE	CA	92584
358-170-013	31233 MURRIETA RD	MENIFEE	CA	92584	31233 MURRIETA RD	MENIFEE	CA	92584
358-170-014	31191 MURRIETA RD	MENIFEE	CA	92584	31191 MURRIETA RD	MENIFEE	CA	92584
358-170-015	25221 BUNDY CANYON RD	MENIFEE	CA	92584	31161 MURRIETA RD	MENIFEE	CA	92584
358-170-016	25221 BUNDY CANYON RD	MENIFEE	CA	92584	31161 MURRIETA RD	MENIFEE	CA	92584
358-170-017	31135 MURRIETA RD	SUN CITY	CA	92584	31135 MURRIETA RD	MENIFEE	CA	92584
358-170-018	39767 BARBADOS DR	MURRIETA	CA	92563	N/AVAIL	MENIFEE	CA	92584
358-170-019	1120 W 135TH ST	GARDENA	CA	90247	31115 MURRIETA RD	MENIFEE	CA	92584
358-170-020	28670 OAK RIDGE RD	HIGHLAND	CA	92346	31085 MURRIETA RD	MENIFEE	CA	92584

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ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
8/28/2009

APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_S	SITE_ZIP
358-170-021	25891 HOLLAND RD	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-170-022	25891 HOLLAND RD	MENIFEE	CA	92584	31045 MURRIETA RD	MENIFEE	CA	92584
358-170-023	25891 HOLLAND RD	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-170-024	25891 HOLLAND RD	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-170-026	25891 HOLLAND RD	MENIFEE	CA	92584	25891 HOLLAND RD	MENIFEE	CA	92584
358-210-001	31266 MELVIN ST	MENIFEE	CA	92584	31266 MELVIN ST	MENIFEE	CA	92584
358-210-002	31270 MELVIN ST	MENIFEE	CA	92584	31270 MELVIN ST	MENIFEE	CA	92584
358-210-003	31284 MELVIN ST	SUN CITY	CA	92584	31284 MELVIN ST	MENIFEE	CA	92584
358-210-004	21 SEABIRD CT	NEWPORT BEACH	CA	92663	31330 MELVIN ST	MENIFEE	CA	92584
358-210-005	31350 MELVIN ST	MENIFEE	CA	92584	31350 MELVIN ST	MENIFEE	CA	92584
358-210-006	31370 MELVIN ST	MENIFEE	CA	92584	31370 MELVIN ST	MENIFEE	CA	92584
358-210-007	31390 MELVIN ST	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-210-008	31390 MELVIN ST	MENIFEE	CA	92584	31380 MELVIN ST	MENIFEE	CA	92584
358-210-020	23941 LARKWOOD LN	LAKE FOREST	CA	92630	31441 MURRIETA RD	MENIFEE	CA	92584
358-210-021	31421 MURRIETA RD	SUN CITY	CA	92584	31421 MURRIETA RD	MENIFEE	CA	92584
358-210-022	1022 N TWIN OAKS VALLEY RD	SAN MARCOS	CA	92069	31401 MURRIETA RD	MENIFEE	CA	92584
358-210-023	11952 WILSHIRE BLVD	LOS ANGELES	CA	90025	31371 MURRIETA RD	MENIFEE	CA	92584
358-210-025	31339 MURRIETA RD	MENIFEE	CA	92584	31339 MURRIETA RD	MENIFEE	CA	92584
358-210-026	31295 MURRIETA RD	SUN CITY	CA	92584	31295 MURRIETA RD	MENIFEE	CA	92584
358-210-027	31285 MURRIETA RD	SUN CITY	CA	92584	31285 MURRIETA RD	MENIFEE	CA	92584
358-210-028	31275 MURRIETA RD	SUN CITY	CA	92584	31275 MURRIETA RD	SUN CITY	CA	92584
358-210-031	26100 NEWPORT RD A12	MENIFEE	CA	92584	31361 MURRIETA RD	MENIFEE	CA	92584
358-210-032	31355 MURRIETA RD	MENIFEE	CA	92584	31355 MURRIETA RD	MENIFEE	CA	92584
358-210-033	31265 MURRIETA RD	SUN CITY	CA	92584	31265 MURRIETA RD	MENIFEE	CA	92584
358-210-034	25940 CRAIG AVE	SUN CITY	CA	92584	25940 CRAIG AVE	MENIFEE	CA	92584
358-210-035	623 NEW DEAL AVE	SALINAS	CA	93905	25930 CRAIG AVE	MENIFEE	CA	92584
358-210-036	31497 MURRIETA RD	SUN CITY	CA	92584	31497 MURRIETA RD	MENIFEE	CA	92584
358-232-016	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-232-017	200 S MAIN ST 300	CORONA	CA	92882	25945 BETH DR	MENIFEE	CA	92584
358-233-001	200 S MAIN ST 300	CORONA	CA	92882	25950 BETH DR	MENIFEE	CA	92584
358-233-002	200 S MAIN ST 300	CORONA	CA	92882	25924 BETH DR	MENIFEE	CA	92584
358-233-003	200 S MAIN ST 300	CORONA	CA	92882	25898 BETH DR	MENIFEE	CA	92584
358-233-014	200 S MAIN ST 300	CORONA	CA	92882	25949 THISTLETOWN CT	MENIFEE	CA	92584
358-233-015	200 S MAIN ST 300	CORONA	CA	92882	25975 THISTLETOWN CT	MENIFEE	CA	92584
358-233-016	200 S MAIN ST 300	CORONA	CA	92882	25970 THISTLETOWN CT	MENIFEE	CA	92584
358-233-017	200 S MAIN ST 300	CORONA	CA	92882	25944 THISTLETOWN CT	MENIFEE	CA	92584
358-233-020	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-233-021	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-240-016	31765 MURRIETA RD	SUN CITY	CA	92584	31765 MURRIETA RD	MENIFEE	CA	92584
358-240-033	12708 STONEACRE AVE	LYNWOOD	CA	90262	31885 MURRIETA RD	MENIFEE	CA	92584
358-240-034	23987 CONTINENTAL DR	CANYON LAKE	CA	92587	31895 MURRIETA RD	MENIFEE	CA	92584
358-240-035	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	MENIFEE	CA	92584
358-240-036	31981 MURRIETA RD	SUN CITY	CA	92584	31981 MURRIETA RD	MENIFEE	CA	92584
358-240-050	10348 PALM ROW DR	LAKESIDE	CA	92040	25910 ROLLING HILLS DR	MENIFEE	CA	92584
360-011-002	PO BOX 813	SUN CITY	CA	92586	26010 SAN QUINTIN RD	MENIFEE	CA	92584
360-011-003	26020 SAN QUINTIN RD	MENIFEE	CA	92584	26020 SAN QUINTIN RD	MENIFEE	CA	92584
360-011-004	4443 ESTADA DR	OCEANSIDE	CA	92057	26030 SAN QUINTIN RD	MENIFEE	CA	92584
360-011-005	26040 SAN QUINTIN RD	MENIFEE	CA	92584	26040 SAN QUINTIN RD	MENIFEE	CA	92584
360-011-025	501 SANTA MONICA PIER 312	SANTA MONICA	CA	90401	26015 NEWPORT RD	MENIFEE	CA	92584
360-011-027	501 SANTA MONICA PIER 312	SANTA MONICA	CA	90401	26025 NEWPORT RD	MENIFEE	CA	92584
360-011-028	501 SANTA MONICA PIER 312	SANTA MONICA	CA	90401	26035 NEWPORT RD	MENIFEE	CA	92584
360-015-017	26041 SAN QUINTIN RD	MENIFEE	CA	92584	26041 SAN QUINTIN RD	MENIFEE	CA	92584
360-016-001	26021 SAN QUINTIN RD	MENIFEE	CA	92584	26021 SAN QUINTIN RD	MENIFEE	CA	92584
360-016-002	26011 SAN QUINTIN RD	MENIFEE	CA	92584	26011 SAN QUINTIN RD	MENIFEE	CA	92584
360-020-001	3133 7TH ST	RIVERSIDE	CA	92501	N/AVAIL	MENIFEE	CA	92584
360-020-002	22207 SHADY RIM CIR	LAKE FOREST	CA	92630	N/AVAIL	MENIFEE	CA	92584
360-020-003	PO BOX 362	WILDOMAR	CA	92595	30205 BAUMAN LN	MENIFEE	CA	92584
360-020-009	30320 MURRIETA RD	SUN CITY	CA	92584	30320 MURRIETA RD	MENIFEE	CA	92584

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8/28/2009

APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
360-020-010	30350 MURRIETA RD	MENIFEE	CA	92584	30350 MURRIETA RD	MENIFEE	CA	92584
360-040-001	29611 BONANZA PL	CANYON LAKE	CA	92587	30510 MURRIETA RD	MENIFEE	CA	92584
360-040-002	PO BOX 128	SUN CITY	CA	92586	30530 MURRIETA RD	MENIFEE	CA	92584
360-040-003	30670 MURRIETA RD	MENIFEE	CA	92584	30670 MURRIETA RD	MENIFEE	CA	92584
360-040-004	PO BOX 572	WILDOMAR	CA	92595	30720 MURRIETA RD	MENIFEE	CA	92584
360-040-005	30730 MURRIETA RD	SUN CITY	CA	92584	30730 MURRIETA RD	MENIFEE	CA	92584
360-040-012	30850 MURRIETA RD	MENIFEE	CA	92584	N/AVAIL	N/AVAIL	CA	N/AVAIL
360-040-013	30850 MURRIETA RD	SUN CITY	CA	92584	30850 MURRIETA RD	MENIFEE	CA	92584
360-040-014	PO BOX 995	SUN CITY	CA	92586	N/AVAIL	MENIFEE	CA	92584
360-040-015	26011 HOLLAND RD	SUN CITY	CA	92584	26011 HOLLAND RD	MENIFEE	CA	92584
360-160-001	31280 MURRIETA RD	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
360-160-005	26030 MUSICK RD	MENIFEE	CA	92584	26030 MUSICK RD	MENIFEE	CA	92584
360-160-006	26050 MUSICK RD	MENIFEE	CA	92584	26050 MUSICK RD	MENIFEE	CA	92584
360-160-009	2304 E CLIFPARK WAY	ANAHEIM	CA	92806	N/AVAIL	MENIFEE	CA	92584
360-160-010	26065 MUSICK RD	MENIFEE	CA	92584	26065 MUSICK RD	MENIFEE	CA	92584
360-160-023	1132 CORONA LN	COSTA MESA	CA	92626	N/AVAIL	MENIFEE	CA	92584
360-160-024	19174 BLACKHILLS CIR	MENIFEE	CA	92584	26080 CRAIG AVE	MENIFEE	CA	92584
360-180-003	36310 INLAND VALLEY DR	WILDOMAR	CA	92595	N/AVAIL	N/AVAIL	CA	N/AVAIL
360-180-005	36310 INLAND VALLEY DR	WILDOMAR	CA	92595	N/AVAIL	N/AVAIL	CA	N/AVAIL
360-180-007	PO BOX 2139	TEMPLE CITY	CA	91780	26100 GARBONI RD	MENIFEE	CA	92584
360-180-010	36310 INLAND VALLEY DR	WILDOMAR	CA	92595	N/AVAIL	N/AVAIL	CA	N/AVAIL
360-280-001	3007 SANTA MONICA BLVD	SANTA MONICA	CA	90404	N/AVAIL	MENIFEE	CA	92584
360-280-010	218 MACHLIN CT A	CITY OF INDUSTRY	CA	91789	N/AVAIL	MENIFEE	CA	92584
360-280-012	218 MACHLIN CT A	CITY OF INDUSTRY	CA	91789	N/AVAIL	MENIFEE	CA	92584
360-290-001	129 S BEAUMONT LN	VISTA	CA	92084	N/AVAIL	N/AVAIL	CA	N/AVAIL
360-290-002	129 S BEAUMONT LN	VISTA	CA	92084	N/AVAIL	N/AVAIL	CA	N/AVAIL
360-290-013	25 W RODELL PL	ARCADIA	CA	91007	26015 OKUMA RD	MENIFEE	CA	92584
360-290-016	3133 7TH ST	RIVERSIDE	CA	92501	N/AVAIL	MENIFEE	CA	92584
360-310-006	PO BOX 9	ORANGE	CA	92856	N/AVAIL	MENIFEE	CA	92584
360-310-016	31681 RAILROAD CANYON RD 1	CANYON LAKE	CA	92587	32803 GALLERY OAKS CT	MENIFEE	CA	92584
360-310-017	31681 RAILROAD CANYON RD 1	CANYON LAKE	CA	92587	32779 GALLERY OAKS CT	MENIFEE	CA	92584
360-310-018	31681 RAILROAD CANYON RD 1	CANYON LAKE	CA	92587	32755 GALLERY OAKS CT	MENIFEE	CA	92584
360-311-001	31681 RAILROAD CANYON RD 1	CANYON LAKE	CA	92587	26020 WALDON RD	MENIFEE	CA	92584
360-311-002	31681 RAILROAD CANYON RD 1	CANYON LAKE	CA	92587	26044 WALDON RD	MENIFEE	CA	92584
360-311-004	31681 RAILROAD CANYON RD 1	CANYON LAKE	CA	92587	32629 HAYDEN LN	MENIFEE	CA	92584
360-311-005	31681 RAILROAD CANYON RD 1	CANYON LAKE	CA	92587	32581 HAYDEN LN	MENIFEE	CA	92584
360-311-006	32605 HAYDEN LN	MENIFEE	CA	92584	32605 HAYDEN LN	MENIFEE	CA	92584
360-311-007	31681 RAILROAD CANYON RD 1	CANYON LAKE	CA	92587	32581 HAYDEN LN	MENIFEE	CA	92584
360-311-008	31681 RAILROAD CANYON RD 1	CANYON LAKE	CA	92587	32605 HAYDEN LN	MENIFEE	CA	92584
360-311-009	31681 RAILROAD CANYON RD 1	CANYON LAKE	CA	92587	32564 HAYDEN LN	MENIFEE	CA	92584
360-311-010	31618 RAILROAD CANYON RD	CANYON LAKE	CA	92587	N/AVAIL	MENIFEE	CA	92584
360-521-011	31018 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31018 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-521-012	31013 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31013 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-521-013	31027 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31027 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-521-014	31041 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31041 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-521-015	11000 WILSHIRE BLVD	LOS ANGELES	CA	90024	31055 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-521-016	31069 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31069 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-521-017	31083 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31083 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-521-018	31097 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31097 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-521-019	31111 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31111 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-530-001	31125 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31125 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-530-002	31139 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31139 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-530-003	33319 BREIGHTON WOOD ST	MENIFEE	CA	92584	31153 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-530-004	31167 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31167 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-530-005	31181 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31181 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-530-010	1500 S HAVEN AVE 100	ONTARIO	CA	91761	N/AVAIL	MENIFEE	CA	92584
362-040-024	32525 MURRIETA RD	MENIFEE	CA	92584	32525 MURRIETA RD	MENIFEE	CA	92584
362-040-026	32551 MURRIETA RD	MENIFEE	CA	92584	32551 MURRIETA RD	MENIFEE	CA	92584

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_S	SITE_ZIP
362-040-048	40588 MAYBERRY AVE	HEMET	CA	92544	N/AVAIL	MENIFEE	CA	92584
362-040-049	40588 MAYBERRY AVE	HEMET	CA	92544	32701 MURRIETA RD	MENIFEE	CA	92584
362-060-024	32843 MURRIETA RD	MENIFEE	CA	92584	32843 MURRIETA RD	MENIFEE	CA	92584
362-060-025	32905 MURRIETA RD	MENIFEE	CA	92584	32905 MURRIETA RD	MENIFEE	CA	92584
362-060-029	24525 AVENIDA ARCONTE	MURRIETA	CA	92562	25995 WALDON RD	MENIFEE	CA	92584
362-060-039	27989 HOLLAND RD	MENIFEE	CA	92584	32935 MURRIETA RD	MENIFEE	CA	92584
362-110-025	196 WESTWOOD PL	UPLAND	CA	91786	N/AVAIL	MENIFEE	CA	92584
362-440-002	32017 MURRIETA RD	SUN CITY	CA	92584	N/AVAIL	MENIFEE	CA	92584
362-440-003	32017 MURRIETA RD	SUN CITY	CA	92584	32017 MURRIETA RD	MENIFEE	CA	92584
362-440-008	25900 GLENBURN RD	MENIFEE	CA	92584	25900 GLENBURN RD	MENIFEE	CA	92584
362-440-019	32231 MURRIETA RD	SUN CITY	CA	92584	N/AVAIL	MENIFEE	CA	92584
362-440-021	32231 MURRIETA RD	SUN CITY	CA	92584	N/AVAIL	MENIFEE	CA	92584
362-440-022	32231 MURRIETA RD	SUN CITY	CA	92584	32231 MURRIETA RD	MENIFEE	CA	92584
362-440-026	25905 GLENBURN RD	MENIFEE	CA	92584	25905 GLENBURN RD	MENIFEE	CA	92584
362-450-018	42030 AVENIDA ALVARADO A	TEMECULA	CA	92590	N/AVAIL	N/AVAIL	CA	N/AVAIL
362-450-029	418 ARCADIA WAY	WALNUT	CA	91789	N/AVAIL	MENIFEE	CA	92584
362-450-031	418 ARCADIA WAY	WALNUT	CA	91789	N/AVAIL	MENIFEE	CA	92584
362-450-032	32490 AVALON LN	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
362-450-036	3762 S MAIN ST	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
384-010-001	14606 WOODLAND DR 8	FONTANA	CA	92337	N/AVAIL	MENIFEE	CA	92584
384-010-002	26047 SCOTT RD	MENIFEE	CA	92584	26047 SCOTT RD	MENIFEE	CA	92584
360-020-038	31618 RAILROAD CANYON RD 1	CANYON LAKE	CA	92587	N/AVAIL	MENIFEE	CA	92584
360-020-039	31618 RAILROAD CANYON RD 1	CANYON LAKE	CA	92587	N/AVAIL	MENIFEE	CA	92584
360-020-040	30480 MURRIETA RD	SUN CITY	CA	92584	N/AVAIL	MENIFEE	CA	92584
360-020-041	30480 MURRIETA RD	SUN CITY	CA	92584	30480 MURRIETA RD	SUN CITY	CA	92584
338-160-014	30342 ESPERANZA	RCHO STATION MARG	CA	92688	26100 NEWPORT RD	MENIFEE	CA	92584
338-160-015	PO BOX 20	BOISE	ID	83726	26100 NEWPORT RD	MENIFEE	CA	92584
338-160-017	PO BOX 1572	RANCHO SANTA FE	CA	92067	29950 MURRIETA RD	SUN CITY	CA	92584
338-271-009	26215 LAZY CREEK RD	SUN CITY	CA	92586	29799 KRATKA RIDGE LN	SUN CITY	CA	92586
338-271-010	29811 KRATKA RIDGE LN	SUN CITY	CA	92586	29811 KRATKA RIDGE LN	SUN CITY	CA	92586
338-271-011	29823 KRATKA RIDGE LN	SUN CITY	CA	92586	29823 KRATKA RIDGE LN	SUN CITY	CA	92586
338-271-012	29835 KRATKA RIDGE LN	SUN CITY	CA	92586	29835 KRATKA RIDGE LN	SUN CITY	CA	92586
338-271-013	29847 KRATKA RIDGE LN	SUN CITY	CA	92586	29847 KRATKA RIDGE LN	SUN CITY	CA	92586
338-271-014	29861 KRATKA RIDGE LN	SUN CITY	CA	92586	29861 KRATKA RIDGE LN	SUN CITY	CA	92586
338-271-015	29875 KRATKA RIDGE LN	SUN CITY	CA	92586	29875 KRATKA RIDGE LN	SUN CITY	CA	92586
338-271-016	29887 KRATKA RIDGE LN	SUN CITY	CA	92586	29887 KRATKA RIDGE LN	SUN CITY	CA	92586
338-271-017	29899 KRATKA RIDGE LN	SUN CITY	CA	92586	29899 KRATKA RIDGE LN	SUN CITY	CA	92586
338-273-005	29906 KRATKA RIDGE LN	SUN CITY	CA	92586	29906 KRATKA RIDGE LN	SUN CITY	CA	92586
338-273-006	26067 SNOW CREEK DR	SUN CITY	CA	92586	26067 SNOW CREEK DR	SUN CITY	CA	92586
339-200-008	17618 MORNING SUN CT	RIVERSIDE	CA	92503	29801 MURRIETA RD	MENIFEE	CA	92584
339-200-009	PO BOX 800	ROSEMEAD	CA	91770	N/AVAIL	MENIFEE	CA	92584
339-200-059	PO BOX 150	SAN BERNARDINO	CA	92402	25904 NEWPORT RD	MENIFEE	CA	92584
339-200-060	PO BOX 8431	HARRISBURG	PA	17105	25908 NEWPORT RD	MENIFEE	CA	92584
339-200-063	PO BOX 150	COLTON	CA	92324	N/AVAIL	MENIFEE	CA	92584
358-090-014	509 CORBETT AVE	SAN FRANCISCO	CA	94114	30251 MURRIETA RD	MENIFEE	CA	92584
358-090-032	PO BOX 1545	SUN VALLEY	ID	83353	N/AVAIL	MENIFEE	CA	92584
360-011-025	501 SANTA MONICA PIER 312	SANTA MONICA	CA	90401	26015 NEWPORT RD	MENIFEE	CA	92584
360-011-027	501 SANTA MONICA PIER 312	SANTA MONICA	CA	90401	26025 NEWPORT RD	MENIFEE	CA	92584
360-011-028	501 SANTA MONICA PIER 312	SANTA MONICA	CA	90401	26035 NEWPORT RD	MENIFEE	CA	92584
358-100-004	25690 HOLLAND RD	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-100-005	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	MENIFEE	CA	92584
358-100-006	25710 HOLLAND RD	SUN CITY	CA	92584	25710 HOLLAND RD	MENIFEE	CA	92584
358-100-012	26011 HOLLAND RD	SUN CITY	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-100-034	31271 CORTE ALHAMBRA	TEMECULA	CA	92592	N/AVAIL	MENIFEE	CA	92584
358-100-039	25991 SURREY RD	SUN CITY	CA	92584	25991 SURREY RD	MENIFEE	CA	92584
358-100-040	28638 RED GUM RD	LAKE ELSINORE	CA	92532	30950 MELVIN ST	MENIFEE	CA	92584
358-100-059	30969 MELVIN ST	MENIFEE	CA	92584	30969 MELVIN ST	MENIFEE	CA	92584
358-100-060	30990 MELVIN ST	MENIFEE	CA	92584	30990 MELVIN ST	MENIFEE	CA	92584

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
358-100-061	12228 GAY RIO DR	LAKESIDE	CA	92040	30970 MELVIN ST	MENIFEE	CA	92584
358-100-062	30901 MURRIETA RD	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-100-066	1522 E WARNER AVE 1	SANTA ANA	CA	92705	N/AVAIL	N/AVAIL	CA	N/AVAIL
358-130-010	31239 BYERS ST	MENIFEE	CA	92584	31137 BYERS ST	MENIFEE	CA	92584
358-130-011	31039 BYERS ST	SUN CITY	CA	92584	31039 BYERS ST	MENIFEE	CA	92584
358-130-012	31031 BYERS ST	MENIFEE	CA	92584	31031 BYERS ST	MENIFEE	CA	92584
358-130-013	31002 ANNA LN	MENIFEE	CA	92584	31002 ANNA LN	MENIFEE	CA	92584
358-130-028	31415 BYERS ST	MENIFEE	CA	92584	31415 BYERS ST	MENIFEE	CA	92584
358-130-029	PO BOX 736	WILDOMAR	CA	92595	31275 BYERS ST	MENIFEE	CA	92584
358-130-033	31401 BYERS ST	SUN CITY	CA	92584	31401 BYERS ST	MENIFEE	CA	92584
358-130-039	2305 190TH ST	REDONDO BEACH	CA	90278	N/AVAIL	MENIFEE	CA	92584
358-130-040	709 VIA SOMONTE	PALOS VERDES ESTATES	CA	90274	N/AVAIL	MENIFEE	CA	92584
358-130-043	31566 RAILROAD CANYON RD	CANYON LAKE	CA	92587	31451 BYERS ST	MENIFEE	CA	92584
358-130-044	3909 RECHE RD 140	FALLBROOK	CA	92028	31531 BYERS ST	MENIFEE	CA	92584
358-130-045	31150 ANNA LN	SUN CITY	CA	92584	31150 ANNA LN	MENIFEE	CA	92584
358-130-046	31200 ANNA LN	SUN CITY	CA	92584	31200 ANNA LN	MENIFEE	CA	92584
358-130-047	31215 BYERS ST	MENIFEE	CA	92584	31215 BYERS ST	MENIFEE	CA	92584
358-130-049	40402 VIA SIENA	MURRIETA	CA	92562	31074 ANNA LN	MENIFEE	CA	92584
358-130-054	31875 BYERS ST	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-130-055	24100 PENNSYLVANIA AVE 73	LOMITA	CA	90717	N/AVAIL	MENIFEE	CA	92584
358-130-059	31785 BYERS ST	MENIFEE	CA	92584	31785 BYERS ST	MENIFEE	CA	92584
358-130-060	31239 BYERS ST	SUN CITY	CA	92584	31239 BYERS ST	MENIFEE	CA	92584
358-130-065	13591 BONWICK DR	WHITTIER	CA	90601	N/AVAIL	MENIFEE	CA	92584
358-130-066	PO BOX 14	NUEVO	CA	92567	N/AVAIL	MENIFEE	CA	92584
358-140-001	25509 HOLLAND RD	SUN CITY	CA	92584	25509 HOLLAND RD	MENIFEE	CA	92584
358-140-002	25509 HOLLAND RD	SUN CITY	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-140-003	31040 BYERS ST	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-140-004	31040 BYERS ST	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-140-005	80300 ANTELOPE RD 1424	MENIFEE	CA	92584	31048 BYERS ST	MENIFEE	CA	92584
358-140-008	31060 BYERS ST	MENIFEE	CA	92584	31080 BYERS ST	MENIFEE	CA	92584
358-140-009	31170 BYERS ST	MENIFEE	CA	92584	31170 BYERS ST	MENIFEE	CA	92584
358-140-010	31190 BYERS ST	MENIFEE	CA	92584	31190 BYERS ST	MENIFEE	CA	92584
358-140-011	31200 BYERS ST	SUN CITY	CA	92584	31200 BYERS ST	MENIFEE	CA	92584
358-140-012	22520 CORSON ST	MENIFEE	CA	92584	25520 CORSON AVE	MENIFEE	CA	92584
358-140-021	31061 HAWTHORNE ST	MENIFEE	CA	92584	31061 HAWTHORNE ST	MENIFEE	CA	92584
358-140-022	31061 HAWTHORNE ST	MENIFEE	CA	92584	31051 HAWTHORNE ST	MENIFEE	CA	92584
358-140-023	25609 HOLLAND RD	SUN CITY	CA	92584	25609 HOLLAND RD	MENIFEE	CA	92584
358-140-025	31060 BYERS ST	SUN CITY	CA	92584	31060 BYERS ST	MENIFEE	CA	92584
358-140-026	31060 BYERS ST	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-140-027	31060 BYERS ST	MENIFEE	CA	92584	31050 BYERS ST	MENIFEE	CA	92584
358-150-001	25690 HOLLAND RD	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-150-002	25690 HOLLAND RD	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-150-003	801 N FORD AVE	FULLERTON	CA	92832	31080 HAWTHORNE ST	MENIFEE	CA	92584
358-150-021	31075 GEARY ST	MENIFEE	CA	92584	31075 GEARY ST	MENIFEE	CA	92584
358-150-022	31031 GEARY ST	MENIFEE	CA	92584	31031 GEARY ST	MENIFEE	CA	92584
358-150-023	31031 GEARY ST	MENIFEE	CA	92584	25731 HOLLAND RD	MENIFEE	CA	92584
358-160-020	25809 HOLLAND RD	SUN CITY	CA	92584	25809 HOLLAND RD	MENIFEE	CA	92584
358-160-035	31011 MELVIN ST	MENIFEE	CA	92584	31011 MELVIN ST	MENIFEE	CA	92584
358-160-036	22940 GRAY FOX DR	CANYON LAKE	CA	92587	25861 HOLLAND RD	MENIFEE	CA	92584
358-160-037	31071 MELVIN ST	SUN CITY	CA	92584	31071 MELVIN ST	MENIFEE	CA	92584
358-160-040	31070 GEARY ST	MENIFEE	CA	92584	31070 GEARY ST	MENIFEE	CA	92584
358-160-041	25785 HOLLAND RD	SUN CITY	CA	92584	25785 HOLLAND RD	MENIFEE	CA	92584
358-170-003	25891 HOLLAND RD	MENIFEE	CA	92584	31040 MELVIN ST	MENIFEE	CA	92584
358-170-021	25891 HOLLAND RD	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-170-022	25891 HOLLAND RD	MENIFEE	CA	92584	31045 MURRIETA RD	MENIFEE	CA	92584
358-170-023	25891 HOLLAND RD	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-170-024	25891 HOLLAND RD	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
358-170-026	25891 HOLLAND RD	MENIFEE	CA	92584	25891 HOLLAND RD	MENIFEE	CA	92584

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ALBERHILL SYSTEM PROJECT
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APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_S	SITE_ZIP
358-180-001	PO BOX 797	MURRIETA	CA	92564	25551 CORSON AVE	MENIFEE	CA	92584
358-180-002	31310 BYERS ST	SUN CITY	CA	92584	31310 BYERS ST	MENIFEE	CA	92584
358-180-003	31342 BYERS ST	SUN CITY	CA	92584	31342 BYERS ST	SUN CITY	CA	92584
358-180-004	31362 BYERS ST	SUN CITY	CA	92584	31362 BYERS ST	MENIFEE	CA	92584
358-180-005	31388 BYERS ST	MENIFEE	CA	92584	31388 BYERS ST	MENIFEE	CA	92584
358-180-006	31392 BYERS ST	SUN CITY	CA	92584	31392 BYERS ST	MENIFEE	CA	92584
358-180-007	31400 BYERS ST	MENIFEE	CA	92584	31400 BYERS ST	MENIFEE	CA	92584
358-180-008	31440 BYERS ST	SUN CITY	CA	92584	31440 BYERS ST	MENIFEE	CA	92584
358-180-009	PO BOX 2716	AVALON	CA	90704	31450 BYERS ST	MENIFEE	CA	92584
358-180-010	25540 CRAIG AVE	SUN CITY	CA	92584	25540 CRAIG AVE	MENIFEE	CA	92584
358-231-001	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-231-002	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-231-003	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-231-004	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-231-005	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-231-006	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-231-007	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-231-008	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-232-001	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-232-002	200 S MAIN ST 300	CORONA	CA	92882	N/AVAIL	MENIFEE	CA	92584
358-240-001	25530 ROLLING HILLS DR	SUN CITY	CA	92584	25530 ROLLING HILLS DR	MENIFEE	CA	92584
358-240-003	25520 ROLLING HILLS DR	MENIFEE	CA	92584	25520 ROLLING HILLS DR	MENIFEE	CA	92584
358-240-018	PO BOX 2	EAST BOOTHBAY	ME	4544	25575 ROLLING HILLS DR	MENIFEE	CA	92584
358-240-046	25520 GARBANI RD	MENIFEE	CA	92584	25520 GARBANI RD	MENIFEE	CA	92584
360-040-015	26011 HOLLAND RD	SUN CITY	CA	92584	26011 HOLLAND RD	MENIFEE	CA	92584
360-521-012	31013 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31013 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-521-013	31027 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31027 LITTLE CAMILLE WAY	MENIFEE	CA	92584
360-521-014	31041 LITTLE CAMILLE WAY	MENIFEE	CA	92584	31041 LITTLE CAMILLE WAY	MENIFEE	CA	92584
362-020-009	32025 BYERS ST	MENIFEE	CA	92584	32025 BYERS ST	MENIFEE	CA	92584
362-020-011	29425 CROW RDG	LAGUNA NIGUEL	CA	92677	32097 BYERS ST	MENIFEE	CA	92584
362-020-021	32235 BYERS ST	SUN CITY	CA	92584	32235 BYERS ST	MENIFEE	CA	92584
362-020-022	25482 BARNES LN	MENIFEE	CA	92584	25482 BARNES LN	MENIFEE	CA	92584
362-020-023	32237 MURRIETA RD	SUN CITY	CA	92584	32237 MURRIETA RD	MENIFEE	CA	92584
362-020-024	16787 BEACH BLVD 100	HUNTINGTON BEACH	CA	92647	N/AVAIL	MENIFEE	CA	92584
362-040-013	PO BOX 2139	TEMPLE CITY	CA	91780	25720 WALDON RD	MENIFEE	CA	92584
362-040-018	28278 WINDSAIL CT	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
362-040-030	PO BOX 1382	LAKE ELSINORE	CA	92531	N/AVAIL	MENIFEE	CA	92584
362-040-031	PO BOX 1096	LAKE ELSINORE	CA	92531	N/AVAIL	MENIFEE	CA	92584
362-040-036	32535 MURRIETA RD	SUN CITY	CA	92584	32535 MURRIETA RD	MENIFEE	CA	92584
362-040-037	25605 WICKERD RD	SUN CITY	CA	92584	25605 WICKERD RD	MENIFEE	CA	92584
362-040-038	32600 BYERS ST	SUN CITY	CA	92584	32600 BYERS ST	SUN CITY	CA	92584
362-040-040	25390 WALDON RD	MENIFEE CACA	CA	92584	25390 WALDON RD	MENIFEE	CA	92584
362-040-041	25420 WALDON RD	SUN CITY	CA	92584	25420 WALDON RD	MENIFEE	CA	92584
362-040-042	25452 WALDON RD	MENIFEE	CA	92584	25452 WALDON RD	MENIFEE	CA	92584
362-050-003	1729 W TANYA RD	PHOENIX	AZ	85086	N/AVAIL	MENIFEE	CA	92584
362-050-004	PO BOX 3731	TORRANCE	CA	90510	N/AVAIL	MENIFEE	CA	92584
362-050-005	31215 BYERS ST	MENIFEE	CA	92584	N/AVAIL	MENIFEE	CA	92584
362-050-006	25425 WALDON RD	SUN CITY	CA	92584	25425 WALDON RD	SUN CITY	CA	92584
362-050-007	25453 WALDON RD	MENIFEE	CA	92584	25453 WALDON RD	MENIFEE	CA	92584
362-050-008	25471 WALDON RD	SUN CITY	CA	92584	25471 WALDON RD	MENIFEE	CA	92584
362-050-010	PO BOX 3731	TORRANCE	CA	90510	N/AVAIL	MENIFEE	CA	92584
362-050-011	25420 BUNDY CANYON RD	MENIFEE	CA	92584	25420 BUNDY CANYON RD	MENIFEE	CA	92584
362-050-013	PO BOX 3731	TORRANCE	CA	90510	N/AVAIL	MENIFEE	CA	92584
362-050-014	25435 BUNDY CANYON RD	MENIFEE	CA	92584	25435 BUNDY CANYON RD	MENIFEE	CA	92584
362-060-001	25543 WALDON RD	SUN CITY	CA	92584	25543 WALDON RD	MENIFEE	CA	92584
362-280-011	21393 SILVER SPUR LN	WILDOMAR	CA	92595	25391 BUNDY CANYON RD	MENIFEE	CA	92584
362-280-012	33040 WRIGHT RD	MENIFEE	CA	92584	33040 WRIGHT RD	MENIFEE	CA	92584
362-280-016	24421 SAINT JAMES DR	MORENO VALLEY	CA	92553	N/AVAIL	MENIFEE	CA	92584

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
8/28/2009

APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_ST	SITE_ZIP
362-280-018	5175 VISTA MONTANA	YORBA LINDA	CA	92886	N/AVAIL	MENIFEE	CA	92584
362-430-014	W8247 COUNTY ROAD P	BROWNTOWN	WI	53522	N/AVAIL	MENIFEE	CA	92584
362-430-016	32255 BYERS ST	MENIFEE	CA	92584	32255 BYERS ST	MENIFEE	CA	92584
362-430-018	32385 BYERS ST	MENIFEE	CA	92584	32385 BYERS ST	MENIFEE	CA	92584
362-440-001	25735 GARBANI RD	MENIFEE	CA	92584	25735 GARBANI RD	MENIFEE	CA	92584
362-440-004	26982 BAKER CANYON RD	SILVERADO	CA	92676	N/AVAIL	N/AVAIL	CA	N/AVAIL
362-440-009	25576 BARNES LN	MENIFEE	CA	92584	25576 BARNES LN	MENIFEE	CA	92584
362-440-013	32224 BYERS ST	SUN CITY	CA	92584	32224 BYERS ST	MENIFEE	CA	92584
362-440-014	32249 MURRIETA RD	MENIFEE	CA	92584	32248 BYERS ST	MENIFEE	CA	92584
362-450-001	32280 BYERS ST	MENIFEE	CA	92584	32280 BYERS ST	MENIFEE	CA	92584
362-450-004	25540 ADJER ST	MENIFEE	CA	92584	25540 ADJER ST	MENIFEE	CA	92584
362-450-005	12708 STONEACRE AVE	LYNWOOD	CA	90262	N/AVAIL	MENIFEE	CA	92584
362-450-008	25560 WICKERD RD	SUN CITY	CA	92584	25560 WICKERD RD	MENIFEE	CA	92584
390-100-002	4080 LEMON ST 12TH	RIVERSIDE	CA	92501	N/AVAIL	PERRIS	CA	92570
390-110-007	3700 ANDREAS HILLS DR	PALM SPRINGS	CA	92264	N/AVAIL	N/AVAIL	CA	N/AVAIL
391-060-006	4080 LEMON ST 12TH	RIVERSIDE	CA	92501	N/AVAIL	PERRIS	CA	92570
391-120-009	37758 SILVER BREEZE CT	MURRIETA	CA	92563	N/AVAIL	CORONA	CA	N/AVAIL
391-120-010	37758 SILVER BREEZE CT	MURRIETA	CA	92563	14800 CONCORDIA RANCH RD	LAKE ELSINORE	CA	92530
391-120-011	6349 RIVERSIDE AVE	RIVERSIDE	CA	92506	N/AVAIL	CORONA	CA	N/AVAIL
391-120-012	2550 S SANTA FE AVE	VISTA	CA	92084	14740 HWY 71	LAKE ELSINORE	CA	92532
391-120-023	591 MOUNT HUNTER WAY	BOULDER CITY	NV	89005	N/AVAIL	CORONA	CA	N/AVAIL
391-120-026	2262 SALT AIR DR	SANTA ANA	CA	92705	N/AVAIL	N/AVAIL	CA	N/AVAIL
391-160-021	591 MOUNT HUNTER WAY	BOULDER CITY	NV	89005	N/AVAIL	CORONA	CA	N/AVAIL
391-160-022	600 JOHN ST	MANHATTAN BEACH	CA	90266	N/AVAIL	CORONA	CA	N/AVAIL
391-110-006	1136 HUMMINGBIRD LN	CORONA	CA	92882	N/AVAIL	N/AVAIL	CA	N/AVAIL
391-110-007	1136 HUMMINGBIRD LN	CORONA	CA	92882	13600 HWY 71	CORONA	CA	92881
391-110-022	PO BOX 3000	LAKE ELSINORE	CA	92531	N/AVAIL	N/AVAIL	CA	N/AVAIL
391-120-002	2262 SALT AIR DR	SANTA ANA	CA	92705	14114 TEMESCAL CANYON RD	CORONA	CA	92883
391-120-003	14016 TEMESCAL CANYON RD	CORONA	CA	92883	14116 HWY 71	LAKE ELSINORE	CA	92530
391-120-015	PO BOX 3000	LAKE ELSINORE	CA	92531	N/AVAIL	CORONA	CA	N/AVAIL
391-120-016	14116 TEMESCAL CANYON RD	CORONA	CA	92883	14116 HWY 71	PERRIS	CA	92570
391-120-017	512 CHANEY ST	LAKE ELSINORE	CA	92530	N/AVAIL	CORONA	CA	N/AVAIL
391-120-018	856 HARNESS LN	NORCO	CA	92860	N/AVAIL	CORONA	CA	N/AVAIL
391-120-022	2262 SALT AIR DR	SANTA ANA	CA	92705	N/AVAIL	CORONA	CA	N/AVAIL
391-120-023	591 MOUNT HUNTER WAY	BOULDER CITY	NV	89005	N/AVAIL	CORONA	CA	N/AVAIL
391-120-024	2262 SALT AIR DR	SANTA ANA	CA	92705	N/AVAIL	CORONA	CA	N/AVAIL
391-120-026	2262 SALT AIR DR	SANTA ANA	CA	92705	N/AVAIL	N/AVAIL	CA	N/AVAIL
391-150-027	2801 HARBOR VIEW DR	CORONA DEL MAR	CA	92625	14221 TEMESCAL CANYON RD	CORONA	CA	92883
391-160-021	591 MOUNT HUNTER WAY	BOULDER CITY	NV	89005	N/AVAIL	CORONA	CA	N/AVAIL
391-160-022	600 JOHN ST	MANHATTAN BEACH	CA	90266	N/AVAIL	CORONA	CA	N/AVAIL
391-480-015	3133 MISSION INN AVE	RIVERSIDE	CA	92507	N/AVAIL	CORONA	CA	92532
391-480-016	23622 CALABASAS RD 149	CALABASAS	CA	91302	N/AVAIL	CORONA	CA	92883
391-480-018	23622 CALABASAS RD 149	CALABASAS	CA	91302	N/AVAIL	CORONA	CA	N/AVAIL
330-210-010	25955 FLOYD AVE	SUN CITY	CA	92585	26399 MURRIETA RD	SUN CITY	CA	92585
330-210-013	25955 FLOYD AVE	SUN CITY	CA	92585	26429 MURRIETA RD	SUN CITY	CA	92585
330-210-061	14799 CHESTNUT ST	WESTMINSTER	CA	92683	N/AVAIL	SUN CITY	CA	92585
330-280-013	26566 CALLE GREGORIO	SUN CITY	CA	92585	26566 CALLE GREGORIO	ROMOLAND	CA	92585
330-280-014	26556 CALLE GREGORIO	ROMOLAND	CA	92585	26556 CALLE GREGORIO	ROMOLAND	CA	92585
330-280-015	26548 CALLE GREGORIO	SUN CITY	CA	92585	26548 CALLE GREGORIO	ROMOLAND	CA	92585
330-280-016	26538 CALLE GREGORIO	ROMOLAND	CA	92585	26538 CALLE GREGORIO	ROMOLAND	CA	92585
330-280-017	26530 CALLE GREGORIO	SUN CITY	CA	92585	26530 CALLE GREGORIO	ROMOLAND	CA	92585
330-280-018	25970 CAMINO JUAREZ	ROMOLAND	CA	92585	25970 CAMINO JUAREZ	ROMOLAND	CA	92585
330-280-019	25960 CAMINO JUAREZ	SUN CITY	CA	92585	25960 CAMINO JUAREZ	ROMOLAND	CA	92585
330-280-020	25950 CAMINO JUAREZ	SUN CITY	CA	92585	25950 CAMINO JUAREZ	ROMOLAND	CA	92585
330-280-021	25940 CAMINO JUAREZ	ROMOLAND	CA	92585	25940 CAMINO JUAREZ	ROMOLAND	CA	92585
330-280-034	25945 CAMINO JUAREZ	ROMOLAND	CA	92585	25945 CAMINO JUAREZ	ROMOLAND	CA	92585
330-280-035	25955 CAMINO JUAREZ	SUN CITY	CA	92585	25955 CAMINO JUAREZ	ROMOLAND	CA	92585
330-280-036	25965 CAMINO JUAREZ	SUN CITY	CA	92585	25965 CAMINO JUAREZ	ROMOLAND	CA	92585

SOURCE: LAND VISION

ALBERHILL SYSTEM PROJECT
300' OWNERSHIP LIST
8/28/2009

APN	OWNER_ADDRESS	OWNER_CITY	OWNER_S	OWNER_Z	SITE_ADDRESS	SITE_CITY	SITE_S	SITE_ZIP
330-280-046	26681 CALLE GREGORIO	SUN CITY	CA	92585	N/AVAIL	SUN CITY	CA	92585
330-280-047	26681 CALLE GREGORIO	SUN CITY	CA	92585	N/AVAIL	SUN CITY	CA	92585
331-020-005	3228 LONG LAKE DR SE	OLYMPIA	WA	98503	N/AVAIL	SUN CITY	CA	92585
331-020-015	14799 CHESTNUT ST	WESTMINSTER	CA	92683	N/AVAIL	SUN CITY	CA	92585
331-040-055	26510 MURRIETA RD	ROMOLAND	CA	92585	26510 MURRIETA RD	ROMOLAND	CA	92585
331-040-056	286 NUEVO RD	PERRIS	CA	92571	26125 MCLAUGHLIN RD	ROMOLAND	CA	92585
331-040-060	26012 NOVA LN	SUN CITY	CA	92585	26012 NOVA LN	SUN CITY	CA	92585

SOURCE: LAND VISION

Appendix L

APPENDIX L

Edison holds open house Wednesday on project
TRANSMISSION SUBSTATION IS PLANNED IN ALBERHILL

MICHAEL J. WILLIAMS - mwilliams@californian.com | Posted: Saturday, August 22, 2009 4:55 pm | No Comments Posted

While the stagnant economy has put the reins on growth in this region, Southern California Edison is going forward with a plan to augment power supplies along the Interstate 15 corridor from Wildomar to Temescal Valley in anticipation of future population growth.

The proposed Alberhill System Project includes the construction of a transmission substation on the east side of Interstate 15 just beyond the city limit. The site is near Temescal Canyon Road, where it passes under the freeway and not far from the Alberhill Ranch subdivision.

Two 500-kilovolt transmission lines would feed into the station. A 115-kilovolt subtransmission line would connect the station with distribution substations, creating the Alberhill electrical system.

Substations are links in the electricity distribution chain. High voltage is needed to transfer electricity from a generating facility over long distances to serve customers. That voltage then has to be reduced at a substation to a level that can be used by consumers for their needs, such as powering lights, computers, televisions and other devices.

While substations do not produce electricity, they make it usable by homes and businesses. The more substations there are, the more electricity can be converted for customer use. That relieves stress on the system, which is particularly important in periods of heavy use.
Edison officials said they hope to have the system running by 2014. Then, it would take over the transmission load for the I-15 corridor between Corona and Murrieta that is now being handled by a substation in Romoland.

"The only (transmission) substation serving that area now is the Valley substation at Highway 74 and Menifee Road," said Edison Project Manager Ted Heath. "Alberhill (substation) is needed to create a new system to handle the demand along the I-15 corridor."

The Alberhill system would distribute power to Lake Elsinore, Menifee, Wildomar and Canyon Lake as well as the unincorporated Temescal Valley and other areas near I-15, said Edison spokesman Viet Tran.

The company has scheduled an open house next week so the public can get a glimpse of the proposal. The event is scheduled from 4:30 to 7:30 p.m. Wednesday at the Lake Elsinore Cultural Center, 183 N. Main St.

Planning for the Alberhill system comes as the power company is going forward with the proposed Fogarty distribution substation that would be built on 2.5 acres in northern Lake Elsinore and a 115-kilovolt subtransmission line that would run between Valley site and the

Ivyglen distribution substation in Glen Ivy Hot Springs, spanning about 25 miles. The projects are expected to go before the state Public Utilities Commission for approval in the near future. Fogarty, a 115-kilovolt distribute substation that would transmit power into neighborhoods, is designed to meet more immediate needs in and around Lake Elsinore. There, the system's capacity will be maxed out by the demand within the next couple of years, escalating the possibility of blackouts, officials say.

Once Alberhill is operating, it would send electricity to five distribution substations ---- Ivy Glen, Fogarty, Elsinore near Main Street in Lake Elsinore, Skylark at the Wildomar/Lake Elsinore border and Newcomb in Menifee.
"It creates more flexibility to minimize the possibility of outages during normal and emergency conditions," Tran said.

If the project proceeds as planned, Edison will file an application for the Alberhill project with the Public Utilities Commission this fall. Edison officials estimate it would probably take two years before the project would come to a vote by the commission.

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Alberhill System Project
2244 Walnut Grove Avenue
GO1 Quad 4C 474B
Rosemead, CA 91770

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INDUSTRY CA
PERMIT 4029

PROJECT OPEN HOUSE
Wednesday, August 26, 2009

OPEN IMMEDIATELY

Important information concerning a proposed Southern California Edison Company project in your area

PRINTED ON RECYCLED PAPER

Project Open House

Public outreach and communications are critical elements of SCE's planning process.

SCE is hosting an open house to share information regarding the Alberhill System Project. The public is invited and welcome to attend to learn more about the project, ask questions and submit comments.

ALBERHILL SYSTEM PROJECT OPEN HOUSE
Wednesday, August 26, 2009
4:30 – 7:30 pm
Lake Elsinore
Cultural Arts Center
183 North Main Street
Lake Elsinore, CA 92530

Important information concerning a proposed Southern California Edison project in your area.



Alberhill System Project

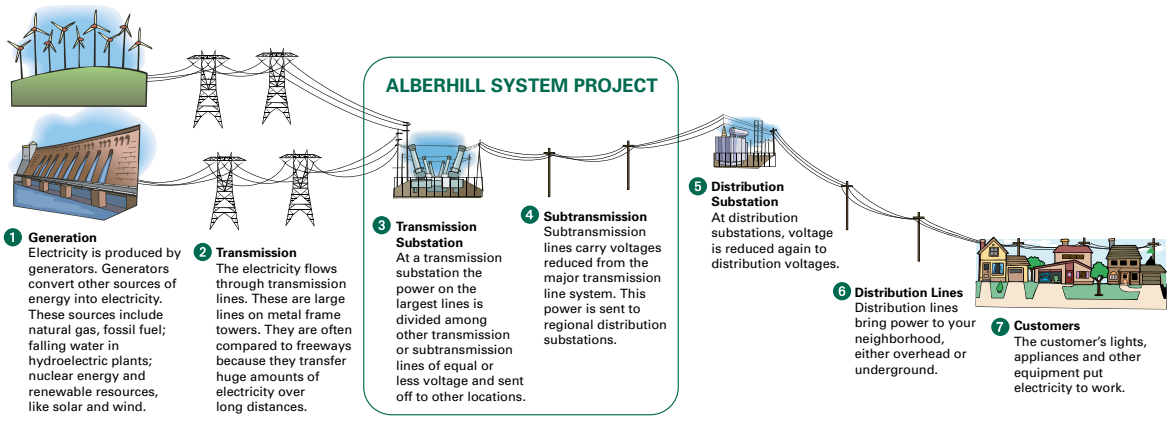
SCE is proposing the Alberhill System Project to help meet increased electrical demand in the region, strengthen the area's electrical grid, and allow SCE to maintain safe, reliable electrical service. The major components of the project include a new 500/115 kilovolt (kV) transmission substation, two new 500kV line segments, a new 115 kV subtransmission line, and modifications to existing subtransmission lines. The project will serve the communities of Lake Elsinore, Menifee, Wildomar, Canyon Lake, and adjacent unincorporated areas of Riverside County, including the Temescal Valley.

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Leading the Way in Electricity℠

The Path of Electricity

The information below shows how the specific SCE project being proposed fits into the bigger picture of the delivery of electricity.



1 Generation
Electricity is produced by generators. Generators convert other sources of energy into electricity. These sources include natural gas, fossil fuel; falling water in hydroelectric plants; nuclear energy and renewable resources, like solar and wind.

2 Transmission
The electricity flows through transmission lines. These are large lines on metal frame towers. They are often compared to freeways because they transfer huge amounts of electricity over long distances.

3 Transmission Substation
At a transmission substation the power on the largest lines is divided among other transmission or subtransmission lines of equal or less voltage and sent off to other locations.

4 Subtransmission
Subtransmission lines carry voltages reduced from the major transmission line system. This power is sent to regional distribution substations.

5 Distribution Substation
At distribution substations, voltage is reduced again to distribution voltages.

6 Distribution Lines
Distribution lines bring power to your neighborhood, either overhead or underground.

7 Customers
The customer's lights, appliances and other equipment put electricity to work.



Alberhill System Project

August 2009

Project Need: Meeting the Region's Growing Demand for Electricity

Demand for electricity in the Western Riverside County area continues to grow and could soon exceed the capacity of SCE's local and regional electric system. The increased demand is due, in part, to growth in existing customer demand, and in part, to planned new development projects in the region. SCE projects that its electrical facilities in the area could reach full capacity by 2011. SCE's existing facilities do not have the capacity to handle the increased demand and load growth. SCE is proposing the Alberhill System Project to meet growing demand, improve service reliability and operational flexibility by providing the ability to transfer load between substations.

Project Description

The proposed Alberhill System Project will include:

(1) constructing a new 500/115 kilovolt (kV) transmission substation (Alberhill Substation)
(2) connecting SCE's existing Serrano-Valley 500 kV transmission line into the new Alberhill Substation with two new 500 kV line segments
(3) constructing a new 115 kV subtransmission line and modifications to existing 115 kV subtransmission lines
(4) installing telecommunications improvements to connect the new facilities to SCE's telecommunication network.

Upon project completion, electricity from five distribution substations (Fogarty, Elsinore, Ivyglen, Newcomb, and Skylark substations) will be transferred to the new Alberhill Substation to form the new Alberhill System.

For More Information

For more information on the project, visit ***www.sce.com/alberhill***

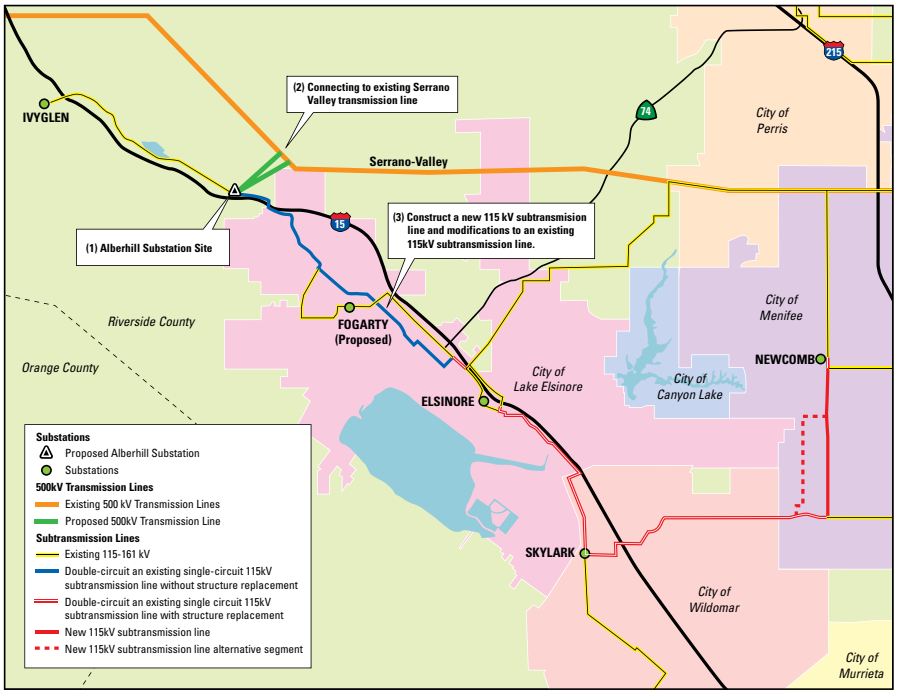
If you have questions or comments about the project, or would like to be added to the project mailing list, please contact:

General Information Line
(866) 785-7057

For Unincorporated Riverside County:
Louis Davis
SCE Region Manager
(951) 249-8468
Louis.Davis@sce.com

For Lake Elsinore, Wildomar & Canyon Lake:
Viet N. Tran
SCE Region Manager
(951) 249-8466
Viet.Tran@sce.com

For Menifee:
Raymond Hicks
SCE Region Manager
(951) 928-8238
Raymond.Hicks@sce.com



About Southern California Edison

An Edison International (NYSE:EIX) company, Southern California Edison is one of the nation's largest electric utilities, serving a population of nearly 14 million via 4.9 million customer accounts in a 50,000-square-mile service area within Central, Coastal and Southern California. SCE's extensive transmission and distribution system covers more than 120,000 miles.

The Alberhill System Project is part of SCE's investment of approximately $20 billion over the next five years to expand and renew essential distribution and transmission grids in SCE's service territory, making the power grid greener and smarter for its customers.

SCE in the Community

SCE has deep roots in the region, and the nature of its business ensures it will remain here now and in the future. The company has a long-standing tradition of supporting the communities it serves through corporate and employee giving programs. SCE also supports education through student scholarships and grants to educational institutions.

Anticipated Project Schedule

Summer 2009	Fall 2009	Fall 2011	2014
SCE will hold a Project Open House	SCE will file project application with California Public Utilities Commission (CPUC)	CPUC decision is expected	Proposed In-Service Date

Project Approval Process

The proposed project falls within the jurisdiction of the California Public Utilities Commission (CPUC), which is the state regulatory agency that sets electricity rates and issues permits for the construction of certain electric facilities. Following completion of project planning activities, which will include discussions with area residents, landowners, government officials and other parties, SCE will submit an application to the CPUC requesting approval to construct the project. SCE's application will include a Proponent's Environmental Assessment (PEA), which will evaluate the environmental impacts of the project.

The CPUC will review the project in compliance with the requirements of the California Environmental Quality Act. The CPUC review process will include opportunities for public comment. After the CPUC completes its environmental review, the CPUC will issue an environmental document (Environmental Impact Report or Mitigated Negative Declaration). The CPUC will then issue a decision regarding SCE's application to approve the project as filed, approve the project with modifications, or deny the project.

For more information on the CPUC's regulatory process, please visit the CPUC's website at ***www.cpuc.ca.gov***.

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OPEN HOUSE

Southern California Edison Company (SCE) invites you to attend an open house for the Alberhill System Project. The purpose of the open house is to provide project specific information and answer questions that you may have. The project team will have project maps and other materials available for viewing. Please plan to attend the open house listed below.

ALBERHILL SYSTEM PROJECT OPEN HOUSE

Wednesday, August 26, 2009

4:30 – 7:30 pm

Lake Elsinore Cultural Arts Center
183 North Main Street
Lake Elsinore, CA 92530

Questions?

Toll-Free Information Line: (866) 785-7057
Website: www.sce.com/alberhill

About the Project

SCE is proposing the Alberhill System Project to help meet electrical demand in the region, strengthen the area's electrical grid, and allow SCE to maintain safe, reliable electrical service in the region. The project will primarily consist of a new 500/115 kilovolt transmission substation, a new 115 kV subtransmission line and modifying existing transmission lines utilizing mostly existing rights-of-way. The project will serve the communities of Lake Elsinore, Menifee, Wildomar, and other adjacent unincorporated areas of Riverside County including the Temescal Valley.

OPEN HOUSE

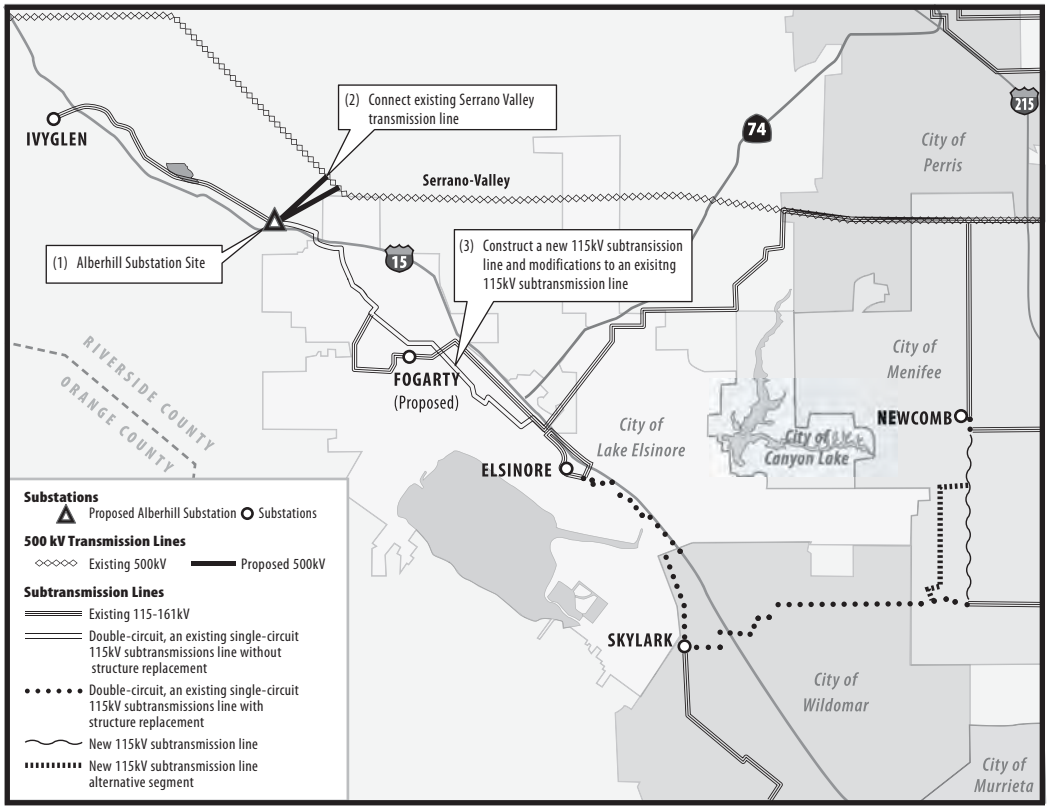
Alberhill System Project

Southern California Edison Company (SCE) invites you to attend an open house for the Alberhill System Project. The open house is to provide project specific information and answer questions that you may have. Project maps and other materials will be available for viewing.

Wednesday, August 26, 2009 — 4:30-7:30 p.m.

Lake Elsinore Cultural Arts Center — 183 North Main Street, Lake Elsinore, CA 92530

About the Project — SCE is proposing the Alberhill System Project to help meet increased electrical demand in the region, strengthen the area's electrical grid, and allow SCE to maintain safe, reliable electrical service. The major components of the project include a new 500/115 kilovolt (kV) transmission substation, two new 500kV line segments, a new 115kV subtransmission line, and modifications to existing subtransmission lines. The project will serve the communities of Lake Elsinore, Menifee, Wildomar, Canyon Lake, and adjacent unincorporated areas of Riverside County, including the Temescal Valley.



Questions?

Toll-Free Information Line: **(866) 785-7057**
Website: **www.sce.com/alberhill**

Unincorporated Riverside County: **Louis Davis (951) 249-8468**
Lake Elsinore, Wildomar & Canyon Lake: **Viet N. Tran (951) 249-8466**
Menifee: **Raymond Hicks (951) 928-8238**

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WELCOME

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Alberhill System Project

OPEN HOUSE

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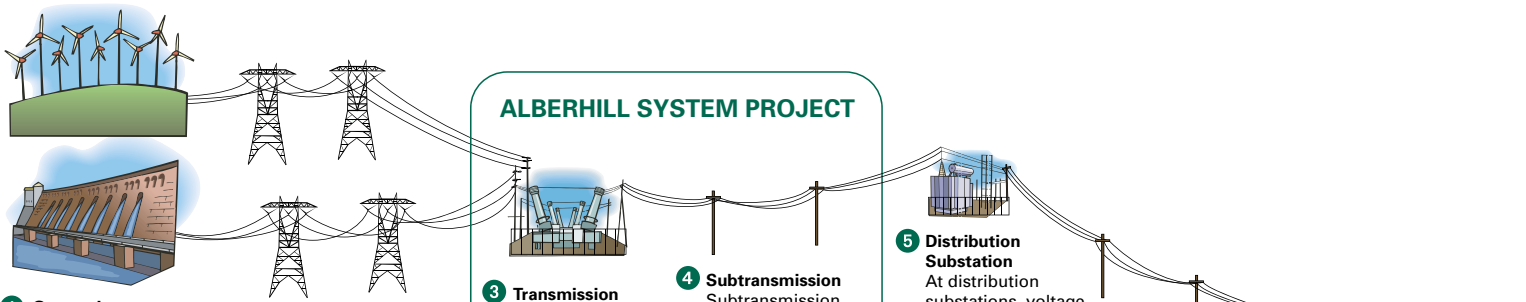
Welcome to SCE's Open House
How is the open house organized?

- This open house is designed to provide you with information on SCE's project and to answer your questions.
- The open house is informal — feel free to move around the room at your own pace and talk with the project team about any issues or questions you may have.
- Each topic table represents an issue or question that we thought you may want to know more about.
- We welcome your comments and questions. Comment cards are available at the comments table.

Project Overview

- SCE is proposing the Alberhill System Project to meet the growing demand, improve reliability and improve operational flexibility by providing the ability to transfer load between substations.
- The proposed Alberhill System Project will include:
  (1) constructing a new 500/115 kilovolt (kV) transmission substation (Alberhill Substation)
  (2) connecting SCE's existing Serrano-Valley 500 kV transmission line into the new Alberhill Substation with two new 500 kV line segments
  (3) constructing a new 115 kV subtransmission line and modifications to existing 115 kV subtransmission lines
  (4) installing telecommunications improvements to connect the new facilities to SCE's telecommunication network.
- Upon project completion, electricity from five distribution substations (Fogarty, Elsinore, Ivyglen, Newcomb, and Skylark substations) will be transferred to the new Alberhill Substation to form the new Alberhill System.

Path of Electricity



1 Generation
Electricity is produced by generators. Generators convert other sources of energy into electricity. These sources include natural gas, fossil fuel; falling water in hydroelectric plants; nuclear energy and renewable resources, like solar and wind.

2 Transmission
The electricity flows through transmission lines. These are large lines on metal frame towers. They are often compared to freeways because they transfer huge amounts of electricity over long distances.

3 Transmission Substation
At a transmission substation the power on the largest lines is divided among other transmission or subtransmission lines of equal or less voltage and sent off to other locations.

4 Subtransmission
Subtransmission lines carry voltages reduced from the major transmission line system. This power is sent to regional distribution substations.

5 Distribution Substation
At distribution substations, voltage is reduced again to distribution voltages.

6 Distribution Lines
Distribution lines bring power to your neighborhood, either overhead or underground.

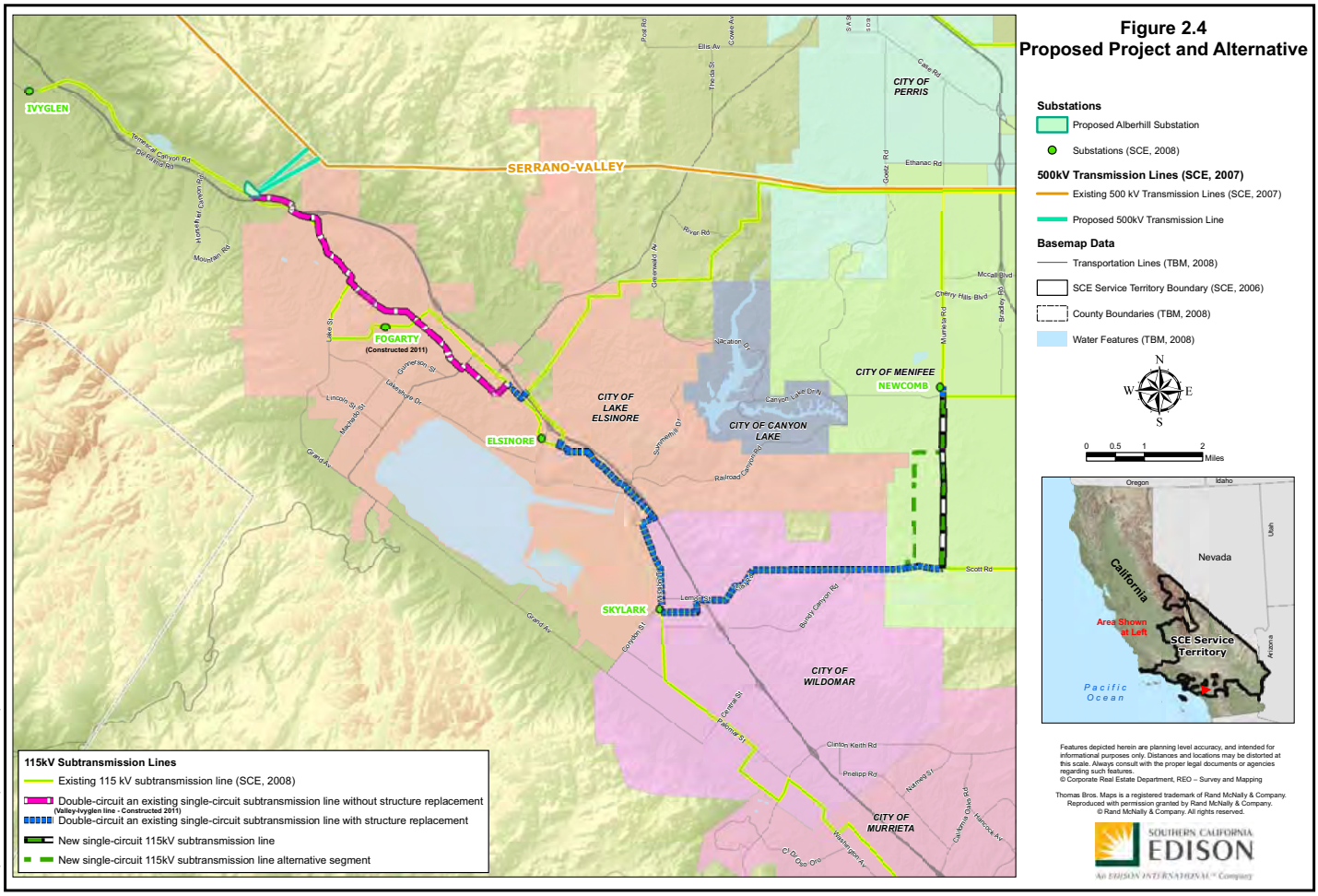
7 Customers
The customer's lights, appliances and other equipment put electricity to work.

Project Benefits

The Alberhill System Project would:

- Allow SCE to increase its capacity to deliver electricity from SCE's electrical grid, maintain and improve system reliability and serve the projected increase in electrical demand.
- Relieve projected overload conditions at SCE's existing substation facilities in the area.
- Provide new facilities that will help minimize the likelihood of unanticipated service interruptions and provide SCE with enhanced operational flexibility during periods of peak customer demand.

Alberhill System Project



Major Transmission Projects - Alberhill Sub Project

Figure 2.4
Proposed Project and Alternative

Substations
- Proposed Alberhill Substation
- Substations (SCE, 2008)

500kV Transmission Lines (SCE, 2007)
- Existing 500 kV Transmission Lines (SCE, 2007)
- Proposed 500kV Transmission Line

Basemap Data
- Transportation Lines (TBM, 2008)
- SCE Service Territory Boundary (SCE, 2006)
- County Boundaries (TBM, 2008)
- Water Features (TBM, 2008)

N W E S

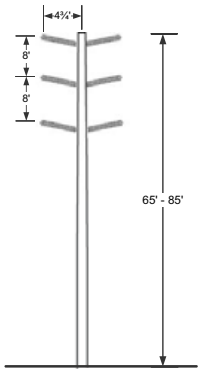
0 0.5 1 2 Miles

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

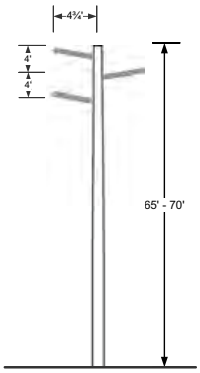
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SOUTHERN CALIFORNIA EDISON
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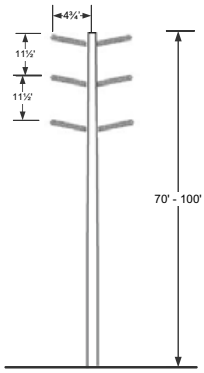
Typical Pole Designs



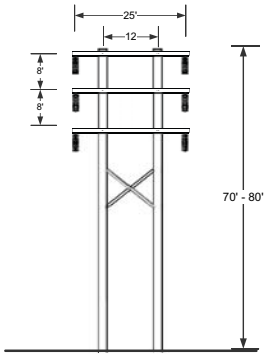
Lightweight
Steel Pole
(Double Circuit)



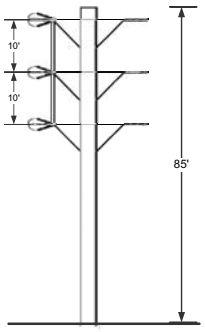
Lightweight
Steel Pole
(Single Circuit)



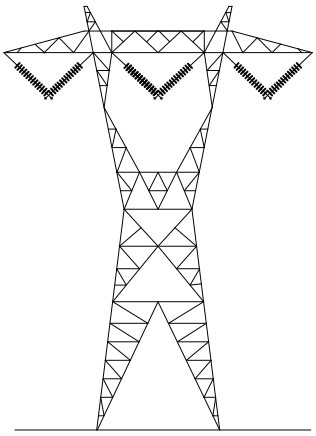
Tubular
Steel Pole
(Double Circuit)



H-Frame
(Double Circuit)



Switch Pole
(Double Circuit)



TYPICAL 500 KILOVOLT
SINGLE-CIRCUIT STRUCTURE

How Does SCE Determine New Facilities Are Required?

- Electric system facilities have capacity limitations. When current and projected demand for electricity outpaces the capacity of the existing infrastructure, SCE proposes a project to increase system capacity. The proposed project is designed to maintain safe, reliable, and adequate service to existing and new customers.
- Once the need for a new project is identified, SCE commences a multi-step planning process to ensure the development of appropriate system facilities is undertaken in time to meet the projected increases in electrical demand:
  - Peak demand forecasts are developed using available and projected demographic and economic information. SCE takes the following information into consideration:
    - Historical trends
    - New development built or under construction
    - City and County-approved projects and General Plans
    - Existing and forecasted customer demand (residential & commercial)
  - Technical engineering studies are conducted to determine whether forecasted demand can be accommodated utilizing existing facilities.
  - If technical studies indicate that projected long-term demand cannot be met by utilizing or expanding existing facilities, SCE begins a detailed process to site and construct a new substation to serve local electrical needs.

Substation Siting

SCE considers several criteria during its siting process, including electrical system needs, natural and cultural resources, visual impacts, and environmental impacts, as well as complying with safety, reliability and construction standards that are required of electric utility companies in California.

Requirements to Meet Project Need

- Sufficient parcel size
- Generally square shape
- Proximity to existing power lines
- Proximity to load
- Access for construction & operations

CEQA Compliance

- Flooding & erosion potential
- Water bodies & wildlife habitats
- Seismic Considerations
- Protected biological & cultural resources
- Important viewsheds and pristine visual environments

Local Community Information

- Locally-valued places
- Community priorities
- Land use plans, policies and projects
- Residential areas, schools, childcare centers, and hospitals

Design & Construction Factors

- Drainage patterns on or near the site
- Existing facilities on the site requiring removal in order to build
- Future road improvement plans impacting substation placement

When impacts cannot be avoided, they can often be mitigated. When evaluating the suitability of substation sites, SCE also considers the mitigation potential of different site locations.

Transmission/Subtransmission Line Routing

Once SCE has identified a proposed site for the substation based on the previously listed factors, SCE completes a similar screening process to identify line routes.

Potential routes are identified based on the following:

- Existing overhead utility rights-of-way and facilities
- Accessibility for construction and operations
- Visual impacts
- Total distance

Environmental evaluation includes, but is not limited to:

- Flooding and erosion potential
- Residential areas, schools, childcare centers, and hospitals
- Water bodies and wildlife habitats
- Fault rupture hazard zones, areas of liquefaction potential and major landslides
- Biological and cultural resources

When impacts cannot be avoided, they can often be mitigated. When evaluating the suitability of line routes to the substation, SCE also considers the mitigation potential of different route locations.

Anticipated Project Timeline

Summer 2009	SCE will hold a Project Open House
Fall 2009	SCE will file project application with California Public Utilities Commission (CPUC)
Fall 2011	CPUC decision is expected
2014	Proposed In-Service Date

California Public Utilities Commission (CPUC) Approval Process

- The proposed project falls within the jurisdiction of the CPUC, which is the state regulatory agency that sets electricity rates and issues permits for the construction of certain electric facilities.
- Following completion of project planning activities, which will include discussions with area residents, landowners, government officials and other parties, SCE will submit an application to the CPUC requesting approval to construct the project.
- SCE's application will include a Proponent's Environmental Assessment (PEA), which will evaluate the environmental impacts of the project.
- The CPUC will review the project in compliance with the requirements of the California Environmental Quality Act (CEQA). The CPUC review process will include opportunities for public comment.
- After the CPUC completes its environmental review, the CPUC will issue an environmental document (Environmental Impact Report or Mitigated Negative Declaration). The CPUC will then issue a decision regarding SCE's application to either approve the project as filed, approve the project with modifications, or deny the project.

CPUC Website: www.cpuc.ca.gov
CPUC Public Advisor: 866-849-8390 (San Francisco Office)
866-849-8391 (Los Angeles Office)

How Does SCE Minimize Environmental Impacts?

- Identifies and avoids sensitive biological resources and cultural resource sites wherever possible
- Uses existing roads and rights-of-way wherever possible
- Schedules construction activities to avoid critical lifecycles for sensitive species
- Uses construction techniques (best management practices) that minimize environmental impacts
- Utilizes on-site biological/archaeological monitors in sensitive areas
- Provides environmental training for all workers



Right-of-Way Acquisition Process After CPUC Approval

- Determine extent of required right-of-way to be acquired
- Survey/Title/Mapping/Document preparation
  - Preliminary title reports obtained
  - Grants of easement proposed (easement rights obtained include the right for construction, maintenance, and access)
- Appraisal process to value right-of-way completed
- State-certified appraiser (determines estimate of fair market value for the easement)
- Meet and negotiate with property owners
- Acquire easement from property owner
- Full payment made to property owner

How Does SCE Minimize Construction Impacts?

SCE will work with local officials, residents, and businesses to minimize the impacts of this project. Specifically, SCE will:

- Comply with all applicable local ordinances and regulations, including dust control, noise abatement, and other environmental measures.
- Provide prior notification to affected property owners of construction activities, including information on street closures and other activities that could temporarily limit access for area residents.
- Provide residents and local businesses with contact information for SCE personnel who are available to answer questions that may arise during construction.
- Ensure the safety and security of all construction activities. Construction equipment will be removed or secured during non-working hours; open holes and potential hazards will be covered and marked.

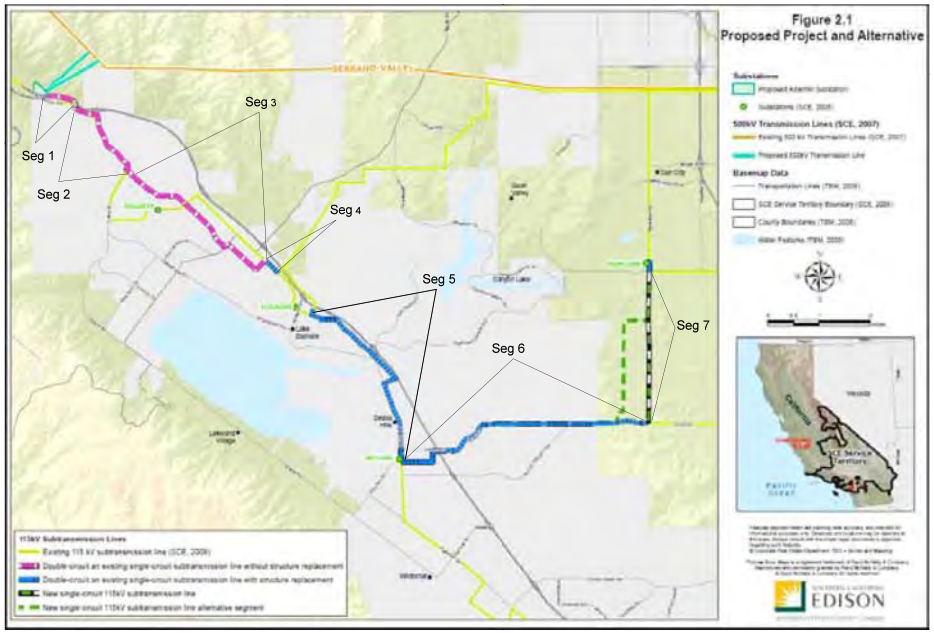
What Are Electric And Magnetic Fields (EMF)?

- *Electric and magnetic fields (EMF) are invisible lines of force that surround any electrical device.* Power lines, electrical wiring, appliances and electrical equipment all produce EMF. The strength of these fields decreases rapidly with distance from the EMF source.
- The California Public Utilities Commission (CPUC) requires SCE to utilize no-cost and low-cost measures in the design of new facilities as a precautionary-based EMF policy to reduce public exposure to EMF.
- In accordance with "EMF Design Guidelines" filed with the CPUC in compliance with CPUC Decisions 93-11-013 and 06-01-042, the following no-cost and low-cost magnetic field reduction measures will be considered for this project:
  - Utilize pole heights that meet or exceed the Preferred Design criteria specified in SCE's EMF Design Guidelines
  - Utilize a compact pole-head design to reduce magnetic field
  - Arrange phase wire positions to reduce magnetic field strength
  - Place major substation electrical components (such as transformers, switch-racks, buses, and distribution underground duct banks) away from the substation fence or property line as specified in SCE EMF Design Guidelines

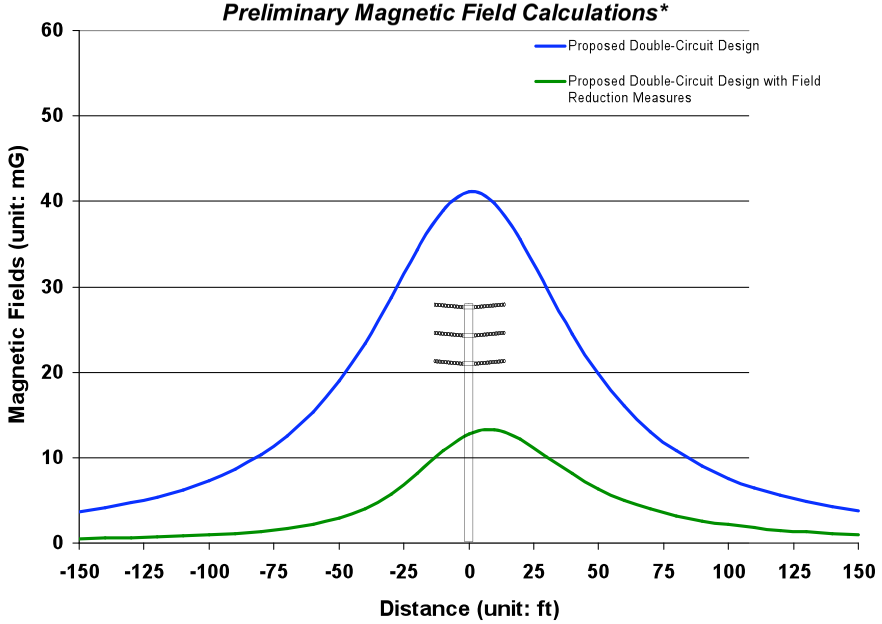
Notes about the Magnetic Field Graphs

- The magnetic field graphs are only intended to show relative differences in magnetic field levels between the existing design and proposed subtransmission design under a specific set of modeling assumptions.
- The magnetic field graphs are not intended to predict actual magnetic field levels at any given time or at any specific location because magnetic fields vary with time. The magnetic fields will continuously vary with customer electricity usage, load growth and other factors beyond SCE's control.
- By implementing appropriate no-cost and low-cost magnetic field reduction measures, SCE attempts to reduce magnetic fields to levels lower than they would be if SCE had not considered various magnetic field reduction measures.
- All magnetic field graphs are based upon preliminary engineering designs; therefore, they are subject to change.

Alberhill System Project
115 kV Subtransmission Magnetic Field Model Segments

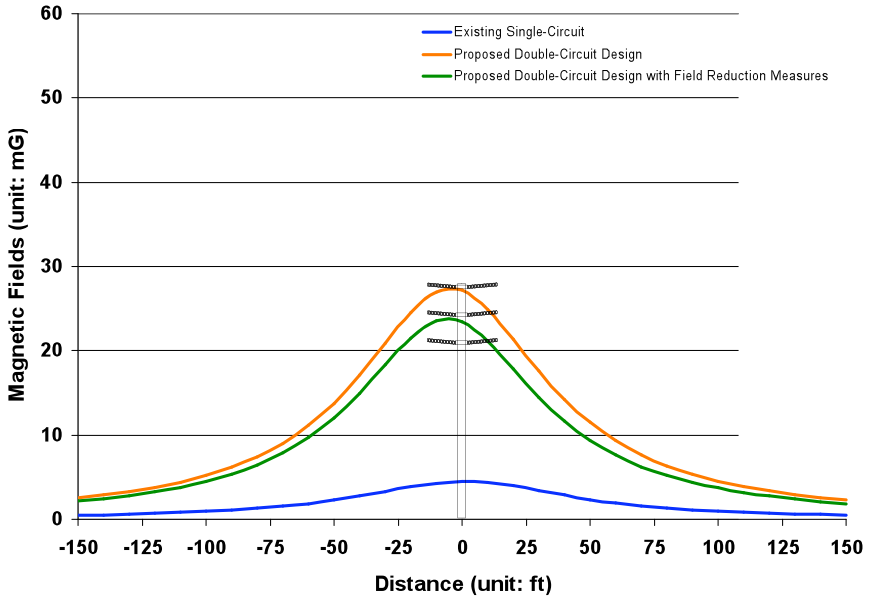


Proposed 115 kV Subtransmission Line – Segment 3
*Preliminary Magnetic Field Calculations**



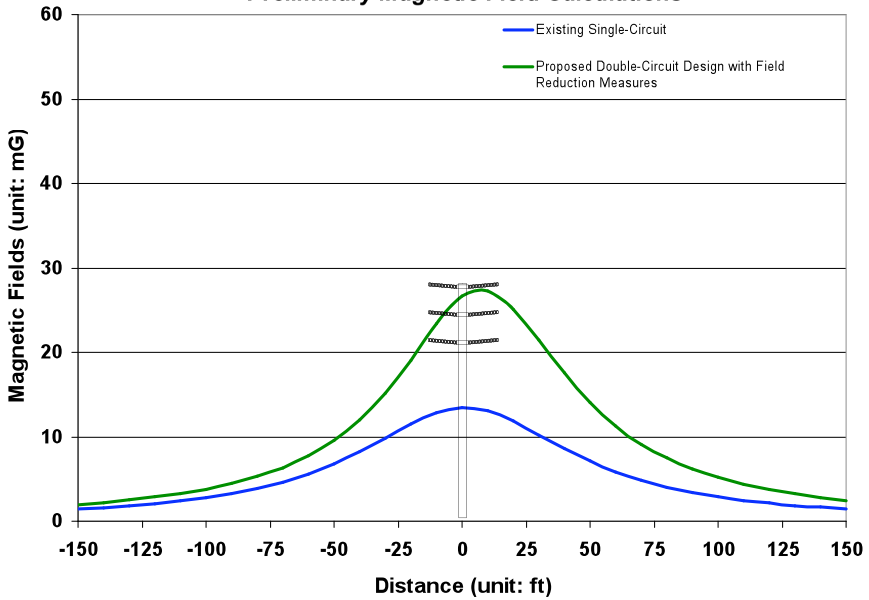
*** This magnetic field graph is not intended to predict actual magnetic field levels at any given time or at any specific location because magnetic fields vary with time.**

Proposed 115 kV Subtransmission Line – Segment 5
Preliminary Magnetic Field Calculations*



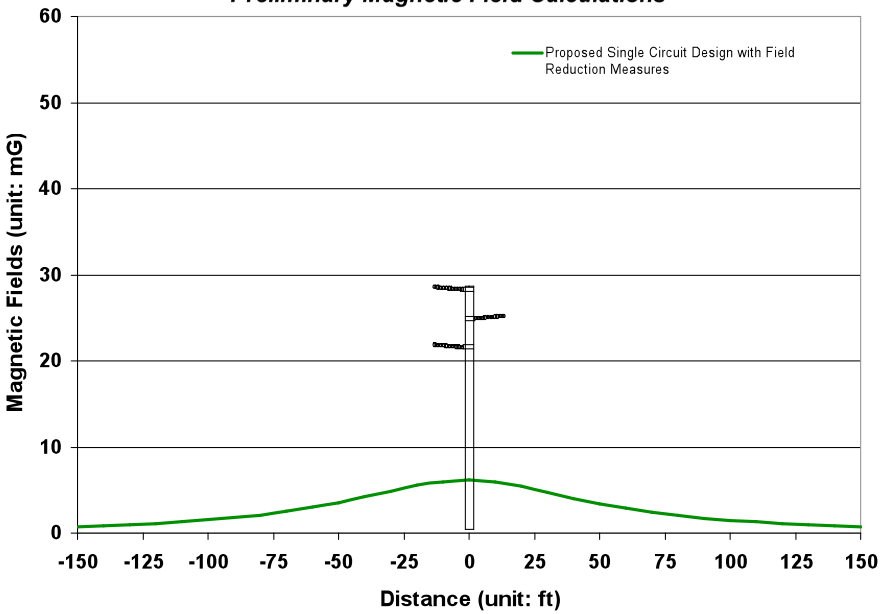
*** This magnetic field graph is not intended to predict actual magnetic field levels at any given time or at any specific location because magnetic fields vary with time.**

Proposed 115 kV Subtransmission Line – Segment 6
Preliminary Magnetic Field Calculations*



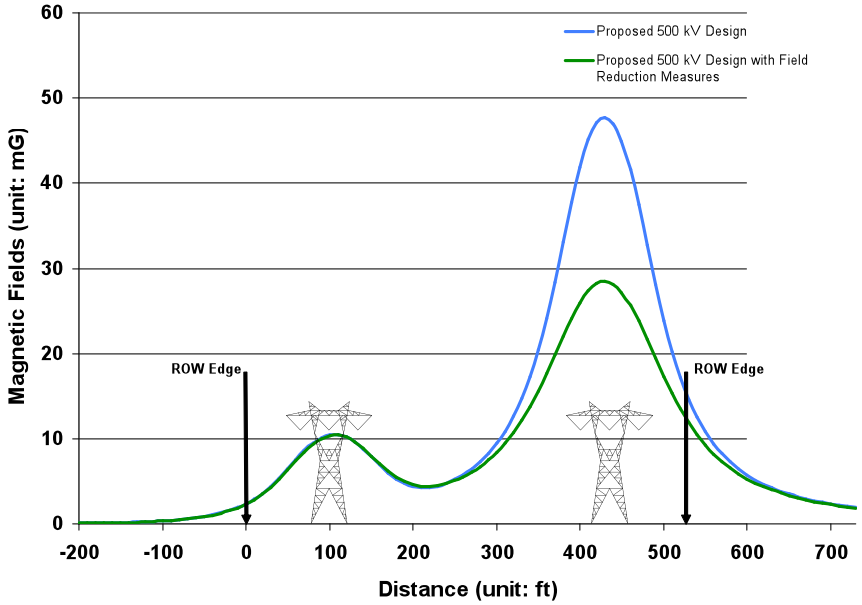
*** This magnetic field graph is not intended to predict actual magnetic field levels at any given time or at any specific location because magnetic fields vary with time.**

Proposed 115 kV Subtransmission Line – Segment 7
Preliminary Magnetic Field Calculations*



* This magnetic field graph is not intended to predict actual magnetic field levels at any given time or at any specific location because magnetic fields vary with time.

Alberhill System Project – Proposed 500 kV Transmission Line
Preliminary Magnetic Field Calculations*



* This magnetic field graph is not intended to predict actual magnetic field levels at any given time or at any specific location because magnetic fields vary with time.

Before You Leave

- If you have additional questions or desire additional information, please fill out a comment card.
- If you did not receive a project fact sheet in the mail, and would like to receive written project information, please complete the project mailing list section on the comment card.

Thank You For Coming!