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 50kV and 200 kV: Ivanpah-Control Project.	Application No. 19-07-015

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

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Date: **April 13, 2020**

Amended Application of Southern California Edison Company (U 338-E) for a Permit to Construct Electrical Facilities With Voltages Between 50 kV And 200 kV: Ivanpah Control Project

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I.

INTRODUCTION

Pursuant to California Public Utilities Commission ("Commission" or "CPUC") Rule of Practice and Procedure 1.12 and Administrative Law Judge ("ALJ") Hallie Yacknin's March 3, 2020 *E-mail Ruling Granting Leave to Amend Application*, Southern California Edison Company ("SCE") hereby submits this amended application ("Amended Application") for a Permit to Construct ("PTC") for the Ivanpah-Control Project ("IC Project"). Rule 1.12(a) states that amendments to applications typically should be filed prior to the issuance of a scoping memo. In this proceeding, although an *Assigned Commissioner's Scoping Memo and Ruling* ("Scoping Memo"") was issued on September 23, 2019, ALJ Yacknin's March 3, 2020 e-mail ruling granted SCE leave to amend its application subsequent to the issuance of the Scoping Memo.

On July 17, 2019, SCE filed an application entitled *Application Of Southern California Edison Company (U 338-E) For A Permit To Construct Electrical Facilities With Voltages Between 50kV And*

200 kV: Ivanpah-Control Project (the "Original Application") seeking issuance of a PTC from the CPUC for the IC Project, and SCE submitted a *Proponent's Environmental Assessment* ("Original PEA") for the IC Project concurrently with that Original Application. Notice of the filing of the Original Application was provided pursuant to section XI of CPUC General Order 131-D ("G.O. 131-D").

On August 14, 2019, the CPUC's Energy Division sent a letter to SCE indicating that it had determined that the Original Application was incomplete and that certain revisions were required in order to establish a complete application (the "Deficiency Letter"). In response to the Deficiency Letter and other emerging information that had become available to SCE subsequent to the filing of the Original Application, SCE determined that the proposed IC Project scope should be modified and an amended application for a PTC for the IC Project should be filed to replace the Original Application. Pursuant to G.O. 131-D, SCE respectfully submits this Amended Application for a PTC authorizing SCE to construct the IC Project. Amendments to the Original Application are shown in APPENDIX G with underlined text for additions and with strikethrough for text that is deleted. Unless otherwise noted, all remaining portions of the Original Application remain unchanged.

In addition, SCE has also prepared a PEA that analyzes the revised IC Project scope (the "April 2020 PEA"). The April 2020 PEA supersedes in its entirety the Original PEA dated July 2019 which was submitted in conjunction with SCE's Original Application. The April 2020 PEA is being submitted concurrently with this Amended Application.

II.

PROJECT SCOPE AND BACKGROUND

The purpose of the IC Project is to remediate physical clearance discrepancies identified on some of SCE's existing 115 kilovolt ("kV") subtransmission lines.[1] CPUC General Order 95 ("G.O. 95") Rules 37 through 39 specify minimum vertical and horizontal clearances to be maintained between an

[1] SCE identifies electrical lines operated at voltages between 50 kV and 200 kV as subtransmission lines or subtransmission circuits. Electrical lines operated at voltages greater than 200 kV are identified as transmission lines.

electrical conductor and other conductors, or between a conductor and the ground, buildings, and a variety of other objects. In 2006, SCE identified discrepancies along many of its circuits where minimum clearances are not being met compared to G.O. 95 standards.

In response, SCE established its Transmission Line Rating Remediation ("TLRR") Program. The TLRR Program is focused on developing and implementing engineering solutions for each identified discrepancy to bring the circuits into compliance with standards contained in G.O. 95 and the California Independent System Operator ("CAISO") 2008 Transmission Register. SCE is committed to undertaking all reasonable efforts to remediate all discrepancies on its bulk electric system facilities by 2025 and to fix all discrepancies on its 115 kV radial lines by 2030. All subtransmission lines which make up the IC Project are 115 kV and are also a part of the bulk electric system, and SCE is committed to undertaking all reasonable efforts to correct these discrepancies prior to January 1, 2025.

Pursuant to the TLRR Program, SCE identified approximately 2,950 discrepancies along the following 115 kV subtransmission line circuits:

- Control-Haiwee-Inyokern
- Control-Coso-Haiwee-Inyokern
- Kramer-Inyokern Randsburg No. 1
- Kramer-Coolwater
- Kramer-Tortilla
- Coolwater-SEGS2-Tortilla
- Ivanpah-Baker-Coolwater-Dunn Siding-Mountain Pass

These circuits are located in portions of unincorporated Inyo County, Kern County, and San Bernardino County, and within the City of Barstow, and the remediation of discrepancies along these specific circuits constitutes the scope of the IC Project.

As discussed in greater detail in the April 2020 PEA submitted in conjunction with this Amended Application, SCE has identified a variety of ways to accomplish the IC Project. During the PEA preparation process, SCE identified a number of ways to remediate identified discrepancies along five subtransmission line segments spanning 358 miles between Ivanpah Substation and SCE's Control

Substation and assessed them for feasibility and potential environmental impacts.[2] In addition, SCE also pledged to continue analyzing additional methods to remediate discrepancies, even after the Original Application was filed. Therefore, to ensure that the broadest possible scope of work (and consequently the broadest scope of potential environmental impacts) would be analyzed, SCE's Original PEA analyzed the impacts of an IC Project that would involve full demolition and rebuilding of all five segments. Nevertheless, despite that conservative analysis in the Original PEA, SCE's Original Application declared that SCE's preferred scope for the IC Project would involve a lesser-scale alternative – namely, fully rebuilding certain subtransmission line segments (*i.e.,* Segments 1, 2 and 3S) while "derating" (*i.e.*, reducing the amount of current that wires are allowed to carry) conductors in other segments (*i.e.,* Segment 3N and Segment 4).

However, as it pledged to do, SCE continued to analyze alternative methods for remediating discrepancies on these five circuits, even after the Original Application was filed. As a result of that effort, SCE determined that certain methods would accomplish the necessary remediation with less environmental impact than the scope of work described in the Original Application. Therefore, SCE

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[2] The five segments are comprised of the following:

- Segment 1 includes the Control-Coso-Haiwee-Inyokern 115 kV circuit and the Control-Haiwee-Inyokern 115 kV circuit. Segment 1 spans approximately 126 miles from the existing Control Substation in the north to the existing Inyokern Substation in the south.
- Segment 2 includes the Kramer-Inyokern-Randsburg No.1 115 kV circuit. This is a 'box loop' circuit, whereby two sets of conductors (six wires) are operated as a single circuit. Segment 2 spans approximately 48 miles from the existing Inyokern Substation in the north to the existing Kramer Substation in the south and includes the existing Randsburg Substation between the two.
- Segment 3N includes the Kramer-Coolwater 115 kV circuit. Segment 3N spans approximately 44 miles from the existing Kramer Substation in the west to the existing Coolwater Substation in the east.
- Segment 3S includes the Kramer-Tortilla 115 kV circuit and a portion of the Coolwater-SEGS2-Tortilla 115 kV circuit. Segment 3S spans approximately 44 miles from the existing Kramer Substation in the west to the existing Coolwater Substation in the east and includes the existing Tortilla Substation between the two.
- Segment 4 includes the Ivanpah-Baker-Coolwater-Dunn Siding-Mountain Pass 115 kV circuit. Segment 4 spans approximately 96 miles from the existing Coolwater Substation in the west to the existing Ivanpah Substation in the east, and includes the existing Dunn Siding, Baker, and Mountain Pass substations between the two.

has revised its preferred and proposed scope of work for the IC Project to consist of the following major components:

- Full rebuild of Segment 1;
- Full rebuild of Segment 2;
- Reconductor and replace structures on Segment 3N;
- Reconductor and replace structures on Segment 3S; and
- Derate and replace structures on Segment 4.

Collectively, this revised scope of work replaces the previous scope of work described in the Original Application. As noted above, the revised IC Project represents a reduction in physical work scope compared to the scope of the IC Project described in the Original Application. In particular, SCE's revised IC Project would decrease environmental impacts by reconductoring, rather than rebuilding, Segment 3N and derating Segment 3S.

III.

SUMMARY OF REQUEST

As described further in April 2020 PEA *Chapter 2 – Project Purpose and Need and Objectives*, the IC Project is being proposed to meet the following objectives:

- Ensure compliance with CPUC General Order 95 and North American Electric Reliability Corporation ("NERC") Facility Ratings for the components associated with the IC Project.
- Continue to provide safe and reliable electrical service.
- Meet IC Project needs while minimizing environmental impacts.
- Design and construct the physical components of the IC Project in conformance with industry and/or SCE's approved engineering, design, and construction standards for substation and subtransmission system projects.

As presented in the April 2020 PEA Chapter 5, SCE analyzed six types of specific corrective actions through which G.O. 95 discrepancies may be remediated: 1) Decommission and Remove; 2) Operating Voltage Increase; 3) Energy Storage; 4) Derate Only; 5) Reconductor and Remediate Remaining G.O. 95 Discrepancies; and 6) Derate and Remediate Remaining GO 95 Discrepancies.

Based on the results of the feasibility of each corrective action for each IC Project segment, five comprehensive Project Alternatives (A-E) were developed. These five alternatives do not correspond directly to the six types of corrective actions, but rather, as described further in Chapter 5 of the April 2020 PEA, they incorporate various components or some of the six corrective action types, sometimes in combinations.

As part of its evaluation of potential alternatives, SCE engaged in discussions with the CAISO regarding the viability of some of the comprehensive Project Alternatives. In particular, SCE requested that the CAISO line rating for certain circuits be lowered (*i.e.,* derated) with certain upgrades; that is, SCE requested that these circuits operate at a reduced amperage. Operating these circuits at a lower amperage will reduce the maximum operating temperature at which the conductors that comprise these circuits operate. The reduction in the operating temperature will cause the conductors to sag less, increasing the distance between the ground and the conductor. The reduction in sag will, in and of itself, allow for a reduced scope of work. Late in the first quarter of 2019, CAISO informed SCE that CAISO did not identify any concerns regarding the suitability of derating as a means to remediate discrepancies in Segment 3N, 3S, or 4. As a result, SCE incorporated derating as a corrective action into all Alternatives described in Chapter 5 of the April 2020 PEA.

In addition, even after the Original Application was filed, SCE continued to expand its analysis of corrective actions for remediating G.O. 95 discrepancies. In Fall 2019, SCE concluded that reconductoring certain circuits with lighter conductor, that is less prone to sagging, could remediate discrepancies on some of the IC Project circuits.

Based on SCE's analysis of corrective actions and alternatives in the April 2020 PEA, SCE has identified the revised IC Project as its proposed project. In particular, the revised IC Project includes the following components:

- **Subtransmission**
    - Remediate discrepancies along 262 miles of existing 115 kV subtransmission circuits by:

- In Segments 1 and 2, removing all existing subtransmission towers and poles and replacing them with tubular steel poles ("TSPs"); lightweight steel ("LWS") poles; and steel multipole structures constructed from TSPs and LWS poles

- In Segments 3N and 3S, removing some existing subtransmission towers and poles and replacing them with steel multipole structures constructed from TSPs; wood multipole structures; and steel and wood H-frames constructed from LWS and wood poles.

- In Segments 3N and 3S, installing fault-return conductor on replacement LWS poles and/or LWS H-frames for grounding protection, where necessary.

- Removing existing conductor and installing new Aluminum Conductor Composite Core ("ACCC") 'Dove' conductor on replacement and existing structures.

- Installing overhead groundwire ("OHGW") in some locations for system protection.

  - In Segment 4, remediate discrepancies along 96 miles of existing 115 kV subtransmission circuits by:

    - Derating the existing subtransmission circuit.

    - Replacing selected existing subtransmission structures with steel or wood H-frames constructed from TSPs, LWS poles, or wood poles.

- **Distribution**

  - Remove existing distribution conductor and appurtenances and install new distribution conductor and appurtenances on replacement structures.

- **Telecommunications/System Protection**

  - Install approximately 174 miles of optical groundwire ("OPGW") and/or All-Dielectric Self-Supporting ("ADSS") fiber optic cable overhead on replacement structures and new structures.

  - Install approximately 1,390 feet of fiber optic cable underground within existing substations, and approximately 2,190 feet underground outside of existing substations.

  - Install system protection and telecommunications-associated equipment at existing substations.

- **Substations**

  - Disconnect existing conductor from existing positions at substations and connect new conductor to those existing positions.

- Install new OHGW and make minor modifications to the existing racks to accommodate the new OHGW.

  Install cabling between existing breakers to the existing mechanical electrical equipment room ("MEER")/communication room/telecommunications cabinet and install new relay and protection racks in the existing MEER/communication room/telecommunications cabinet.

The estimated cost of the revised IC Project is approximately $715 million in 2020 constant dollars.[3] The April 2020 PEA prepared for the revised IC Project, which discusses several alternatives to accomplish the revised IC Project's objectives (including a "No Project" alternative), is attached to this Amended Application. The April 2020 PEA will be referenced in this Amended Application, where appropriate, as the source of information required in an Application for a PTC[4] pursuant to G.O. 131-D, Section IX.B. A summary of the IC Project's purpose, need, and objectives is located in Chapter 2 of the April 2020 PEA. A complete description of the Revised IC Project is located in Chapter 3 of the April 2020 PEA.

Construction of the IC Project is scheduled to begin in 1st quarter 2023 and scheduled to be completed by 2nd quarter 2026. A detailed schedule for the IC Project is included in this Amended Application as APPENDIX C.

SCE requests that the Commission, upon completion of its review of this Amended Application, issue and certify an appropriate environmental document and issue a PTC authorizing SCE to construct the revised IC Project as set forth in this Amended Application and the attached April 2020 PEA within the timelines set forth in Section IV.H of this Amended Application.

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

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

IV.

STATUTORY AND PROCEDURAL REQUIREMENTS

A. Applicant

The applicant is Southern California Edison Company ("SCE"), an electric public utility company organized and existing under the laws of the State of California. SCE's principal place of business is 2244 Walnut Grove Avenue, Post Office Box 800, Rosemead, California 91770. Please address correspondence or communications in regard to this Application to:

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B. Articles of Incorporation

A copy of SCE's Certificate of Restated Articles of Incorporation, effective on March 2, 2006, and presently in effect, certified by the California Secretary of State, was filed with the Commission on March 14, 2006, in connection with Application No. 06-03-020, and is incorporated herein by this reference pursuant to Rule 2.2 of the Commission's Rules of Practice and Procedure.

A copy of SCE's Certificate of Determination of Preferences of the Series D Preference Stock filed with the California Secretary of State on March 7, 2011, and presently in effect, certified by the California Secretary of State, was filed with the Commission on April 1, 2011, in connection with Application No. 11-04-001, as is incorporated herein by this reference.

A copy of SCE's Certificate of Determination of Preferences of the Series E Preference Stock filed with the California Secretary of State on January 12, 2012, and a copy of SCE's Certificate of Increase of Authorized Shares of the Series E Preference Stock filed with the California Secretary of State on January 31, 2012, and presently in effect, certified by the California Secretary of State, were filed with the Commission on March 5, 2012, in connection with Application No. 12-03-004, and are incorporated herein by this reference.

A copy of SCE's Certificate of Determination of Preferences of the Series F Preference Stock filed with the California Secretary of State on May 5, 2012, and presently in effect, certified by the California Secretary of State, was filed with the Commission on June 29, 2012, in connection with Application 12-06-017, and is by reference made a part hereof.

A copy of SCE's Certificate of Determination of Preferences of the Series G Preference Stock filed with the Secretary of State on January 24, 2013, and presently in effect, certified by the California Secretary of State, was filed with the Commission on January 31, 2013, in connection with Application No. 13-01-016, and is by reference made a part hereof.

A copy of SCE's Certificate of Determination of Preferences of the Series H Preference Stock filed with the California Secretary of State on February 28, 2014, and presently in effect, certified by the California Secretary of State, was filed with the Commission on March 24, 2014, in connection with Application 14-03-013, and is by reference made a part hereof.

A copy of SCE's Certificate of Determination of Preferences of the Series J Preference Stock filed with the California Secretary of State on August 19, 2015, and presently in effect, certified by the California Secretary of State, was filed with the Commission on October 2, 2015, in connection with Application No. 15-10-001, and is by reference made a part hereof.

A copy of SCE's Certificate of Determination of Preferences of the Series K Preference Stock, filed with the California Secretary of State on March 2, 2016, and presently in effect, certified by the California Secretary of State, was filed with the Commission on April 1, 2016, in connection with Application No. 16-14-001, and is by reference made a part hereof.

A copy of SCE's Certificate of Determination of Preferences of the Series L Preference Stock filed with the California Secretary of State on June 20, 2017, and presently in effect, certified by the California Secretary of State, was filed with the Commission on June 30, 2017, in connection with Application No. 17-06-030, and is incorporated herein by this reference.

Certain classes and series of SCE's capital stock are listed on a "national securities exchange" as defined in the Securities Exchange Act of 1934, and copies of SCE's latest Annual Report to Shareholders and its latest proxy statement sent to its shareholders has been filed with the Commission with a letter of transmittal dated March 13, 2020, pursuant to Commission General Order Nos. 65-A and 104-A.

C. Balance Sheet and Statement of Income

APPENDIX A to this Amended Application contains copies of SCE's balance sheet and statement of income for the period ending December 31, 2019. The balance sheet reflects SCE's utility plant at original cost, less accumulated depreciation.

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

Pursuant to Commission Decision No. 59926, dated April 12, 1960, SCE uses accelerated depreciation for income tax purposes and "flows through" reductions in income tax to customers within the Commission's jurisdiction for property placed in service prior to 1981. Consistent with Decision No. 93848 in OII-24, SCE uses the Accelerated Cost Recovery System ("ACRS") and Modified Accelerated Cost Recovery System ("MACRS") for federal income tax purposes and "normalizes" reductions in income tax to customers for property placed in service after 1980 in compliance with the Economic Recovery Tax Act of 1981, and also in compliance with the Tax Reform Act of 1986. Pursuant to Decision No. 88-01-061, dated January 28, 1988, SCE uses a gross of tax interest rate in calculating the AFUDC Rate, and income tax normalization to account for the

increased income tax expense occasioned by the Tax Relief Act of 1986 provisions requiring capitalization of interest during construction for income tax purposes.

D. Description of Southern California Edison Company

SCE is a corporation organized and existing under the laws of the State of California, and is primarily engaged in the business of generating, purchasing, transmitting, distributing and selling electric energy for light, heat and power in portions of central and southern California as a public utility subject to the jurisdiction of the California Public Utilities Commission. SCE's properties, which are located primarily within the State of California, consist mainly of hydroelectric and thermal electric generating plants, together with transmission and distribution lines and other property necessary in connection with its business.

E. Service Territory

SCE's service territory is located in 15 counties in central and southern California, consisting of Fresno, Imperial, Inyo, Kern, Kings, Los Angeles, Madera, Mono, Orange, Riverside, Santa Barbara, San Bernardino, Tulare, Tuolumne,[5] and Ventura Counties, and includes approximately 201 incorporated communities as well as outlying rural territories. A list of the counties and municipalities served by SCE is attached hereto as APPENDIX B. SCE also supplies electricity to certain customers for resale under tariffs filed with the Federal Energy Regulatory Commission.

F. Location of Items Required in Permit to Construct Pursuant to G.O. 131-D Section IX.B

Much of the information required to be included in a PTC application pursuant to G.O. 131-D, Section IX.B is found in the April 2020 PEA filed with this Amended Application.

Required PTC application information has been cross-referenced to the in the following text. The PTC application requirements of G.O. 131-D, Section IX.B are in ***bold italics***, and the April 2020 PEA references follow in bulleted plain text.

1. ***A description of the proposed power line or substation facilities, including the proposed power line route; proposed power line equipment, such as tower design and***

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

appearance, heights, conductor sizes, voltages, capacities, substations, switchyards, etc., and a proposed schedule for authorization, construction, and commencement of operation of the facilities.

- Descriptions of the IC Project are found throughout the April 2020 PEA, including in Chapter 1, Chapter 2, Chapter 3, and Chapter 4. Descriptions of potential individual alternative corrective actions and comprehensive Project Alternatives are discussed in Chapter 5 of the April 2020 PEA. Descriptions of the IC Project alignment, referring to the locations where work generally would be done, are described in the April 2020 PEA in Section 3.1 ("Project Location") and all subsections contained therein, and illustrated in Figures/Figuresets 1.1-1 ("IC Project Location"), 1.1-2 ("Project Overview, Segment 1" and "Project Overview Segments 2, 3N, 3S, and 4") and 3.1-1 ("Project Segments")

- The physical characteristics of the equipment proposed to be included in the revised IC Project are described in the April 2020 PEA in Chapter 1, particularly in Section 1.1 ("Project Components") and Chapter 3, particularly in Sections 3.4 ("IC Project") and 3.5 ("Project Components"), and all subsections contained therein, and illustrated in Figures/Figuresets 3.5-1 ("Typical Structure Design"), 3.5-2 ("Independence Telecom Tap"), 3.5-3 ("Transmission Line Crossings"), 3.7-1 ("Material Yards"), 3.7-2 ("Telecommunications Underground Routes"), and 3.7-3 ("SCE Telecommunications Conduit Install Details"). The physical characteristics of alternatives to the revised IC Project are described in April 2020 PEA Chapter 5, particularly in Section 5.2 ("Description of Project Alternatives and Impact Analysis").

- The revised IC Project Schedule is discussed in April 2020 PEA Section 3.7.6 ("Construction Schedule") and attached to this Amended Application as Appendix C.

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

- Locations of the revised IC Project alignment, which generally includes the locations where work would be done, are illustrated in April 2020 PEA Figures/Figuresets 1.1-1 ("IC Project Location"), 1.1-2 ("Project Overview, Segment 1" and "Project Overview Segments 2, 3N, 3S, and 4"), 3.1-1 ("Project Segments"), 3.5-2 ("Independence Telecom Tap"), 3.5-3 ("Transmission Line Crossings"), 3.7-1 ("Material Yards"), 3.7-2 ("Telecommunications Underground Routes"), and 4.7-1 ("Site Location Map").

- Maps and aerial photographs showing populated areas, parks, recreational areas, scenic areas, and land uses in the vicinity of the revised IC Project alignment are provided in April 2020 PEA Figures/Figuresets 1.1-1 ("IC Project Location"), 1.1-2 ("Project Overview, Segment 1" and "Project Overview Segments 2, 3N, 3S, and 4"), 3.1-1 ("Project Segments"), 3.5-2 ("Independence Telecom Tap"), 3.5-3 ("Transmission Line Crossings"), 3.7-1 ("Material Yards"), 3.7-2 ("Telecommunications Underground Routes"), 4.1-1a ("Photograph Viewpoint Locations"), 4.1-1b ("Photograph Viewpoint Locations"), 4.1-1c ("BLM VRM Classifications"), 4.1-1d ("BLM VRM Classifications"), 4.2-1 ("Prime Farmland, Unique Farmland, Farmland Of Statewide Importance"), 4.4-1 ("Ivanpah-Control Habitat Designations"), 4.4-2 ("Ivanpah-Control Sensitive Plant Species"), 4.4-3 ("Ivanpah-Control CNDDB Special-Status Plant Occurrences"), 4.4-4 ("Ivanpah-

Control Sensitive Wildlife Species"), 4.4-5 ("Ivanpah-Control CNDDB Special-Status Wildlife Occurrences"), 4.4-6 ("Desert Tortoise Designated Critical Habitat"), 4.4-7 ("Yellow-Billed Cuckoo Proposed Critical Habitat"), 4.4-8 ("Mohave Ground Squirrel Probability of Occurrence"), 4.9-2 ("Airports and Airstrips"), 4.11-1 ("Land Use Designations"), 4.11-2 ("Zoning Designations"), 4.11-3 ("DRECP Land Designations"), 4.14-1 ("Cities, Reservations, And Census-Designated Places"), 4.15-1 ("Public Services Along The IC Project Alignment"), 4.16-1 ("Parks And Recreational Facilities"), 4.17-1 ("Truck Routes, Public Use Airports, And Railroads"), and 4.17-2 ("Potential Lane Closures And Road Crossings").

- Existing electrical system components along the IC Project alignment and within 300 feet thereof are described in April 2020 PEA Section 3.1 ("Project Location") and all subsections contained therein, and Section 3.2 ("Existing System") and all subsections contained therein, and are mapped/illustrated in Figures/Figuresets 3.1-1 ("Project Segments"), 3.2-1 ("Existing System") and 3.5-3 ("Transmission Line Crossings"), 3.7-2 ("Telecommunications Underground Routes"), and 4.7-1 ("Site Location Map").

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

- Reasons for the construction of the revised IC Project, including the challenges and additional environmental impacts associated with alternative sites, can be found in April 2020 PEA Chapters 1, 2 and 5. As discussed in the April 2020 PEA, the IC Project involves remediation of clearance discrepancies on existing subtransmission infrastructure within an established IC Project alignment. Substantial deviation

from that alignment would not be a reasonable approach to accomplishing the IC Project's objectives.

4. ***A listing of the governmental agencies with which proposed power line route or substation location reviews have been undertaken, including a written agency response to applicant's written request for a brief position statement by that agency. (Such listing shall include The Native American Heritage Commission, which shall constitute notice on California Indian Reservation Tribal governments.) In the absence of a written agency position statement, the utility may submit a statement of its understanding of the position of such agencies.***

- April 2020 PEA Section 1.4 ("Agency Coordination") describes the outreach that SCE has conducted to date with lead agencies and other agencies, including the CPUC, Bureau of Land Management ("BLM"), the counties of Inyo, Kern and San Bernardino; the City of Barstow, China Lake Naval Air Warfare Station, Edwards Air Force Base, Marine Corps Logistics Base Barstow, California Department of Transportation, California State Lands Commission, and Los Angeles Department of Water and Power. None of these agencies has expressed any objections with respect to the revised IC Project.

- April 2020 PEA Section 4.5.3.1.2 describes SCE's efforts with respect to Native American Coordination. The Native American Heritage Commission ("NAHC") maintains two databases to assist cultural resources specialists in identifying cultural resources of concern to California Native Americans. On December 7, 2018, SCE's consultant, SWCA Environmental Consultants, contacted the NAHC to obtain information about known cultural and tribal cultural resources and request a list of Native American tribal representatives who may have a cultural affiliation with the proposed project area. The NAHC responded on December 28, 2018, stating that the

Sacred Lands File ("SLF") database includes previously identified sacred sites in the vicinity of the proposed project. In consideration of these culturally significant sacred sites, the NAHC suggested contacting two Native American tribes for more information. The NAHC also forwarded a list of 12 Native American groups or individuals that are culturally affiliated with the project area. The results of the NAHC SLF search will be provided to the CPUC and BLM for use in their respective Native American consultation efforts.

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

- The April 2020 PEA is attached to this Amended Application.

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

G.O. 131-D, Section X, requires applications for a PTC to describe measures taken to reduce potential exposure to electric and magnetic fields ("EMF") generated by the proposed facilities. A complete description of EMF-related issues is contained in SCE's EMF Field Management Plan for the revised IC Project (the "April 2020 FMP"), which is attached as APPENDIX F to this Amended Application.

H. Compliance with Rule 2.1(c)

In compliance with Rule 2.1(c) of the Commission's Rules of Practice and Procedure (California Code of Regulations, Title 20), SCE is required to state in this Application "[t]he proposed category for the proceeding, the need for hearing, the issues to be considered including relevant safety considerations, and a proposed schedule." SCE proposes to categorize this Amended Application as a rate-setting proceeding. SCE anticipates that a hearing will not be necessary. This proceeding involves the Commission's: (1) environmental review of the revised IC Project in compliance with

G.O. 131-D and the California Environmental Quality Act ("CEQA") (Pub. Resources Code § 21000 *et seq*.); and (2) issuance of a PTC authorizing SCE to construct the revised IC Project.

SCE workers and contractors are required to implement and enforce the SCE Accident Prevention Manual, which is a companywide manual containing safety rules and policies. These rules and policies cover work performed in every organizational unit, from office and workplace safety to construction sites, and for operating and maintaining substations and steam generation stations.

SCE suggests the following proposed schedule for this Amended Application:

Date	Event
April 2020	Amended Application Filed
September 2020	Initial Study Issued
November 2020	Amended Application Deemed Complete
April 2021	Draft CEQA Document Issued
August 2021	Final CEQA Document Issued
December 2021	Proposed Decision Issued
February 2022	Final Decision

I. Statutory Authority

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

J. Public Notice

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

APPENDIX D. A copy of the Certificate of Service of Notice of Amended Application for a Permit to Construct and a service list are contained in APPENDIX E.

K. Supporting Appendices and Attachments

Appendices A through G and the April 2020 PEA listed below are made a part of this Amended Application:

APPENDIX A	Balance Sheet and Statement of Income as of December 31, 2019.
APPENDIX B	List of Counties and Municipalities Served by SCE
APPENDIX C	Ivanpah-Control Project Schedule
APPENDIX D	Notice of Amended Application for a Permit to Construct
APPENDIX E	Certificate of Service of Notice of Amended Application for a Permit to Construct
APPENDIX F	April 2020 Field Management Plan
APPENDIX G	Amendments to SCE's *Application Of Southern California Edison Company (U 338-E) For A Permit To Construct Electrical Facilities With Voltages Between 50kv And 200 kV: Ivanpah-Control Project*, filed July 17, 2019
ATTACHMENT	Southern California Edison's Ivanpah-Control Project April 2020 PEA

L. Compliance with Rule 2.5

Rule 2.5 of the Commission's Rules of Practice and Procedure provides that an applicant include a deposit to be applied to the costs the Commission incurs to prepare a negative declaration or an environmental impact report when the Commission is acting as the lead agency pursuant to CEQA. In accordance with Rule 2.5, SCE has already submitted a deposit to be applied to the costs the Commission incurs to prepare a negative declaration or an environmental impact report for the revised IC Project.

M. Request for Ex Parte Relief

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

N. Request for Timely Relief

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

V.

CONCLUSION

SCE respectfully requests the Commission issue a PTC authorizing SCE to construct the revised IC Project described in this Amended Application and April 2020 PEA. SCE further requests

that the relief be provided *ex parte* and within the time limits prescribed by the Permit Streamlining Act.

Respectfully submitted,

SOUTHERN CALIFORNIA EDISON COMPANY

/s/ Erik Takayesu
By: Erik Takayesu
Vice President Transmission, Substations and Operations

/s/ Robert Pontelle
By: Robert Pontelle

Attorney for
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
Telephone: (626) 302-6025
E-mail: robert.pontelle@sce.com

April 13, 2020

VERIFICATION

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

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

Executed this **23rd day of March, 2020**, at Rosemead, California.

/s/ Erik Takayesu

By: Erik Takayesu
Vice President Transmission, Substations and Operations
SOUTHERN CALIFORNIA EDISON COMPANY

Appendix A

Balance Sheet and Statement of Income as of December 31, 2019

SOUTHERN CALIFORNIA EDISON COMPANY

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

STATEMENT OF INCOME
TWELVE MONTHS ENDED DECEMBER 31, 2019

(In millions)

OPERATING REVENUE	$ 12,306
OPERATING EXPENSES:	
Purchase power and fuel	4,839
Operation and maintenance	2,936
Wildfire-related claims, net of insurance recoveries	255
Wildfire insurance fund expense	152
Depreciation and amortization	1,728
Property and other taxes	396
Impairment and other	159
Other operating income	(4)
Total operating expenses	10,461
OPERATING INCOME	1,845
Interest expense	(739)
Other income	195
INCOME BEFORE TAXES	1,301
Income tax benefit	(229)
NET INCOME	1,530
Less: Preferred and preference stock dividend requirements	121
NET INCOME AVAILABLE FOR COMMON STOCK	$ 1,409

SOUTHERN CALIFORNIA EDISON COMPANY

BALANCE SHEET
DECEMBER 31, 2019
ASSETS
(in millions)

UTILITY PLANT:		
Utility plant, at original cost	$	49,896
Less- accumulated provision for depreciation and decommissioning		9,958
		39,938
Construction work in progress		4,131
Nuclear fuel, at amortized cost		129
		44,198
OTHER PROPERTY AND INVESTMENTS:		
Nonutility property - less accumulated depreciation of $80		83
Nuclear decommissioning trusts		4,562
Special Funds and Other investments		46
		4,691
CURRENT ASSETS:		
Cash and cash equivalents		24
Receivables, less allowances of $49 for uncollectible accounts		777
Accrued unbilled revenue		488
Inventory		364
Income tax receivables		148
Prepaid expenses		213
Derivative assets		81
Regulatory assets		1,009
Wildfire insurance fund contributions		323
Other current assets		103
		3,530
DEFERRED CHARGES:		
Regulatory assets		6,088
Wildfire insurance fund contributions		2,767
Operating lease right-of-use assets		689
Long-term insurance receivables due from affiliate		803
Other long-term assets		1,507
		11,854

SOUTHERN CALIFORNIA EDISON COMPANY

BALANCE SHEET
DECEMBER 31, 2019
CAPITALIZATION AND LIABILITIES
(in millions)

CAPITALIZATION:		
Common stock	$	2,168
Additional paid-in capital		3,939
Accumulated other comprehensive loss		(39)
Retained earnings		9,514
Common shareholder's equity		15,582
Preferred and preference stock		2,245
Long-term debt		15,132
Total capitalization		32,959
CURRENT LIABILITIES:		
Short-term debt		550
Current portion of long-term debt		79
Accounts payable		1,779
Customer deposits		302
Regulatory liabilities		972
Current portion of operating lease liabilities		79
Other current liabilities		1,298
		5,059
DEFERRED CREDITS:		
Deferred income taxes and credits		6,451
Pensions and benefits		237
Asset retirement obligations		3,029
Regulatory liabilities		8,385
Operating lease liabilities		610
Wildfire-related claims		4,568
Other deferred credits and other long-term liabilities		2,975
		26,255

Appendix B

List of Counties and Municipalities Served by SCE

SOUTHERN CALIFORNIA EDISON®
Energy for What's Ahead®

INCORPORATED CITIES AND COUNTIES SERVED BY SCE

COUNTIES

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

CITIES

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

Updated: 4/25/2019

Appendix C

Ivanpah-Control Project

Project Schedule

Proposed Ivanpah-Control Project Schedule

Date	Event
April 2020	Amended Application Filed
September 2020	Initial Study Issued
November 2020	Amended Application Deemed Complete
April 2021	Draft CEQA Document Issued
August 2021	Final CEQA Document Issued
December 2021	Proposed Decision Issued
February 2022	Final Decision
January 2023	Construction Start
April 2026	Commence Operation

Appendix D

Notice of Amended Application for a Permit to Construct

NOTICE OF AMENDED APPLICATION FOR A PERMIT TO CONSTRUCT

IVANPAH- CONTROL PROJECT
Filing Date: April 13, 2020

Proposed Project: Southern California Edison Company (SCE) has filed an amended application (Amended Application) with the California Public Utilities Commission (CPUC) for a Permit to Construct (PTC) the Ivanpah-Control Project (IC Project). The primary purpose of the IC Project is to ensure compliance with CPUC General Order 95 (G.O. 95) and North American Electric Reliability Corporation (NERC) Facility Ratings through remediating physical clearance discrepancies identified on existing 115 kilovolt (kV) subtransmission lines. In particular, G.O. 95 Rules 37 through 39 specify minimum vertical and horizontal clearances that must be maintained between an electrical conductor and other conductors, or between a conductor and the ground, buildings, and a variety of other objects. In 2006, SCE identified discrepancies along many of its circuits where minimum clearances are not being met compared to what is required by G.O. 95. The IC Project will rectify approximately 2,950 such discrepancies along the following 115 kV line circuits:

- Control- Haiwee- Inyokern
- Control- Coso- Haiwee- Inyokern
- Kramer- Inyokern Randsburg No. 1
- Kramer- Coolwater
- Kramer- Tortilla
- Coolwater- SEGS2- Tortilla
- Ivanpah- Baker- Coolwater- Dunn Siding- Mountain Pass

These circuits traverse Inyo County, northeast Kern County, northern San Bernardino County, and the City of Barstow.

SCE previously filed an application seeking a PTC for the IC Project on July 17, 2019 (Original Application). SCE also submitted a Proponent's Environmental Assessment (Original PEA) along with that Original Application. However, since that time, SCE determined that the proposed IC Project scope should be modified and an amended application for a PTC for the IC Project should be filed to replace the Original Application, and therefore SCE has filed the Amended Application to request a PTC for the revised IC Project scope. A revised Proponent's Environmental Assessment (April 2020 PEA) has also been submitted with the Amended Application.

Project Description: As discussed in greater detail in the Original PEA and April 2020 PEA, SCE has identified a variety of ways to accomplish the IC Project. For purposes of a conservative and complete analysis of all potential environmental impacts associated with the IC Project, the Original PEA filed with the Original Application describes and analyzes the environmental impacts associated with a scope of work that would involve the *complete rebuild* of the existing SCE facilities along five subtransmission line segments containing the 115 kV line circuits identified above, altogether spanning 358 miles between Ivanpah Substation and SCE's Control Substation. (These five segments have been identified for purposes of the IC Project as Segment 1, Segment 2, Segment 3 North or "3N", Segment 3 South or "3S", and Segment 4). Despite that conservative analysis in the Original PEA, SCE's Original Application declared that SCE's preferred scope for the IC Project would involve a lesser-scale alternative – namely, fully rebuilding certain subtransmission line segments (i.e., Segments 1, 2 and 3S) while "derating" (i.e., reducing the amount of current that wires are allowed to carry) conductors in other segments (i.e., Segment 3N and Segment 4).

Nevertheless, SCE continued to analyze alternative methods for remediating discrepancies on these circuits, even after the Original Application was filed. As a result of that effort, SCE determined that certain methods would accomplish the necessary remediation with less environmental impact than the scope of work described in the Original Application. Therefore, SCE has revised its preferred and proposed scope of work for the IC Project to consist of the following components:

- **Subtransmission**
  - Remediate discrepancies along 262 miles of existing 115 kV subtransmission circuits by:
    - In Segments 1 and 2, removing all existing subtransmission towers and poles and replacing them with tubular steel poles (TSPs); lightweight steel (LWS) poles; and steel multipole structures constructed from TSPs and LWS poles
    - In Segments 3N and 3S, removing some existing subtransmission towers and poles and replacing them with steel multipole structures constructed from TSPs; wood multipole structures; and steel and wood H-frames constructed from LWS and wood poles.
    - In Segments 3N and 3S, installing fault-return conductor on replacement LWS poles and/or LWS H-frames for grounding protection, where necessary.
    - Removing existing conductor and installing new Aluminum Conductor Composite Core (ACCC) 'Dove' conductor on replacement and existing structures.
    - Installing overhead groundwire (OHGW) in some locations for system protection.

  - In Segment 4, remediate discrepancies along 96 miles of existing 115 kV subtransmission circuits by:
    - Derating the existing subtransmission circuit.
    - Replacing selected existing subtransmission structures with steel or wood H-frames constructed from TSPs, LWS poles, or wood poles.

- **Distribution**
  - Remove existing distribution conductor and appurtenances and install new distribution conductor and appurtenances on replacement structures.

- **Telecommunications/System Protection**
  - Install approximately 174 miles of optical groundwire (OPGW) and/or All-Dielectric Self-Supporting (ADSS) fiber optic cable overhead on replacement structures and new structures.
  - Install approximately 1,390 feet of fiber optic cable underground within existing substations, and approximately 2,190 feet underground outside of existing substations.
  - Install system protection and telecommunications-associated equipment at existing substations.

- **Substations**
  - Disconnect existing conductor from existing positions at substations and connect new conductor to those existing positions.
  - Install new overhead groundwire (OHGW) and make minor modifications to the existing racks to accommodate the new OHGW.
  - Install cabling between existing breakers to the existing mechanical electrical equipment room (MEER)/communication room/telecommunications cabinet and install new relay and protection racks in the existing MEER/communication room/telecommunications cabinet.

Environmental Review: As noted above, SCE's April 2020 PEA assesses the potential environmental impacts created by the construction and operation of this revised IC Project scope. The April 2020 PEA concludes that with the implementation of Applicant Proposed Measures, the revised IC Project would

not result in any significant and unavoidable environmental impacts. In addition, cultural resources technical reports are still in process and the information to be described therein would be informative as to whether or not there are any potentially significant impacts related to cultural resources as a result of the Proposed Project.

Pursuant to the California Environmental Quality Act (CEQA), the CPUC's Energy Division will conduct an independent review of the Proposed Project's environmental impacts. Depending on the results of its review, the Energy Division is expected to issue an environmental impact report (EIR) identifying the significant environmental impacts and mitigation measures and alternatives to avoid or reduce them.

Public Participation:
The public may participate in the environmental review by submitting comments on the Notice of Intent to Approve a Negative Declaration, or on the Notice of Preparation of the EIR and draft EIR, and by participating in any scoping meetings or public meetings that may be conducted. For information on the environmental review, contact the CPUC's Energy division at enviroteam@cpuc.ca.gov or (415) 703-2126.

Persons wishing to present testimony in evidentiary hearings and/or legal briefing on all other issues, including EMF compliance, require party status. Persons may obtain party status by filing a protest to the application by **May 13, 2020**, in compliance with CPUC General Order 131-D and the CPUC's Rules of Practice and Procedure Rule 2.6, or by making a motion for party status at any time in compliance with Rule 1.4 (posted at www.cpuc.ca.gov).

The public may communicate their views regarding the application by writing to the CPUC at 505 Van Ness Avenue, San Francisco, CA 94102, or by emailing the Public Advisor at public.advisor@cpuc.ca.gov. In addition, the CPUC may, at its discretion, hold a public participation hearing in order to take oral public comment.

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

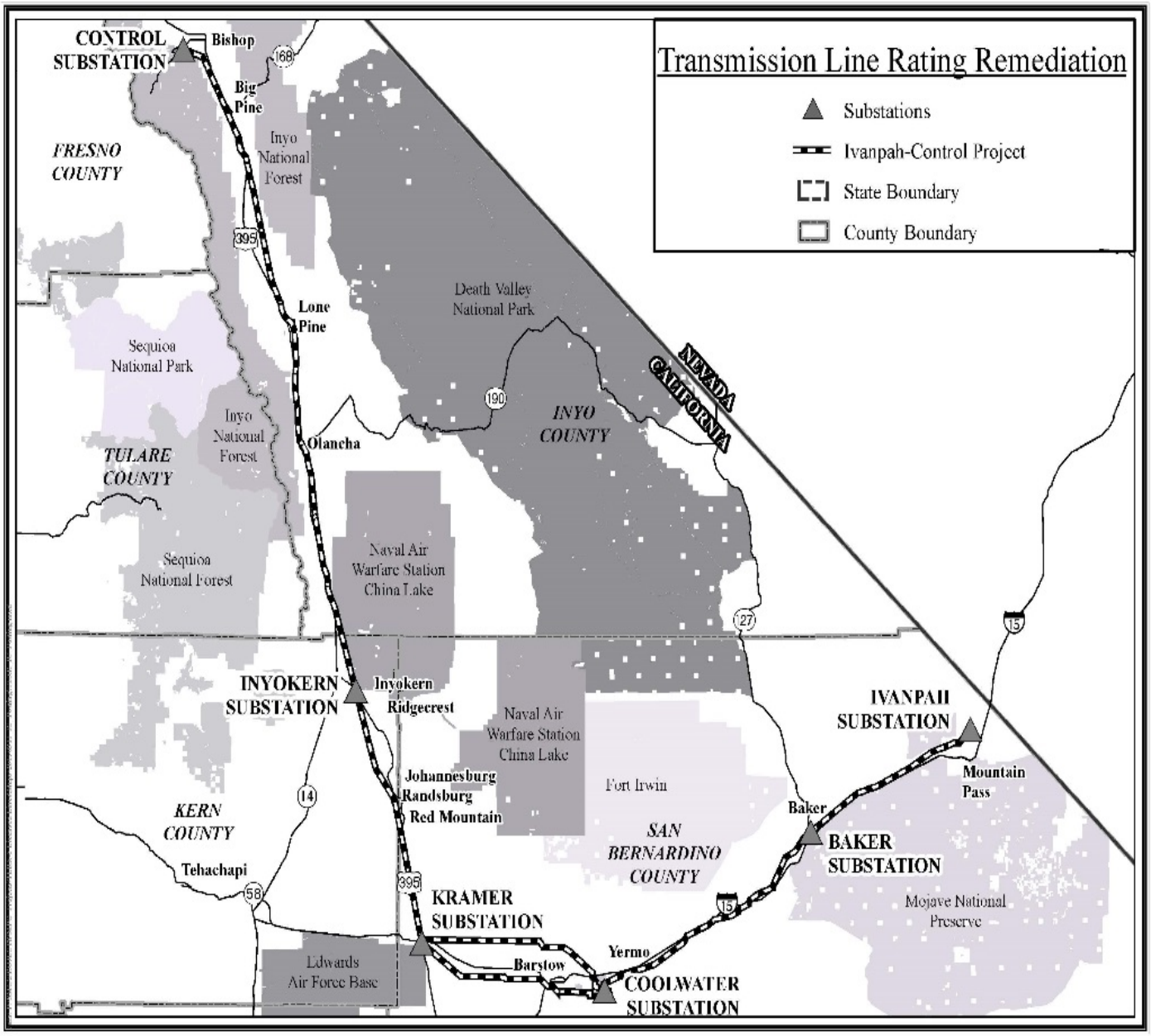
Contacts: For assistance from the CPUC, please contact the Public Advisor in San Francisco at (415) 703-2074 (public.advisor@cpuc.ca.gov) or toll free at (866) 849-8391.

To review a copy of SCE's application, or to request further information about the proposed project, please contact the SCE Government Affairs representatives listed below. You can also visit the Project website at www.sce.com/ICProject.

Cal Rossi
SCE Government Affairs
Inyo and Kern Counties
421 J Street
Tehachapi, CA 93561
Calvin.rossi@sce.com
(559) 331-4555

Jennifer Cusack
SCE Government Affairs
San Bernardino County
6999 OWS/ Hwy 247
Yucca Valley, CA 92284
Jennifer.cusack@sce.com
(760) 202-4211

Juan Lopez
SCE Government Affairs
City of Barstow
12353 Hesperia Road
Victorville, CA 92392
Juan.m.lopez@sce.com
(760) 951-3190


Transmission Line Rating Remediation
Substations
Ivanpah-Control Project
State Boundary
County Boundary
CONTROL SUBSTATION
Bishop
Big Pine
Lone Pine
Olancha
INYOKERN SUBSTATION
Inyokern
Ridgecrest
KRAMER SUBSTATION
Johannesburg
Randsburg
Red Mountain
Tehachapi
Edwards Air Force Base
Barstow
Yermo
COOLWATER SUBSTATION
IVANPAH SUBSTATION
Mountain Pass
Baker
BAKER SUBSTATION
Fort Irwin
Mojave National Preserve
Naval Air Warfare Station China Lake
Death Valley National Park
Inyo National Forest
Sequoia National Park
Sequoia National Forest
FRESNO COUNTY
TULARE COUNTY
KERN COUNTY
INYO COUNTY
SAN BERNARDINO COUNTY
NEVADA
CALIFORNIA
168
395
190
27
15
14
58

List of Newspapers With Which Publication Of Notice Was Arranged By SCE

Hi-Desert Star
6445 29 Palms Hwy.
Yucca Valley, CA 92284
Phone: (760) 365-3315

Desert Dispatch
13891 Park Ave
Victorville, CA, 92392
(760) 241-7744

San Bernardino Sun
473 E. Carnegie Drive, Suite 250
San Bernardino, CA 92408
(909) 889-9666

Victorville Daily Press
13891 Park Ave
Victorville, CA, 92392
(760) 241-7744

Inyo Register
1180 N. Main St. Suite 108
Bishop CA, 93514
(760) 873-353

Ridgecrest Daily Independent
224 E. Ridgecrest Blvd.
Ridgecrest, CA 93556
(760) 375-4481

Appendix E

Certificate of Service of Notice of Amended Application for a Permit to Construct

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE

STATE OF CALIFORNIA

In the Matter of the Application of SOUTHERN CALIFORNIA EDISON COMPANY (U 338-E) for a Permit to Construct Electrical Facilities With Voltages Between 50kV and 200 kV: Ivanpah-Control Project.	Application 19-07-015

CERTIFICATE OF SERVICE

I hereby certify that, pursuant to the Commission's Rules of Practice and Procedure, I have this day served a true copy of the **NOTICE OF AMENDED APPLICATION OF SOUTHERN CALIFORNIA EDISON COMPANY (U 338-E) FOR A PERMIT TO CONSTRUCT ELECTRICAL FACILITIES WITH VOLTAGES BETWEEN 50KV AND 200 KV: IVANPAH-CONTROL PROJECT,** on all parties identified on the attached service list(s) for **A.19-07-015**. Service was effected by one or more means indicated below:

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

Lists: TLRR-Ivanpah Project Agency & Interested Party List
TLRR-Ivanpah Project 300 Foot List

Executed this **April 13, 2020,** at Rosemead, California.

/s/ Kelly Morikawa Kwong
Kelly Morikawa Kwong
Legal Administrative Assistant
SOUTHERN CALIFORNIA EDISON COMPANY

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

SOUTHERN CALIFORNIA EDISON COMPANY'S PTC REGARDING IVANPAH-CONTROL PROJECT A.19-07-015 - 300 Foot List

APN	OWNER_NAME	MAILING ADDRESS	CITY	STATE	ZIP CODE	COUNTY
003-190-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
004-010-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
004-010-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
004-050-06	ROSSI TRUST, RONALD & NANCY	223 W CHURCH AVE	RIDGECREST	CA	93555	Inyo
004-050-07-00	ROSSI, MICHAEL LIFE EST 1/2	PO BOX 460	BIG PINE	CA	93513	Inyo
004-050-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
004-080-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
004-080-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
004-130-01-00	PANAPIDI INDIAN PROPERTY TRST	7313 PERRY RD	BELL GARDENS	CA	90201	Inyo
004-130-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
004-140-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
012-090-04-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
012-090-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
012-090-06-00	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	Inyo
012-090-14-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
012-090-15-00	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	Inyo
012-100-12-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
012-100-17-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
012-100-31-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
012-100-32-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
012-110-01-00	REYNOLDS TRUST, MARGARET EST	445 ROSSI HILL RD	BISHOP	CA	93514	Inyo
012-110-02-00	BROWN, DOUGLAS & KELLI 3/21	219 WYE RD	BISHOP	CA	93514	Inyo
012-110-02-02	SLEE, RANDALL J & GAIL C	320 ROSSI HILL RD	BISHOP	CA	93514	Inyo
012-110-02-03	FOOTE, GREG M & KAMMI R	315 ROSSI HILL RD	BISHOP	CA	93514	Inyo
012-110-02-04	BEAVER, EARLENE	329 ROSSI HILL RD	BISHOP	CA	93514	Inyo
012-110-02-05	BROWN, JEANNINE E EST OF	219 WYE RD	BISHOP	CA	93514	Inyo
012-110-02-06	BROWN, DOUGLAS	325 ROSSI HILL RD	BISHOP	CA	93514	Inyo
012-110-06-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
012-110-07-00	BROWNS SUPPLY INC	219 WYE RD	BISHOP	CA	93514	Inyo
013-020-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-050-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-050-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-050-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-050-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-050-14-00	BROWN TR, DOUGLAS &KELLI 2/14	219 WYE RD	BISHOP	CA	93514	Inyo
013-050-16-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-050-17-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-070-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-070-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-070-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-070-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-070-19	BLACK, LISA G	187 COLLINS RD	BISHOP	CA	93514	Inyo
013-070-21-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
013-070-22-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo

013-130-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-130-03-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-130-03-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-130-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-140-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-140-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-150-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-150-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-150-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-150-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-150-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
013-262-12	DUFFY, DANIEL A & MARGARITA E	106 SIERRA GRANDE	BISHOP	CA	93514	Inyo
013-271-11	RASMUSSEN, DAVID R & BARBARA	PO BOX 1324	BISHOP	CA	93515	Inyo
013-271-12-00	ALDEN TRUST, THOMAS &KATHLEEN	109 SIERRA GRANDE	BISHOP	CA	93514	Inyo
013-272-10	SNYDER TRUST, GENE	2730 W SUNSET DR	BISHOP	CA	93514	Inyo
013-272-11-00	MCCLENAGHAN, BARBARA	2246 GERKIN RD	BISHOP	CA	93514	Inyo
013-272-12-00	MCKINLEY, RUSTY	2226 GERKIN RD	BISHOP	CA	93514	Inyo
013-272-13-00	WADSWORTH TRUST, ELWYNE & KAY	PO BOX 578	BISHOP	CA	93515	Inyo
018-010-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-010-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-010-12-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
018-010-13-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
018-010-16-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
018-040-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-080-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-090-01-00	COUNTY OF INYO	PO BOX N	INDEPENDENCE	CA	93526	Inyo
018-090-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-090-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-090-07-02	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514-3449	Inyo
018-090-11-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-090-13-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-090-16-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
018-090-17-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-090-18-00	USA BUREAU OF INDIAN AFFAIRS	1800 TRIBUTE RD	SACRAMENTO	CA	95815	Inyo
018-120-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-120-05-00	BIG PINE CEMETERY DIST	PO BOX N	INDEPENDENCE	CA	93526	Inyo
018-120-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018120BLM	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	93514	Inyo
018-120-U-NP	Not Available	Not Available				Inyo
018-200-01	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-200-03-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018200BLM	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	93514	Inyo
018-200-U-NP	Not Available	Not Available				Inyo
018-210-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-210-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo

018-210-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-220-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-220-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-220-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-220-U-NP	Not Available	Not Available				Inyo
018-220-U-NP	Not Available	Not Available				Inyo
018-230-01	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-230-01	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-230-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-230-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-230-10-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
018-230-11	SOUTHERN PACIFIC TRANS CO C/O PROPERTY TAX D	1400 DOUGLAS, STOP 1640	OMAHA	NE	68179-1640	Inyo
018-230-12-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
018-230-12-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
018-230-13-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
018-230-15-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
021-030-01	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-030-01	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-030-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-030-03-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-030-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-030-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-030-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-030-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-030-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-060-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-060-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-060-09-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-060-11-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-060-11-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-060-12-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-060-13-00	SOUTHERN PACIFIC TRANS CO	1400 DOUGLAS STOP	OMAHA	NE	68179	Inyo
021-060-14-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-060-15-00	SOUTHERN PACIFIC TRANS CO	1400 DOUGLAS STOP	OMAHA	NE	68179	Inyo
021-060-16	SOUTHERN PACIFIC TRANS CO C/O PROPERTY TAX D	1400 DOUGLAS, STOP 1640	OMAHA	NE	68179-1640	Inyo
021-060-17-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-060-19-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
021-060-20	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	95825	Inyo
021-060-21	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	95825	Inyo
021-060-22-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
021-070-04-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-070-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-110-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-110-03-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-140-06	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo

021-140-06	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-140-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-140-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-200-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-200-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-200-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-210-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-210-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-210-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-210-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-210-09-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-210-10-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-210-11-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-220-03-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
021-220-11-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-120-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-120-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-120-03-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-120-04-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-120-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-120-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-140-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-140-10-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-150-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-150-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-150-09	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-150-10-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-150-14-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-150-15-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-150-16-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-150-17	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-160-03-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-160-04-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-160-10-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
022-160-15-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-040-15-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-040-20-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-040-21-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-040-23-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-080-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-080-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-080-09-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-090-04	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-090-04	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-120-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo

023-130-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-130-01-02	KEMP, SCOTT	PO BOX P	INDEPENDENCE	CA	93526	Inyo
023-130-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-130-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-130-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
023-130-12	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	95825	Inyo
026-020-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-020-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-020-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-020-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-020-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-020-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-020-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-030-01-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-030-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-030-23-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-050-03-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-050-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-050-14-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-050-15-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-060-04-00	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	Inyo
026-060-04-00	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	Inyo
026-060-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-060-12-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-060-15-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-060-15-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-060-17-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-060-26-00	SOUTHERN PACIFIC TRANS CO	1400 DOUGLAS STOP	OMAHA	NE	68179	Inyo
026-060-27-00	CALAMARO-OLMSTEAD TRUST	PO BOX 82	BIG PINE	CA	93513	Inyo
026-060-28	SOUTHERN PACIFIC TRANS CO C/O PROPERTY TAX D	1400 DOUGLAS, STOP 1640	OMAHA	NE	68179-1640	Inyo
026-060-29	CALAMARO, MICHAEL H	PO BOX 82	BIG PINE	CA	93513	Inyo
026-070-11	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-070-11	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-100-02	LONE PINE FUEL MGMT, INC	7883 SVL BOX	VICTORVILLE	CA	92395	Inyo
026-100-03	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-100-03-02	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-100-03-03	FELTON, ALDENE F	320 ROSEDALE DR	INDEPENDENCE	CA	93526	Inyo
026-100-03-04	LONE PINE FEED/GARDEN SUPPLY	STAR RT BOX 1	LONE PINE	CA	93545	Inyo
026-100-04	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-100-14-00	SO INYO HOSPITALITY LLC	PO BOX C	LONE PINE	CA	93545	Inyo
026-100-15	LP INVESTMENT GROUP INC	PO BOX C	LONE PINE	CA	93545	Inyo
026-100-17	CRISPIN, JEAN G 1/4	PO BOX 1026	LONE PINE	CA	93545	Inyo
026-100-18	GARDNER TR, GWEN &FRANCES LSR	PO BOX 920	LONE PINE	CA	93545	Inyo
026-100-18-02	GARDNER'S HOME & SPORTS CTR	PO BOX 920	LONE PINE	CA	93545	Inyo
026-140-02-00	SOUTHERN PACIFIC TRANS CO	1400 DOUGLAS STOP	OMAHA	NE	68179	Inyo

026-140-03-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-140-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-140-15-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-170-01	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-170-01	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-170-01	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-170-01	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-170-06-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-170-07-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-170-11-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
026-170-13-00	STATE OF CA LANDS DIVN	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
026-170-21	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	95825	Inyo
026-170-22-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
026-170-25-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
026-180-02-00	STATE OF CA LANDS DIVN	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
026-180-02-00	STATE OF CA LANDS DIVN	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
026-180-02-00	STATE OF CA LANDS DIVN	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
026-180-03-00	SOUTHERN PACIFIC TRANS CO	1400 DOUGLAS STOP	OMAHA	NE	68179	Inyo
026-180-08-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
026-910-00	CARRANZA, ARTURO & OLGA	PO BOX 466	LONE PINE	CA	93545	Inyo
026-910-01	WHISLER, STEVE	PO BOX 580	LONE PINE	CA	93545	Inyo
026-910-06	ACEVEDO, FRED & PATTY	PO BOX 163	LONE PINE	CA	93545	Inyo
026-910-07	GUTIERREZ, DORA	PO BOX 114	OLANCHA	CA	93549	Inyo
026-910-08	ISIDRO, EMANUEL	PO BOX 1152	LONE PINE	CA	93545	Inyo
029-100-17-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
029-100-39	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
029-100-40	STATE OF CA LANDS DIVN	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
029-100-41-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-100-42-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-100-43-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-100-44-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-100-53-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-100-61-00	NICKERSON, THOMAS ETUX	PO BOX 969	INYOKERN	CA	93527	Inyo
029-100-62-00	PALAMAR, SCOTT D	PO BOX 188647	SIOUX FALLS	SD	57186	Inyo
029-100-63	TATUM, TANI L	2000 DIXON LN	BISHOP	CA	93514	Inyo
029-100-63	TATUM, TANI L	2000 DIXON LN	BISHOP	CA	93514	Inyo
029-100-64-00	U S BORAX INC	4700 DAYBREAK PKWY	SOUTH JORDAN	UT	84095	Inyo
029-100-65-00	U S BORAX INC	4700 DAYBREAK PKWY	SOUTH JORDAN	UT	84095	Inyo
029-110-06-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-120-32-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
029-120-37-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-120-38-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-120-39-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-170-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
029-170-13-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo

029-170-14-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-180-05-00	STATE OF CA LANDS DIVN	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
029-180-08-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-180-15-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-180-17-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-180-26-00	U S BORAX INC	4700 DAYBREAK PKWY	SOUTH JORDAN	UT	84095	Inyo
029-180-26-00	U S BORAX INC	4700 DAYBREAK PKWY	SOUTH JORDAN	UT	84095	Inyo
029-180-RR-00	Not Available	Not Available				Inyo
029-190-03-00	STATE OF CA LANDS DIVN	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
029-190-04-00	CG ROXANE LLC	PO BOX A	OLANCHA	CA	93549	Inyo
029-190-08-00	STATE OF CA DEPT OF FISH&GAME	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
029-190-09-00	PALAMAR, SCOTT D	PO BOX 188647	SIOUX FALLS	SD	57186	Inyo
029-190-11-00	SOUTHERN PACIFIC TRANS CO	1400 DOUGLAS STOP	OMAHA	NE	68179	Inyo
029-190-12-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-190-13-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-190-16-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-190-17-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
029-190-20-00	STATE OF CA LANDS DIVN	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
029-190-21-00	STATE OF CA LANDS DIVN	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
029-190-22-00	MCNEAL TRUST ETAL	8830 KULKA RD	LAS VEGAS	NV	89161	Inyo
029-190-22-00	MCNEAL TRUST ETAL	8830 KULKA RD	LAS VEGAS	NV	89161	Inyo
029-190-24	SOUTHERN PACIFIC TRANS CO C/O PROPERTY TAX D	1400 DOUGLAS, STOP 1640	OMAHA	NE	68179-1640	Inyo
029-200-11-00	STATE OF CA DEPT OF FISH&GAME	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
033-020-26-00	CG ROXANE LLC	PO BOX A	OLANCHA	CA	93549	Inyo
033-020-27-00	CG ROXANE LLC	PO BOX A	OLANCHA	CA	93549	Inyo
033-050-01-00	CG ROXANE LLC	PO BOX A	OLANCHA	CA	93549	Inyo
033-050-02-00	STATE OF CA LANDS DIVN	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
033-050-04-00	CG ROXANE LLC	PO BOX A	OLANCHA	CA	93549	Inyo
033-050-08-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
033-050-09-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
033-050-15-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
033-110-04-00	THIES TRUST, RICHARD O	PO BOX 8112	NEWPORT BEACH	CA	92658	Inyo
033-110-07	PAUL, THOMAS J ETUX	PO BOX 110	OLANCHA	CA	93549	Inyo
033-110-08-00	HUNTER, ROY &JUANITA LIFE EST	PO BOX 26	OLANCHA	CA	93549	Inyo
033-110-11-00	SALERNO, PETER & ENEIDA	1241 LINDEN AVE	GLENDALE	CA	91201	Inyo
033-110-13-00	SHAPIRO TRUST, JON & JUDITH 2	10713 MAPLE HILL CIR	SANDY	UT	84092	Inyo
033-110-25-00	JETT, ROBERT E	74 HIBISCUS WAY	VENTURA	CA	93004	Inyo
033-110-31-00	MATHIS, BRYAN N ETUX	10876 LOMA VISTA RD	VENTURA	CA	93004	Inyo
033-110-36-00	TAMM, DURGA C	PO BOX 94	OLANCHA	CA	93549	Inyo
033-110-37	BARKER, LANTZ O & KATHRYN L	10751 E LINE DR	KINGMAN	AZ	86401	Inyo
033-110-37	BARKER, LANTZ O & KATHRYN L	10751 E LINE DR	KINGMAN	AZ	86401	Inyo
033-110-40-00	BOHL, JEFFREY P	PO BOX 69	OLANCHA	CA	93549	Inyo
033-110-50-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
033-210-02	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
033-210-03	SOUTHERN PACIFIC TRANS CO C/O PROPERTY TAX D	1400 DOUGLAS, STOP 1640	OMAHA	NE	68179-1640	Inyo

033-210-16-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
033-210-17-00	BARRINGER TRUST, TE & MC	1911 MANZANITA DR	OAKLAND	CA	94611	Inyo
033-210-27-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
033-210-28-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
033-210-29-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
033-240-05-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
033-240-10	SOUTHERN PACIFIC TRANS CO C/O PROPERTY TAX D	1400 DOUGLAS, STOP 1640	OMAHA	NE	68179-1640	Inyo
033-240-12-00	BEILICKE, DEITER & CATHERINE	PO BOX 35	OLANCHA	CA	93549	Inyo
033-240-18	CITY OF LOS ANGELES DWP C/O REAL ESTATE SEC	300 MANDICH ST	BISHOP	CA	93514	Inyo
033-240-22-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
033-240-23-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
033-240-30-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
033-240-31-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
033-360-15	HAGLER TRUST, ROBERT	PO BOX 881242	SAN DIEGO	CA	92168-1242	Inyo
033-360-16	STEWART, CHARLES E	9009 HANNAN	ROMULUS	MI	48174	Inyo
033-360-20	PALMER, ROBERT H & MARTHA D	142 CR 118	RICEVILLE	TN	37370	Inyo
033-360-21	PALMER, ROBERT D	142 CR 118	RICEVILLE	TN	37370	Inyo
033-360-24	DEWS, THOMAS N	PO BOX 179	OLANCHA	CA	93549	Inyo
033-400-12-00	SMITH, STEVEN P & ELLA L	151 WALKER CRK RD	OLANCHA	CA	93549	Inyo
033-400-13-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
033-460-07-00	MIDDLETON, DAVID E	10575 PINEHILL DR	SHADOW HILLS	CA	91040	Inyo
033-460-08	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	93514	Inyo
033-460-12-00	FAVOR, GEORGINE	52 HONEYSUCKLE DR	MANAHAWKIN	NJ	8050	Inyo
033-460-13-00	ROBBINS TRUST, INGEBORG E	2527 152ND ST	GARDENA	CA	90249	Inyo
033-460-23-00	PLH LLC	222 9TH ST	MINNEAPOLIS	MN	55402	Inyo
033-460-24-00	PLH LLC	222 9TH ST	MINNEAPOLIS	MN	55402	Inyo
033-470-08-00	CG ROXANE LLC	PO BOX A	OLANCHA	CA	93549	Inyo
033-500-02-00	CARPENTER, KENNETH	2261 LONGVIEW DR	BISHOP	CA	93514	Inyo
033-500-04-00	VASQUEZ, STEVEN & ANGELA 1/3	12001 SHOEMAKER AVE	SANTA FE SPGS	CA	90670	Inyo
033-500-05-00	MLH LLC	PO BOX 2611	APPLE VALLEY	CA	92307	Inyo
033-500-05-00	MLH LLC	PO BOX 2611	APPLE VALLEY	CA	92307	Inyo
033-500-06-00	PLH LLC	222 9TH ST	MINNEAPOLIS	MN	55402	Inyo
033-500-07-00	PLH LLC	222 9TH ST	MINNEAPOLIS	MN	55402	Inyo
037-020-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
037-020-04-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
037-020-14-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
037-020-16-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
037-020-17-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
037-020-18-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
037-030-02-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
037-040-02-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
037-040-03-00	COSO HAY RANCH	PO BOX 1690	INYOKERN	CA	93527	Inyo
037-040-23-00	COSO HAY RANCH LLC	PO BOX 1690	INYOKERN	CA	93527	Inyo
037-040-28-00	TEHACHAPI LAND HOLDINGS LLC	437 MADISON AVE	NEW YORK	NY	10022	Inyo
037-040-30-00	TEHACHAPI LAND HOLDINGS LLC	437 MADISON AVE	NEW YORK	NY	10022	Inyo

037-040-37-00	CITY OF LOS ANGELES DWP	300 MANDICH ST	BISHOP	CA	93514	Inyo
037-040-39-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
037-040-41-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
037-070-09-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
037080BLM	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	93514	Inyo
037080BLM	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	93514	Inyo
037080BLM	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	93514	Inyo
037080BLM	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	93514	Inyo
037080BLM	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	93514	Inyo
037-080-BL-M0	Not Available	Not Available				Inyo
037-090-08-00	Not Available	Not Available				Inyo
037-090-08-00	Not Available	Not Available				Inyo
037-090-10	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	95825	Inyo
037-090-10	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	95825	Inyo
037-090-10	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY E-2807	SACRAMENTO	CA	95825	Inyo
037-090-11	ANGELES BLOCK CO INC C/O ANGELUS BLOCK CO IN	11374 TUXFORD ST	SUN VALLEY	CA	91352	Inyo
037-120-17-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
037-120-19-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
037-120-22-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
037-120-26-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
037-150-BL-M0	Not Available	Not Available				Inyo
037-150-BL-M0	Not Available	Not Available				Inyo
037-150-BL-M0	Not Available	Not Available				Inyo
037-150-BL-M0	Not Available	Not Available				Inyo
037-150-RR-00	Not Available	Not Available				Inyo
037-160-07-00	BARKER TRUST, R K & MARY 1/2	7711 WINDING WAY	FAIR OAKS	CA	95628	Inyo
037-160-49-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
037-160-50-00	USA BUREAU OF LAND MGMT	2800 COTTAGE WAY	SACRAMENTO	CA	95825	Inyo
037-160-51-00	SOUTHERN PACIFIC TRANS CO	1400 DOUGLAS STOP	OMAHA	NE	68179	Inyo
037-170-04-00	LITTLE LAKE RANCH INC	506 CRICKETFIELD CT	THOUSAND OAKS	CA	91361	Inyo
037-170-06-00	LITTLE LAKE RANCH INC	506 CRICKETFIELD CT	THOUSAND OAKS	CA	91361	Inyo
037-170-07-00	LITTLE LAKE RANCH INC	506 CRICKETFIELD CT	THOUSAND OAKS	CA	91361	Inyo
037-220-14-00	SCOFIELD, DONALD L	514 AMERICAS WAY	BOX ELDER	SD	57719	Inyo
037-230-12-00	Not Available	Not Available				Inyo
037-230-12-00	Not Available	Not Available				Inyo
037-230-15	CALAMARO, MICHAEL H	PO BOX 82	BIG PINE	CA	93513	Inyo
037-250-01-00	PEARSON TRUST 1/2 & 1/2	246 DRUMMOND AVE	RIDGECREST	CA	93555	Inyo
037-250-02-00	PEARSON TRUST 1/2 & 1/2	246 DRUMMOND AVE	RIDGECREST	CA	93555	Inyo
037-250-03-00	BORDERS, JEFF A	12913 BONANZA RD	VICTORVILLE	CA	92392	Inyo
037-260-01-00	STATE OF CA LANDS DIVN	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
037-260-01-00	STATE OF CA LANDS DIVN	1807 13TH ST	SACRAMENTO	CA	95814	Inyo
037-390-01-00	USA NAVY DEPARTMENT	NAVAL WEAPONS CENTER	CHINA LAKE	CA	93555	Inyo
037-440-01-00	USA NAVY DEPARTMENT	NAVAL WEAPONS CENTER	CHINA LAKE	CA	93555	Inyo
037-440-02	SOUTHERN PACIFIC TRANS CO C/O PROPERTY TAX D	1400 DOUGLAS, STOP 1640	OMAHA	NE	68179-1640	Inyo
037-450-01-00	USA NAVY DEPARTMENT	NAVAL WEAPONS CENTER	CHINA LAKE	CA	93555	Inyo

037-450-BL-M0	Not Available	Not Available				Inyo
056-071-29	COOLEY SCOTT M 1997 SEP PROP TRUST	15900 KENNEDY RD	LOS GATOS	CA	93032-6531	Kern
056-071-37	COOLEY SCOTT M SEP PROP TR	15900 KENNEDY RD	LOS GATOS	CA	93032-6531	Kern
056-072-02	U S A	UNKNOWN				Kern
056-072-05	MOJAVE PISTACHIOS LLC	4831 CALLOWAY DR STE 102	BAKERSFIELD	CA	93312-9710	Kern
056-073-01	U S A	UNKNOWN				Kern
056-073-02	MORALES AVILA FAMILY 2014 REV TR	1436 CAROB WY	MONTEBELLO	CA	90640-6413	Kern
056-073-05	U S A	UNKNOWN				Kern
056-073-06	ANDERSON DAVID J & MARJOLIJN	8706 HILL RD	INYOKERN	CA	93527	Kern
056-073-07	BEYERS JOHANNES J	110 SW CEDAR ST	PULLMAN	WA	99163-2915	Kern
056-073-08	BEYERS JOHANNES J	110 SW CEDAR ST	PULLMAN	WA	99163-2915	Kern
056-073-09	BROWN ROAD FIELDS LLC	PO BOX 1627	INYOKERN	CA	93527-1627	Kern
056-073-10	CZIBOVIC THOMAS CHARLES	8800 HILL RD	INYOKERN	CA	93527	Kern
056-093-02	U S A	UNKNOWN				Kern
056-095-17	U S A	UNKNOWN				Kern
056-095-18	BROWN ROAD FIELDS LLC	PO BOX 1627	INYOKERN	CA	93527-1627	Kern
056-095-20	BROWN ROAD FIELDS LLC	PO BOX 1627	INYOKERN	CA	93527-1627	Kern
056-170-01	LIND INGELA	ASTAD 19	TVAAKER	Sweden	432 77	Kern
056-170-02	U S A	UNKNOWN				Kern
056-180-02	U S A	UNKNOWN				Kern
056-180-05	CUDE DAWN M	P O BOX 11287	YAKIMA	WA	90013	Kern
056-180-06	NIM RYAN	866 BERRYESSA ST	MILPITAS	CA	90013	Kern
056-180-08	KAYED CAROL	7221 OAKDALE AV	WINNETKA	CA	90013	Kern
056-180-09	KAYED CAROL	7221 OAKDALE AV	WINNETKA	CA	90013	Kern
056-180-10	NIM RYAN	866 BERRYESSA ST	MILPITAS	CA	90013	Kern
056-180-11	NIM RYAN	866 BERRYESSA ST	MILPITAS	CA	90013	Kern
056-191-09	AURORA DORRANCE LLC	PO BOX 973	RIDGECREST	CA	90013	Kern
056-191-10	LANDAU STEPHEN J	632 POINSETTIA PL	LOS ANGELES	CA	90013	Kern
056-191-13	U S A	UNKNOWN				Kern
056-280-14	BROWN ROAD FIELDS LLC	PO BOX 1627	INYOKERN	CA	93527-1627	Kern
056-280-15	BROWN ROAD FIELDS LLC	PO BOX 1627	INYOKERN	CA	93527-1627	Kern
056-280-16	BROWN ROAD FIELDS LLC	PO BOX 1627	INYOKERN	CA	93527-1627	Kern
056-280-17	BROWN ROAD FIELDS LLC	PO BOX 1627	INYOKERN	CA	93527-1627	Kern
056-280-22	BROWN ROAD FIELDS LLC	PO BOX 1627	INYOKERN	CA	93527-1627	Kern
056-280-23	BROWN ROAD FIELDS LLC	PO BOX 1627	INYOKERN	CA	93527-1627	Kern
056-320-06	MEADOWBROOK DAIRY REAL ESTATE LLC	PO BOX 1627	INYOKERN	CA	93527-1627	Kern
056-330-14	BROWN ROAD FIELDS LLC	PO BOX 1627	INYOKERN	CA	93527-1627	Kern
056-380-12	MOJAVE PISTACHIOS LLC	4831 CALLOWAY DR STE 102	BAKERSFIELD	CA	93312-9710	Kern
056-380-13	MOJAVE PISTACHIOS LLC	4831 CALLOWAY DR STE 102	BAKERSFIELD	CA	93312-9710	Kern
067-050-18	MOWER MICHAEL R & PAULA	PO BOX 1627	RIDGECREST	CA	93556	Kern
080-020-45	PACIFIC GAS & ELECTRIC CO	1 MARKET PZ STE 400	SAN FRANCISCO	CA	94105-1004	Kern
080-020-67	CALIFORNIA ELECTRIC CO					Kern
080-020-68	SOU CAL EDISON CO	2244 WALNUT GROVE AV 110M	ROSEMEAD	CA	91770-3714	Kern
080-020-69	CALIF INTERSTATE TEL CO					Kern
080-182-07	WITTEN BERNARD FRANK	424 LENORE ST	RIDGECREST	CA	93555-4132	Kern

080-182-08	SIEVERT ERIC STEVEN & HOPI	428 LENORE ST	RIDGECREST	CA	93555-4132	Kern
080-182-09	LEWIS DAVID RICHARD & CHRYSTAL KAY	PO BOX 54444	MILLINGTON	TN	38054-0444	Kern
080-182-10	SMITH RICHARD IAN & VIRGINIA TERESA	150 E UPJOHN AV	RIDGECREST	CA	93555-4160	Kern
080-183-07	AVANS BRUCE	P O BOX 559	DEATH VALLEY	CA	92328-0559	Kern
080-183-08	LAFFERTY GERALD N	427 LENORE ST	RIDGECREST	CA	93555-4131	Kern
080-183-09	SEIFERT LELAND J	429 LENORE ST	RIDGECREST	CA	93555	Kern
080-183-10	CORNELIUS RICHARD & MARGARET FMLY TR	525 S ERIN ST	RIDGECREST	CA	93555	Kern
080-192-04	AJB ASSENTERS LLC	426 S CHINA LAKE BL	RIDGECREST	CA	93555	Kern
080-192-10	OBEID JAMA ABDUL & SAMAR M REV LIV TRUST	27490 GLENWOOD DR	MISSION VIEJO	CA	92692-5005	Kern
080-192-11	YU PYONG O & MYONG SUN REV LIV TR	2141 SKYE DR	RIVERSIDE	CA	92506-5554	Kern
080-221-06	FED NATL MTG ASSN	14221 DALLAS PKWY STE 1000	DALLAS	TX	75254-2946	Kern
080-221-07	LYTLE KERRY VANCE TRUST	425 KARIN ST	RIDGECREST	CA	93555-4127	Kern
080-221-08	KEELING KENNETH A & LILLIAN K	429 S KARIN ST	RIDGECREST	CA	93555	Kern
080-222-01	DVP LP	PO BOX 841	VISALIA	CA	93279-0841	Kern
080-222-02	SZAPOR DEIRDRE	424 KARIN ST	RIDGECREST	CA	93555-4128	Kern
080-261-07	SOARD RICHARD	212 E HAYDEN	RIDGECREST	CA	93555	Kern
080-261-08	SCOTT SETH A & KIMBERLEE A	P O BOX 2332	RIDGECREST	CA	93556	Kern
080-261-09	HARKER FAMILY TRUST	204 E HAYDEN ST	RIDGECREST	CA	93555	Kern
080-261-10	AUSTIN KENNETH D & SANDRA D	200 E HAYDEN AV	RIDGECREST	CA	93555-5301	Kern
080-261-11	KHALIFEH TAMARA S	601 S GEMSTONE ST	RIDGECREST	CA	93555	Kern
080-261-12	CHURCHILL ROBERT BRUCE TR	605 GEMSTONE ST	RIDGECREST	CA	93555	Kern
080-261-13	RIDDLE MACE CLELL & KARENA RENEE	609 S GEMSTONE ST	RIDGECREST	CA	93555	Kern
080-261-14	ADDISON TRACY	613 S GEMSTONE ST	RIDGECREST	CA	93555-5304	Kern
080-262-07	PEREZ JOHNNY S & MONICA M	604 S GEMSTONE ST	RIDGECREST	CA	93555	Kern
080-262-08	MC KINNEY PATRICK D & TAMMY	600 S GEMSTONE ST	RIDGECREST	CA	93555-5303	Kern
080-290-24	GREEN ACRES HOMEOWNERS ASSN	243-0 UPJOHN EAST	RIDGECREST	CA	93555	Kern
080-310-01	YEPES GUSTAVO	147 E UPJOHN AV	RIDGECREST	CA	93555-4178	Kern
080-310-02	CHOI EDWARD & CHANG H FMLY REV TR	127 N MADISON AV STE 208	PASADENA	CA	91101-1715	Kern
080-310-03	LUEVANO BRIAN A	325 W INYOKERN RD	RIDGECREST	CA	93555	Kern
080-310-04	STONER CHAD & STACEY FAM TR	10411 GAINSBOROUGH CT	BAKERSFIELD	CA	93312-7040	Kern
080-310-05	STEINMETZ MICHAEL DAVID	PO BOX 583	RIDGECREST	CA	93556-0583	Kern
080-310-06	MURPHY FAMILY TRUST	P O BOX 62	RIDGECREST	CA	93556	Kern
080-310-07	BALES MICHAEL J	159 E UPJOHN AV	RIDGECREST	CA	93555-4178	Kern
080-310-08	CAVENAUGH TESSA C	301 CYCLE PLANT RD	BENTON	LA	71006-8654	Kern
080-310-09	SAXTON BRIAN	163 E UPJOHN AV	RIDGECREST	CA	93555-4178	Kern
080-310-10	SHERMER KYLE	165 E UPJOHN AV	RIDGECREST	CA	93555-4178	Kern
080-310-11	GARCIA AUTUMN D	1104 W VICKI AV	RIDGECREST	CA	93555-3055	Kern
080-310-12	SJD PROPERTIES LLC	937 BIRMINGHAM RD	BURBANK	CA	91504	Kern
080-310-17	COLBERT WANDA F	5413 AMBERDALE WY	ANTIOCH	CA	94531-8058	Kern
080-310-18	YOUNG NATALIE M	231 S SUNLAND ST	RIDGECREST	CA	93555-4234	Kern
080-310-19	LLOYD MICAH SAMUEL	185 E UPJOHN AV	RIDGECREST	CA	93555-4179	Kern
080-310-20	SWING JASON GREGORY	737 BRYANN CI	RIDGECREST	CA	93555	Kern
080-310-21	BLUE SKY REV TRUST	6523 MEADOWRIDGE DR	SANTA ROSA	CA	95409-5817	Kern
080-310-22	ASHERLEE LLC TRUST	442 S HOLLY CANYON DR	RIDGECREST	CA	93555-4279	Kern
080-310-23	SANFORD FRANK D	PO BOX 664	RIVERSIDE	CA	92502	Kern

080-310-24	CAVENAUGH CYNTHIA DIANE	217 E UPJOHN AV	RIDGECREST	CA	93555-4173	Kern
080-310-28	GREEN ACRES TOWNHOUSES INC	243-0 UPJOHN EAST	RIDGECREST	CA	93555	Kern
080-320-01	BRAUN CHERRYL L	167 E UPJOHN AV	RIDGECREST	CA	93555	Kern
080-320-02	VINCENT ASHLEY	169 E UPJOHN AV	RIDGECREST	CA	93555-4178	Kern
080-320-03	SPRANKLE PHILLIP GEORGE TRUST	171 E UPJOHN AV	RIDGECREST	CA	93555-4179	Kern
080-320-04	GONSETH FRANK JOHN	173 E UPJOHN AV	RIDGECREST	CA	93555	Kern
080-320-05	PHILLIP JEFFREY W	175 E UPJOHN AV	RIDGECREST	CA	93555-4179	Kern
080-320-06	WALTERS LAURITA RAY	177 E UPJOHN AV	RIDGECREST	CA	93555-4179	Kern
080-320-07	BOYER SAMMERI	893 INDEPENDENCE AV	AKRON	OH	44310-2521	Kern
080-320-08	JONES JOSHUA	191 E UPJOHN AV	RIDGECREST	CA	93555-4179	Kern
080-320-09	HUFF ALAN K	193 E UPJOHN AV	RIDGECREST	CA	93555	Kern
080-320-10	SWOR RONALD GUY	195 E UPJOHN AV	RIDGECREST	CA	93555	Kern
080-320-11	CAMPOS DYLAN	197 E UPJOHN AV	RIDGECREST	CA	93555-4179	Kern
080-320-12	LAPE MATTHEW	199 E UPJOHN AV	RIDGECREST	CA	93555-4179	Kern
080-320-13	HENDEN KAYLA	534 KEVIN CT	RIDGECREST	CA	93555-3420	Kern
080-320-14	VILLAROSA JAMIE	227 E UPJOHN AV	RIDGECREST	CA	93555	Kern
080-320-15	PELZ LIVING TRUST	3609 ROCKCREST CT	BAKERSFIELD	CA	93311-2211	Kern
080-320-27	GREEN ACRES OF KERN COUNTY	243-0 UPJOHN EAST	RIDGECREST	CA	93555	Kern
084-010-02	SOUTHERN CALIF EDISON CO	2244 WALNUT GROVE AV	ROSEMEAD	CA	91770-3714	Kern
084-010-11	SOUTHERN CALIF EDISON CO	2244 WALNUT GROVE AV	ROSEMEAD	CA	91770-3714	Kern
084-010-49	LINDGREN JANICE MARIE	1009 W UPJOHN AV	RIDGECREST	CA	93555	Kern
084-010-50	LINDGREN JANICE MARIE	1009 W UPJOHN AV	RIDGECREST	CA	93555	Kern
084-010-51	LINDGREN JANICE MARIE	1009 W UPJOHN AV	RIDGECREST	CA	93555	Kern
084-010-52	LINDGREN JANICE MARIE	1009 W UPJOHN AV	RIDGECREST	CA	93555	Kern
084-022-17	PECKHAM HENRY W & LILLIAN C	2072 SWIFT AV	CLOVIS	CA	93611	Kern
097-070-02	U S A	UNKNOWN				Kern
097-070-05	U S A	UNKNOWN				Kern
097-090-02	U S A	UNKNOWN				Kern
097-090-03	U S A	UNKNOWN				Kern
097-090-04	U S A	UNKNOWN				Kern
097-090-05	U S A	Unknown				Kern
097-110-04	U S A	UNKNOWN				Kern
097-110-05	BARTON SPENCER K	PO BOX 671	FERRON	UT	84523-0671	Kern
097-110-05	GEORGE HAY CORP LTD	2001 22ND ST STE 100	BAKERSFIELD	CA	93301	Kern
097-110-05	MC CASLINE ANTHONY H	11570 SW TERRACE TRAILS DR	TIGARD	OR	97223	Kern
097-110-05	ARGUBRIGHT STEVE & CHERYL	18140 INDEX ST	NORTHRIDGE	CA	91326	Kern
097-110-05	DEL COMA DOLORES A	P O BOX 927	THOUSAND PALMS	CA	92276	Kern
097-110-05	WOOLDRIDGE JOSEPH E & AILEEN H TR	6627 RIVER GROVE ST	BAKERSFIELD	CA	93308-9765	Kern
097-110-05	WOOLDRIDGE JOSEPH E & AILEEN H TR	6627 RIVER GROVE ST	BAKERSFIELD	CA	93308-9765	Kern
097-200-06	U S A	UNKNOWN				Kern
097-210-02	U S A					Kern
154-170-02	U S A	UNKNOWN				Kern
154-170-03	U S A	UNKNOWN				Kern
154-170-04	U S A	UNKNOWN				Kern
154-170-05	SULLY MILLER CONTRACTING CO	135 S STATE COLLEGE BL # 400	BREA	CA	92821	Kern

154-170-06	U S A	UNKNOWN				Kern
154-180-01	U S A	UNKNOWN				Kern
154-180-06	U S A	UNKNOWN				Kern
154-180-13	U S A	UNKNOWN				Kern
154-180-16	ADAMS ANALISA B	1085 BLACK MOUNTAIN RD	HILLSBOROUGH	CA	94010-7058	Kern
154-190-08	FISCHER SUSAN M & JAMES M REV LIVING TRUST	10201 VANALDEN AV	NORTHRIDGE	CA	91324	Kern
154-190-09	SOUTHERN CALIF EDISON CO	2244 WALNUT GROVE AV	ROSEMEAD	CA	91770-3714	Kern
154-190-10	SPECTOR MARTIN	P O BOX 6732	INCLINE VLG	NV	89450	Kern
154-200-02	U S A	UNKNOWN				Kern
154-200-03	U S A	UNKNOWN				Kern
155-010-02	WALKER WILLIAM M & THOMAS D	P O BOX 770	LOTUS	CA	95651	Kern
155-010-03	LITTL BUTTE MINING & MILLNG CO	800 PAIGE DR	POMONA	CA	91768-1644	Kern
155-010-04	LITTL BUTTE MINING & MILLNG CO	800 PAIGE DR	POMONA	CA	91768-1644	Kern
155-010-05	BUTTE LODE MINING CO	853 W WASHINGTON BL	LOS ANGELES	CA	90015	Kern
155-010-20	U S A	UNKNOWN				Kern
155-020-05	DRESSELHAUS CARL D	845 W WASHINGTON BL	LOS ANGELES	CA	90015	Kern
155-020-07	BUTTE LODE MINING CO	800 PAIGE DR	POMONA	CA	91768-1644	Kern
155-020-20	DGRM LLC	711 E LA PALMA AV	ANAHEIM	CA	92801-2567	Kern
155-020-21	U S A	UNKNOWN				Kern
155-040-03	LAZAR JASON	48 ROCKAWAY RD	OAK VIEW	CA	93022-9305	Kern
155-040-04	LAZAR JASON TRENT & LISA CHRISTIE	48 ROCKAWAY RD	OAK VIEW	CA	93022-9305	Kern
155-040-05	WESTN GB CONTRACTING INC	2371 TORRANCE BL	TORRANCE	CA	90501-2579	Kern
155-040-07	DUNAGAN JOHN	1341 BIRCHIM LN	BISHOP	CA	93514-7629	Kern
155-040-11	ROMAN CATHOLIC BISHOP FRESNO	1550 N FRESNO ST	FRESNO	CA	93703	Kern
155-040-12	WORTHINGTON MILO	14154 S DENNY BL	LITCHFIELD PARK	AZ	85340-3066	Kern
155-040-14	HILL RICHARD & CORRINE	812 WILLOW ST	MYRTLE PT	OR	97458	Kern
155-040-15	HILL RICHARD L & CORRINE W	812 WILLOW ST	MYRTLE PT	OR	97458	Kern
155-040-16	WEGMAN W F	P O BOX 16052	S LAKE TAHOE	CA	96151	Kern
155-040-17	SHRINER CHRISTOPHER HAROLD & JENNIFER YEE C	414 GLENULLEN DR	PASADENA	CA	91105-2175	Kern
155-050-06	MARSHALL JESSE	81944 US HIGHWAY 111 STE E	INDIO	CA	92201-5443	Kern
155-050-07	MAC ARTHUR D K	38138 E 75TH ST	PALMDALE	CA	93552	Kern
155-050-12	BAKER RONALD D	22246 SKYLINE DR	APPLE VALLEY	CA	92308-8494	Kern
155-050-13	GEORGII PETER K	3585 BRAXTON COMMON	FREMONT	CA	94538-5426	Kern
155-050-14	GEORGII PETER K	3585 BRAXTON COMMON	FREMONT	CA	94538-5426	Kern
155-050-15	CBD OF LEHIGH ACRES LLC	PO BOX 470176	KISSIMMEE	FL	34747-0176	Kern
155-050-16	YODER KEITH	PO BOX 1016	JACKSONVILLE	OR	97530-1016	Kern
155-050-17	WAGNER DOUGLAS	434 CLIFTON ST	LOS ANGELES	CA	90031-2005	Kern
155-050-18	KOVALEFF KIRK	16082 WALTZ CI	HUNTINGTON BCH	CA	92649-2227	Kern
155-050-19	FREHAFER GLENN & PATRICIA	2877 HELIX ST	SPRING VALLEY	CA	91977-3332	Kern
155-050-20	BAKER RONALD D	2455 BLUEBIRD LN	BULLHEAD CITY	AZ	86442	Kern
155-050-21	TOTH DENNIS J	2877 HELIX ST	SPRING VALLEY	CA	91977	Kern
155-060-24	POST MEREDITH A	P O BOX 1	RANDSBURG	CA	93554	Kern
155-170-03	SHIPSEY MINING CO	800 PAIGE DR	POMONA	CA	91768-1644	Kern
155-170-04	SO SIERRA POWER CO					Kern
155-170-05	U S A	UNKNOWN				Kern

155-170-10	GRANNIS LAND CO	244 DEL MESA CARMEL	CARMEL	CA	93923-7959	Kern
182-070-02	ROYER FRANK W	23744 MAHOGANY CT	SANTA CLARITA	CA	91354	Kern
182-070-04	HARRISON CAROL LOUISE	23744 MAHOGANY CT	SANTA CLARITA	CA	91354	Kern
182-070-05	DRESSELHAUS CARL	800 PAIGE DR	POMONA	CA	91768-1644	Kern
182-070-10	DRESSELHAUS CARL D	800 PAIGE DR	POMONA	CA	91768-1644	Kern
182-070-12	U S A	UNKNOWN				Kern
182-080-01	TRIPLE NINE KELLY LLC	PO BOX 70	ANAHEIM	CA	92815	Kern
182-080-02	GRAHAM ALVARETTA E	12501 SOLARIS DR U 43	RANCHO CUCAMONG	CA	91739-1206	Kern
182-080-04	GRAHAM ALVARETTA E	12501 SOLARIS DR U 43	RANCHO CUCAMONG	CA	91739-1206	Kern
182-080-05	RAND MINING COMPANY	SUITE 3400 666 BURRARD STREET	VANCOUVER	BC	V6C 2X8	Kern
182-080-06	U S A	UNKNOWN				Kern
182-080-08	U S A	UNKNOWN				Kern
182-090-03	RAND MINING COMPANY	SUITE 3400 666 BURRARD STREET	VANCOUVER	BC		Kern
182-090-04	STEVENSON BOB & CASHMAN W G	P O BOX 2111	MONTEREY	CA	93940	Kern
182-090-04	RAND MINING CO	SUITE 3400 666 BURRARD ST	VANCOUVER	BC		Kern
182-090-07	U S A	UNKNOWN				Kern
182-130-04	U S A	UNKNOWN				Kern
182-130-05	U S A	UNKNOWN				Kern
182-130-06	DGRM LLC	711 E LA PALMA AV	ANAHEIM	CA	92801-2567	Kern
341-072-01	RUDNICK ESTATES TR	PO BOX 21441 ... 215	BAKERSFIELD	CA	93390-1441	Kern
341-082-23	ILIFF MARY FRANCES TRUST	35141 TEDESCA DR	PALM DESERT	CA	92211-3090	Kern
341-082-24	BARTOLI TRUST B	PO BOX 2	LANCASTER	CA	93584-0002	Kern
341-082-25	BARTOLI JOSEPH TRUST B	PO BOX 2	LANCASTER	CA	93584-0002	Kern
341-082-26	BARTOLI JOSEPH TRUST B	PO BOX 2	LANCASTER	CA	93584-0002	Kern
341-082-27	BARTOLI JOSEPH TRUST B	PO BOX 2	LANCASTER	CA	93584-0002	Kern
341-082-29	WOODMAN STANLEY G ET AL	P O BOX 9	GEORGETOWN	CA	95634	Kern
341-085-11	FAULDS DAVID J & BEVERLY A	2544 CROSSGATE ST	ORANGE	CA	92867	Kern
341-085-12	TYE PATRICK	110 E EVERGREEN DR # 12	KALISPELL	MT	59901	Kern
341-085-13	ZEHENDNER JASON L & MEGAN	PO BOX 274	INYOKERN	CA	93527-0274	Kern
341-085-14	AMBRE FAMILY TRUST	6752 CARTHAGE ST	SAN DIEGO	CA	92120-2824	Kern
341-085-22	ROGERS HENRY M & CATHERYNE S	4356 HEATHER AV	FORT MOJAVE	AZ	86426	Kern
341-085-25	DISCOUNTLAND INC	2261 MONACO DR	OXNARD	CA	93035-2915	Kern
341-085-27	DISCOUNTLAND INC	2261 MONACO DR	OXNARD	CA	93035-2915	Kern
341-085-29	PADGETT BARRY D FAMILY TRUST	217 W INYOKERN RD	RIDGECREST	CA	93555-2611	Kern
341-091-01	THILMONY OLIVENA E	7882 LAKE DR	ALGONAC	MI	48001	Kern
341-091-02	RUDNICK ESTATES TR	PO BOX 21441 ... 215	BAKERSFIELD	CA	93390-1441	Kern
341-091-04	U S A	UNKNOWN				Kern
341-091-05	BOWMAN DORWIN & VERONICA	765 CENTERWOOD RD	WILLISTON	SC	29853	Kern
341-091-06	GENTIL BARBARA L	3425 TULALIP AV	EVERETT	WA	98201-4157	Kern
341-110-01	U S A	UNKNOWN				Kern
341-110-02	U S A	UNKNOWN				Kern
341-110-05	U S A	UNKNOWN				Kern
341-110-06	U S A	UNKNOWN				Kern
341-130-03	STREET MARY L	3192 OAK GROVE RD	LOS ALAMITOS	CA	90720-4513	Kern
341-130-18	BELL GERALD D REVOCABLE TRUST	2894 PREECE ST	SAN DIEGO	CA	92111	Kern

341-130-23	U S A	UNKNOWN				Kern
341-140-10	SCHNELL ROBERT & NANCY FAMILY TRUST	2345 ROCK VIEW GLEN	ESCONDIDO	CA	92026	Kern
341-140-11	U S A	UNKNOWN				Kern
341-140-14	WILLIAMS TOM W	P O BOX 1383	INYOKERN	CA	93527	Kern
341-140-15	VNMSDW LLC	8000 BARTON RD	GRANITE BAY	CA	95746-9354	Kern
341-140-16	BIAS ROBERT L II	1150 BEVERLY WY	ESCONDIDO	CA	92026-3206	Kern
341-140-17	HARRELL LIV TR	P O BOX 21426	CARSON CITY	NV	89721	Kern
341-140-20	DAVIS THOMAS	49930 ELISE ST	LANCASTER	CA	93536-9140	Kern
341-140-21	ANTU JULIE MARIE	PO BOX 730787	SAN JOSE	CA	95173-0787	Kern
341-140-24	PARKER ALBION V	1975 HILLDALE DR	LA CANADA FLINT	CA	91011-3004	Kern
341-140-28	U S A	UNKNOWN				Kern
341-300-01	JOHNSON BILLY JOE	953 DOGWOOD	COSTA MESA	CA	92627	Kern
341-300-02	MC GINNIS JOHN H	636 JOYNER	RIDGECREST	CA	93555	Kern
341-300-03	ROMAN CATHOLIC BISHOP FRESNO	1550 N FRESNO ST	FRESNO	CA	93703	Kern
341-300-06	WADDINGTON JERRY W & HELEN E	5604 NORWALK CT	RIVERSIDE	CA	92505-2322	Kern
341-300-07	ANDERSON ROBERT L	801 W WARD AV SP 76	RIDGECREST	CA	93555-2446	Kern
341-300-08	PARISH JACQUELINE Y	P O BOX 8747	LOS ANGELES	CA	90008	Kern
341-300-09	LAWSON DAVID & STELLA FAMILY TRUST	543 FREDERICK LN	PRESCOTT	AZ	86301-5359	Kern
341-300-12	DENNIS THOMAS K & ALICE S	1290 WILLET CI	ANAHEIM	CA	92807	Kern
341-300-13	VENEY JOHN	2292 WEKIVA VILLAGE LN	APOPKA	FL	32703	Kern
341-300-14	LUNA MICHAEL EDWARD	6009 AMES LAKE RD	CARNATION	WA	98014	Kern
341-300-15	WEST DOUGLAS E & CHRISTINA	P O BOX 50	YUBA CITY	CA	95992	Kern
341-300-16	GOBOURNE LLOYD G JR & WANDA M	20508 TINNIN RD	MANTECA	CA	95337-8523	Kern
341-300-17	OROZCO ISIDRO & MARICELA	3818 ALSACE AV	LOS ANGELES	CA	90008	Kern
341-300-18	YOUNG NAK PRESBYTERIAN CH OF L A CORP	1721 N BROADWAY	LOS ANGELES	CA	90031-1763	Kern
341-300-20	GOLDEN STATE HOLDINGS LLC	5560 S FORT APACHE RD	LAS VEGAS	NV	89148	Kern
341-300-21	ALLMARK ENTERPRISES	5556 BILL CODY RD	HIDDEN HILLS	CA	91302-1101	Kern
341-300-22	LOWE LELAND K	7252 VINE ST	HIGHLAND	CA	92346-2936	Kern
341-300-23	GASTON LEAH	PO BOX 430	FIDDLETOWN	CA	95629-0430	Kern
341-300-24	BEAGAN SANDRA J	464 SULLIVAN WY	MOUNTAIN HOUSE	CA	95391	Kern
341-300-25	GARCIA ALEJANDRA BAZA DE	108 FARGO WY	FOLSOM	CA	95630-2906	Kern
341-300-26	SCHUMANN GEORGE & GEORGIA FAMILY TRUST	2425 MAHAN WY	SAN PABLO	CA	94806-1632	Kern
352-021-01	U S A	UNKNOWN				Kern
352-021-02	U S A	UNKNOWN				Kern
352-021-05	U S A	UNKNOWN				Kern
352-083-02	U S A	UNKNOWN				Kern
352-086-01	U S A	UNKNOWN				Kern
352-086-02	U S A	UNKNOWN				Kern
352-086-06	CLARK MARSHA B & BERT L	16345 NE SIMONDS RD	KENMORE	WA	98028-4437	Kern
352-086-07	HOVATEN MAX & ELEANOR	P O BOX 245	INYOKERN	CA	93527	Kern
352-202-18	ANA PROPERTIES LLC	P O BOX 1510	LA MIRADA	CA	90637	Kern
352-202-19	ZEHENDNER JASON	5220 RIDGECREST BL	INYOKERN	CA	93527	Kern
352-202-23	INDIAN WELLS VALLEY WATER DISTRICT	500 W RIDGECREST BL	RIDGECREST	CA	93555-4017	Kern
352-202-24	HOOK DIANE M REV TRUST	PO BOX 81841	BAKERSFIELD	CA	93380-1841	Kern
352-291-03	REID RICHARD D & DONNETTA K	P O BOX 453	INYOKERN	CA	93527	Kern

352-291-26	CAREY CURT A & PEGGY J	4554 N AVENIDA DEL SOL	INYOKERN	CA	93527-2018	Kern
352-291-27	CAREY CURT A & PEGGY J	4554 N AAVENIDA DEL SOL	INYOKERN	CA	93527-2018	Kern
352-291-28	WIEDER JUNE L	620 W UPJOHN AV SP C92	RIDGECREST	CA	93555-4532	Kern
352-291-29	POPE DAVID	P O BOX 1694	INYOKERN	CA	93527	Kern
352-292-17	SOTO ABRAHAM ELIJAH & DIANE MICHELLE	PO BOX 1044	INYOKERN	CA	93527	Kern
352-292-18	SOTO GILBERT WAYNE & JUDITH D	P O BOX 1385	INYOKERN	CA	93527	Kern
352-292-20	CLODT GERI & RICHARD FMLY TR	P O BOX 999	INYOKERN	CA	93527	Kern
352-292-21	CLODT RICHARD L & GERARDELL L FAMILY TR	P O BOX 999	INYOKERN	CA	93527	Kern
352-310-11	WARD DONALD L & DEANN	PO BOX 339	RIDGECREST	CA	93556-0339	Kern
352-310-14	BLAIR RONALD L & PATRICIA A	1511 COMET AV	RIDGECREST	CA	93555	Kern
352-310-15	TINLIN DAVID	1540 N MERCURY ST	RIDGECREST	CA	93555-8456	Kern
352-310-16	POLLOCK FRED W TRUST	52440 ELDER CREEK RD	AGUANGA	CA	92536-9674	Kern
352-310-31	CHRISTIANSEN WADE A & LINDA L	5556 W WARD AV	RIDGECREST	CA	93555	Kern
352-310-32	ASHLEY KERRY G & TWILA J	1455 SIERRA VISTA AV	INYOKERN	CA	93527-2811	Kern
352-310-41	MAI MIK HUNG & VU THUAN THI	3908 SENAN ST	CAMARILLO	CA	93010	Kern
352-310-42	MAI MIK HUNG & VU THUAN THI	3908 SENAN ST	CAMARILLO	CA	93010	Kern
352-310-43	TERRY VICTOR A & ANNE T	1441 EAGLESFIELD LN	LINCOLN	CA	95648-3266	Kern
352-310-44	VAN DENOVER STEPHEN H & GRACE A	4445 N 102ND DR	PHOENIX	AZ	85037-5645	Kern
352-310-45	MAI MIK HUNG & VU THUAN THI	3908 SENAN ST	CAMARILLO	CA	93010	Kern
352-320-03	LUPINI KATHERINE	30962 SILVER PALM DR	HOMELAND	CA	92548-9679	Kern
352-320-15	STREIG LLC	1685 S BELLE AV	CORONA	CA	92882	Kern
352-320-16	LOVETT EDWARD T	620 LUCAS PL	MERRITT ISLAND	FL	32953-6002	Kern
352-320-17	REED MARGARET LOUISE	3510 STRAWBERRY CREEK PL	ONTARIO	CA	91761-0260	Kern
352-320-18	ADAMIAN EDWART & MARYAM LIVING TRUST	914 N ORCHARD DR	BURBANK	CA	91506	Kern
352-320-19	DOUGLASS DARRELL C & KATHERINE L	18228 CARA LN	JAMESTOWN	CA	95327	Kern
352-320-37	PECKHAM HENRY W	2072 SWIFT AV	CLOVIS	CA	93611	Kern
352-320-38	PECKHAM RONALD B	2072 SWIFT AV	CLOVIS	CA	93611	Kern
352-320-41	FIRME THEODORE & EGLE TRUST	408 VEADA AV	RIDGECREST	CA	93555	Kern
352-320-43	KIM CHI S	5509 SYDNOR AV	RIDGECREST	CA	93555-8543	Kern
352-320-50	WITHAM JAMES C & MELODY	P O BOX 1094	INYOKERN	CA	93527-1094	Kern
352-320-51	WIREMAN STEPHEN	PO BOX 1661	RIDGECREST	CA	93556	Kern
352-320-52	PAPPE FAMILY TRUST	P O BOX 851	INYOKERN	CA	93527-0851	Kern
352-360-07	PATE BRIAN & JOLEEN	229 N FLORENCE ST	RIDGECREST	CA	93555-3853	Kern
352-360-08	MAYFIELD RICHARD JR ET AL	PO BOX 35	INYOKERN	CA	93527-0035	Kern
352-360-22	FLAHARTY TERRY L & SHERRI A	6720 SEIBENTHAL RD	INYOKERN	CA	93527	Kern
352-360-23	ORTEGA EDWARD	PO BOX 2057	RIDGECREST	CA	93556-2057	Kern
352-360-24	PRIEST ROBERT JOHN FAMILY TRUST	6741 LORENE AV	INYOKERN	CA	93527-2302	Kern
352-360-25	ZAGALA BRIAN P FAMILY TRUST	PO BOX 233	MORRO BAY	CA	93443-0233	Kern
352-360-27	FIRME THEODORE & EGLE TRUST	408 VEADA AV	RIDGECREST	CA	93555	Kern
352-360-28	KAHLEY ROBERT A	6666 PATRICE AV	INYOKERN	CA	93527	Kern
352-360-30	ASTON ROBERT S & DEBRA F	P O BOX 756	INYOKERN	CA	93527	Kern
352-360-31	FINK CHARLES T JR	6693 PATRICE AV	INYOKERN	CA	93527	Kern
352-372-06	WEINSTEIN PHILLIP TRUST	315 N PALM DR	BEVERLY HILLS	CA	90210	Kern
352-372-07	ZURN THOMAS L & CLAUDETTE	1615 N DOWNS ST APT D	RIDGECREST	CA	93555-2465	Kern
352-372-08	LEISER DENNIS J & JOANNE L	813 MORTON LN # 3	LAS CRUCES	NM	88007-4847	Kern

352-372-14	CUSHING JAMES J & SYLVIA L	3020 OCEANSIDE BL	OCEANSIDE	CA	92054-4825	Kern
352-372-15	FINNECY NORMAN W & SARA R	6650 WADE DR	STAGECOACH	NV	89429-8443	Kern
352-372-16	CLARK DANIEL & BETTY JOANN FAM TRUST	4884 S BRIGHT ANGEL TL	FLAGSTAFF	AZ	86005-8369	Kern
352-372-17	JOHNSON DOUGLAS M & LISA	3813 N OWENS PEAK ST	INYOKERN	CA	93527	Kern
352-440-09	JACOBS GARY D & PINCHEM BARRY	6847 SOLO RD	INYOKERN	CA	93527-2420	Kern
352-440-10	JACOBS GARRY & TERESA TR	3644 W GRAAF AV	RIDGECREST	CA	93555-7931	Kern
352-440-11	JACOBS GARRY & TERESA TR	3644 W GRAAF AV	RIDGECREST	CA	93555-7931	Kern
352-440-12	MORALES JIMMY	4368 THIRD ST	INYOKERN	CA	93527-2423	Kern
352-440-13	U S A	UNKNOWN				Kern
352-502-14	REIDER DANNY M & SANDRA J	5921 POOLE AV	INYOKERN	CA	93527	Kern
352-502-15	KLISSUS C MARK	2025 MOONWIND ST	INYOKERN	CA	93527	Kern
352-502-17	MERTZ HARRY TRUST	PO BOX 6	RIDGECREST	CA	93556-0006	Kern
352-502-19	KRATZER JOHN & TERESA	5906 PEBBLE BEACH AV	INYOKERN	CA	93527	Kern
352-502-20	KENNEDY JIM & DOROTHY	2897 MATTHEWS MILL RD	GLASGOW	KY	42141-8476	Kern
352-502-22	U S A	UNKNOWN				Kern
352-502-23	SOUTHERN CALIF EDISON CO	2244 WALNUT GROVE AV	ROSEMEAD	CA	91770-3714	Kern
352-502-24	SOUTHERN CALIF EDISON CO	2244 WALNUT GROVE AV	ROSEMEAD	CA	91770-3714	Kern
352-530-01	SCHMIDT ELMER HAROLD TRUST	PO BOX 1220	PALO CEDRO	CA	96073-1220	Kern
352-530-02	WILEY LESLIE ALAN & DEBRA ANN	1910 3RD AV	SUTTER	CA	95982	Kern
352-530-03	WILEY LESLIE ALAN & DEBRA ANN	1910 3RD AV	SUTTER	CA	95982	Kern
352-530-04	WILEY LESLIE ALAN & DEBRA ANN	1910 3RD AV	SUTTER	CA	95982	Kern
352-530-05	WILEY LESLIE ALAN & DEBRA ANN	1910 3RD AV	SUTTER	CA	95982	Kern
352-530-06	AMBROSIUS STEPHENL & APRIL R	PO BOX 1133	INYOKERN	CA	93527-1133	Kern
352-530-07	AMBROSIUS STEPHEN	P O BOX 1133	INYOKERN	CA	93527	Kern
352-530-08	ROSE KYOKO	P O BOX 808	INYOKERN	CA	93527	Kern
352-530-09	ROSE KYOKO	P O BOX 808	INYOKERN	CA	93527	Kern
352-530-10	MC NALLY JOHN ROBERT	PO BOX 244	INYOKERN	CA	93527-0244	Kern
352-530-14	KARAGINES NICHOLAS JR & MARY E	4407 BARTEL DR	RIVERSIDE	CA	92503	Kern
352-530-17	BARRON JASON & KRISTEN A	3442 THIRD ST	INYOKERN	CA	93527-2605	Kern
352-530-18	WARREN ROBERT W LIVING TRUST	3442 THIRD ST	INYOKERN	CA	93527-2605	Kern
456-081-12	KNOX DEWITT	1730 BAY RD APT 322	EAST PALO ALTO	CA	94303-5305	Kern
456-082-10	GUINN FAMILY TRUST	36 PINE LN	LOS ALTOS	CA	94022-1639	Kern
456-090-07	HOWARD MICHAEL A	18740 MAPLEWOOD LN	NORTHRIDGE	CA	91326	Kern
456-090-09	AMER LIFT SYSTEMS INC	720 N NORMA ST STE D	RIDGECREST	CA	93555-3553	Kern
456-090-12	AMER LIFT SYSTEMS INC	720 N NORMA ST STE D	RIDGECREST	CA	93555-3553	Kern
477-010-07	RAZAQ CHAUDHRY A & SHAMIM A	310 MESQUITE AV	RIDGECREST	CA	93555	Kern
477-010-11	WARREN RUSSELL & TINA TR	328 E DANA AV	RIDGECREST	CA	93555-7711	Kern
477-010-15	MATHER BROS INC	P O BOX 1358	RIDGECREST	CA	93556	Kern
477-010-16	MATHER BROS INC	P O BOX 1358	RIDGECREST	CA	93556	Kern
477-010-17	MATHER BROS INC	P O BOX 1358	RIDGECREST	CA	93556	Kern
477-010-18	MATHER BROS INC	P O BOX 1358	RIDGECREST	CA	93556	Kern
478-083-09	KOCH TOM	401 INYOKERN RD	RIDGECREST	CA	93555	Kern
478-083-15	THARP BOBBY E & JUDITH A TR	1047 N INYO ST	RIDGECREST	CA	93555	Kern
478-083-18	KOCH TOM & ROSE	1220 E BELLE VISTA AV	RIDGECREST	CA	93555-8176	Kern
480-010-03	4I CIRCLE HOSPITALITY INC	128 N HOBART BL	LOS ANGELES	CA	90004	Kern

480-010-04	K T M A INC	12608 PARK ST	CERRITOS	CA	90703	Kern
480-010-05	AVITIA TRUST	306 W JAVIS AV	RIDGECREST	CA	93555	Kern
480-010-06	VIMCO VENTURE INC	155 N EUCALYPTUS DR	ANAHEIM	CA	92808-1050	Kern
480-010-07	MIGUEL LLC	1281 N NORMA ST	RIDGECREST	CA	93555	Kern
480-010-08	TUAN NGUYEN ANHDY	6624 LEAFWOOD DR	ANAHEIM HILLS	CA	92807-5206	Kern
508-020-04	GLENROTH LLC	2544 N CROSSGATE ST	ORANGE	CA	92867	Kern
508-020-05	GLENROTH LLC	2544 N CROSSGATE ST	ORANGE	CA	92867	Kern
508-020-06	SOU CAL EDISON CO	2244 WALNUT GROVE AV	ROSEMEAD	CA	91770	Kern
508-020-07	SOUTHERN CALIF EDISON CO	2244 WALNUT GROVE AV	ROSEMEAD	CA	91770-3714	Kern
508-020-08	CITY OF RIDGECREST	139 BALSAM ST	RIDGECREST	CA	93555-3858	Kern
508-020-10	CITY OF RIDGECREST	100 W CALIFORNIA AV	RIDGECREST	CA	93555-4054	Kern
511-020-03	U S A	UNKNOWN				Kern
18171205	PLIES, DANIEL L TRUST 5/20/15	22706 ASPAN ST STE 701	LAKE FOREST	CA	92630	San Bernardino
18171224	CODY, RHONDA D	1640 CHURCH ST	BARSTOW	CA	92311	San Bernardino
18171226	SOUTH BARSTOW INVESTMENT A	22706 ASPAN ST. STE. 701	LAKE FOREST-EL TORO	CA	92630	San Bernardino
18171227	PRECISION INVESTMENTS SERVICES LLC	791 PRICE ST #160	PISMO BEACH	CA	93449	San Bernardino
18171228	PRECISION INVESTMENTS SERVICES LLC	791 PRICE ST #160	PISMO BEACH	CA	93449	San Bernardino
18171229	PRECISION INVESTMENTS SERVICES LLC	791 PRICE ST #160	PISMO BEACH	CA	93449	San Bernardino
18226102	MORRIS, BERNARD A & BRENDA G LIV TRU	9019 SUNFLOWER ST	RANCHO CUCAMONGA	CA	91701	San Bernardino
18226107	AGILINE INC	P.O. BOX 1076	GUASTI	CA	91743	San Bernardino
18226108	BERNABE FAMILY TRUST 1/12/05	4355 RIVERBEND LN	RIVERSIDE	CA	92509	San Bernardino
18226109	SEASONS LAND CORPORATION	3595 INLAND EMPIRE BLVD BLDG 3	ONTARIO	CA	91764	San Bernardino
18226110	AMIN, PRADEEP	658 REDONDO LN	CORONA	CA	92882	San Bernardino
18226112	CLARK, JOHN	2501 FAIVRE ST	CHULA VISTA	CA	92011	San Bernardino
18226113	CLARK, JOHN	2501 FAIVRE ST	CHULA VISTA	CA	92011	San Bernardino
18226114	PHI, HAU D	9191 BOLSA AVE STE 120	WESTMINSTER	CA	92683	San Bernardino
18226115	TRUST 80307	13743 VENTURA BLVD #290	SHERMAN OAKS	CA	91423	San Bernardino
18226116	LIZARDO, MARIA CECILLE T	203 PEPPERMINT TREE TER #3	SUNNYVALE	CA	94086	San Bernardino
18226121	TRUST 80445	13743 VENTURA BLVD #290	SHERMAN OAKS	CA	91423	San Bernardino
18226122	PIATOS, JOANNA MARIE	9539 KENNERLY ST	TEMPLE CITY	CA	91780	San Bernardino
18226123	VERBIST, PATRICK JOSEPHUS M	INGENIEUR HAESAERTSLAAN 24 2650	EDEGEM	BELGIUM		San Bernardino
18226124	SEDENQUIST SURVIVORS TRUST 5/5/04	650 SIERRA MADRE VILLA AVE # 200	PASADENA	CA	91107	San Bernardino
18226125	ROBBINS, DARREN & KIM IRR TR 12-28-0	6628 MOWER PL	SAN DIEGO	CA	92130	San Bernardino
18226138	DIAMOND PACIFIC TOOL CORPORATION	P O BOX 1180	BARSTOW	CA	92311	San Bernardino
18226140	DHILLON, SUKHDEV S	6129 OAKRIDGE CT	RANCHO CUCAMONGA	CA	91739	San Bernardino
18226141	DORA LAND	PO BOX 1405	APPLE VALLEY	CA	92307	San Bernardino
18226142	MORIA, ROGER	BOGAERDE 5 3440	ZOUTLEEUW	BELGIUM		San Bernardino
18226144	BERNABE FAMILY TRUST 1/12/05	4355 RIVERBEND LN	RIVERSIDE	CA	92509	San Bernardino
18226145	NGUYEN, TRONG VAN	12125 GOLDBLUFF LN	GOLD RIVER	CA	95670	San Bernardino
18226148	QUIBAL, WILLIE R	685 PICKWICK CT 1E	MOUNT PROSPECT	IL	60056	San Bernardino
18226232	PHI, HAU D	9191 BOLSA AVE STE 120	WESTMINSTER	CA	92683	San Bernardino
18226240	SPEISSER REVOCABLE REVOCABLE TR 1/14	PO BOX 1962	BARSTOW	CA	92312	San Bernardino
18226241	TORRES, ROSE ANN	1621 SUNRISE RD	BARSTOW	CA	92311	San Bernardino
18226243	DEVITT, R MICHAEL	P O BOX 1172	SAN LUIS OBISPO	CA	93406	San Bernardino
18226244	WESTERN AMERICA SERVICE CORP TR 8502	13743 VENTURA BLVD #290	SHERMAN OAKS	CA	91423	San Bernardino

18226246	PHI, HAU D	9191 BOLSA AVE STE 120	WESTMINSTER	CA	92683	San Bernardino
18226251	CUSTODIO, ROMERO M JR	3132 FRIEDA CT	WEST COVINA	CA	91792	San Bernardino
18226253	BEDERIAN FAMILY REV LIVING TRUST	44910 YUCCA AVE	LANCASTER	CA	93534	San Bernardino
18226255	PILAC, RENATO C	3650 MONON ST #206	LOS ANGELES	CA	90027	San Bernardino
18226256	MEIER, GEORGE D II	19330 SATICOY ST #302	RESEDA	CA	91335	San Bernardino
18226257	NAVARRO, JENNIFER L	401 MIDDLEBURY CT	CLAREMONT	CA	91711	San Bernardino
18226259	MANALOTO, MARY	2389 ROUALT ST	DAVIS	CA	95616	San Bernardino
18226263	MORALLOS, EMILE V	14221 HIGH NOON CT	MORENO VALLEY	CA	92553	San Bernardino
18226264	VO, BE THI	7701 GONZAGA PL	WESTMINSTER	CA	92683	San Bernardino
18226265	CASTRO, RAINIER T	3431 MARANVILLE CT	WEST COVINA	CA	91792	San Bernardino
18226266	COLATO-AMAYA, LEONEL E	12045 CANTARA ST	NORTH HOLLYWOOD	CA	91605	San Bernardino
18226301	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
18228102	CITY OF BARSTOW	850 S BARSTOW RD	BARSTOW	CA	92415	San Bernardino
18228103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
18228204	FITZWATER, RICHARD BRUCE	1396 RANCHO LANE	THOUSAND OAKS	CA	91362	San Bernardino
18228205	LEWELLYN FAMILY TRUST 6-14-2018	2080 P ST	BARSTOW	CA	92311	San Bernardino
18228206	CITY OF BARSTOW	850 S BARSTOW RD	BARSTOW	CA	92415	San Bernardino
18230111	CITY OF BARSTOW	850 S BARSTOW RD	BARSTOW	CA	92415	San Bernardino
41601109	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
41601118	STERLING REAL ESTATE GROUP	3410 LA SIERRA F449	RIVERSIDE	CA	92503	San Bernardino
41601127	KHAWALDEH, YOUSUF	PO BOX 175	DAGGETT	CA	92327	San Bernardino
41601128	PEDESEN, DEAN JO LIVING TRUST 11/9/9	1022 AVENIDA	AMANTEA LA JOLLA	CA	92037	San Bernardino
41601144	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
41604103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
41604123	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
41701103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
41701104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
41702104	HAWN, LORETTA 1994 TR 4-21-94 - EST	620 ORANGEWOOD AVE	NEWBURY PARK	CA	91320	San Bernardino
41702105	WANG, TONY T & MEI MEI LEE REVOCABLE	610 CHESTER AVE	SAN MARINO	CA	91108	San Bernardino
41702106	KIM, MI RI	1245 S VAN NESS AVE	LOS ANGELES	CA	90019	San Bernardino
41702107	SISON FAMILY TRUST 5/15/98	3595-3 INLAND EMPIRE BLVD	ONTARIO	CA	91764	San Bernardino
41702108	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
41703101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
41703104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
42217402	BIRCHFIELD, JAMES	34620 HIGHLAND AVE	BARSTOW	CA	92311	San Bernardino
42217403	FARGO BARSTOW ONE	260 NEWPORT CENTER DR 3RD FL	NEWPORT BEACH	CA	92660	San Bernardino
42217404	FARGO BARSTOW ONE	260 NEWPORT CENTER DR 3RD FL	NEWPORT BEACH	CA	92660	San Bernardino
42217414	FARGO BARSTOW ONE	260 NEWPORT CENTER DR 3RD FL	NEWPORT BEACH	CA	92660	San Bernardino
42217415	PACIFIC GAS AND ELECTRIC CO	P O BOX 770000	SAN FRANCISCO	CA	94117	San Bernardino
42311103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
42312202	STATE OF CALIFORNIA	464 W 4TH ST 6TH FL	SAN BERNARDINO	CA	92401-1400	San Bernardino
42312248	CHUNG, JOON WOO	15692 FOX HILLS ST	WESTMINSTER	CA	92683	San Bernardino
42312249	LAND4LESS.US LLC	18521 E QUEEN CREEK RD STE 105-502	QUEEN CREEK	AZ	85142	San Bernardino
42312250	ATCHISON TOPEKA & SANTA FE RR CO	P O BOX 1786	TOPEKA	KS	66601	San Bernardino
42312251	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino

42313103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
42313104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
42313113	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
42313113	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
42317101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
42317101	DRO BARITE LLC	205 N BEN MADDOX WAY	VISALIA	CA	93292-6632	San Bernardino
42317102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
42318104	YOLANTA TRADING AND LAND CORP	1583 MONTEREY RD #21B	SEAL BEACH	CA	90740	San Bernardino
42402103	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
42402104	UNITED STATES OF AMERICA	ADDRESS UNKNOWN				San Bernardino
42413206	CRAHAN LIVING TRUST DATED 8-22-94	115 HESTER DR	BLAIRSVILLE	GA	30512	San Bernardino
42413223	ELIMELECH, ELI & HILA REVOC 2009 TRU	24817 CALLE CEDRO	CALABASAS	CA	91302	San Bernardino
42413254	BOZENICH FAMILY TRUST 8-10-99	4330 LLANO AVE	SANTA BARBARA	CA	93110	San Bernardino
42413259	TONG, NHIEM	PO BOX 2411	LA HABRA	CA	90632	San Bernardino
42414115	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
42705157	ATCHISON TOPEKA AND SANTA FE RR CO	P O BOX 1738	TOPEKA	KS	66601	San Bernardino
42706229	ATCHISON, TOPEKA AND SANTA FE	P O BOX 1738	TOPEKA	KS	66601	San Bernardino
42706231	ATCHISON, TOPEKA AND SANTA FE	P O BOX 1738	TOPEKA	KS	66601	San Bernardino
42706239	CITY OF BARSTOW	220 E MOUNTAIN VIEW ST STE A	BARSTOW	CA	92311	San Bernardino
42706246	VICTOR VALLEY TRANSIT AUTHORITY	17150 SMOKE TREE ST	HESPERIA	CA	92345	San Bernardino
42706401	DORA LAND	PO BOX 1405	APPLE VALLEY	CA	92307	San Bernardino
42706402	DHILLON, SUKHDEV S	6129 OAKRIDGE CT	RANCHO CUCAMONGA	CA	91739	San Bernardino
42706403	DIAMOND PACIFIC TOOL CORPORATION	2620 W MAIN ST	BARSTOW	CA	92311	San Bernardino
42729109	ELKINS, JIMMIE E REV TR 12-6-06 - ES	6820 SVL BOX	VICTORVILLE	CA	92395	San Bernardino
42729113	GONZALES, ARTHUR	713 ACKLEY ST	MONTERY PARK	CA	91755	San Bernardino
42729114	JEFFERS, DANIELLE MARIE CHAVEZ	27574 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42729116	DEL REAL, JULIAN	12227 SAN MARCOS ST	VICTORVILLE	CA	92392	San Bernardino
42729117	LINT, BEATRICE G	841 S FIRST ST	BARSTOW	CA	92311	San Bernardino
42729118	JARMAN, BOBBY L	34379 M ST	BARSTOW	CA	92311	San Bernardino
42729121	WILDRICK, GEORGE & DEBORAH LIV TR 11	27475 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42729124	HERNANDEZ, JESUS S	27343 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42729125	SAUER, ALFRED G TR	34335 P ST	BARSTOW	CA	92311	San Bernardino
42729126	SOUTHERN CALIFORNIA EDISON COMPANY	110 LONG BEACH BLVD	LONG BEACH	CA	90802	San Bernardino
42729129	JOHNSON REVOCABLE FAM TRUST 6-5-97	27575 CRESTVIEW AVE	BARSTOW	CA	92311	San Bernardino
42729130	GODWIN, REBECCA L	27577 BONANZA RD	BARSTOW	CA	92311	San Bernardino
42729131	SCHUMACHER, HARRY	27624 CINNABAR RD	BARSTOW	CA	92311-6205	San Bernardino
42729132	HERNANDEZ, MARY	15185 OSCEOLA ROAD	APPLE VALLEY	CA	92307	San Bernardino
42729134	CLARK, JEREMY	27626 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42729143	VILLAFANA, CHRISTOPHER D	27460 CINNABAR RD	BARSTOW	CA	92311	San Bernardino
42729147	ADAMS, AARON & TAMARA FM TR	27447 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42729148	BOYETTE, MARGARET J	P O BOX 668	BARSTOW	CA	92312	San Bernardino
42729149	BAGBY, GLORIA J	27480 CINNABAR	BARSTOW	CA	92311	San Bernardino
42729151	MC HENRY, JACK K II	27490 CINNABAR RD	BARSTOW	CA	92311	San Bernardino
42729152	GOFF, CRYSTAL D	PSC 76 BOX 949	APO	AE		San Bernardino
42729153	BARELA, ADONIS	27363 AZURITE RD	BARSTOW	CA	92311	San Bernardino

42729154	SANCHEZ, CYNTHIA	27377 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42729155	SILVAS, OMAR	27440 CINNABAR RD	BARSTOW	CA	92311	San Bernardino
42729156	ROBB, GLENN E JR	PO BOX 518	BARSTOW	CA	92311	San Bernardino
42729158	BURT, MICHAEL A	27450 CINNABAR RD	BARSTOW	CA	92311	San Bernardino
42729159	ROBB, GLENN E JR	PO BOX 518	BARSTOW	CA	92311	San Bernardino
42729160	PARKER, ARON L	27430 CINNABAR RD	BARSTOW	CA	92311	San Bernardino
42729161	ROBB, GLENN E JR	PO BOX 518	BARSTOW	CA	92311	San Bernardino
42729162	ROBB, GLENN E JR	PO BOX 518	BARSTOW	CA	92311	San Bernardino
42729163	GARCIA, RAUL	27553 AZURITE	BARSTOW	CA	92311	San Bernardino
42729164	MCCONNELL, KENNETH E JR	27572 BONANZA RD	BARSTOW	CA	92311	San Bernardino
42729167	ULIBARRI, MARK A	13977 IROQUOIS RD	BARSTOW	CA	92307	San Bernardino
42729168	MC CORMICK, STANLEY A & DONNA REV TR	P O BOX 2330	BARSTOW	CA	92314	San Bernardino
42729169	WELDON, DANNY	27525 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42729170	CLARK, CHARLES DAVID II	27539 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42729172	WILHOIT, MICHAEL AARON	1305 W MAIN ST	BARSTOW	CA	92311	San Bernardino
42730215	CURRAN, TERRY H TR	56 THACKERY CT	VENTURA	CA	93003	San Bernardino
42730216	MIRAMONTES, MARTIN R	28080 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42730217	CORDOVA, MAX L	28082 BONANZA RD	BARSTOW	CA	92358	San Bernardino
42730219	BANKS, BRENDA LYNN	27989 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42730220	FEDERAL NATIONAL MORTGAGE ASSOCIATIO	5600 GRANITE PKWY	PLANO	TX	75024	San Bernardino
42730221	HAEFELE, LUKE	27945 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42730222	KELLY, CONNOR	PO BOX 1463	YERMO	CA	92398	San Bernardino
42730223	ADAMS, HEATHER LEA LOUISE	27932 BONANZA RD	BARSTOW	CA	92311	San Bernardino
42730224	FRANKS, JAMES W	27915 BONANZA	BARSTOW	CA	92311	San Bernardino
42730225	HERRERA, DANIEL	27925 AZURITE	BARSTOW	CA	92311	San Bernardino
42730226	MONTANO-PRINDLE, JANE	27915 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42730227	GAREN, GLENN G	27912 BONANZA RD	BARSTOW	CA	92311	San Bernardino
42730229	TROCHEZ, DAVID	34414 J ST	BARSTOW	CA	92311	San Bernardino
42730233	SPEER, JAMES R	27942 AZURITE	BARSTOW	CA	92311	San Bernardino
42730234	FLORES, SAMUEL	27930 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42730243	HILL, THEODORE R	34388 K ST	BARSTOW	CA	92311	San Bernardino
42730244	RAMIREZ, PAUL EARL	6751 ROSTNATA AVE	BUENA PARK	CA	90621	San Bernardino
42730250	AGUILAR, RAYMOND VICENTE	34427 L ST	BARSTOW	CA	92311	San Bernardino
42730251	MAUK, ROBERT J	34359 L ST	BARSTOW	CA	92311	San Bernardino
42730252	GARCIA, GREIG	27729 BONANZA RD	BARSTOW	CA	92311	San Bernardino
42730253	CHAVEZ, ABEL GARCIA	27720 CINNABAR RD	BARSTOW	CA	92311	San Bernardino
42730254	STENDER, DAVID T	P O BOX 1575	BARSTOW	CA	92312	San Bernardino
42730257	HILL, HEATH	27910 CINNABAR	BARSTOW	CA	92311	San Bernardino
42730258	CHOW, TAK KEUNG AND ANLI TRUST 4-7-7	PO BOX 1926	BARSTOW	CA	92312	San Bernardino
42730260	KHAN, UMER ADIL	28080 BONANZA RD	BARSTOW	CA	92311	San Bernardino
42730261	CASAS, WILLIE	13220 CAMERON ST	VICTORVILLE	CA	92392	San Bernardino
42730262	RODRIGUEZ, JOSE R	28050 CINNABAR RD	BARSTOW	CA	92311	San Bernardino
42730263	ROYCE, MICHAEL W	29021 RADIO RD	BARSTOW	CA	92311	San Bernardino
42730264	CONTRERAS, SANDRA J	34360 J ST	BARSTOW	CA	92311	San Bernardino
42730265	WIST, WILLIAM R - EST OF	1646 E PALO VERDE DR	PHOENIX	AZ	85016	San Bernardino

42730266	BIRD, KENNETH	34310 J ST	BARSTOW	CA	92311	San Bernardino
42730270	EDWARDS, JONATHAN C	34425 K ST	BARSTOW	CA	92311	San Bernardino
42730272	HILARIDES, FRANKLIN G JR	34377 K ST	BARSTOW	CA	92311	San Bernardino
42730273	GONG ENTERPRISES INC	P O BOX 670	HURON	CA	93234	San Bernardino
42730274	DEREZOTES, GARY TR	28035 BONANZA RD	BARSTOW	CA	92311	San Bernardino
42730275	LANGFORD, E & ARREDONDO-LANGFORD, PA	28028 CINNABAR RD	BARSTOW	CA	92311	San Bernardino
42730276	CRAIN, KEVIN D	28029 AZURITE RD	BARSTOW	CA	92311	San Bernardino
42730277	DUNN, JOY M	PO BOX 915	SALADO	TX	76571	San Bernardino
42730280	ELDJOUNDI, SAMER	1113 N HIGHLAND AVE	FULLERTON	CA	92835	San Bernardino
42730281	VILLARS, GERALD & SALLY TR	P O BOX 609	BARSTOW	CA	92311	San Bernardino
42730283	HELDRETH, MARK A	P O BOX 1230	BARSTOW	CA	92312	San Bernardino
42730284	HAEFELE, LUKE J	34339 K ST	BARSTOW	CA	92311	San Bernardino
42731105	HUTINET FAMILY TRUST (8-13-98)	1501 S ISABELLA AVE	MONTEREY PARK	CA	91754	San Bernardino
42731141	ARTIAGA, JOSIE	27435 CINNABAR	BARSTOW	CA	92311	San Bernardino
42731154	BERRY FAMILY TRUST 04/16/93	27531 CINNABAR	BARSTOW	CA	92311	San Bernardino
42731157	CARDENAS, JEREMY	34278 M ST	BARSTOW	CA	92311	San Bernardino
42731163	NEAL, DAVID	1417 CHURCH ST	BARSTOW	CA	92311	San Bernardino
42731165	SALLEE, BRIAN	34328 O ST	BARSTOW	CA	92311	San Bernardino
42732208	SMALLS, FREEZY R	27862 SIDERITE RD	BARSTOW	CA	92311	San Bernardino
42732210	SISNEROS, ALBERTO	34265 L ST	BARSTOW	CA	92311	San Bernardino
42802118	PACIFIC SUMMIT-RIMROCK RANCH LLC	212 S PALM AVE STE 200	ALHAMBRA	CA	91801-3105	San Bernardino
42802119	PACIFIC SUMMIT-RIMROCK RANCH LLC	212 S PALM AVE STE 200	ALHAMBRA	CA	91801-3105	San Bernardino
42802120	PACIFIC SUMMIT-RIMROCK RANCH LLC	212 S PALM AVE STE 200	ALHAMBRA	CA	91801-3105	San Bernardino
42802121	PACIFIC SUMMIT-RIMROCK RANCH LLC	212 S PALM AVE STE 200	ALHAMBRA	CA	91801-3105	San Bernardino
42818101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48801103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48801104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48802105	NOMI, TAKASKI	PO BOX 12459	TAMUNING	GU	96913	San Bernardino
48802109	BUNNELL, DICK JOSEPH	3020 OLD RANCH PKWY STE 300	SEAL BEACH	CA	90740-2765	San Bernardino
48802110	NICHOLLS, BERNARD H TR	4842 E CALLE VENTURA	PHOENIX	AZ	85018	San Bernardino
48802111	SUDO, JOSE Q	295 DEERLEAP CIR	HENDERSON	NV	89052	San Bernardino
48802112	JACOBSON, CHARLES M TR	6 LAKE SHORE DR	RANCHO MIRAGE	CA	92270	San Bernardino
48802113	JORRITSMA, MARVALEE & GEORGE TR 10/0	6937 OREGON AVE	LA MESA	CA	91942	San Bernardino
48802114	DAMO, OSCAR D S	99-152 KULINA ST	AIEA	HI	96701	San Bernardino
48802139	POGHARIAN, HRAIR HARRY	350 K ST #418	SAN DIEGO	CA	92101	San Bernardino
48802140	TRINH, PHAM NGUYEN DANG	11531 MORGAN LN	GARDEN GROVE	CA	92840	San Bernardino
48802141	RODRIGUEZ, SYLVIA M	35208 WILDWOOD CANYON RD	YUCAIPA	CA	92399	San Bernardino
48802142	HO, STEVEN & JEANNY REVOCABLE LIV TR	2220 RICHELIEU AVE	LOS ANGELES	CA	90032	San Bernardino
48802143	WILSON, ANTHONY	11222 MARIO LN	STANTON	CA	90680	San Bernardino
48802144	COUCH, ANTHONY J	9892 ASHFORD AVE	WESTMINSTER	CA	92683	San Bernardino
48802145	GARRITY, WALTER E & NORA J TR	15785 STANBROOK DR	LA MIRADA	CA	90638	San Bernardino
48802146	LOWER, DAVID E TR	34020 HARROW HILL	WILDOMAR	CA	92595	San Bernardino
48802147	GRAFFIA, LEON	22032 FLATHEAD RD	APPLE VALLEY	CA	92307	San Bernardino
48802148	HAN, GENE S J	455 S ROSSMORE AVE	LOS ANGELES	CA	90020	San Bernardino
48802151	PACKER, ELDEN & MAVIS LIVING TRUST	1520 KNOLL LAKE	SANTA ANA	CA	92705	San Bernardino

48802153	GOLDBERG, WILLIAM	P O BOX 1084	HIGHLAND PARK	IL	60035	San Bernardino
48802154	MALLORY, ROGER O TR	108 FRIA DR	FOLSOM	CA	95630	San Bernardino
48802155	TREACY FAM TR 2/22/07	321 E 22ND ST	COSTA MESA	CA	92627	San Bernardino
48802156	GILBERT, OSCAR A	23201 MILL CREEK DR 3RD FLR	LAGUNA HILLS	CA	92653	San Bernardino
48802157	VILLA, ALFRED R - EST OF	13970 SEMINOLE RD	APPLE VALLEY	CA	92307	San Bernardino
48803104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48803105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48804221	OHAI, JEFFREY	4777 LAUREL RIDGE DR	RIVERSIDE	CA	92509	San Bernardino
48804223	MEDRANO, JORGE A	6036 DELAWARE PARK CT	CORONA	CA	92880	San Bernardino
48804224	NAVARRO, ALBERT L	1510 GARLAND CRESCENT PICKERING	ONTARIO	CANADA	L1V7B3	San Bernardino
48804225	TRUST 80445	13743 VENTURA BLVD STE 290	SHERMAN OAKS	CA	91423	San Bernardino
48804228	ATKINS, CHARLOTTE/ROBERT LIV TR A-ES	3201 S FAIRFIELD DR	TEMPE	AZ	85282	San Bernardino
48804229	GIBSON, WILLIAM B AND SHARON V TRS	9710 LA ALBA DR	WHITTIER	CA	90603	San Bernardino
48804232	VOGL, CHRISTOPHER J TR	212 MEADOWLARK LN	DURANGO	CO	81303	San Bernardino
48804233	SHELLY, ROBERT I	260 MORNINGSIDE DR	SAN FRANCISCO	CA	94132-1241	San Bernardino
48804234	TRAN, TRI	15910 MEAGHER ST	FOUNTAIN VALLEY	CA	92708	San Bernardino
48804301	GOMEZ, ROBERT M	10329 JACKSON AVE	SOUTH GATE	CA	90280	San Bernardino
48804302	FAWCETT, JOHN K	THE FLAXPOOL NR CROWCOMBE TAUNT	SOMERSET	UK	TA4 4AW	San Bernardino
48804305	SIM, RAYMOND	PO BOX 1501	HELENDALE	CA	92342	San Bernardino
48804308	OSUNA, MARIA	441 BROADMOOR AVE	LA PUENTE	CA	91744	San Bernardino
48804309	BUSCA, DANIEL	2884 JUNE PL	SAN BERNARDINO	CA	92407	San Bernardino
48804312	CRESSE, RICHARD L	3131 STANTON DR	WEST VALLEY CITY	UT	84120	San Bernardino
48804313	REGENTS OF UNIVERSITY OF CALIF, THE	1100 FRANKLIN ST 6TH FL	OAKLAND	CA	94607	San Bernardino
48804316	OVERHOLT,MILES JR REV LIV TR(2/7/01)	7800 E LINCOLN DR #2031	SCOTTSDALE	AZ	85250	San Bernardino
48804342	ANA PROPERTIES LLC	P O BOX 1510	LA MIRADA	CA	90637	San Bernardino
48804343	CAPITAL HOLDINGS INC	3595 INLAND EMPIRE BLVD BLDG 3	ONTARIO	CA	91764	San Bernardino
48805101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48806101	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
48806127	RETRO OFFICE SERVICES INC	2005 PALO VERDE AVE	LONG BEACH	CA	90815	San Bernardino
48806130	J D LOOMIS INVESTMENTS LLC	7100 LOCH LOMOND DR	BETHESDA	MD	20817	San Bernardino
48807425	KIM, HEUNG E	10580 MUSCATEL ST	OAK HILLS	CA	92344	San Bernardino
48807426	DIAZ, JOE	P O BOX 1564	CHINO HILLS	CA	91709	San Bernardino
48807434	LARISCY, KATHLEEN	9013 HEMLOCK ST	RANCHO CUCAMONGA	CA	91730	San Bernardino
48807435	JACKSON, DOROTHY	14300 CLINTON ST #182	GARDEN GROVE	CA	92643	San Bernardino
48807436	HUANG, MEIMEI	777 E VALLEY BLVD # 147	ALHAMBRA	CA	91801	San Bernardino
48807437	JACKSON, DOROTHY	14300 CLINTON ST NO 182	GARDEN GROVE	CA	92643	San Bernardino
48807438	CHANG, LIU CHIU-KUEI	18808 AGUIRO ST	ROWLAND HEIGHTS	CA	91748	San Bernardino
48807439	NGUYEN, AILIEN	1401 SCARBAOUGH LN	ANAHEIM	CA	92804	San Bernardino
48807444	LUU, PETER V	10040 BROCKWAY	EL MONTE	CA	91733	San Bernardino
48807445	VUONG, NGUYEN	12632 KEEL AVE APT 4	GARDEN GROVE	CA	92843	San Bernardino
48807446	BONDOC, ROLANDO Q	3120 AVENIDA MAGORIA	ESCONDIDO	CA	92029	San Bernardino
48807447	FORD, CHARLES H & LAURA L TRS	10853 LOCUST	BLOOMINGTON	CA	92316	San Bernardino
48807508	CHESS, LOUIS TRUSTEE	451 LINNIE CANAL	VENICE	CA	90291	San Bernardino
48808101	CHOI 2007 FAMILY TRUST 10-17-07	6 COUNTRY LANE	ROLLING HILLS ESTATES	CA	90274	San Bernardino
48808102	CHOI 2007 FAMILY TRUST 10-17-07	6 COUNTRY LANE	ROLLING HILLS ESTATES	CA	90274	San Bernardino

48808103	CHOI 2007 FAMILY TRUST 10-17-07	6 COUNTRY LANE	ROLLING HILLS ESTATES	CA	90274	San Bernardino
48808128	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48809105	PACIFIC GAS & ELECTRIC COMPANY	P O BOX 770000	SAN FRANCISCO	CA	94117	San Bernardino
48809106	PACIFIC GAS & ELECTRIC COMPANY	PO BOX 770000	SAN FRANCISCO	CA	94117	San Bernardino
48809107	BUNNELL, DICK JOSEPH	15022 S JORDAN BLVD	HELENDALE	CA	92347	San Bernardino
48809108	GRILL, NICHOLAS P	P O BOX 306	HINKLEY	CA	92347	San Bernardino
48809109	HINDI, WAIL	16306 ATLANTIC PL	PARAMOUNT	CA	90723	San Bernardino
48809111	SIM, RAYMOND J	14662 BURGUNDY LANE P O BOX 1501	HELENDALE	CA	92342	San Bernardino
48809112	2006 JOHNSON FAM TR 5-19-06	1355 18TH ST	LOS OSOS	CA	93402	San Bernardino
48809117	NEVAREZ, PATRICIA	P O BOX 284	HINKLEY	CA	92347	San Bernardino
48809118	SAUDI, GHASSAN Y	9065 SYDNEY CT #11013	SAN DIEGO	CA	92122	San Bernardino
48810105	SYRENGELAS, ANDREAS & NIKY FAM TR 20	5 SEVILLE	IRVINE	CA	92620	San Bernardino
48810106	GAMBOA, EDMAR M	7580 CARRIE RIDGE WAY	SAN DIEGO	CA	92139	San Bernardino
48810107	GRILL, NICHOLAS P	P O BOX 306	HINKLEY	CA	92347	San Bernardino
48810108	GRILL, NICOLETTE D	P O BOX 302	HINKLEY	CA	92347	San Bernardino
48810109	GRILL, NICOLETTE D	P O BOX 302	HINKLEY	CA	92347	San Bernardino
48810110	GRILL, NICHOLAS P	P O BOX 306	HINKLEY	CA	92347	San Bernardino
48810111	HILL, ERIC	P O BOX 1386	REDLANDS	CA	92373	San Bernardino
48810112	PACIFIC GAS & ELECTRIC COMPANY	P O BOX 770000	SAN FRANCISCO	CA	94117	San Bernardino
48811234	PEARCE, BERYL J -EST OF	119 WINDEMERE ROAD	BOLTON BL4 OPV	ENGLAND		San Bernardino
48811235	WALTERS, RICHARD S	37598 NEWCASTLE RD	MURRIETA	CA	92563-4704	San Bernardino
48811236	FRIENDS OF KNOTTS SKY PARK	6851 EL SOL AVE 29	PALMS	CA	92277	San Bernardino
48811238	GARCIA, BRIAN ALAN	11085 E AVENUE	HESPERIA	CA	92345	San Bernardino
48811239	PRITIN INC	1681 SANTA CRUZ AVE	SANTA CLARA	CA	95051	San Bernardino
48811243	LEE, SAMUEL I	2700 N BUENA VISTA ST	BURBANK	CA	91504	San Bernardino
48811244	PACIFIC GAS AND ELECTRIC COMPANY	P O BOX 7054 MC:B12G	SAN FRANCISCO	CA	94120	San Bernardino
48811245	O'NEAL FAMILY TR 7-9-99	16209 CROWN VALLEY DR	APPLE VALLEY	CA	92307	San Bernardino
48811246	O NEAL FAMILY TRUST	16209 CROWN VALLEY DR	APPLE VALLEY	CA	92307	San Bernardino
48811247	PIPO, PAT P	995 OAKHURST DR	SAN DIEGO	CA	92114	San Bernardino
48811248	FLORES, FERDINAND R	6360 PLAZA CUERNAVACA	SAN DIEGO	CA	92114	San Bernardino
48811250	FLORES, FERDINAND R	6360 PLAZA CUERNAVACA	SAN DIEGO	CA	92114	San Bernardino
48811251	VALDEZ, JULIAN R REVOCABLE TR 6/4/18	16537 PINYON CIR	FOUNTAIN VALLEY	CA	92708	San Bernardino
48812102	EUSTICE, MICHAEL L	24041 RIVER RD	HINKLEY	CA	92347	San Bernardino
48812104	ROSES TRUST 10/05/17	25684 COMMUNITY BLVD	BARSTOW	CA	92311	San Bernardino
48812119	VERNOLA, ANTHONY P TRUST 10-18-00	P O BOX 217	UPLAND	CA	91785	San Bernardino
48812121	VERNOLA, ANTHONY P TRUST 10-18-00	P O BOX 217	UPLAND	CA	91785	San Bernardino
48812130	EUSTICE, MICHAEL L	24041 RIVER RD	HINKLEY	CA	92347	San Bernardino
48812131	EUSTICE, MICHAEL L	24041 RIVER RD	HINKLEY	CA	92347	San Bernardino
48904105	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
48905101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48905102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48905103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48905104	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
48906109	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48906116	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino

48906124	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
48906126	SOUTHERN CALIFORNIA PUBLIC POW AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
48906127	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
48907101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48907106	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48907107	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48908233	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48908234	TUCKER, MICHAEL W	1374 CARMEN DR	BARSTOW	CA	92311	San Bernardino
48908238	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48908329	CLARK TRUST 2-12-08	11365 CAMAROSA CIR	SAN DIEGO	CA	92126	San Bernardino
48908330	HANG, THUY N	12 RICHARDS	LARWENCVILL	NJ	8648	San Bernardino
48908333	WYRICK, ROBERT G	BOX 6403	BIG BEAR LAKE	CA	92315	San Bernardino
48908334	MARTIN, PHILLIP & JEAN LIV TR 8/25/0	14208 N DRIFTWOOD CT	SUN CITY	AZ	85351-2366	San Bernardino
48908344	SAN DIEGO, JOSE F & MARY J FAMILY TR	P O BOX 44296	PANORAMA CITY	CA	91412	San Bernardino
48908348	QUINTANA, MELISSA B	5824 MERIDIAN ST	LOS ANGELES	CA	90042	San Bernardino
48908374	VAN AUKEN, BRUCE C	602 HULSE RD	PORT ANGELES	WA	98362	San Bernardino
48908375	HORAN, JOHN H	976 HOLLY AVE	IMPERIAL BEACH	CA	91932	San Bernardino
48919225	LAND INVESTMENT NETWORK LLC	3142 PACIFIC COAST HWY STE 200	TORRANCE	CA	90505	San Bernardino
48919226	DORA LAND	PO BOX 1405	APPLE VALLEY	CA	92307	San Bernardino
48919228	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48919330	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
48919331	HALSTEAD, NORMAN	20455 HALSTEAD RD	HINKLEY	CA	92347	San Bernardino
48919332	AIM DEVELOPMENTS LLC	4000 MACARTHUR BLVD STE 600	NEWPORT BEACH	CA	92660	San Bernardino
48919333	LE, TIFFANY JACQUELINE	22372 AMBER EVE DR	CORONA	CA	92883	San Bernardino
48919334	WRIGHT, MARVIN	223 ARMSLEY SQ	ONTARIO	CA	91762	San Bernardino
48919335	RAMIREZ, CHARLIE E	6722 VANPORT AVE	WHITTIER	CA	90606	San Bernardino
48919336	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
48919337	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
48919338	OHAI, JEFFREY L	4705 LAUREL RIDGE	RIVERSIDE	CA	92509-5454	San Bernardino
49012116	HOLMES, CONSTANCE M	1451 S WHITEGATE RD	ANAHEIM	CA	92804-6055	San Bernardino
49012117	FREITAS, GUADALUPE M REVOC TR (11-18	13206 WIMBERLY SQUARE # 171	SAN DIEGO	CA	92128	San Bernardino
49012118	HIGH DESERT LAND ACQUISITON LLC	700 UNIVERSE BLVD	JUNO BEACH	FL	33408	San Bernardino
49012122	REYES, JOSE	2207 DEERPARK DR	FULLERTON	CA	92831	San Bernardino
49012123	VOVOS, CHRIS TR	15940 AURORA CREST DR	WHITTIER	CA	90605	San Bernardino
49012124	HIGH DESERT LAND ACQUISITON LLC	700 UNIVERSE BLVD	JUNO BEACH	FL	33408	San Bernardino
49012125	KRAUK, EUGENE A TR	3845 AMARGON RD	ATASCADERO	CA	93422	San Bernardino
49012126	MAX HARPER LAKE LLC	711 W 17TH ST D-5	COSTA MESA	CA	92627	San Bernardino
49012137	GREGG, ANDREA JEAN KLEIN	6129 ANDALUSIA AVE	RIVERSIDE	CA	92509	San Bernardino
49012138	GREGG, ANDREA JEAN KLEIN	6129 ANDALUSIA AVE	RIVERSIDE	CA	92509	San Bernardino
49012149	MOJAVE SOLAR LLC	1553 W TODD DR STE 204	TEMPE	AZ	85283	San Bernardino
49014204	NEUFELD, EVA	PO BOX 694	OCCIDENTAL	CA	95465	San Bernardino
49014205	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49014209	FARM HOLDINGS LP	P O BOX 925	TEMECULA	CA	92593	San Bernardino
49014215	COOLEY, SCOTT M SEPERATE PROPERTY T	15900 KENNEDY RD	LOS GATOS	CA	95032	San Bernardino
49014224	MOHRAGI, REZVAN AND TOORAJ AYMAN	P O BOX 486	VISTA	CA	92083	San Bernardino

49014254	MAGGIORE, EVELYN F TR	1447 FRANKLIN ST #3	SANTA MONICA	CA	90404	San Bernardino
49015101	MARKOSOV, YURI	8670 SAN SERVERA DR W	JACKSONVILLE	FL	32217	San Bernardino
49015107	METOR FINANCE	PO BOX 1405	APPLE VALLEY	CA	92307	San Bernardino
49016101	AGUANNO FAMILY LIVING TRUST 1/26/05	423 N IVY	MONROVIA	CA	91016	San Bernardino
49016102	OWCZARCZAK FAMILY TRUST 1/21/02	17316 SIGNATURE DR	GRANADA HILLS	CA	91344	San Bernardino
49016103	SCHEPIS, PHILIP REV LIVING TRUST	6621 COLDWATER CYN AVE	NORTH HOLLYWOOD	CA	91606	San Bernardino
49016104	GIORGIANNI, ANTHONY J	9817 BEARPAW AVE	LAS VEGAS	NV	89117	San Bernardino
49016132	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	91770	San Bernardino
49017101	RODRIGUEZ, VICTOR A TR	9002 PARAMOUNT BLVD	DOWNEY	CA	90240	San Bernardino
49017105	MORCOS, ELLIS F TR	122 MARINE AVE	BALBOA ISLAND	CA	92662-1202	San Bernardino
49017106	LOVETT, JOHN M	3546 ROSE CANYON DR N	LAS VEGAS	NV	89032	San Bernardino
49017126	MORETTINI, DEBORAH MARIE	511 W HACIENDA	CORONA	CA	92882	San Bernardino
49017129	BALAKHANEH, MANSOUR	17202 LYNN ST	HUNTINGTON BEACH	CA	92649	San Bernardino
49017130	SEIZED PROPERTY	PO BOX 431	MIRA LOMA	CA	91752	San Bernardino
49018333	DORA LAND	PO BOX 1405	APPLE VALLEY	CA	92307	San Bernardino
49018340	HECHINGER, MARK K & DIANA TOSTADO FA	533 HILL ST	INGLEWOOD	CA	90302	San Bernardino
49018341	BENASA, CAMILA R	17102 SAMGERRY DR	LA PUENTE	CA	91744	San Bernardino
49018342	LUPO FAMILY TRUST 10-11-02	28242 WHIPPOORWILL CIR	SHINGLETOWN	CA	96088	San Bernardino
49018343	BURTON, MICHAEL S	2370 N VERMONT AVE	LOS ANGELES	CA	90027	San Bernardino
49018344	KECK, JACK R & SALLIE A FAM TR 2/12/	41007 W 22ND ST	PALMDALE	CA	93551	San Bernardino
49018345	KECK, JACK R & SALLIE A FAM TR 2/12/	41007 W 22ND ST	PALMDALE	CA	93551	San Bernardino
49018437	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49018438	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49019110	HORST, E CLEMENS III	107 SERRES DR	SONOMA	CA	95476	San Bernardino
49019117	MARTONY, EDWARD	P O BOX 330	ESCONDIDO	CA		San Bernardino
49019118	ESCAIP, NED TR	22600 CLAREDON ST	WOODLAND HILLS	CA	91367	San Bernardino
49019121	RUBENS, VALIA TRUST 10-27-03 -EST OF	PO BOX 17715	SAN DIEGO	CA		San Bernardino
49019124	ANA PROPERTIES LLC	P O BOX 1510	LA MIRADA	CA	90637	San Bernardino
49020106	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49020107	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49104115	NGUYEN, HA THI	14900 ARLETTE DR APT 182	VICTORVILLE	CA	92392	San Bernardino
49104115	NGUYEN, HA THI	14900 ARLETTE DR APT 182	VICTORVILLE	CA	92392	San Bernardino
49104116	KAPLAN, STEVEN W	12227 198 AVE NE	WOODINVILLE	WA	98077	San Bernardino
49104120	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90013	San Bernardino
49104121	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90013	San Bernardino
49104126	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90013	San Bernardino
49104127	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90013	San Bernardino
49104128	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90013	San Bernardino
49104129	STATE OF CALIFORNIA	1807 13TH STREET SUITE 103	SACRAMENTO	CA	95811	San Bernardino
49109101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49109105	KRAMER JUNCTION MINING LLC	7009 ALAMOSA WAY	LAS VEGAS	NV	89128	San Bernardino
49109107	LOH INVESTMENT LIMITED PARTNERSHIP	3870 MURPHY CANYON RD STE 150	SAN DIEGO	CA	92123	San Bernardino
49109107	LOH INVESTMENT LIMITED PARTNERSHIP	3870 MURPHY CANYON RD STE 150	SAN DIEGO	CA	92123	San Bernardino
49109116	O CONNOR, ROBERT T	1715 ROLLING HILLS DR	PRESCOTT	AZ	86303	San Bernardino
49109118	NGUYEN, HA THI	8142 CALPELLA AVE	HESPERIA	CA	92345	San Bernardino

49109144	R & M TRUST 10-3-180	5415 E DAGGETT ST	LONG BEACH	CA	90815	San Bernardino
49109148	ATCHISON TOPEKA & SANTA FE RR	P O BOX 1738	TOPEKA	KS	66601	San Bernardino
49110106	AMERICAN BORATE CO	5701 CLEVELAND ST SUITE 350	VIRGINIA BEACH	VA	23462	San Bernardino
49110115	AMERICAN BORATE CO	5701 CLEVELAND ST STE 350	VIRGINIA BEACH	VA	23462	San Bernardino
49110116	LUZ SOLAR PARTNERS LTD, IV	700 UNIVERSE BLVD	JUNO BEACH	FL	33408	San Bernardino
49110117	LUZ SOLAR PARTNERS LTD, III	2938 CROWNVIEW DR STE 91	RANCHO PALOS VERDES	CA	90275	San Bernardino
49110118	LUZ SOLAR PARTNERS LTD	700 UNIVERSE BLVD	JUNO BEACH	FL	33408	San Bernardino
49110118	LUZ SOLAR PARTNERS LTD	700 UNIVERSE BLVD	JUNO BEACH	FL	33408	San Bernardino
49110119	LUZ SOLAR PARTNERS LTD V	700 UNIVERSE BLVD	JUNO BEACH	FL	33408	San Bernardino
49110120	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49113101	STATE OF CALIFORNIA	464 W 4TH ST 6TH FL	SAN BERNARDINO	CA	92401-1400	San Bernardino
49113102	UNITED STATES OF AMERICA	2601 BARSTOW RD	BARSTOW	CA	92311	San Bernardino
49114106	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49114109	METOR FINANCE	PO BOX 1405	APPLE VALLEY	CA	92307	San Bernardino
49114110	HALL, JOHN II	404 E 66TH ST 12-D	NEW YORK	NY	10021	San Bernardino
49114111	TOLLACK, NANCY C	838 ARLEN CT	VISALIA	CA	93277	San Bernardino
49114119	FJELSTAD, MICHAEL M	PO BOX 66458	SCOTTS VALLEY	CA	95067	San Bernardino
49114132	KIM, ANTHONY	PO BOX 3694	VICTORVILLE	CA	92393	San Bernardino
49114144	LIMON FAMILY LIVING TRUST 1/21/04	4449 LA RICA AVE	BALDWIN PARK	CA	91706	San Bernardino
49114171	PEREZ, BLAS S	P O BOX 1935	HAGATNA	GU		San Bernardino
49114172	TOPASNA, JOAQUIN Q	21511 148TH ST E	BONNEY LAKE	WA	98391	San Bernardino
49115105	STATE OF CALIFORNIA	1807 13TH STREET SUITE 103	SACRAMENTO	CA	95811	San Bernardino
49115110	ROUGE MOUNTAIN MINING GROUP CORP	251 GINKO TER	SUNNYVALE	CA	94086	San Bernardino
49115111	KRAMER JUNCTION LTD	PO BOX 6622	WOODLAND HILLS	CA	91365	San Bernardino
49115112	KRAMER JUNCTION LTD	PO BOX 6622	WOODLAND HILLS	CA	91365	San Bernardino
49115114	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	91770	San Bernardino
49115115	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90013	San Bernardino
49115116	MASSONE, RAYMOND	2526 BELLCHASE DR	MANTECA	CA	95336	San Bernardino
49115119	PALASHEWSKY, VLADIMIR	32724 COASTSITE DR UNIT 206	RANCHO PALOS VER	CA	90274	San Bernardino
49115127	NAKAYA, VENTURES INC	PO BOX 2917	HELENDALE	CA	92342	San Bernardino
49115128	JONES, ROBERT A	P O BOX 2193	TAHACHAPI	CA	93581	San Bernardino
49115129	JONES, JERRI J	P.O. BOX 2193	TEHACHAPI	CA	93581	San Bernardino
49115138	LUZ SOLAR PARTNERS LTD, III	700 UNIVERSE BLVD	JUNO BEACH	FL	33408	San Bernardino
49115138	LUZ SOLAR PARTNERS LTD, III	700 UNIVERSE BLVD	JUNO BEACH	FL	33408	San Bernardino
49116410	HELMAND, ROBERT B	15210 N SCOTTSDALE RD STE 230	SCOTTSDALE	AZ	85254	San Bernardino
49117103	D & P RESTAURANT CORPORATION	P O BOX 54470 STORE 200	LEXINGTON	KY	40555	San Bernardino
49117104	D AND P RESTAURANT CORP	P O BOX 54470 STORE 200	LEXINGTON	KY	40555	San Bernardino
49117105	KRAMER APARTMENTS CORPORATION	40716 HIGHWAY 395 STORE # 200	BORON	CA	93516	San Bernardino
49117106	HELMAND, ROBERT B	15210 N SCOTTSDALE RD STE 230	SCOTTSDALE	AZ	85254	San Bernardino
49117107	HELMAND, ROBERT B	15210 N SCOTTSDALE RD STE 230	SCOTTSDALE	AZ	85254	San Bernardino
49117108	HELMAND, ROBERT B	170 S MAIN ST STE 750	SALT LAKE CITY	UT	84101	San Bernardino
49117135	JOHN WILKS COMPANY	607 COVINGTON AVE	SIMI VALLEY	CA	93065	San Bernardino
49121104	AEK GLOBAL INVESTMENTS LLC	4603 HURFORD TER	ENCINO	CA	91436	San Bernardino
49121106	BALAKHANEH, MANSOUR	17202 LYNN ST	HUNTINGTON BEACH	CA	92649	San Bernardino
49121107	WILLIS, ALVIN H	880 N MINSTREL RD	SEQUIM	WA	98382-3077	San Bernardino

49121201	BRADSHAW, ARDON V	4102 MT HERBERT	SAN DIEGO	CA	92117	San Bernardino
49121202	HANSON, EDWIN A JR	976 N 2500 W	HURRICANE	UT	84737	San Bernardino
49121207	SWERKES, HENRY	17310 GRESHAM ST	NORTHRIDGE	CA	91325	San Bernardino
49121208	SEIZED PROPERTY	PO BOX 431	MIRA LOMA	CA	91752	San Bernardino
49121210	STODDARD, MARK D	6994 CROOKED FINGER RD NE	SCOTTS MILLS	OR	97375	San Bernardino
49121211	HILL, JUDITH M TRUST 5-10-04	4428 JUTLAND DR	SAN DIEGO	CA	92117	San Bernardino
49201203	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49203230	LUCKHAM, RICHARD C	PO BOX 41865	LONG BEACH	CA	90853	San Bernardino
49203237	WAGNER, JAMES E JR	P O BOX 8063	TUMACACORI	AZ	85640	San Bernardino
49203240	CSIERNIK AMERICA HOLDINGS CORP	125 EAST 8TH ST	HAMILTON ONTARIO	CANADA	L9A 4Y7	San Bernardino
49203241	ULRICH, WERNER E	URSPRUNGSTRASSE 4	ANDELFINGEW		8450	San Bernardino
49203248	MEMON, WAQAS	18928 KILFINAN ST	PORTER RANCH	CA	91326	San Bernardino
49204101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49204102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49205101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49205125	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49205180	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49205181	ALBERTI, BARBARA A	8126 SILVER BRIDGE RD	PALO CEDRO	CA	96073	San Bernardino
49205182	SOUTHERN CALIF PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49205186	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49205190	HIGH DESERT LAND ACQUISITON LLC	700 UNIVERSE BLVD	JUNO BEACH	FL	33408	San Bernardino
49205191	HIGH DESERT LAND ACQUISITON LLC	700 UNIVERSE BLVD	JUNO BEACH	FL	33408-2683	San Bernardino
49206101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49206111	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49206113	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49206122	BONNER, MICHAEL J	960 E ADA AVE	GLENDORA	CA	91741	San Bernardino
49206127	SEASON'S LAND CORP	3595 INLAND EMPIRE BLVD BLDG 3	ONTARIO	CA	91764	San Bernardino
49206128	COFFMAN, J MIKE	21911 DOTAME	APPLE VALLEY	CA	92307	San Bernardino
49206129	STOEBE, ANGELO	402 DOVE LN	PETALUMA	CA	94954	San Bernardino
49206130	RAMBADT, JAMES M	86 KNOLLVIEW CT	SIMI VALLEY	CA	93065	San Bernardino
49207107	UNITED STATES OF AMERICA	6221 BOX SPRINGS BLVD	RIVERSIDE	CA	92507	San Bernardino
49211146	DELGADILLO, JESUS	6510 WINEVILLE AVE	MIRA LOMA	CA	91752	San Bernardino
49212101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49212102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49212106	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49212107	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49212112	FRANCO, VICTOR	2062 P O BOX	PALM SPRINGS	CA		San Bernardino
49213101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49213102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49213105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49213107	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49213116	SOUTHERN CALIF PUBLIC POWER AUTHORIT	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49213117	SOUTHERN CALIF PUBLIC POWER AUTHORIT	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49213118	JONES, DANNY R TR	P O BOX 2700	CALIFORNIA CITY	CA	93505	San Bernardino
49213119	JONES, DANNY R TR	P O BOX 2700	CALIFORNIA CITY	CA	93505	San Bernardino

49213124	ATCHISON TOPEKA AND SANTA FE RR CO	P O BOX 1738	TOPEKA	KS	66601	San Bernardino
49213124	ATCHISON TOPEKA AND SANTA FE RR CO	P O BOX 1738	TOPEKA	KS	66601	San Bernardino
49214101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49215101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49216101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49217101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49218101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49219102	D & P RESTAURANT CORP	40716 HIGHWAY 395	BORON	CA	93516	San Bernardino
49219103	KRAMER APARTMENTS CORP	40716 HIGHWAY 395	BORON	CA	93516	San Bernardino
49219104	KRAMER SERVICE CORP	40716 HIGHWAY	BORON	CA	93516	San Bernardino
49219105	D & P RESTAURANT CORP	STAR RT KRAMER JUNCTION	BORON	CA	93516	San Bernardino
49219106	D & P RESTAURANT CORP	40716 HIGHWAY 395	BORON	CA	93516	San Bernardino
49219107	ATCHISON TOPEKA AND SANTA FE RR CO	P O BOX 1738	TOPEKA	KS	66601	San Bernardino
49219212	KRAMER APARTMENTS CORP	40716 HIGHWAY 395	BORON	CA	93516	San Bernardino
49219213	HOLMES FAMILY 1998 TR -EST OF	P O BOX 931	HOXIE	KS	67740	San Bernardino
49219215	KAREN D CAILLIER TRUST	25831 CHERRY HILL DR	BORON	CA	93516	San Bernardino
49219218	CAILLIER, KAREN D REVOCABLE TRUST 3/	25831 CHERRY HILL DR	BORON	CA	93516	San Bernardino
49219218	CAILLIER, KAREN D REVOCABLE TRUST 3/	25831 CHERRY HILL DR	BORON	CA	93516	San Bernardino
49219222	SOUTHERN CALIFORNIA PUB POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49219223	CAILLIER, KAREN D REVOCABLE TRUST 3/	25831 CHERRY HILL DR	BORON	CA	93516	San Bernardino
49219225	CAILLIER, KAREN D REVOCABLE TRUST 3/	25831 CHERRY HILL DR	BORON	CA	93516	San Bernardino
49219226	CAILLIER, KAREN D REVOCABLE TRUST 3/	25831 CHERRY HILL DR	BORON	CA	93516	San Bernardino
49219230	CAILLIER, KAREN D REVOCABLE TRUST 3/	25831 CHERRY HILL DR	BORON	CA	93516	San Bernardino
49219231	CAILLIER, ROBERT TR	25831 CHERRY HILL DR	BORON	CA	93516	San Bernardino
49219233	HOLMES FAMILY 1998 TR -EST OF	4443 S HUACHUCA WAY	CHANDLER	AZ	85249	San Bernardino
49219304	CAILLIER, KAREN D REVOCABLE TRUST 3/	25831 CHERRY HILL DR	BORON	CA	93516	San Bernardino
49219305	SOUTHERN CALIFORNIA EDISON COMPANY	ADDRESS UNKNOWN				San Bernardino
49219307	PATEL, JAYANTILAL M	5875 HIGHWAY 58	KRAMER JUNCTION	CA	93516	San Bernardino
49219309	CAILLIER, ROBERT A TR	25831 CHERRY HILL DR	BORON	CA	93516	San Bernardino
49219310	CAILLIER, ROBERT A & ESTHER L TR	25831 CHERRY HILL DR	BORON	CA	93516	San Bernardino
49219312	CITY OF LOS ANGELES	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49219405	SOUTHERN CALIFORNIA EDISON COMPANY	ADDRESS UNKNOWN				San Bernardino
49219410	SOUTHERN CALIFORNIA EDISON COMPANY	1851 W VALENCIA DR	FULLERTON	CA	92833	San Bernardino
49219412	D & P RESTAURANT CORP	P O BOX 54470 STORE 200	LEXINGTON	KY	40555	San Bernardino
49219413	D & P RESTAURANT CORPORATION	40716 HIGHWAY 395	BORON	CA	93516	San Bernardino
49220101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49220101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49220102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49220105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49220107	GUZINSKI, KATHLEEN ANN	315 CORREAS ST	HALF MOON BAY	CA	94019	San Bernardino
49229149	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229150	VILLAO, ROMEO A	5434 BAROQUE DR	HOLIDAY	FL	34690	San Bernardino
49229151	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229153	SOUTHERN CAL PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229155	SOUTHERN CALIFORNIA PUB POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino

49229156	ENMORE GREEN CORPORATION	43619 N 17TH ST W #103	LANCASTER	CA	93534	San Bernardino
49229157	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229159	SOUTHERN CAL PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229161	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229163	SOUTHERN CALIF PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229164	HIGH DESERT LAND ACQUISITON LLC	700 UNIVERSE BLVD	JUNO BEACH	FL	33408	San Bernardino
49229165	SOUTHERN CALIF PUBLIC POWER AUTHORIT	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229166	SOUTHERN CALIF PUBLIC POWER AUTHORIT	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229169	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229170	SCHUETTE, MARK	3428 AUTUMN DRIVE	DORAVILLE	GA	30340	San Bernardino
49229171	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229172	CANONIZADO, CHRISTINA	414 ALTA VISTA AVE	FAIRMONT	WV	26554	San Bernardino
49229173	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229174	MARDIROSSIAN, PASCALE M	19926 SEAGULL WAY	SARATOGA	CA	95070	San Bernardino
49229175	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229176	LINDSAY, RONALD G TR	3501 WILD BERRY WAY	VALRICO	FL	33594	San Bernardino
49229177	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229178	SECRETO, RAMON E	3209 HUMBOLT AVE	SANTA CLARA	CA	95051	San Bernardino
49229179	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229180	FOSTER, HAROLD T	2056 MULLHOLLAND DR	BULLHEAD	AZ	86426	San Bernardino
49229181	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229182	FOSTER, HAROLD T	2056 MULHOLLAND DR	BULLHEAD	AZ	86426	San Bernardino
49229183	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229184	NOVAK, KAREL J	1389 KENILWOOD LN	DEERFIELD	IL	60015	San Bernardino
49229185	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49229187	HANNA, BISHOY S	10522 W PICO BLVD	LOS ANGELES	CA	90064	San Bernardino
49229188	SOUTHERN CALIFORNIA PUBLIC POWER AUT	P O BOX 51111 RM 1208	LOS ANGELES	CA	90051	San Bernardino
49234103	LUU, PHU BINH	5209 W LEHNHARDT AVE	SANTA ANA	CA	92704	San Bernardino
49234104	UNIVERSAL EXPOSURE INC	351 VERANO DR	OJAI	CA	93023	San Bernardino
49234105	COTE, VICTOR C	2507 WALNUT CREEK PKWY	WEST COVINA	CA	91791	San Bernardino
49234106	COTE, VICTOR C	2507 WALNUT CREEK PKWY	WEST COVINA	CA	91791	San Bernardino
49234107	FERRY, ANDREW	8086 PEACH AVE	HESPERIA	CA	92345	San Bernardino
49234108	JONES, OSGOOD & DOROTHY REV LIV TR	4261 LOCKHAVEN LN	RIVERSIDE	CA	92505	San Bernardino
49234204	MCCOLLUM, JAMES A & EVA R TR (10-18-	253 RAINBOW DR #15333	LIVINGSTON	TX	77399	San Bernardino
49234205	LAND4LESS.US LLC	18521 E QUEEN CREEK RD STE# 105-02	QUEEN CREEK	AZ	85142	San Bernardino
49234206	COLLINS 2000 FAMILY TRUST (5-16-00)	8051 JASON AVE	WEST HILLS	CA	91304	San Bernardino
49234207	FINNEGAN, STANLEY G	208 FARWAY DR	ACWORTH	GA	30101	San Bernardino
49234209	VOLK, ALDINE E	25221 HARTOG ST	LAGUNA HILLS	CA	92653	San Bernardino
49234210	LISING, MARELEO A	31320 BRAE BURN AVE	HAYWARD	CA	94544	San Bernardino
49234211	MUELLER, ALVIN E TR	21140 HIGHWAY 18	APPLE VALLEY	CA	92307	San Bernardino
49235106	MELENDREZ, ADOLPHE P	3012 GREENLEAF STREET	WEST COVINA	CA	91792	San Bernardino
49235107	TRIEGLAFF, ROHN S	14467 RIMGATE CT	SAN DIEGO	CA	92129	San Bernardino
49235108	ELDRIDGE, ROBERT G JR	10787 JEANNE TERRACE ST NO C	SANTEE	CA	92071	San Bernardino
49235109	BRYANT, CHARLES F	13701 ANNENDALE DR 14-B	SEAL BEACH	CA	90740	San Bernardino
49235110	CHRISTIANSEN, MARK W	24001 MUIRLANDS #145	LAKE FOREST	CA	92630	San Bernardino

49235207	VOSSEN, PATRICIA	P O BOX 21012	BULLHEAD CITY	AZ		San Bernardino
49235208	FRIEZE, NORMAN K TR	14904 LINDHALL WAY	WHITTIER	CA	90604	San Bernardino
49235209	PALMERIN, LUCIO C	23201 MILL CREEK DR 3RD FL	LAGUNA HILLS	CA	92653	San Bernardino
49236101	NELSON, ROBERT E	205 GREEN ST	RIDGESPRING	SC	29129	San Bernardino
49237103	HEDRICK, LEON W	13199 BEAR MOUNTAIN RD	REDDING	CA	96003	San Bernardino
49237104	BEASON, GERALD W JR TR	PO BOX 1031	ATWOOD	CA	92811	San Bernardino
49237105	WESTERN AMERICA SERVICE CORP	13743 VENTURA BLVD #290	SHERMAN OAKS	CA	91423	San Bernardino
49237106	CHOW, ROBERT	941 22ND ST	SANTA MONICA	CA	90403	San Bernardino
49237107	PINEDA, BARBARA G	3466 DATA DR #916	RANCHO CORDOVA	CA	95670	San Bernardino
49237207	VOSSEN, PATRICIA	P O BOX 21012	BULLHEAD CITY	AZ		San Bernardino
49237208	WONG, JUNE REVOCABLE LIV TR 9/12/13	1345 W 123RD ST	LOS ANGELES	CA	90044	San Bernardino
49237209	ADKINS, CLIFFORD L	1112 E 520 RD	MORRISVILLE	MO	65710	San Bernardino
49237210	SEASON'S LAND CORP	3595 INLAND EMPIRE BLVD BLDG 3	ONTARIO	CA	91764	San Bernardino
49237211	MCCLYMONT FAMILY TRUST 7/21/72	57780 BLACK DIAMOND	LA QUINTA	CA	92253	San Bernardino
49238109	S-G ROOFING SUPPLIES INC	P O BOX 1464	SANTA ANA	CA	92702	San Bernardino
49238110	COUPLAND, RICHARD C JR TR AGREEMNT 1	4902 E CALLE DEL NORTE	PHOENIX	AZ	85018	San Bernardino
49301104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49301105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49301107	DIAWATAN, ROMMEL S	7780 NORCANYON WAY	SAN DIEGO	CA	92126	San Bernardino
49301116	TONG, NHIEM	PO BOX 2411	LA HABRA	CA	90632	San Bernardino
49301121	WILLIAMS, ZELMA L	1015 W 68TH TERRACE	KANSAS CITY	MO	64113	San Bernardino
49301122	KULLI, JOHN C	2102 BLAIRMONT DR UPPER	ST CLAIR	PA	15241	San Bernardino
49301134	SAO, IETITAIA	5635 DELANO AVE	SAN DIEGO	CA	92120	San Bernardino
49301135	SMITH, JASON D	P O BOX 491	LA VERNE	CA	91750	San Bernardino
49301139	MORAN, KEVIN	1504 BRYN MAWR AVE	LAS VEGAS	NV	89102	San Bernardino
49301140	LOPEZ, PENNY LIVING TRUST 4/12/2007	1065 LOMITA BLVD SP 221	HARBOR CITY	CA	90710	San Bernardino
49301141	SEASON'S LAND CORP	3595 INLAND EMPIRE BLVD BLDG 3	ONTARIO	CA	91764	San Bernardino
49301142	NORDELLA, MERCEDES C TR	2095 ST THOMAS	CAMBRIA	CA	93428	San Bernardino
49301143	LA PUMA, LEE A AND FRANCES	2085 ROYAL WAY	SAN LUIS OBISPO	CA	93405	San Bernardino
49301146	PROFESSIONAL EQUITIES INTERNATIONAL	23201 MILL CREEK DR 3RD FL	LAGUNA HILLS	CA	92653	San Bernardino
49301149	SOUMEKH, MICHAEL	1140 S ALFRED ST	LOS ANGELES	CA	90035	San Bernardino
49301150	TIBERIO TRUST 10-9-00	13250 E PHILADELPHIA ST #302	WHITTIER	CA	90601-5322	San Bernardino
49301158	PHAM, DAVID H	11181 FAME AVE	GARDEN GROVE	CA	92840	San Bernardino
49301164	ENTRUST ADMINISTRATION INC FBO NUGUI	142 PARK SHADOWS	BALDWIN PARK	CA	91706	San Bernardino
49301165	MANIWANG, CELSO P	13301 COUNTRY TRAILS LN	AUSTIN	TX	78732	San Bernardino
49301172	CHAVEZ, ANTHONY & MARGARET TR 4/12/0	3530 BEAR DR	SAN DIEGO	CA	92103	San Bernardino
49301175	DELGADO FAMIILY TRUST 7-8-02	PO BOX 741	SIMI VALLEY	CA	93062	San Bernardino
49309103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49501108	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49501180	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49501182	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49501184	CALIFORNIA PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49501186	SO CALIFORNIA PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49501187	TURNER, OSCAR REV LIV TRUST (1-8-03)	135 HIETT CT	FAYETTEVILLE	GA	30214	San Bernardino
49501188	SOUTHERN CALIFORNIA PUBLIC POW AUTH	P O BOX 111 ROOM 1203	LOS ANGELES	CA	90054	San Bernardino

49501189	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
49501190	SO CALIFORNIA PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49501191	LOZANO, JOSE	1510 MONET CT	OXNARD	CA	93033	San Bernardino
49511205	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511219	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49511224	PACIFIC GAS & ELECTRIC COMPANY	P O BOX 770000	SAN FRANCISCO	CA	94117	San Bernardino
49511228	PACIFIC GAS & ELECTRIC COMPANY	PO BOX 770000	SAN FRANCISCO	CA	94117	San Bernardino
49511229	PACIFIC GAS & ELECTRIC COMPANY	PO BOX 770000	SAN FRANCISCO	CA	94117	San Bernardino
49511232	PACIFIC GAS AND ELECTRIC COMPANY	P O BOX 770000	SAN FRANCISCO	CA	94117	San Bernardino
49511242	SO CALIF PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511243	SOUTHERN CALIFORNIA PUBLIC POWER AUT	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511246	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511247	HENSON, DENNIS L TR	11243 ARROWOOD ST	ARCADIA	CA	91006	San Bernardino
49511248	CITY OF LOS ANGELES	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511250	SOUTHERN CALIFORNIA PUBLIC POWER	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511252	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511254	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511255	BURSIK, GEORGE	113 W MINARETS	PINEDALE	CA	93650	San Bernardino
49511256	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511258	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511259	MOON FAMILY TRUST 4/21/16	21515 HALSTEAD RD	HINKLEY	CA	92347	San Bernardino
49511260	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511262	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511263	EQUITY TRUST COMPANY, FBO C J CONNOR	13043 CHOCO RD	APPLE VALLEY	CA	92308	San Bernardino
49511264	CITY OF LOS ANGELES	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511266	CITY OF LOS ANGELES/DWP	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511267	SITKA, DARROW E	17100 BEAR VALLEY RD STE B #186	VICTORVILLE	CA	92395	San Bernardino
49511268	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511269	SENN, LEE TR	1123 E IDAHOME ST	WEST COVINA	CA	91722	San Bernardino
49511270	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511271	IBARRA, MARIA G	1147 W STRUCK AVE	ORANGE	CA	92867	San Bernardino
49511272	SOUTHERN CALIFORNIA PUBLIC POWER	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511273	GO, MERCY	18837 MALDEN ST	NORTHRIDGE	CA	91324	San Bernardino
49511274	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511275	PACIFIC GAS & ELECTRIC COMPANY	P O BOX 7054 / MC B12G	SAN FRANCISCO	CA	94120	San Bernardino
49511276	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511277	CONNORS, CHRISTOPHER J IRA	17260 BEAR VALLEY RD NO 110	VICTORVILLE	CA	92395	San Bernardino
49511278	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49511279	BELL, KOUROSH (MINOR)	13243 WOODCOCK AVE	SYLMAR	CA	91342	San Bernardino
49514202	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	91770	San Bernardino
49514224	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49514226	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49514228	SOUTHERN CAL PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49514229	HSIEH, YING P TR	3496 BUDLEIGH DR	HACIENDA HEIGHTS	CA	91745	San Bernardino
49514230	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino

49514232	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49514233	SMITH, AMY	1645 DWIGHT WAY	BERKELEY	CA	94703	San Bernardino
49514234	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49514235	SPERRY, PATRICIA LIVING TRUST 06/07/	1605 KIT LN W	BILLINGS	MT	59106	San Bernardino
49514236	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49514237	DIAZ, JOE	3308 ARDEN WAY	CHINO HILLS	CA	91709	San Bernardino
49514238	SOUTHERN CALIFORNIA PUBLIC POWER	P O BOX 111 RM 1203	LOS ANGELES	CA	90054	San Bernardino
49514239	MEDINA, HERIBERTO FAMILY TRUST 1/23/	11261 HEWITT AVE	SAN FERNANDO	CA	91340	San Bernardino
49515101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49515118	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49515119	RASSP, HERMAN & BEVERLY A TRS	P O BOX 6548	BURBANK	CA	91510	San Bernardino
49515120	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49515122	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49515123	FISHER, DAVID E	BOX 1837	BARSTOW	CA	92312	San Bernardino
49515124	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49515125	HAMILTON FAMILY TRUST 5-4-11	341 MEATS AVE	ORANGE	CA	92665	San Bernardino
49515126	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49515127	MEJIA, MARY	2722 DOUBLETREE	ROWLAND HTS	CA	91748	San Bernardino
49515128	CITY OF LOS ANGELES	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49515129	MATA, JOHN A	1477 FLINTROCK RD	HENDERSON	NV	89014-3042	San Bernardino
49515130	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49515131	HIGHFILL TRUST 12/6/1999 -EST OF	3173 VIA VISTA UNIT B	LAGUNA WOODS	CA	92637	San Bernardino
49515132	CITY OF LOS ANGELES/DWP	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49515133	FISHER, DAVID G	37114 TORRES AVE	BARSTOW	CA	92311	San Bernardino
49515134	SOUTHERN CALIFORNIA PUBLIC POWER	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49515135	ARRINGTON, SISLYN MARCELLA	P O BOX 39283	PHOENIX	AZ	85069	San Bernardino
49601104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49601165	SO CALIFORNIA PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49601167	SOUTHERN CALIF PUBLIC POWER AUTHORIT	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49601168	KIM FAMILY TRUST 7/3/12	1540 S RUNYAN ST	LA HABRA	CA	90631	San Bernardino
49601169	SO CALIF PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49601171	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49601172	ANA PROPERTIES LLC	P O BOX 1510	LA MIRADA	CA	90637	San Bernardino
49601173	SO CAL PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49601174	FACCIUTO, RALPH V	901 ANDERSON WAY	SAN GABRIEL	CA	91776-2354	San Bernardino
49601176	RIKUO USA CORPORATION	9777 WILSHIRE BLVD STE 517	BEVERLY HILLS	CA	90212	San Bernardino
49602201	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49602218	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49602223	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49602224	BARNES, MARY AND THEODORE HEIRS	17865 AVE PUERTO VALLARTA	ENCINO	CA	92327	San Bernardino
49602225	SOUTHERN CALIF PUBLIC POWER AUTHORIT	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49602226	ANA PROPERTIES LLC	P O BOX 1510	LA MIRADA	CA	90637	San Bernardino
49602227	SOUTHERN CALIFORNIA PUB POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49602229	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49602230	ALL AMERICAN REALTY HOLDINGS LLC	6320 CANOGA AVE STE 1500	WOODLAND HILLS	CA	91367	San Bernardino

49605117	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49605156	BOSTON, LINDA	473 N LALUNA AVE	OJAI	CA	93023	San Bernardino
49605160	SO CALIF PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49605162	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49605164	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49605165	GM GABRYCH FAMILY LIMITED PARTNERSHI	2006 OLD HIGHWAY 395	FALLBROOK	CA	92028	San Bernardino
49605166	SOUTHERN CALIF PUBLIC POWER AUTHORIT	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49605168	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49605170	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49605171	PSENKA, HAZEL A REV TRUST (3-4-990	1861 BALSA WOOD DR	HEMET	CA	92545	San Bernardino
49605172	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49605173	DECKER, JAMES E TR	41590 VIA ANITA	TEMECULA	CA	92592	San Bernardino
49605174	SOUTHERN CALIFOR PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49605175	BULUS, RAID	6407 W 83RD STREET	WESTCHESTER	CA	90045	San Bernardino
49605176	SOUTHERN CALIFORNIA PUBLIC POW AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
49605177	LUCIO, ROSEMARY	40892 HARPER LAKE RD	HINKLEY	CA	92347	San Bernardino
49709104	LIOU, MICHAEL	12823 MOORSHIRE DR	CERRITOS	CA	90703	San Bernardino
49709116	SAN BERNARDINO CO FLOOD CONTROL DIST	825 E 3RD ST	SAN BERNARDINO	CA	92415	San Bernardino
49709118	SAN BERNARDINO CO FLOOD CONTROL DIST	825 E THIRD ST	SAN BERNARDINO	CA	92415	San Bernardino
49709119	HINKER, JERRY R	24704 AGATE RD	BARSTOW	CA	92311	San Bernardino
49709121	WHITE, VILMA I	P O BOX 1032	CUDAHY	CA	90201	San Bernardino
49709122	SAN BERNARDINO CO FLOOD CONTROL DIST	825 E THIRD ST	SAN BERNARDINO	CA	92415	San Bernardino
49709123	MANALANG, JOSE F III	439 W 229TH ST	CARSON	CA	90745	San Bernardino
49709124	ELLIS, MARVIN A	1729 FORANE	BARSTOW	CA	92311	San Bernardino
49709130	SAN BERNARDINO CO FLOOD CONTROL DIST	825 E THIRD ST	SAN BERNARDINO	CA	92415	San Bernardino
49709131	MOJAVE WATER AGENCY	P O BOX 1089	APPLE VALLEY	CA	92307	San Bernardino
49709132	SAN BERNARDINO CO FLOOD CONTROL DIST	825 E THIRD ST	SAN BERNARDINO	CA	92415	San Bernardino
49711202	KIM, SON JAMES	4695 ELLINGTON ST	VENTURA	CA	93003	San Bernardino
49711203	RIOS, REYMUNDO S	1220 PRAIRIE DR	BARSTOW	CA	92311	San Bernardino
49711207	WIKE, GARY L TR	25184 AGATE RD	BARSTOW	CA	92311	San Bernardino
49711208	BROWN REVOCABLE TRUST 6/5/15	25208 AGATE RD	BARSTOW	CA	92311	San Bernardino
49711210	ESCUTIA, DANIEL	24241 BARK ST	LAKE FOREST	CA	92630	San Bernardino
49711211	GRIEGO, DAVID	108 PARKWAY	BARSTOW	CA	92311	San Bernardino
49711213	SPROWLS, TERRY L	35461 CARMEL CT	BARSTOW	CA	92311	San Bernardino
49711214	WATTS, JOANNE	35423 CARMEL CT	BARSTOW	CA	92311	San Bernardino
49711215	WATTS, JOANNE M	1728 YOUNG ST	BARSTOW	CA	92311	San Bernardino
49711221	SILVA, BRUNO V	1021 PUEBLO	BARSTOW	CA	92311	San Bernardino
49711226	DAVENPORT, ARTHUR E	25266 AGATE RD	BARSTOW	CA	92311	San Bernardino
49711228	ESPINOZA, ANDREW F	25046 AGATE RD	BARSTOW	CA	92311	San Bernardino
49711229	WARSAW, RHETT A	25050 AGATE RD	BARSTOW	CA	92311	San Bernardino
49711230	COLBY IRREVOCABLE SPECIAL NEEDS TR 9	18 COPPS HILL ST	LAGUNA NIGUEL	CA	92677-4705	San Bernardino
49711234	HAEFELE, MELISSA D	34110 H ST	BARSTOW	CA	92311	San Bernardino
49711237	ORTIZ, FERNANDO	35328 CARMEL CT	BARSTOW	CA	92311	San Bernardino
49711238	SANTANA, AGAPITO	P O BOX 502	RIDGECREST	CA	93556	San Bernardino
49711239	GAINES, ROBERT L	35434 CARMEL CT	BARSTOW	CA	92311	San Bernardino

49711241	BUTTERMORE, JAQUINE 2006 REV TR 10-2	P O BOX F I	BARSTOW	CA		San Bernardino
49711243	ADAMS, RICHARD	25238 AGATE RD	BARSTOW	CA	92311	San Bernardino
49711302	REDLANDS FINANCIAL SERVICES INC	300 E STATE ST STE 200	REDLANDS	CA	92373	San Bernardino
49711303	YODER, JOHN W	2494 W MAIN ST SP # 13	BARSTOW	CA	92311	San Bernardino
49711303	YODER, JOHN W	2494 W MAIN ST SP # 13	BARSTOW	CA	92311	San Bernardino
49711305	BAHENA-HIPOLITO, INOCENCIA	1605 W FLOWER AVE	FULLERTON	CA	92833	San Bernardino
49711306	SOUTHERN CALIF WATER CO	ADDRESS UNKNOWN				San Bernardino
49711307	MACHUCA, VERONICA	25522 AGATE RD	GRANDVIEW	CA	92311	San Bernardino
49711309	GATES, BESSIE R	601 MOCKINGBIRD LN # 4	CABOT	AR	72023-2496	San Bernardino
49711310	SOUTHERN CALIF WATER CO	ADDRESS UNKNOWN				San Bernardino
49711311	PITTS, WILHELMINA B	25322 AGATE RD	BARSTOW	CA	92311	San Bernardino
49711312	CARLTON, LADD O	28722 GLENHEATHER DR	HIGHLAND	CA	92346	San Bernardino
49711313	MARTINEZ, J JESUS	4232 ANNIE OAKLEY DR	LAS VEGAS	NV	89121	San Bernardino
49711321	BROWN, CORRINE	25464 AGATE	BARSTOW	CA	92311	San Bernardino
49711329	NELSON, DOLORES	25548 AGATE RD	BARSTOW	CA	90201	San Bernardino
49711330	NELSON, LEROY F	25548 AGATE RD	BARSTOW	CA	90201	San Bernardino
49711338	DYER, HENRY H	RT 1 BOX 24745	BARSTOW	CA	92311	San Bernardino
49711339	TAFOYA, HAYDEE MARIA DE LA PAZ	23201 MILL CREEK DR 3RD FLOOR	LAGUNA HILLS	CA	92653	San Bernardino
49711356	RUIZ, GILBERTO	23201 MILL CREEK DR 3RD FL	LAGUNA HILLS	CA	92653	San Bernardino
49711358	ZARAGOZA-ROMAN, MIGUEL ANGEL	763 W 19TH ST	SAN BERNARDINO	CA	92405	San Bernardino
49711359	INES, MARCO ANTONIO	2921 1/2 E BARK ST	LOS ANGELES	CA	90023	San Bernardino
49711360	RIOS, REYMUNDO S	1220 PRAIRIE DR	BARSTOW	CA	92311	San Bernardino
49714302	SALAZAR, DAVID	PO BOX 292625	PHELAN	CA	92329	San Bernardino
49714303	LIM, BOK KYU	6060 LA GRANGE LN	CHINO	CA	91710	San Bernardino
49714305	ATCHISON TOPEKA AND SANTA FE RR CO	P O BOX 1738	TOPEKA	KS	66601	San Bernardino
49714323	ATCHISON, TOPEKA AND SANTA FE	121 E SIXTH ST	LOS ANGELES	CA	90014	San Bernardino
49714334	ATCHISON, TOPEKA AND SANTA FE	P O BOX 1738	TOPEKA	KS	66601	San Bernardino
49714337	ATCHISON TOPEKA AND SANTA FE RR CO	P O BOX 1738	TOPEKA	KS	66601	San Bernardino
49724102	RJ PREMIER PROPERTIES LLC	2 DANVILLE LN	COTO DE CAZA	CA	92679	San Bernardino
49724121	BOYD, ARTIMEASE G	P O BOX 223601	DALLAS	TX	75222	San Bernardino
49724122	VALOV, WILLIAM	2339 MONTARA DRIVE	HACIENDA HEIGHTS	CA	91745	San Bernardino
49724123	RANGEL, ARTURO	26130 AGATE RD	BARSTOW	CA	92311	San Bernardino
49724153	HARKINS, JOEL D REV TRUST 10-3-01	PO BOX 1049	JACKSONVILLE	OR	97530	San Bernardino
49724154	ATCHISON TOPEKA AND SANTA FE RR CO	P O BOX 1738	TOPEKA	KS	66601	San Bernardino
49724155	JUKKOLA, DAVID ERIC	929 DOWNING AVE	CHICO	CA	95926	San Bernardino
49724156	RJ PREMIER PROPERTIES LLC	2 DANVILLE LN	COTO DE CAZA	CA	92679	San Bernardino
49724168	ATCHISON, TOPEKA & SANTA FE RW CO	P O BOX 1738	TOPEKA	KS	66601	San Bernardino
49726101	HOWIE, JAMES III	35390 WESTERN DR	BARSTOW	CA	92311	San Bernardino
49726102	FELIX, ANGELIKA	35380 WESTERN DR	BARSTOW	CA	92311	San Bernardino
49726103	GIBELYOU, LOIS I	35370 WESTERN DR	GRANDVIEW	CA	92311	San Bernardino
49726104	CAGLE, GENEVA V	35360 WESTERN DR	BARSTOW	CA	92311	San Bernardino
49726105	BENITEZ, FRANK	35350 WESTERN DR	GRANDVIEW	CA	92311	San Bernardino
49726205	RODRIGUEZ FAMILY TRUST 10-23-02	35351 WESTERN AVE	LENWOOD	CA	92311	San Bernardino
49726206	PIMIENTA, GUSTAVO	35361 WESTERN AVE	BARSTOW	CA	92311	San Bernardino
49726207	SERRATO, GUADALUPE G	35371 WESTERN DR	BARSTOW	CA	92311	San Bernardino

49726208	MATLEY, NANCY E LIVING TR 7/2/09	1109 PINE LN	BIG BEAR CITY	CA	92314	San Bernardino
49726209	ESPINO, HUGO DANIEL MEDRANO	35391 WESTERN DR	BARSTOW	CA	92311	San Bernardino
49801224	TONG, NHIEM	PO BOX 2411	LA HABRA	CA	90632	San Bernardino
49801224	TONG, NHIEM	PO BOX 2411	LA HABRA	CA	90632	San Bernardino
49801225	CAPITAL HOLDINGS INC	3595-3 INLAND EMPIRE BLVD	ONTARIO	CA	91764	San Bernardino
49801226	METOR FINANCE	PO BOX 1405	APPLE VALLEY	CA	92307	San Bernardino
49801226	METOR FINANCE	PO BOX 1405	APPLE VALLEY	CA	92307	San Bernardino
49804106	MC NUTT, KATHERINE M	314 KENNETH RD	GLENDALE	CA	92307	San Bernardino
49804113	SEASON'S LAND CORP	3595 INLAND EMPIRE BLVD BLDG 3	ONTARIO	CA	91764	San Bernardino
49804118	LLEMI BAGS LTD	2A KAISER ESTATE 41 MAN YUE ST HUNG	HONG KONG			San Bernardino
49804118	LLEMI BAGS LTD	2A KAISER ESTATE 41 MAN YUE ST HUNG	HONG KONG			San Bernardino
49804125	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90013	San Bernardino
49804126	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90013	San Bernardino
49804127	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90013	San Bernardino
49804128	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90013	San Bernardino
49805102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
49827101	SBRACCIA FAMILY TRUST 5-20-04	6054 SAN ROLANDO WAY	BUENA PARK	CA	90620	San Bernardino
49827102	ROLAND, LUCILE O	3310 FIRST AVE APT 4B	SAN DIEGO	CA	92103	San Bernardino
49827202	WADA, SUSAN	269 RESERVATION RD APT 222	MARINA	CA	93933	San Bernardino
49827203	MADDOX, CURTIS J	727 RIVERTREE DR	OCEANSIDE	CA	92058	San Bernardino
49827204	NOBLE, JEFFREY W	36215 GOLDEN GATE DR	YUCAIPA	CA	92399	San Bernardino
49827205	RAHMAN, SHAHID	14439 BAILEY CT	VICTORVILLE	CA	92394	San Bernardino
49827601	YOUNG, AVELINA D	901 E 19TH ST	GALENA	KS	66739	San Bernardino
49827602	AMBEGIA, JOE A	27862 DOGWOOD GLEN	ESCONDIDO	CA	92026	San Bernardino
49827603	DOMINGUEZ, JAY R	2725 HACKETT AVE	LONG BEACH	CA	90815	San Bernardino
49827604	LEONARD, JAMES L	2601 LARNE CT	WILMINGTON	NC	28411	San Bernardino
49827605	PEETERS, AUGUST	SIJLENSTRAAT 5	LICHTAART	BELGIUM	24601	San Bernardino
49827606	COMMENT, CLARE	9 E MAIN ST UNIT 309	BAY CITY	MI	48708	San Bernardino
49830103	VAUTRIN, SUSANNA E B	2975 B ST	SAN DIEGO	CA	92102	San Bernardino
49830401	MEADOWS, DEREL W	2271 E EL PASO AVE	FRESNO	CA	93720	San Bernardino
49830402	KAWAHARA, TAKESHI TR	7463 GRIGGS WAY	SACRAMENTO	CA	95831	San Bernardino
49830403	ALNAS, RAYMOND	P O BOX 664	SAN JUAN BAUTISTA	CA	95045	San Bernardino
49830404	AHMADIEH, DANIELLE	6967 GLENVIEW DR	SAN JOSE	CA	95120	San Bernardino
49830405	PHELPS, FORREST D	898 SECOND AVE	CHULA VISTA	CA	92011	San Bernardino
49830406	RAMOS, EDWIN	9938 W WEDGEWOOD CT	CRYSTAL RIVER	FL	34428	San Bernardino
49830407	CLAVERIA, LEOVANNIE G	14526 BISON CT	EASTVALE	CA	92880-1099	San Bernardino
49830408	DISPERATI, YOLANDA	1014 N FIFTH ST	SAN JOSE	CA	95112	San Bernardino
49830501	FISH, LEWIS F	4685 HORTON RD	GARFIELD HEIGHTS	OH	44125	San Bernardino
49830502	COOPER,K EDWARD B & MILDRED V TR 3/3	2066 CARLTON PL	RIVERSIDE	CA	92507	San Bernardino
49830702	ABEJO, OSCAR S	5309 NEWPORT DR	LISLE	IL	60532-2173	San Bernardino
49830703	DOSE FAMILY TRUST (6-17-05)	5072 PACIFICA DR	SAN DIEGO	CA	92109	San Bernardino
49830704	WESTERN AMERICA SERVICE CORP	13743 VENTURA BLVD # 290	SHERMAN OAKS	CA	91423	San Bernardino
49830705	AITCHINSON, ROBERT W	25272 SWANWAY COURT	DANA POINT	CA	92629	San Bernardino
50217102	UNITED STATES OF AMERICA	150 COOLWATER LN	BARSTOW	CA	92311	San Bernardino
50217103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino

50217104	UNITED STATES OF AMERICA	150 COOLWATER LN	BARSTOW	CA	92311	San Bernardino
50218103	HARPER 2000 TRUST 10-19-00	3635 PARADISE DR	TIBURON	CA	94920	San Bernardino
50218104	YI, YONG MIN	4925 WILSHIRE BLVD #303	LOS ANGELES	CA	90010	San Bernardino
50220101	SUH, HO YOUN & KI BIN REVOCABLE TRUS	2529 N FALCONER WAY	ORANGE	CA	92867	San Bernardino
50220110	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50221103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50302102	UNITED STATES OF AMERICA	150 COOLWATER LN	BARSTOW	CA	92311	San Bernardino
50302104	UNITED STATES OF AMERICA	150 COOLWATER LN	BARSTOW	CA	92311	San Bernardino
50302105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50303101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50303102	UNITED STATES OF AMERICA	150 COOLWATER LN	BARSTOW	CA	92311	San Bernardino
50303104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50307101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50307105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50307106	UNITED STATES OF AMERICA	2601 BARSTOW RD	BARSTOW	CA	92311	San Bernardino
50308108	FRIEDER, MARVIN M D PURCHASE PENSION	1709 W AVENUE L12	LANCASTER	CA	93534	San Bernardino
50308110	DORA LAND	PO BOX 1405	APPLE VALLEY	CA	92307	San Bernardino
50308112	OM GRAY LLC	904 SILVER SPUR RD #479	ROLLING HILLS ESTATE	CA	90274	San Bernardino
50308114	HANNA, REFAAT K M	PO BOX 5740	SAN ANGELO	TX	76902	San Bernardino
50308115	BARBA, MARY L FAMILY TRUST	11236 PALA PL	MIRA LOMA	CA	91752-1732	San Bernardino
50308117	HANNA, REFAAT K M	PO BOX 5740	SAN ANGELO	TX	76902	San Bernardino
50308118	OM GRAY LLC	904 SILVER SPUR RD #479	ROLLING HILLS ESTATE	CA	90274	San Bernardino
50308119	SABIH, DAVID	26333 SCENIC RD	CARMEL	CA	93923-9111	San Bernardino
50308120	SABIH, DAVID	26333 SCENIC RD	CARMEL	CA	93923-9111	San Bernardino
50309101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50321117	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50329101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50332101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50332102	RMDG LLC	3225 MCLEOD DR STE 100	LAS VEGAS	NV	89121	San Bernardino
50332103	DGRM LLC	PO BOX 1267	ANAHEIM	CA	92815	San Bernardino
50332104	DGRM LLC	PO BOX 1267	ANAHEIM	CA	92815	San Bernardino
50332105	DGRM LLC	PO BOX 1267	ANAHEIM	CA	92815	San Bernardino
50332106	DGRM LLC	PO BOX 1267	ANAHEIM	CA	92815	San Bernardino
50333101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50333101	RMDG, LLC	3225 MC LEOD DR STE. 100	LAS VEGAS	NV	89121	San Bernardino
50333103	DGRM LLC	PO BOX 1267	ANAHEIM	CA	92815	San Bernardino
50333104	DGRM LLC	PO BOX 1267	ANAHEIM	CA	92815	San Bernardino
50333105	DGRM LLC	PO BOX 1267	ANAHEIM	CA	92815	San Bernardino
50333106	DGRM LLC	PO BOX 1267	ANAHEIM	CA	92815	San Bernardino
50333107	RMDG LLC	3225 MCLEOD DR STE 100	LAS VEGAS	NV	89121	San Bernardino
50336101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50336102	DGRM LLC	PO BOX 1267	ANAHEIM	CA	92815	San Bernardino
50339101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50339102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50339111	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino

50339112	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50339113	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50339114	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50339116	THOMPSON, GREGORY KEITH	P O BOX 154	RANDSBURG	CA	93554	San Bernardino
50339117	STANTON, STACEY	P O BOX 189	RANDSBURG	CA	93554	San Bernardino
50339119	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50339120	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
50339121	WALKER, LYNN D	6161 TAHOE WAY	SACRAMENTO	CA	95817	San Bernardino
50339122	ARBEIT, DANA R	703 HWY 395 RED	MOUNTAIN	CA	93558	San Bernardino
50339123	KRON, CHARLES W	29 VERNA ST	BODFISH	CA	93205	San Bernardino
51601203	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51601204	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51602107	WHITE, JOHN M	54 WALNUT HILL RD	BETHEL	CT	90051	San Bernardino
51602113	RAGER, JOHN M, TR	9010 KING RANCH RD	ALTA LOMA	CA	90051	San Bernardino
51602114	DAVIS, NORMAN E & ROSEMARIE REV TR 2	40200 107TH ST	WEST LEONA VALLEY	CA	90051	San Bernardino
51602115	SHENG, JEN	6137 W TWAIN AVE	LAS VEGAS	NV	90051	San Bernardino
51602119	BREEN, JOHN P JR	5745 AMARILLO AVE	LA MESA	CA	90051	San Bernardino
51602120	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51602123	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51602125	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51602126	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51602132	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51602133	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51602134	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51602135	ANGSIY, JULIE CHING REVOCABLE LIVING	1032 N BODEN DR	ANAHEIM	CA	90051	San Bernardino
51602136	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51602138	CHACON, MELCHOR	909 70TH WAY	LONG BEACH	CA	90051	San Bernardino
51602164	NEWTON, ARTHUR R	1855 NE SUNSET ST	ROSEBURG	OR	90051	San Bernardino
51602164	NEWTON, ARTHUR R	1855 NE SUNSET ST	ROSEBURG	OR	90051	San Bernardino
51603142	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51603143	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51607102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51610101	NORMAN HOWARD CORP	P O BOX 1249	BARSTOW	CA	92312	San Bernardino
51610103	QUON TRUST 11-19-09	3900 SOMERSET DR	LOS ANGELES	CA	90051	San Bernardino
51610115	JCS FUTURE INVESTMENT PROPERTIES LLC	7222 MEADOWLARK PL	ALTA LOMA	CA	90051	San Bernardino
51610116	RAMIREZ, CRESENCIO	10750 BENNETT DR	FONTANA	CA	90051	San Bernardino
51610119	TRAN, ANDY	1236 WALNUT ST	SAN GABRIEL	CA	90051	San Bernardino
51610127	CLARK, BILL	P O BOX 344	YERMO	CA	92398	San Bernardino
51610128	CLARK, BILL EDWARD	P O BOX 344	YERMO	CA	92398	San Bernardino
51610129	GARCIA, REYNA	4035 N 1ST AVE	SAN BERNARDINO	CA	90051	San Bernardino
51610132	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	90051	San Bernardino
51610133	WATERHOUSE, CARL	935 CACTUS CT	BARSTOW	CA	92311	San Bernardino
51611102	OROZCO, TRINIDAD	3848 MARWICK AVE	LONG BEACH	CA	90051	San Bernardino
51611103	SILVER STAR INTERNATIONAL INC	217 N AZUSA AVE	AZUSA	CA	91702-3525	San Bernardino
51611104	L & J DUNCAN FAMILY LIMITED PARTNERS	2700 KADEMA DR	SACRAMENTO	CA	95864	San Bernardino

51611112	HONG, MING-CHI TR	2075 LA CALA PL	SAN MARINO	CA	91108	San Bernardino
51611114	HONG, MING-CHI TR	2075 LA CALA PL	SAN MARINO	CA	91108	San Bernardino
51611116	L & J DUNCAN FAMILY LIMITED PARTNERS	2700 KADEMA DR	SACRAMENTO	CA	95864	San Bernardino
51611118	DIAZ, JOE	PO BOX 1564	CHINO HILLS	CA	91709	San Bernardino
51611120	DIAZ, JOE	PO BOX 1564	CHINO HILLS	CA	91709	San Bernardino
51611122	STEPHENSON, MICHAEL D	13785 BLUEGRASS PL	VICTORVILLE	CA	90051	San Bernardino
51611123	MC MURTREY, DONALD W AND SHERRIE TR	275 PANORAMA DR	BAKERSFIELD	CA	90051	San Bernardino
51612101	WAN, JING FAMILY TRUST 9/13/16	2227 CASCADE WAY	ROWLAND HEIGHTS	CA	90051	San Bernardino
51612103	HOLMES, SUSAN M	BOX 181	DAGGETT	CA	92327	San Bernardino
51612104	LEWIS, SAMUELS S	166 HORIZON LN	OCEANSIDE	CA	90051	San Bernardino
51612105	BAILEY, CLEO	PO BOX 435	DAGGETT	CA	92327	San Bernardino
51612109	FITE, TENNESSEE	P O BOX 315	BARSTOW	CA	92312	San Bernardino
51612110	EVANS, CAROL TRUST 8/7/15	99 JEROME CT	WALNUT CREEK	CA	90051	San Bernardino
51612111	EVANS, CAROL TRUST 8/7/15	99 JEROME CT	WALNUT CREEK	CA	90051	San Bernardino
51612112	WACKER, SUSANNE	BOECKLINSTR.57 D-80638	MUENCHEN	GERMANY		San Bernardino
51612114	COLLINS, STANLEY W	P O BOX 41	DAGGETT	CA	92327	San Bernardino
51612116	GREENLEE, TIMOTHY F	34124 M ST	BARSTOW	CA	90051	San Bernardino
51612117	WHITE, VILMA I	P O BOX 1032	CUDAHY	CA	90201	San Bernardino
51612120	BAKER, VICTORIA R	P O BOX 333	DAGGETT	CA	92327	San Bernardino
51612122	VILLANOVA, KATHERINE S	P O BOX 417	YERMO	CA	92398	San Bernardino
51612125	WENZEL, JOSEPH A JR	PO BOX 292	DAGGETT	CA		San Bernardino
51613103	MACIAS, ALFRED	1209 N SECOND ST #108	EL CAJON	CA	90051	San Bernardino
51613106	MACIAS, ALFRED	1209 N SECOND ST #108	EL CAJON	CA	90051	San Bernardino
51613107	ALSPAUGH, JOHN T JR	P O BOX 2	DAGGETT	CA	92327	San Bernardino
51613108	JAMES, CLAIR LAMAR	13040 ASTER RD	VICTORVILLE	CA	92392	San Bernardino
51613110	MACIAS, ALFRED	1209 N SECOND ST #108	EL CAJON	CA	92021	San Bernardino
51613111	JAMES, CLAIR LAMAR	13040 ASTER RD	VICTORVILLE	CA	92392	San Bernardino
51613113	FREEMAN, DAVID R	5326 SIDEHILL DR	SUN VALLEY	NV	89433	San Bernardino
51613115	SCOTT, DANNY D	BOX 504	DAGGETT	CA	92327	San Bernardino
51613116	SCOTT, DANNY D	BOX 504	DAGGETT	CA	92327	San Bernardino
51613119	YERMO INVESTMENT LLC	1416 LACHMAN LN	PACIFIC PALISADES	CA	90051	San Bernardino
51613120	YERMO INVESTMENT LLC	1416 LACHMAN LN	PACIFIC PALISADES	CA	90051	San Bernardino
51613121	WILSON, JOHN	P O BOX 363	DAGGETT	CA	92327	San Bernardino
51614103	CASTRO, ELOY	441 E VICTORIA AVE	SAN JACINTO	CA	90051	San Bernardino
51614105	FUTVOYE, DONA G	PO BOX 19068	NEWBURY PARK	CA	91319	San Bernardino
51614106	SEELEY, JAMES W	5665 MUSKIE RT 1	MORRIS	IL	90051	San Bernardino
51614107	BELANGERI, LOUIS	2477 MORROW RIDGE PL	LAUGHLIN	NV	90051	San Bernardino
51614108	PARKE, SANFORD C	1436 PARK AVE	ANAHEIM	CA	90051	San Bernardino
51614109	KRUSE, SHAUN RENE	1990 MCCULLOCH BLVD UNIT #D BOX #9	LAKE HAVASU	AZ	86403	San Bernardino
51614111	MC CULLOUGH, DAVID F	1422 SCOTT AVE	POMONA	CA	91767	San Bernardino
51614113	FUTVOYE, DONA G	PO BOX 19068	NEWBURY PARK	CA	91319	San Bernardino
51614114	KWAN LIVING TRUST 03/29/12	P.O. BOX 660893	ARCADIA	CA	91066	San Bernardino
51614115	SEELEY, JAMES W	5665 MUSKIE RT 1	MORRIS	IL	90051	San Bernardino
51614116	SEELEY, JAMES W	5665 MUSKIE RT 1	MORRIS	IL	90051	San Bernardino
51614117	SEELEY, JAMES W	5665 MUSKIE RT 1	MORRIS	IL	90051	San Bernardino

51614209	WRIGHT, CLAYTON F TR	101 KINGS PL	NEWPORT BEACH	CA	90051	San Bernardino
51614210	SAN BERNARDINO CO FLOOD CONTROL DIST	825 E THIRD ST	SAN BERNARDINO	CA	90051	San Bernardino
51614226	REYNOLDS, DARLENE	32112 VIA SERON	TEMECULA	CA	90051	San Bernardino
51614227	REYNOLDS, DARLENE	32112 VIA SERON	TEMECULA	CA	90051	San Bernardino
51614229	REYNOLDS, DARLENE	32112 VIA SERON	TEMECULA	CA	90051	San Bernardino
51614231	KBS DAUGHTERS, LP	4231 N ST HWY 161 STE 101	IRVING	TX	75038	San Bernardino
51614232	KBS DAUGHTERS, L P	4231 N ST HWY 161 STE 101	IRVING	TX	75038	San Bernardino
51614233	BOWER 2000 REVOCABLE TRUST	25544 JASPER RD	BARSTOW	CA	90051	San Bernardino
51614234	SAYEGH, MICHAEL O	2129 WENTWORTH WAY	UPLAND	CA	90051	San Bernardino
51614235	SOUTHERN CALIFORNIA EDISON COMPANY	P O BOX 800	ROSEMEAD	CA	91770	San Bernardino
51614236	CALNEV PIPE LINE CO	34277 DAGGETT-YERMO RD	DAGGETT	CA	90051	San Bernardino
51615104	PALISADES LUTHERAN CHURCH	15905 SUNSET BLVD	PACIFIC PALISADES	CA	90051	San Bernardino
51615105	HAWN, LORETTA 1994 TR 4-21-94 - EST	620 ORANGEWOOD AVE	NEWBURY PARK	CA	90051	San Bernardino
51616101	LAWRENCE, DOROTHEA A	6448 S W DAWN ST	LAKE OSWEGO	OR	90051	San Bernardino
51616102	LAWRENCE, DOROTHEA A	6448 S W DAWN ST	LAKE OSWEGO	OR	90051	San Bernardino
51616104	HAWN, LORETTA 1994 TR 4-21-94 - EST	620 ORANGEWOOD AVE	NEWBURY PARK	CA	90051	San Bernardino
51626107	BILMAN, JOZEF	1 ISLAND VIEW	IRVINE	CA	90051	San Bernardino
51626111	ORTON, DAVID M & PATRICIA D FAM TRUS	1 ISLANDVIEW	IRVINE	CA	92604	San Bernardino
51627123	STEARN, FREDERIC E REV TR	P O BOX 356	NEWBERRY SPRINGS	CA	92365	San Bernardino
51627123	STEARN, FREDERIC E REV TR	P O BOX 356	NEWBERRY SPRINGS	CA	92365	San Bernardino
51627125	PADDACK, ROBIN	34115 O ST	BARSTOW	CA	90051	San Bernardino
51627127	HULDERMAN, GARRY N	9338 LOCUST AVE	FONTANA	CA	90051	San Bernardino
51627128	MAO, AUSTIN S	2847 VILLA ALTA PL	HACIENDA HEIGHTS	CA	90051	San Bernardino
51627132	BISIG, JOSEPH W	906 E STATE ST	BOISE	ID	90051	San Bernardino
51627135	PROFESSIONAL EQUITIES INTERNATIONAL	23201 MILL CREEK DR 3RD FLR	LAGUNA HILLS	CA	90051	San Bernardino
51627136	AHMED, SYED ANIS	63 KAZAN ST	IRVINE	CA	90051	San Bernardino
51627144	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51627145	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51627146	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51627147	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51627150	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51627152	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51627157	KERN RIVER GAS TRANSMISSION CO	PO BOX 58900	SALT LAKE CITY	UT	84158	San Bernardino
51627158	KERN RIVER GAS TRANSMISSION CO	PO BOX 58900	SALT LAKE CITY	UT	84158	San Bernardino
51627204	DIOLESTE, OSCAR A	41415 CORTE NELLA VITA	INDIO	CA	90051	San Bernardino
51627208	PEREZ, JUAN	36886 NATIONAL TRAILS HWY	DAGGETT	CA	90051	San Bernardino
51627212	MAGNUM PROPERTY LLC	ONE WORLD TRADE CTR 285 FULTON ST	NEW YORK CITY	NY	10007	San Bernardino
51627216	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51627219	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	90051	San Bernardino
51627221	SDKRUP 1 LLC	1 LIME ORCHARD	LAGUNA NIGUEL	CA	90051	San Bernardino
51627225	KERN RIVER GAS TRANSMISSION CO	PO BOX 58900	SALT LAKE CITY	UT	84158	San Bernardino
51627226	KERN RIVER GAS TRANSMISSION CO	PO BOX 58900	SALT LAKE CITY	UT	84158	San Bernardino
51627227	KERN RIVER GAS TRANSMISSION CO	PO BOX 58900	SALT LAKE CITY	UT	84158	San Bernardino
51627232	SOUTHERN CALIFORNIA EDISON CO	P O BOX 800	ROSEMEAD	CA	91770	San Bernardino
51627233	RRI ENERGY WEST INC	804 CARNEGIE CTR	PRINCETON	NJ	90051	San Bernardino

51627233	RRI ENERGY WEST INC	804 CARNEGIE CTR	PRINCETON	NJ	90051	San Bernardino
51628204	ATCHISON TOPEKA AND SANTA FE RR CO	P O BOX 1738	TOPEKA	KS	90051	San Bernardino
51630102	DAGGETT RANCH LLC	1900 AVENUE OF THE STARS 21ST FLOOI	LOS ANGELES	CA	90067	San Bernardino
51630105	LOS ANGELES AND SALT LAKE RR CO	ADDRESS UNKNOWN				San Bernardino
51630106	COOL WATER ASSOCIATES	22749 HIGHWAY 18 #A-42	APPLE VALLEY	CA	90051	San Bernardino
51630107	DAGGETT COMMUNITY SERVICES DISTRICT	33703 2ND STREET	DAGGETT	CA	90051	San Bernardino
51630108	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	91770	San Bernardino
51630108	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	91770	San Bernardino
51631101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51631103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51632104	SHELLY, ROBERT I IRA 458466	260 MORNINGSIDE DR	SAN FRANCISCO	CA	90051	San Bernardino
51632121	HODGES, CINDY	P O BOX 565	SAN MARCOS	TX	78667	San Bernardino
51632122	RODGERS, RUSSEL	21095 WREN ST	APPLE VALLEY	CA	90051	San Bernardino
51632124	RODGERS, ROBERT	21095 WREN ST	APPLE VALLEY	CA	90051	San Bernardino
51632126	RODGERS, ROXANNE	21095 WREN ST	APPLE VALLEY	CA	90051	San Bernardino
51632133	REDUBLO JOSEFINO & SUSAN LIV TR 5/23	6467 HAZEL CIRC	SIMI VALLEY	CA	90051	San Bernardino
51633102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51633103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51633105	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	90051	San Bernardino
51633106	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	91770	San Bernardino
51633106	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	91770	San Bernardino
51633106	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	91770	San Bernardino
51701114	SWEENEY, MAURAY M	31325 CLAY RIVER RD	BARSTOW	CA	92311	San Bernardino
51701115	ISOBE, JUN	8834 GUESS ST	ROSEMEAD	CA	91770	San Bernardino
51701116	SWEENEY, MAURAY M	31325 CLAY RIVER RD	BARSTOW	CA	92311	San Bernardino
51701127	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51701127	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51701128	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90051	San Bernardino
51701129	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51701130	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90051	San Bernardino
51701131	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90051	San Bernardino
51702105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
51702106	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90051	San Bernardino
53701112	YERMO COMMUNITY SERVICES DIST	ADDRESS UKNOWN		n/a		San Bernardino
53721104	KANE, BERNICE	2660 DELIVERANCE DR	COLORADO SPRINGS	CO	90051	San Bernardino
53721107	KANE, HENRY W	2802 BAHAMA POINT AVE N	LAS VEGAS	NV	90051	San Bernardino
53722101	ROGERS, PAMELA HEIDI	P O BOX 302	YERMO	CA	92398	San Bernardino
53722102	PROFESSIONAL EQUITIES INTERNATIONAL	23201 MILL CREEK DR 3RD FL	LAGUNA HILLS	CA	90051	San Bernardino
53722103	ELZARKA, A & F FAMILY TRUST 03/14/03	2985 HILLSIDE DR	WEST COVINA	CA	90051	San Bernardino
53722105	KING, MARY E	2338 AVENIDA SEVILLA D	LAGUNA HILLS	CA	90051	San Bernardino
53722110	BUGBEE, THOMAS H	1950 OLD CANYON DR	HACIENDA HEIGHTS	CA	90051	San Bernardino
53722111	HENDERSON, PAUL P	P O BOX 1381	APPLE VALLEY	CA	92307	San Bernardino
53722114	KING, MARY E	23381 AVENIDA SEVILL D	LAGUNA HILLS	CA	90051	San Bernardino
53722116	CHAGANI, MUMTAZ M	6654 SAN HAROLD WAY	BUENA PARK	CA	90051	San Bernardino
53722121	DESERT SON OUTDOOR LLC	1712 PIONEER AVE STE 2064	CHEYENNE	WY	90051	San Bernardino

53722128	DESERT SON OUTDOOR LLC	P O BOX 215	YERMO	CA		San Bernardino
53722130	DESERT SON OUTDOOR LLC	1712 PIONEER AVE STE 2064	CHEYENNE	WY	90051	San Bernardino
53722132	BUSH, DUNCAN T	29307 HIGHLAND BLVD	MORENO VALLEY	CA	92555	San Bernardino
53722133	COATS, CHARLES C	P.O. BOX 403	YERMO	CA	92398	San Bernardino
53722134	CACERES, DOMINGO A	1141 COUNTRY CLUB LN	CORONA	CA	90051	San Bernardino
53722136	DESERT SON OUTDOOR LLC	1712 PIONEER AVE STE 2064	CHEYENNE	WY	90051	San Bernardino
53722137	GALLEGOS, PORFIRIO A	11235 E EL REY DR	WHITTIER	CA	90051	San Bernardino
53722139	AKIN, BREANNA N	9533 MICHELLE FALLS AVE	LAS VEGAS	NV	90051	San Bernardino
53722141	H AND P LAND CO INC	4319 MARL WAY	CARMICHAEL	CA	90051	San Bernardino
53722142	LOPEZ, CARLOS	16511 CACTUS ST	HESPERIA	CA	90051	San Bernardino
53801102	DIZON, TESSIE V TR	575 N ALTA VISTA AVE	MONROVIA	CA	90051	San Bernardino
53801103	YERMO COMMUNITY SERVICES DIST	38315 MCCORMICK STREET	YERMO	CA	90051	San Bernardino
53801104	KNOWLES, DELLA THERESA	4943 E 12TH WAY	THORNTON	CO	90051	San Bernardino
53801105	WEBBER, JOHN H	19203 DANDELION CT	RIVERSIDE	CA	90051	San Bernardino
53801106	GUAN, LIN LIN	4243 BANDINI AVE	RIVERSIDE	CA	92506	San Bernardino
53801107	ZHANG, AI WU	4243 BANDINI AVE	RIVERSIDE	CA	92506	San Bernardino
53801109	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
53801112	W-B-W, INC	8140 E ROSECRANS AVE	PARAMOUNT	CA	90051	San Bernardino
53801113	W-B-W, INC	8140 E ROSECRANS AVE	PARAMOUNT	CA	90051	San Bernardino
53801115	W-B-W, INC	8140 E ROSECRANS AVE	PARAMOUNT	CA	90051	San Bernardino
53815202	NAMR YERMO 77 LLC	8527 HEDGES WAY	LOS ANGELES	CA	90051	San Bernardino
53815202	NAMR YERMO 77 LLC	8527 HEDGES WAY	LOS ANGELES	CA	90051	San Bernardino
53817102	HAWKINS, JAMES B	7439 CRANER AVE	SUN VALLEY	CA	90051	San Bernardino
53817108	HAWKINS, JAMES B	7439 CRANER AVE	SUN VALLEY	CA	90051	San Bernardino
53817108	HAWKINS, JAMES B	7439 CRANER AVE	SUN VALLEY	CA	90051	San Bernardino
53818101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
53818120	INTERMOUNTAIN POWER AGENCY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
53818121	LYNCH, DEBORAH	15109 OLD HWY 99	GRANADA	CA	96038	San Bernardino
53819115	GETTY, SARAH C TRUST	PO BOX 1354	CHICAGO	IL	60690	San Bernardino
53819116	GETTY, SARAH C TRUST	PO BOX 1354	CHICAGO	IL	60690	San Bernardino
53819120	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
53819148	YOUNG, RUTH L TR	1248 SOUTH 490	WEST OREM	UT	90051	San Bernardino
53819149	LEONG, DENIS C H AND DIANTHA L	2540 FERDINAND AVE	HONOLULU	HI	90051	San Bernardino
53819152	LEE FAMILY TRUST 12/14/17	2448 GOLF LINKS CIR	SANTA CLARA	CA	90051	San Bernardino
53819153	LOPEZ, RAMIRO	P O BOX 244 41838 CALICO RD	YERMO	CA	92398	San Bernardino
53819155	GREENBURG, LINDA MARIE	2734 HOLLYRIDGE DR	LOS ANGELES	CA	90051	San Bernardino
53819156	MORI, ROY H & HELENE T SURV TR (2-5-	30224 AVENIDA SELECTA	RANCHO PALOS VERDES	CA	90051	San Bernardino
53819159	INTERMOUNTAIN POWER AGENCY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
53819160	CITY OF LOS ANGELES	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
53819161	ARAUJO, NED & RAQUEL FAM TR 1/24/08	1391 CODY CT	UPLAND	CA	91786-2123	San Bernardino
53819162	PRUSS, CHRISTOPHER	1056 CLARK WAY	GILROY	CA	95020	San Bernardino
53820101	TROXEL, JEAN M	13 BALSAM WAY	MARLTON	NJ	08053-4424	San Bernardino
53824113	CARLSON, KURT E	14042 MISSION ST	HESPERIA	CA	92345	San Bernardino
53824156	CALICO LAKES HOMEOWNERS ASSN INC	490 S FAIR OAKS AVE	PASADENA	CA	91105	San Bernardino
53824157	CALICO LAKES HOMEOWNERS ASSN INC	490 S FAIR OAKS AVE	PASADENA	CA	91105	San Bernardino

53825112	HUG, GARY	BOX 68	YERMO	CA	92398	San Bernardino
53825113	C L S PARTNERSHIP	1218 MIRAMAR DR	FULLERTON	CA	90051	San Bernardino
53825114	LIVINGOOD, JAMIE	39553 MOUNTAIN VIEW RD	YERMO	CA	90051	San Bernardino
53825115	TROFA, DONNA	39549 MOUNTAIN VIEW	YERMO	CA	90051	San Bernardino
53825116	CASSELL, RONALD J JR FAMILY TRUST	2269 LADERA VISTA DR	FULLERTON	CA	90051	San Bernardino
53825117	HAMBRICK, PAUL C	2400 CREEKSIDE RUN	CHINO HILLS	CA	90051	San Bernardino
53825118	BURVAL, PAUL LIVING TRUST 11/3/11	1535 SANDIA ST	CORONA	CA	90051	San Bernardino
53825119	SAN BERNARDINO CO FLOOD CONTROL DIST	825 E THIRD ST	SAN BERNARDINO	CA	90051	San Bernardino
53825121	CALICO LAKES HOMEOWNERS ASSN INC	490 S FAIR OAKS AVE	PASADENA	CA	90051	San Bernardino
53901111	ZIMMERMAN, BARRY	30464 BATTLE CREEK BOTTOM RD	MANTON	CA	90051	San Bernardino
53901112	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
53901133	FLEWELLING, MARK T	1362 CALLE GALANTE	SAN DIMAS	CA	91773	San Bernardino
53901134	FLEWELLING, MARK T	1362 CALLE GALANTE	SAN DIMAS	CA	91773	San Bernardino
53902106	GM GABRYCH FAMILY LIMITED PARTNERSHI	2006 OLD HIGHWAY 395	FALLBROOK	CA	92028	San Bernardino
53913104	BRS ENTERPRISE LLC	2140 S DUPONT HWY	CAMDEN	DE	19934	San Bernardino
53913109	LIANG, BILLY S	4192 BISCAYNE ST	CHINO	CA	91710	San Bernardino
53914101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
53914114	CROWLEY, JON & CAROLYN TR	750 WINSTON AVE	SAN MARINO	CA	90051	San Bernardino
53916101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
53916102	JAMES, LISA J	4701 121ST PL #8	LUBBOCK	TX	90051	San Bernardino
53916103	JAMES, LISA J	4701 121ST PL #8	LUBBOCK	TX	90051	San Bernardino
53916110	YOUNG, GARY	46060 N BANK RD	NEWBERRY SPRINGS	CA	90051	San Bernardino
53917101	NEW SPRINGS LIMITED PARTNERSHIP	4192 BISCAYNE ST	CHINO	CA	90051	San Bernardino
53917103	WEST INVESTMENTS LLC	807 SANDWEDGE CT	ANDOVER	KS	90051	San Bernardino
53917104	VALOV, WILLIAM	2339 MONTARA DR	HACIENDA HEIGHTS	CA	90051	San Bernardino
53917105	TONG, NHIEM	PO BOX 2411	LA HABRA	CA	90632	San Bernardino
53917106	SEIZED PROPERTY	P O 400996	HESPERIA	CA	92340	San Bernardino
53917107	NEW SPRINGS LIMITED PARTNERSHIP	4192 BISCAYNE ST	CHINO	CA	91710-3196	San Bernardino
53917111	ENSLEY, MOSE M & GENEVA TRS 11/26/01	4823 6TH AVE	LOS ANGELES	CA	90043	San Bernardino
53917112	KIEL, RICHARD D TR	327 ALDER AVE	CLOVIS	CA	93612	San Bernardino
53919101	NEW SPRINGS LIMITED PARTNERSHIP	4192 BISCAYNE ST	CHINO	CA	91710-3196	San Bernardino
53919122	NEW SPRINGS LIMITED PARTNERSHIP	4192 BISCAYNE ST	CHINO	CA	91710-3196	San Bernardino
53919125	NEW SPRINGS LIMITED PARTNERSHIP	4192 BISCAYNE ST	CHINO	CA	91710-3196	San Bernardino
53920104	NEW SPRINGS LIMITED PARTNERSHIP	4192 BISCAYNE ST	CHINO	CA	91710-3196	San Bernardino
53920105	NEW SPRINGS LIMITED PARTNERSHIP	4192 BISCAYNE ST	CHINO	CA	91710-3196	San Bernardino
53920112	SHORAKA, SHERWIN	3342 BONNIE HILL DR	LOS ANGELES	CA	90068	San Bernardino
53930111	HEANEY, RYAN P	6271 TURNBERRY	HUNTINGTON BEACH	CA	92648	San Bernardino
53930112	JENAI, ANTHONY COLE IRREVOC SPENDTHR	43544 CAROL ANN DR	NEWBERRY SPRINGS	CA	92365	San Bernardino
53930113	FRANKEL SURVIVORS TRUST A 4/8/92	11672 MARIPOSA BAY LN	PORTER RANCH	CA	91326	San Bernardino
53930114	KLINGFUS, CAREY	2170 PAPAYA RD LA	HABRA HEIGHTS	CA	90631	San Bernardino
53930115	LANE, JOHN EDGAR	16805 CALIFORNIA AVE	BELLFLOWER	CA	90706	San Bernardino
53930116	JONES, C & A REVOCABLE TRUST 6/14/17	36900 ROZANNE DR	NEWBERRY SPRINGS	CA	92365	San Bernardino
53930117	WHITEHEAD, CHARLES	42407 CHISOLM TRL	MURRIETA	CA	92562	San Bernardino
54101101	CHOU, W & K FAM TR 11-5-91	3087 EAGLE POINTE DR	FULLERTON	CA	92833	San Bernardino
54102101	JUNG, MAN YOUNG	5310 JESSEN DR	LA CANADA	CA	91011	San Bernardino

54102102	GRAHAM, RUDOLPH	7131 LEIGHTON DR	CORONA	CA	92880	San Bernardino
54102103	MARCHAND, JONETTE	7279 CANOPY LN	CORONA	CA	92880	San Bernardino
54102104	HONG, STEVEN KI	8801 MOODY ST	CYPRESS	CA	90630	San Bernardino
54102105	FRIESEN, WILLIAM	5412 W MANOR CREST	SPOKANE	WA	99205	San Bernardino
54102106	LIN, DAVID P	1640 BEDFORD RD	SAN MARINO	CA	91108	San Bernardino
54102107	M K CO INC	2865 NORTHAVEN	ALTADENA	CA	91001	San Bernardino
54107101	MIX, ALEXANDER & KATHRYN J TR 12/17	15358 AVENIDA RORRAS	SAN DIEGO	CA	92128	San Bernardino
54107102	MIX, ALEXANDER & KATHRYN J TR 12-17-	15358 AVENIDA RORRAS	SAN DIEGO	CA	92128	San Bernardino
54107103	MIX, ALEXANDER & KATHRYN J TR 12-17-	15358 AVENIDA RORRAS	SAN DIEGO	CA	92128	San Bernardino
54107106	WOODS, SANDRA	29434 18TH AVE SOUTH	FEDERAL WAY	WA	98003	San Bernardino
54107107	GUGLIELMANA, GARY M	277 HAYDEN HEIGHTS RD	MOUNTAIN VIEW	AR	90051	San Bernardino
54108107	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54108110	HEXAD PARTNERSHIP	510 W CITRUS EDGE	GLENDORA	CA	90051	San Bernardino
54108114	REQUEJO, KARL S	1305 CORDARY ST	TORRANCE	CA	90051	San Bernardino
54108115	LOPEZ, FERNANDO S	3613 CAPETOWN ST	LAKEWOOD	CA	90051	San Bernardino
54108119	ALVARADO FAMILY TRUST 4/8/15	12372 BALI ST	VICTORVILLE	CA	90051	San Bernardino
54109109	LEVINE, SAUL	249 MANTUA RD	PACIFIC PALISADES	CA	90051	San Bernardino
54117111	RASSP, HERMAN & BEVERLY A TRS	P O BOX 6548	BURBANK	CA	91510	San Bernardino
54117112	RASSP, HERMAN & BEVERLY A TRS	P O BOX 6548	BURBANK	CA	91510	San Bernardino
54118103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54118104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54120101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54120101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54120105	UNION PACIFIC RAILWAY CO	ADDRESS UNKNOWN				San Bernardino
54120201	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54121103	NITHAWORN, PRASIT	7960 RANCHITO AVE	PANORAMA CITY	CA	90051	San Bernardino
54121104	D'AGUIAR, RAYMOND A	9304 REVERIE RD	TUJUNGA	CA	90051	San Bernardino
54121127	LOO, FREDERICK	30072 WHITECAP	LAGUNA NIGUEL	CA	90051	San Bernardino
54121129	STEPHENSON, MICHAEL D	13785 BLUEGRASS PL	VICTORVILLE	CA	90051	San Bernardino
54121131	COTA, JENNIE C	14103 RAMONA DR	WHITTIER	CA	90051	San Bernardino
54121133	SINGH, RAHUL S	13919 MONTEVERDE DR	CHINO HILLS	CA	90051	San Bernardino
54121135	SINGH, RAHUL S	13919 MONTEVERDE DR	CHINO HILLS	CA	91709	San Bernardino
54121137	HURD, GALE A TR	3201 CAHUENGA BLVD WEST	LOS ANGELES	CA	90068	San Bernardino
54121142	TRINE, DARCI R	6706 GLASGOW ST	SUFFOLK	VA	23435-3077	San Bernardino
54121153	CHEN, HAOHUI F	9580 W RENO AVE #151	LAS VEGAS	NV	89148	San Bernardino
54121154	HECHINGER, F	P.O. BOX 66373	LOS ANGELES	CA	90066	San Bernardino
54122101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54122105	SABBAH, AMER ZAID	30707 E SUNSET DR	SOUTH REDLANDS	CA	90051	San Bernardino
54122106	BUSTER FAMILY TRUST 2/18/98	1399 W COLTON AVE STE 5	REDLANDS	CA	90051	San Bernardino
54123105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54211103	LEVAND STEEL & SUPPLY CORPORATION	P O BOX 1323	APPLE VALLEY	CA	92307	San Bernardino
54211110	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54211118	HECKER FAM TR 2/9/07	8611 HATILLO AVE	CANOGA PARK	CA	90051	San Bernardino
54211119	LIAO, PATRICIA P LIVING TRUST 3/21/1	73 PEPPERMINT	IRVINE	CA	90051	San Bernardino
54211122	LIAO, PATRICIA P LIVING TRUST 3/21/1	73 PEPPERMINT	IRVINE	CA	90051	San Bernardino

54211124	STECKLEIN, MYRON D	VIPSAL #4736 7801 NW 37TH ST	MIAMI	FL	33166	San Bernardino
54211125	STATE OF CALIFORNIA	PO BOX 231	SAN BERNARDINO	CA	92403	San Bernardino
54211126	QUAN, TRACY LIV TR	805 KEENAN ST	MONTEBELLO	CA	90051	San Bernardino
54211128	COOLEY, SCOTT M SEPARATE PROP TR 2/9	15900 KENNEDY RD	LOS GATOS	CA	90051	San Bernardino
54211133	AQUINO, MICHAEL A	9801 AMESTOY AVE	NORTHRIDGE	CA	90051	San Bernardino
54211144	MONTALBO, LOUIS & FUMIKO LIVING TRUS	6625 OAKBROOK DR	FAIR OAKS	CA	90051	San Bernardino
54211149	TWAITE, JAMES A	24770 WENDELL DR	HEMET	CA	90051	San Bernardino
54213106	VON PREISLER, ERIC 2011 TR 12/12/11	50 RUBY AVE UNIT 122	EUGENE	OR	90051	San Bernardino
54213109	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54213125	DIMITRIJEVICH, OLGA	5046 CROSSWOOD DR	ST LOUIS	MO	90051	San Bernardino
54213129	MAYMON, SHLOMO	5830 RESEDA BLVD #226	TARZANA	CA	90051	San Bernardino
54213146	JUNG, GLENN M	2349 PINE ST	ROSEMEAD	CA	90051	San Bernardino
54213148	BIRNBERG, MIRIAM TRUST 2010	13133 CREWE ST	NO HOLLYWOOD	CA	91605	San Bernardino
54213152	UNITED STATES OF AMERICA	2800 COTTAGE WAY ROOM E-2609	SACRAMENTO	CA	95825	San Bernardino
54213153	MCROBERTS, JESSE R TR	1774 SAGEBRUSH DR	SHERIDAN	WY	90051	San Bernardino
54213154	MCROBERTS, JESSE R TR	1774 SAGEBRUSH DR	SHERIDAN	WY	90051	San Bernardino
54213154	MCROBERTS, JESSE R TR	1774 SAGEBRUSH DR	SHERIDAN	WY	90051	San Bernardino
54213155	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54213156	MARTINEZ, FRANK J	PO BOX 1167	SAN FERNANDO	CA	91341	San Bernardino
54213157	MARTINEZ, FRANK J	PO BOX 1167	SAN FERNANDO	CA	91341	San Bernardino
54213158	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54213160	SAREEN, RAHUL S	13919 MONTEVERDE DR	CHINO HILLS	CA	90051	San Bernardino
54213161	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54213163	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54213164	LIN, ERIC	980 N ORANGEWOOD AVE	CLOVIS	CA	93611	San Bernardino
54213165	SOUTHERN CALIFORNIA PUBLIC POWER	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54213167	GILLENWATER, BENJAMIN AARON	PO BOX 4120 PMB 57258	PORTLAND	OR	97208	San Bernardino
54213168	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54213170	SO CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54213172	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54213174	SOUTHERN CAL PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54213175	MATICH, NADA	5855 N SHERIDAN RD #19J	CHICAGO	IL	90051	San Bernardino
54213176	SO CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54213178	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54213179	HILLCREST PROJECTS LLC SERIES IV	3A 4015 1ST SE	CALGARY AB	CANADA	90051	San Bernardino
54213180	SOUTHERN CALIFORNIA PUBLIC POW AUTH	P O BOX 111 ROOM 1203	LOS ANGELES	CA	90054	San Bernardino
54213181	GM GABRYCH FAMILY LIMITED PARTNERSHI	2006 OLD HIGHWAY 395	FALLBROOK	CA	92028	San Bernardino
54213182	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54213184	HOWE, CHARLINE L	2209 W 25TH ST UNIT 21	SAN PEDRO	CA	90732	San Bernardino
54213185	SOUTHERN CALIFORNIA PUBLIC POWER AUT	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54214114	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	91770	San Bernardino
54214118	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54214119	ADVANCED BIO-MINERAL TECHNOLOGIES LL	2470 ST ROSE PKWY	HENDERSON	NV	89074	San Bernardino
54214120	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54214122	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino

54214123	DESERT POWER COMPANY	9255 SUNSET BLVD #800	LOS ANGELES	CA	90069	San Bernardino
54218103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54218105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54218106	UNITED STATES OF AMERICA	150 COOLWATER LN	BARSTOW	CA	92311	San Bernardino
54218110	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54218112	SOUTHERN CALIFORNIA PUBLIC POW AUTH	P O BOX 111 ROOM 1203	LOS ANGELES	CA	90054	San Bernardino
54218113	GM GABRYCH FAMILY LIMITED PARTNERSHI	2006 OLD HWY 395	FALLBROOK	CA	92028	San Bernardino
54316112	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54316123	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54316126	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
54316131	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54316133	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54316137	SOUTHERN CALIFORNIA PUBLIC POW AUTH	P O BOX 111 RM 1203	LOS ANGELES	CA	90054	San Bernardino
54316138	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
54316138	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
54316141	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
54316142	SOUTHERN CALIFORNIA PUBLIC POW AUTH	P O BOX 111 ROOM 1203	LOS ANGELES	CA	90054	San Bernardino
54316143	UNITED STATES OF AMERICA	911 WILSHIRE BLVD	LOS ANGELES	CA	90017	San Bernardino
54316144	DESERT ENVIRONMENTAL RESOURCES INC	P O BOX 808	SANTA PAULA	CA	93061	San Bernardino
54316144	DESERT ENVIRONMENTAL RESOURCES INC	P O BOX 808	SANTA PAULA	CA	93061	San Bernardino
54316145	CITY OF LOS ANGELES	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54316146	DESERT ENVIRONMENTAL RESOURCES INC	P O BOX 808	SANTA PAULA	CA	93061	San Bernardino
54316146	DESERT ENVIRONMENTAL RESOURCES INC	P O BOX 808	SANTA PAULA	CA	93061	San Bernardino
54317103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54317151	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54317152	MC INTIRE, HARLAN D	716 SECOND AVE	BARSTOW	CA	92311	San Bernardino
54317152	MC INTIRE, HARLAN D	716 SECOND AVE	BARSTOW	CA	92311	San Bernardino
54317153	SO CALIFORNIA PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54317154	DESERT ENVIRONMENTAL RESOURCES INC	P O BOX 808	SANTA PAULA	CA	93061	San Bernardino
54318102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54318125	SOUTHERN CA PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54318127	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54318128	LYONS, RICHARD E	PO BOX 64	FOX ISLAND	WA	98333	San Bernardino
54318128	LYONS, RICHARD E	PO BOX 64	FOX ISLAND	WA	98333	San Bernardino
54319101	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54319102	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54319103	CITY OF LOS ANGELES	P O BOX 5111 ROOM 1031	LOS ANGELES	CA	90051	San Bernardino
54319106	SOUTHERN CAL PUBLIC POWER AUTHORITY	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54319107	WU, SU-MIN TR	308 WOODWARD AVE #B	ALHAMBRA	CA	91801	San Bernardino
54320105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54320111	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54320112	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54320121	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54320148	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54320153	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino

54320154	JEWISH NATIONAL FUND INC	42 E 69TH ST	NEW YORK	NY	10021	San Bernardino
54320155	JEWISH NATIONAL FUND INC	42 E 69TH ST	NEW YORK	NY	10021	San Bernardino
54320156	JEWISH NATIONAL FUND INC	42 E 69TH ST	NEW YORK	NY	10021	San Bernardino
54320157	JEWISH NATIONAL FUND INC	42 E 69TH ST	NEW YORK	NY	10021	San Bernardino
54321106	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54321107	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54321117	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54321118	UNITED STATES OF AMERICA	ADDRESS UNKNOWN				San Bernardino
54323103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54323104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54323112	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54323113	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54323114	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54323116	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54323117	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54324101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54324105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54330102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54330103	TSG INVESTMENTS LLC	10145 NW LEE ST	PORTLAND	OR	97229	San Bernardino
54330105	SOUTHERN CALIFORNIA PUBLIC POW AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54330106	BEACON STATION INC	8510 DURANGO	LAS VEGAS	NV	89113	San Bernardino
54424119	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54425112	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54426101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54426102	(CRT ORD) JACOBSON, CAROLYN ESTATE	555 N D ST STE 110	SAN BERNARDINO	CA	92401	San Bernardino
54426110	(CRT ORD) JACOBSON, CAROLYN ESTATE	555 N D ST STE 110	SAN BERNARDINO	CA	92401	San Bernardino
54427101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54427102	(CRT ORD) JACOBSON, CAROLYN ESTATE	555 N D ST STE 110	SAN BERNARDINO	CA	92401	San Bernardino
54427104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54428101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54428104	AUJLA, GURVINDER S	1600 E FOOTHILL BLVD	IRWINDALE	CA	91702	San Bernardino
54428119	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54428139	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54428140	MC KEN, PATRICIA V	1428 SWANBROOKE DR	LAS VEGAS	NV	89144	San Bernardino
54428141	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54428142	LA FON, LEVA TR	P O BOX 406	EARP	CA	92242	San Bernardino
54428143	CITY OF LOS ANGELES	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54428144	MCKEN, PATRICIA V	1428 SWANBROOKE DR	LAS VEGAS	NV	89144	San Bernardino
54428145	MCKEN, PATRICIA V	1428 SWANBROOKE DR	LAS VEGAS	NV	89144	San Bernardino
54429101	BAKER VALLEY UNIFIED SCHOOL DISTRICT	72100 SCHOOLHOUSE LANE	BAKER	CA	92309	San Bernardino
54434201	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54434202	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54435102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54435106	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54435108	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	91770	San Bernardino

54435121	CITY OF LOS ANGELES	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54435123	SOUTHEN CALIFORNIA PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54435124	WAAS, AMBER L	732 N LAKE AVE # 202	PASADENA	CA	91104	San Bernardino
54435127	BEWSHER, DIANE M	2708 WOODED ACRES DR	WACO	TX	76710	San Bernardino
54435127	BEWSHER, DIANE M	2708 WOODED ACRES DR	WACO	TX	76710	San Bernardino
54435130	SOUTHERN CALIFORNIA PUBLIC PWR AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54435131	GOHN, LINDA J	4882 PARK AVE	CYPRESS	CA	90630	San Bernardino
54435131	GOHN, LINDA J	4882 PARK AVE	CYPRESS	CA	90630	San Bernardino
54435132	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
54435133	WAAS, NATHAN C	732 N LAKE AVE #202	PASADENA	CA	91104	San Bernardino
54435133	WAAS, NATHAN C	732 N LAKE AVE #202	PASADENA	CA	91104	San Bernardino
54435134	STEIN, JESSICA R	732 N LAKE AVE #202	PASADENA	CA	91104	San Bernardino
54435134	STEIN, JESSICA R	732 N LAKE AVE #202	PASADENA	CA	91104	San Bernardino
54435135	BEWSHER, BETHANY M	2708 WOODED ACRES DR	WACO	TX	76710	San Bernardino
54435135	BEWSHER, BETHANY M	2708 WOODED ACRES DR	WACO	TX	76710	San Bernardino
54435136	WAAS, CURTIS R SEP PROP LIV TR 3-5-9	732 N LAKE AVE #202	PASADENA	CA	91104	San Bernardino
54437105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54437106	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54437108	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54437109	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54437110	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
54438119	SO CALIF PUBLIC POWER AUTHORITY	P O BOX 111 RM 1203	LOS ANGELES	CA	90054	San Bernardino
54438121	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111 ROOM 1208	LOS ANGELES	CA	90051	San Bernardino
54438122	STATE OF CALIFORNIA SCHOOL LANDS	100 HOWE AVENUE, SUITE 100 SOUTH	SACRAMENTO	CA	95825	San Bernardino
54438122	STATE OF CALIFORNIA SCHOOL LANDS	100 HOWE AVENUE, SUITE 100 SOUTH	SACRAMENTO	CA	95825	San Bernardino
57003101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57003102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57004103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57004104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57004105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57004111	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57004112	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57005116	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57005116	WETZEL, ROBERT G	2850 MESA ALTA LN	ARROYO GRANDE	CA	93420	San Bernardino
57005118	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57005119	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57006104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57006105	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57006106	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57006108	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57006109	LINK, EDWARD M	16835 ALGONQUIN ST #262	HUNTINGTON BEACH	CA	92649	San Bernardino
57006111	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57006112	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57006113	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57006114	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino

57006115	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57006123	BOBER FAMILY TRUST 12/20/93	4021 MULBERRY LN	SACRAMENTO	CA	95822	San Bernardino
57006124	BOBER FAMILY TRUST 12/20/93	4021 MULBERRY LN	SACRAMENTO	CA	95822	San Bernardino
57006125	UNITED STATES OF AMERICA	111 JACKSON ST STE 700	OAKLAND	CA	94607	San Bernardino
57006126	LINK, EDWARD M	16835 ALGONQUIN ST #262	HUNTINGTON BEACH	CA	92649	San Bernardino
57006130	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57014101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57028101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57028103	MURRAY, TERESA	PO BOX 938	BARSTOW	CA	92312	San Bernardino
57122104	SO CALIF PUBLIC POWER AUTHORITY	P O BOX 111 RM 1203	LOS ANGELES	CA	90054	San Bernardino
57122106	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111 ROOM 1208	LOS ANGELES	CA	90051	San Bernardino
57122107	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90013	San Bernardino
57202102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57202103	STANDARD MAGNESIA CO, THE	PO BOX 303	BISHOP	CA	93515	San Bernardino
57202104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57202107	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57202108	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57203102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57203117	SOUTHERN CALIF PUBLIC POWER AUTH	P O BOX 51111	LOS ANGELES	CA	90051	San Bernardino
57203118	STANDARD MAGNESIA CO, THE	PO BOX 303	BISHOP	CA	93515	San Bernardino
57203119	STANDARD MAGNESIA CO, THE	PO BOX 303	BISHOP	CA	93515	San Bernardino
57204119	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57204120	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57204121	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57204123	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57205102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57205103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57206107	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57206108	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57206113	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57210101	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57210102	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57210103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57210104	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57210109	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino
57210110	SOUTHERN CALIFORNIA EDISON COMPANY	2131 WALNUT GROVE AVE 2ND FL	ROSEMEAD	CA	91770	San Bernardino
57210117	MOLYCORP MINERALS LLC	PO BOX 224	MOUNTAIN PASS	CA	92366	San Bernardino
57210117	MP MINE OPERATIONS LLC	67750 BAILEY RD	MOUNTAIN PASS	CA	92366	San Bernardino
57210120	MOLYCORP MINERALS LLC	PO BOX 224	MOUNTAIN PASS	CA	92366	San Bernardino
57210120	MOLYCORP MINERALS LLC	PO BOX 224	MOUNTAIN PASS	CA	92366	San Bernardino
57210120	MP MINE OPERATIONS LLC	67750 BAILEY RD	MOUNTAIN PASS	CA	92366	San Bernardino
57211119	SO CALIF PUBLIC POWER AUTHORITY	P O BOX 111 RM 1203	LOS ANGELES	CA	90054	San Bernardino
57211121	SOUTHERN CALIFORNIA PUBLIC POWER AUT	P O BOX 51111 ROOM 1208	LOS ANGELES	CA	90051	San Bernardino
57211122	STATE OF CALIFORNIA	300 SOUTH SPRING STREET SUITE 500	LOS ANGELES	CA	90013	San Bernardino
57310103	GOVERNMENT LAND	ADDRESS UNKNOWN				San Bernardino

57310104	GOVERNMENT LAND	ADDRESS UNKNOWN	San Bernardino
57310111	GOVERNMENT LAND	ADDRESS UNKNOWN	San Bernardino
57310112	GOVERNMENT LAND	ADDRESS UNKNOWN	San Bernardino
57310114	GOVERNMENT LAND	ADDRESS UNKNOWN	San Bernardino
57310115	GOVERNMENT LAND	ADDRESS UNKNOWN	San Bernardino
57316116	GOVERNMENT LAND	ADDRESS UNKNOWN	San Bernardino

Ivanpah-Control Project
Agency and Interested Party Mailing List for Notice of Application

City of Barstow		
Julie Hackbarth-McIntyre, Mayor City of Barstow 220 E. Mountain View St., Suite A Bartow, California 92311	Nikki M. Salas, City Manager City of Barstow 220 E. Mountain View St., Suite A Bartow, California 92311	Mike Massimini, City Planner City of Barstow 220 E. Mountain View St., Suite A Bartow, California 92311
Andrew Ziemer, Chair Planning Commission City of Barstow 220 E. Mountain View St., Suite A Bartow, California 92311		
City of Bishop		
Jim Ellis, Mayor City of Bishop P.O. Box 1236 Bishop, California 93515	David Kelly, City Administrator City of Bishop P.O. Box 1236 Bishop, California 93515	Elaine Kabala, Associate Planner Department of Public Works City of Bishop P.O. Box 1236 Bishop, California 93515
Hank Truxillo, Chairman Planning Commission City of Bishop P.O. Box 1236 Bishop, California 93515		
City of Ridgecrest		
Peggy Breeden, Mayor City of Ridgecrest 100 W California Ave Ridgecrest, California 93555	Ron Strand, City Manager City of Ridgecrest 100 W California Ave Ridgecrest, California 93555	Heather Spurlock, Analyst Planning Department City of Ridgecrest 100 W California Ave Ridgecrest, California 93555
Warren Cox, Chairman Planning Commission City of Ridgecrest 100 W California Ave Ridgecrest, California 93555		
San Bernardino County		
Curt Hagman, Chair Board of Supervisors San Bernardino County 385 N. Arrowhead Avenue, 5th Floor San Bernardino, California 92415	Robert Lovingood First District Supervisor San Bernardino County 385 N. Arrowhead Avenue, 5th Floor San Bernardino, California 92415	Dawn Rowe Third District Supervisor San Bernardino County 385 N. Arrowhead Avenue, 5th Floor San Bernardino, California 92415
Kevin Blakeslee, Director Public Works Department San Bernardino County 385 N. Arrowhead Avenue San Bernardino, California 92415	Terri Rahhal, Director Land Use Services Department San Bernardino County 385 N. Arrowhead Avenue, 1st Floor San Bernardino, California 92415	Luther Snoke, Interim Director Special Districts Department San Bernardino County 157 W. Fifth Street, 2nd Floor San Bernardino, California 92415
Gary McBride Chief Executive Officer San Bernardino County 385 N. Arrowhead Avenue San Bernardino, California 92415	Jonathan Weldy, Chair Planning Commission San Bernardino County 385 N. Arrowhead Avenue, 1st Floor San Bernardino, California 92415	

Inyo County		
Matt Kingsley Fifth District Supervisor Inyo County 210 Lasky Lane P. O. Box 110 Lone Pine, California 93545	Mark Tillemans Fourth District Supervisor Inyo County 215 N. School Street P.O. Box 612 Big Pine, California 93513	Cathreen Richards Planning Director Inyo County Planning Department P.O. Drawer L 168 N. Edwards Street Independence, California 93526
Clint G. Quilter County Administrative Officer Inyo County P.O. Drawer N Independence, California 93526	Frank Stewart, Chair Planning Commission Inyo County P.O. Drawer L Independence, California 93526	
Kern County		
David Couch, Chair Board of Supervisors Kern County Administrative Office 1115 Truxtun Ave, Room 504 Bakersfield, California 93301	Mike Gleason First District Supervisor Kern County Administrative Office 1115 Truxtun Avenue, 5th Floor Bakersfield, California 93301	Lorelei H. Oviatt, Director Planning & Natural Resources Dept. Kern County Public Services Building 2700 "M" Street., Suite 100 Bakersfield, California 93301-2370
Ryan J. Alsop County Administrative Officer Kern County Administrative Office 1115 Truxtun Avenue, 5th Floor Bakersfield, California 93301	Joe Ashley, Chair Planning Commission Kern County Public Services Building 2700 "M" Street., Suite 100 Bakersfield, California 93301-2370	
Tribes		
Monty Bengochia, THPO Bishop Paiute Tribe 50 Tu Su Lane Bishop, California 93514	Steven Orihuela Bishop Paiute Tribe 50 Tu Su Lane Bishop, California 93514	Eddie Jim, Representative Pahrump Paiute Tribe P.O. Box 3411 Pahrump, Nevada 89041
Charles Wood, Chairperson Chemehuevi Tribe P.O. Box 1976 Havasu Lake, California 92363	Bryan Etsitty, Acting Director Colorado River Indian Tribes 26600 Mohave Road Parker, Arizona 85344	Rebecca Loudbear, Attorney General Colorado River Indian Tribes 26600 Mohave Road Parker, Arizona 85344
Rena Van Fleet, THPO Admin. Asst. Colorado River Indian Tribes 26600 Mohave Road Parker, Arizona 85344	Barbara Durham, THPO Death Valley Timbi-sha Shoshone Tribe P.O. Box 1779 Bishop, California 93515	White Dove Kennedy, Chairman Death Valley Timbi-sha Shoshone Tribe P.O. Box 1779 Bishop, California 93515
Sookaaki Charley, Tribal Administrator Death Valley Timbi-sha Shoshone Tribe P.O. Box 1779 Bishop, California 93515	Sean Scruggs, THPO Fort Independence Band of Paiute Indians P.O. Box 67 Independence, California 93526	Norman Wilder, Chairman Fort Independence Band of Paiute Indians P.O. Box 67 Independence, California 93526
Timothy Williams, Chairperson Fort Mojave Indian Tribe 500 Merriman Ave Needles, California, 92363	Linda Otero Fort Mojave Indian Tribe 500 Merriman Ave Needles, California, 92363	Andrew Salas, Chairperson Gabrieleno Band of Mission Indians – Kizh Nation P.O. Box 393 Covina, California 91723
Brandy Salas, Admin Specialist Gabrieleno Band of Mission Indians – Kizh Nation P.O. Box 393 Covina, California 91723	Travis Armstrong, THPO Morongo Band of Mission Indians 12700 Pumarra Road Banning, California, 92220	Denisa Torres, Cultural Resources Manager Morongo Band of Mission Indians 12700 Pumarra Road Banning, California, 92220

Robert Martin, Chairperson Morongo Band of Mission Indians 12700 Pumarra Road Banning, California, 92220	Jessica Mauck, Director of Cultural Resources San Manuel Band of Mission Indians 26569 Community Center Drive Highland, California 92346	Lee Clauss San Manuel Band of Mission Indians 26569 Community Center Drive Highland, California 92346
Lynn Valbuena, Chairperson San Manuel Band of Mission Indians 26569 Community Center Drive Highland, California 92346	Octavio Escobedo, Chairperson Tejon Indian Tribe 1731 Hasti Acres Drive, Suite 108 Bakersfield, California 93309	Colin Rambo, Cultural Resource Management Technician Tejon Indian Tribe 1731 Hasti Acres Drive, Suite 108 Bakersfield, California 93309
Sarah Bliss, Cultural Resources Manager Twenty-Nine Palms Band of Mission Indians 46200 Harrison Place Coachella, California 92236	Darrell Mile, Chairman Twenty-Nine Palms Band of Mission Indians 46200 Harrison Place Coachella, California 92236	Anthony Madrigal, Director of Tribal Development Twenty-Nine Palms Band of Mission Indians 46200 Harrison Place Coachella, California 92236
Interested Parties		
Paula Deel, Event Coordinator Newberry Springs Chamber of Commerce PO Box 116 Newberry Springs, California 92365		
State and Federal Agencies		
Brad Poiriez, Executive Director Mojave Desert Air Quality Management District 14306 Park Ave Victorville, California 92392	John Bulinski, District Director California Department of Transportation - District 8 464 W. 4th Street San Bernardino, California 92401	Regional Director-Region 8 Federal Bldg. - Dept. Fish & Wildlife 2800 Cottage Way, Room W-2606 Sacramento, California 95825-1846
Joan Patrovsky, Project Manager Bureau of Land Management California Desert District Office Barstow Field Office 2601 Barstow Road. Barstow, California 92311	Brandon G Anderson, Assistant District Manager, Project Support Bureau of Land Management California Desert District, Department of the Interior Regions 8 & 10 22835 Calle San Juan De Los Lagos Moreno Valley, California 92553	Antal Szijj, Section Chief U.S. Army Corps of Engineers Regulatory Division 2151 Alessandro Dr. Ste. 110 Ventura, California 93001
Jennifer Lucchesi, Executive Director California State Lands Commission 100 Howe Avenue, Suite 100 South Sacramento, California 95825	Dana Cole, P.G., Eng. Geologist 401 Certification Unit CalEPA - Water Board, LA Region 320 W. 4th St., 2nd Floor Los Angeles, California 90013-2343	Richard Corey, Executive Officer California Air Resources Board P.O. Box 2815 Sacramento, California 95812
Edward Randolph, Energy Div. Dir California Public Utilities Commission 505 Van Ness Avenue San Francisco, California 94102	Allison Brown, CPUC Public Advisor California Public Utilities Comm. 505 Van Ness Avenue San Francisco, California 94102	Drew Bohan, Executive Director California Energy Commission 1516 Ninth Street Sacramento, California 95814
Malcolm Dougherty, Director Department of Transportation P.O. Box 942873 Sacramento, California 94273-0001	Gary Cathey, Director Dept of Transportation Div. of Aeronautics MS 40 P.O. Box 942874 Sacramento, California 94274-0001	John Laird, Secretary California Resources Agency 1416 Ninth St. - Suite 1311 Sacramento, California 95814

Charlton H. Bonham, Director California Dept. of Fish and Wildlife 1416 9th Street, 12th Floor Sacramento, California 95814	Jennifer Kent, Director Department of Health Services P.O. Box 997413, MS 0000 Sacramento, California 95899-7413	Eileen Sobeck, Executive Director State Water Resources Control Brd. P.O. Box 100 Sacramento, California 95812-0100
Julianne Polanco, SHPO Calif. Office of Historic Preservation 1725 23rd Street, Suite 100 Sacramento, California 95816-7100	Victor Globa, Environmental Splst FAA-West-Pac Region Airports Div. 15000 Aviation Blvd. - Rm 3024 Lawndale, California 90261	Patty Kouyoumdjian, Exec. Officer Water Regional Board 6 15095 Amargosa Rd. Bldg. 2-Suite 210 Victorville, California 92394
Federal Aviation Administration FAA Western-Pacific Region 777 S. Aviation Blvd., Suite 150 El Segundo, California 90245	Gayle Rosander District Director Caltrans District 9 500 South Main Street Bishop, California 93514	Eastern Kern Air Pollution Control District 2700 M Street Suite 203 Bakersfield, California 93301
Great Basin Unified Air Pollution Control District 157 Short St. Bishop, California 93514	Lahotan Regional Water Quality Control Board Victorville Branch Office 15095 Amargosa Rd, Bldg. 2, Ste 210 Victorville, California 92394	CDFW Region 6 Inland Deserts Region 3602 Inland Empire Blvd Suite C-220 Ontario, California 91764
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Appendix F

April 2020 Field Management Plan

ARCADIS Design & Consultancy for natural and built assets

Mesa Associates, Inc.
Engineers and Consultants

Southern California Edison

EMF FIELD MANAGEMENT PLAN FOR THE SCE TLRR IVANPAH-CONTROL PROJECT

Appendix F - 4/13/2020
Issue 12 – 3/20/2020

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VERSION CONTROL

Issue	Date Issued	Page No.	Description	Reviewed by
1	3/8/2019	All pages.	Initial release. Combined all IC segments into one report.	B. Wanex
2	3/21/2019	All graphs.	Updates per SCE requests. Changed from 4-hour emergency line rating amperages to 10-year projected line amperages.	B. Wanex
3	4/3/2019	15, 20, 40, 107, all graphs.	Changed color and line types on graphs, removed blank pages.	B. Wanex
4	4/11/2019	2, 3, 8	Fixed typos.	B. Wanex
5	4/29/2019	9, 10	Table 2 header edit. Structure number typos.	B. Wanex
6	7/10/2019	All pages.	Modified terminology to reflect that utilized in PEA document and PTC Application.	C. Mulligan
7	9/20/2019	All structure sketches	Added vertical and horizontal dimensions per CPUC request.	B. Wanex
8	12/9/2019	Pages related to Segments 3N, 3S, and 4.	Updated to incorporate PEA and PLS-CADD changes to segments 3N, 3S, and 4.	B. Wanex
9	3/11/2020	All EMF figures and tables.	Changed amperage values to 2008 CAISO values as furnished and requested by SCE.	B. Wanex
10	3/12/2020	Figs. 3, 5, 7, 9, and 11. Pg. 15 added paragraph.	Added notes regarding transposition. Added residential paragraph. Used 2008 CAISO and Derated amperages for calculations.	B. Wanex
11	3/19/2020	Pages 8, 13, 14, 15, 16, 42-112	Minor clarifications and additional notes to figures.	B. Wanex
12	3/20/2020	104	Changed arrow direction.	B. Wanex

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ACRONYMS AND ABBREVIATIONS

A, Amps	Amperes, a unit of measure for electrical current
AC	Alternating current
AAC	All aluminum conductor, a type of overhead power line conductor
ACCC	Aluminum conductor composite core, a type of "high-temperature low-sag" overhead power line conductor
ACSR	Aluminum conductor steel reinforced, a type of overhead power line conductor
CAISO	California Independent System Operator
CDHS	California Department of Health Services
CPCN	Certificate of Public Convenience and Necessity
CPUC	California Public Utilities Commission
DI	Ductile Iron, a type of transmission structure
ELF	Extremely low frequency
EMF	Electric and magnetic fields
EPRI	Electric Power Research Institute
FMP	Field Management Plan
Ft	Feet, a unit of measure for distance
GO	General Order
HTLS	High-temperature low-sag, a type of overhead conductor
Hz	Hertz, a unit of measure for electrical frequency
IARC	International Agency for Research on Cancer
IEEE	Institute of Electrical and Electronics Engineers
IEC	International Electrotechnical Commission
IC	Ivanpah – Control transmission line
kcmil	Kilo (thousand) circular mils, a unit of conductor size and measurement
kV	Kilovolt, a unit of measure for electrical potential
LWS	Light weight steel, a type of transmission structure
mG	milliGauss, a unit of measure for magnetic fields
NIEHS	National Institute of Environmental Health Sciences (USA)
NRBB	National Radiological Protection Board (UK)
°	Degrees, a unit of measure for electric phasors
OHGW	Overhead ground wire
OPGW	Optical ground wire
PEA	Proponent's Environmental Assessment

PTC	Permit to Construct
PLS-CADD	A software program for transmission line design
ROW	Right of way
SCE	Southern California Edison
Str	Structure
TLRR	Transmission Line Rating and Remediation
T/L	Transmission Line
TSP	Tubular steel pole, a type of transmission structure
µT	Microtesla, a unit of measure for magnetic fields
WHO	World Health Organization

EXECUTIVE SUMMARY

The Field Management Plan (FMP) presented in this report describes the magnetic field reduction design options incorporated into the design of the Southern California Edison Company's (SCE) Ivanpah – Control (IC) Project, which consists of modifications to the following existing 115 kilovolt (kV) subtransmission circuits:

- Control-Haiwee-Inyokern 115 kV subtransmission circuit
- Control-Haiwee-Coso-Inyokern 115 kV subtransmission circuit
- Kramer-Randsburg-Inyokern 115 kV subtransmission circuit
- Kramer-Coolwater 115 kV subtransmission circuit
- Kramer-Tortilla 115 kV subtransmission circuit
- Coolwater-Tortilla 115 kV subtransmission circuit
- Ivanpah-Mountain Pass-Baker-Dunn Siding-Coolwater 115 kV subtransmission circuit

Segments and Sections

These circuits are divided into separate segments and are further sub-categorized into multiple sections. The purpose of the IC Project is to ensure compliance with the California Public Utilities Commission's (CPUC) General Order 95 (GO 95) and North American Electric Reliability Corporation (NERC) Facility Ratings through remediating physical clearance discrepancies identified on existing 115 kV subtransmission lines.

As discussed in greater detail in the Proponent's Environmental Assessment (PEA), SCE has identified a variety of ways to accomplish the IC Project. For purposes of a conservative and complete analysis of all potential environmental impacts associated with the IC Project, the remediation scope of work includes a combination of complete rebuild of existing SCE facilities (including replacing existing structures and utilizing a new conductor), reconductoring only, and circuit derating. These five segments are denoted for purposes of the IC Project as Segment 1, Segment 2, Segment 3 North or "3N", Segment 3 South or "3S", and Segment 4. Details pertaining to the 115 kV subtransmission line infrastructure are provided in the PEA; a summary of the scope of work in each Segment is as follows:

- Segment 1: SCE has identified that a full rebuild of the subtransmission lines in Segment 1 is the most feasible approach to remediate these discrepancies.

- Segment 2: SCE has identified that a full rebuild of the subtransmission line in Segment 2 is the most feasible approach to remediate these discrepancies.

- Segment 3N (3 North): SCE has identified that reconductoring of the subtransmission line, in combination with replacement of a small number of structures, can be utilized to remediate the identified discrepancies.

- Segment 3S (3 South): SCE has identified that reconductoring and derating of the subtransmission line, in combination with replacement of a small number of structures, can be utilized to remediate the identified discrepancies.

- Segment 4: SCE has identified that derating the subtransmission circuit in Segment 4, in combination with the replacement of some existing structures and the construction of a ring bus at the existing Baker Substation, can be utilized to remediate the identified discrepancies.

Codes and Standards

The FMP for the IC Project of the IC Project has been prepared in accordance with the CPUC Interim EMF Decision No. 06-01-042 ("2006 CPUC Decision") and general recommendations supported by the U.S. National Institute of Environmental Health Sciences and also satisfies the CPUC approved EMF Design Guidelines as well as all national and state safety standards for reconductoring and new electric facilities.

Magnetic Field Reduction Measures

SCE provides this FMP to inform all interested parties of the evaluation of "no-cost and low-cost" magnetic field reduction design options being considered and the proposed application of these design options in the IC Project. The FMP also provides a summary of background information regarding current scientific research related to possible health effects of EMF and the CPUC EMF Policy.

"No-Cost" Magnetic Field Reduction Design Options

The "no-cost" magnetic field reduction design options that are incorporated into the design of the IC Project include the following utilization of structure types and characteristics which reduce and minimize the electrical and magnetic field (EMF): Vertical and delta conductor configurations, double-circuit monopole structure configurations, and taller structure heights are used in areas with potential overhead clearance discrepancies, thus increasing ground clearance and minimizing EMF in locations outside the right-of-way (ROW).

"Low-Cost" Magnetic Field Reduction Design Options

The only "low-cost" magnetic field reduction measure incorporated into the design of the IC Project is the utilization of post-construction phasing arrangement to minimize EMF.

The "no-cost and low-cost" magnetic field reduction design options implemented in the IC Project are described in Table 1. Several portions of the IC Project alignment which are of specific interest for the EMF study are noted in the table and further addressed in the EMF study for safety concerns. The most significant EMF conditions in each residential area will be modeled and graphed to address previous science studies.

Table 1 – "Low Cost and No Cost" Options Considered & Adopted for Project

Segment & Section	Start Structure	End Structure	EMF Reduction Design Options	Estimated Cost	Structures in Residential Area
IC Segment 1 Section 1	Control Substation	Structure 214	Conductor Arrangement Double Circuit Construction Structure Heights Phasing Circuits	No cost No cost No cost Low cost	35-37, 53-56, 137-138
IC Segment 1 Section 2 - 3	Structure 214	Structure 683	Conductor Arrangement Double Circuit Construction Structure Heights Phasing Circuits	No cost No cost No cost Low cost	N/A
IC Segment 1 Section 4	Structure 683	Structure 912	Conductor Arrangement Double Circuit Construction Structure Heights Phasing Circuits	No cost No cost No cost Low cost	706-708

Segment & Section	Start Structure	End Structure	EMF Reduction Design Options	Estimated Cost	Structures in Residential Area
IC Segment 1 Section 5	Structure 912	Inyokern	Conductor Arrangement Double Circuit Construction Structure Heights Phasing Circuits	No cost No cost No cost Low cost	1042-1050
IC Segment 2 Section 1 - 2	Kramer Substation	Randsburg Substation	Conductor Arrangement Structure Heights	No cost No cost	121165-121166
IC Segment 2 Section 3 - 4	Randsburg Substation	Inyokern Substation	Conductor Arrangement Structure Heights	No cost No cost	N/A
IC Segment 3N	Kramer Substation	Coolwater Substation	Structure Heights	No cost	1546399E_ 1546400E - W1546395E_ E1546396E
IC Segment 3S Section 1	Kramer Substation	Tortilla Substation	Structure Heights	No cost	NA560118AE_ SA560118BE - NA560117AE_ SA560117BE, NA560194AE_ SA560194BE - NA560193AE_ SA560193BE
IC Segment 3S Section 2	Tortilla Substation	Coolwater Substation	Structure Heights	No cost	N/A
IC Segment 4 Sections 1 - 7	Coolwater Substation	Dunn Siding Substation	Conductor Arrangement Structure Heights	No cost No cost	128571-128572 & 128608-128609
IC Segment 4 Section 8 - 14	Dunn Siding Substation	Baker Substation	Conductor Arrangement Structure Heights	No cost No cost	N/A
IC Segment 4 Section 15 - 25	Baker Substation	Structure Ivanpah	Conductor Arrangement Structure Heights	No cost No cost	N/A

EMF BACKGROUND AND PUBLIC RESEARCH

There are many sources of power frequency[1] electric and magnetic fields, including internal household and building wiring, electrical appliances, and electric power transmission and distribution lines. There have been numerous scientific studies about the potential health effects of EMF. After many years of research, the scientific community has been unable to determine if exposures to EMF cause health

[1] In the U.S., the power frequency is 60 Hertz (Hz).

hazards. State and federal public health regulatory agencies have determined that setting numeric exposure limits is not appropriate.[2]

Magnetic fields use the units of microtesla (μT) and milligauss (mG). One μT is equal to 10 mG.

Many of the questions about possible connections between EMF exposures and specific diseases have been successfully resolved due to an aggressive international research program. However, potentially important public health questions remain about whether there is a link between EMF exposures and certain diseases, including childhood leukemia and a variety of adult diseases (e.g., adult cancers and miscarriages). As a result, some health authorities have identified magnetic field exposures as a possible human carcinogen. As summarized in greater detail below, these conclusions are consistent with the following published reports: the National Institute of Environmental Health Sciences (NIEHS) 1999[3], the National Radiation Protection Board (NRPB) 2001[4], the International Commission on non-Ionizing Radiation Protection (ICNIRP) 2001, the California Department of Health Services (CDHS) 2002[5], the International Agency for Research on Cancer (IARC) 2002[6] and the World Health Organization (WHO) 2007[7]. The federal government conducted EMF research as a part of a $45-million research program managed by the NIEHS. This program, known as the EMF RAPID (Research and Public Information Dissemination), submitted its final report to the U.S. Congress on June 15, 1999.

The report concluded that:

- "The scientific evidence suggesting that ELF-EMF exposures pose any health risk is weak."[8]
- "The NIEHS concludes that ELF-EMF exposure cannot be recognized as entirely safe because of weak scientific evidence that exposure may pose a leukemia hazard."[9]
- "The NIEHS suggests that the level and strength of evidence supporting ELF-EMF exposure as a human health hazard are insufficient to warrant aggressive regulatory actions; thus, we do not recommend actions such as stringent standards on electric appliances and a national program to bury all transmission and distribution lines. Instead, the evidence suggests passive measures such as a continued emphasis on educating both the public and the regulated community on means aimed at reducing exposures. NIEHS suggests that the power industry continue its current practice of siting power lines to reduce exposures and continue to explore ways to reduce the creation of magnetic fields around transmission and distribution lines without creating new hazards."[10]

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

> "After a wide-ranging and thorough review of scientific research, an independent Advisory Group to the Board of NRPB has concluded that the power frequency electromagnetic fields that exist in the vast majority of homes are not a cause of cancer in general. However, some epidemiological studies

[2] CPUC Decision 06-01-042, p. 6, footnote 10.
[3] National Institute of Environmental Health Sciences' Report on Health Effects from Exposures to Power-Line frequency Electric and Magnetic Fields, NIH Publication No. 99-4493, June 1999.
[4] National Radiological Protection Board, Electromagnetic Fields and the Risk of Cancer, Report of an Advisory Group on Non-ionizing Radiation, Chilton, U.K. 2001.
[5] California Department of Health Services, An Evaluation of the Possible Risks from Electric and Magnetic Fields from Power Lines, Internal Wiring, Electrical Occupations, and Appliances, June 2002.
[6] World Health Organization / International Agency for Research on Cancer, IARC Monographs on the evaluation of carcinogenic risks to humans (2002), Non-ionizing radiation, Part 1: Static and extremely low frequency (ELF) electric and magnetic fields, IARC Press, Lyon, France: International Agency for Research on Cancer, Monograph, vol. 80, p. 338, 2002.
[7] WHO, Environmental Health Criteria 238, EXTREMELY LOW FREQUENCY FIELDS, 2007.
[8] National Institute of Environmental Health Sciences, NIEHS Report on Health Effects from Exposures to Power-Frequency Electric and Magnetic Fields, p. ii, NIH Publication No. 99-4493, 1999.
[9] *Ibid.*, p. iii.
[10] *Ibid.*, p. 37 – 38

do indicate a possible small risk of childhood leukemia associated with exposures to unusually high levels of power frequency magnetic fields."[11]

In 2002, three scientists for CDHS concluded:

"To one degree or another, all three of the [CDHS] scientists are inclined to believe that EMFs can cause some degree of increased risk of childhood leukemia, adult brain cancer, Lou Gehrig's disease, and miscarriage. They [CDHS] strongly believe that EMFs do not increase the risk of birth defects, or low birth weight.

They [CDHS] strongly believe that EMFs are not universal carcinogens, since there are a number of cancer types that are not associated with EMF exposure. To one degree or another they [CDHS] are inclined to believe that EMFs do not cause an increased risk of breast cancer, heart disease, Alzheimer's disease, depression, or symptoms attributed by some to a sensitivity to EMFs. However, all three scientists had judgments that were "close to the dividing line between believing and not believing" that EMFs cause some degree of increased risk of suicide. For adult leukemia, two of the scientists are 'close to the dividing line between believing or not believing' and one was 'prone to believe' that EMFs cause some degree of increased risk."[12]

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

"EMF magnetic fields are possibly carcinogenic to humans"[13], based on consistent statistical associations of high-level residential magnetic fields with a doubling of risk of childhood leukemia...Children who are exposed to residential EMF magnetic fields less than 0.4 microTesla (4.0 milliGauss) have no increased risk for leukemia…. In contrast, "no consistent relationship has been seen in studies of childhood brain tumors or cancers at other sites and residential EMF electric and magnetic fields."[14]

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

- "Scientific evidence suggesting that everyday, chronic low-intensity (above 0.3- 0.4 μT [3-4 mG]) power-frequency magnetic field exposure poses a health risk is based on epidemiological studies demonstrating a consistent pattern of increased risk for childhood leukemia."[15] "In addition, virtually all of the laboratory evidence and the mechanistic evidence fail to support a relationship between low-level ELF magnetic fields and changes in biological function or disease status. Thus, on balance, the evidence is not strong enough to be considered causal, but sufficiently strong to remain a concern."[16]
- "A number of other diseases have been investigated for possible association with ELF magnetic field exposure. These include cancers in both children and adults, depression, suicide, reproductive dysfunction, developmental disorders, immunological modifications and neurological disease. The scientific evidence supporting a linkage between ELF magnetic fields and any of these diseases is much weaker than for childhood leukemia and in some cases (for example, for cardiovascular disease or breast cancer) the evidence is sufficient to give confidence that magnetic fields do not cause the disease"[17]

[11] NRPB, NRPB Advisory Group on Non-ionizing Radiation Power Frequency Electromagnetic Fields and the Risk of Cancer, NRPB Press Release May 2001.
[12] CDHS, An Evaluation of the Possible Risks From Electric and Magnetic Fields (EMFs) From Power Lines, Internal Wiring, Electrical Occupations and Appliances, p. 3, 2002.
[13] IARC, Monographs, Part I, Vol. 80, p. 338.
[14] *Ibid*., p. 332 – 334.
[15] WHO, Environmental Health Criteria 238, EXTREMELY LOW FREQUENCY FIELDS, p. 11 - 13, 2007.
[16] *Ibid*., p. 12.
[17] *Ibid*., p. 12.

- "Furthermore, given both the weakness of the evidence for a link between exposure to ELF magnetic fields and childhood leukemia, and the limited impact on public health if there is a link, the benefits of exposure reduction on health are unclear. Thus, the costs of precautionary measures should be very low."[18]

APPLICATION OF CPUC EMF POLICY

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

In 2006, the CPUC completed its review and update of its EMF Policy in Decision 06-01-042. This decision reaffirmed the finding that state and federal public health regulatory agencies have not established a direct link between exposure to EMF and human health effects,[19] and the policy direction that (1) use of numeric exposure limits was not appropriate in setting utility design guidelines to address EMF,[20] and (2) existing "no-cost and low-cost" precautionary-based EMF policy should be continued for proposed electrical facilities. The decision also reaffirmed that EMF concerns brought up during Certificate of Public Convenience and Necessity (CPCN) and Permit to Construct (PTC) proceedings for electric and transmission and substation facilities should be limited to the utility's compliance with the CPUC's "no-cost and low-cost" policies.[21]

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

"No-cost and low-cost" measures to reduce magnetic fields would be implemented for the IC Project in accordance with SCE's EMF Design Guidelines. In summary, the process of evaluating "no-cost and low-cost" magnetic field reduction measures and prioritizing within and between land usage classes considers the following:

1. SCE's priority in the design of any electrical facility is public and employee safety. Without exception, design and construction of an electric power system must comply with all applicable federal, state, and local regulations, applicable safety codes, and each electric utility's construction standards. Furthermore, transmission and Subtransmission lines and substations must be constructed so that they can operate reliably at their design capacity. Their design must be compatible with other facilities in the area and the cost to operate and maintain the facilities must be reasonable.

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[18] *Ibid*., p. 13.
[19] CPUC Decision 06-01-042, Conclusion of Law No. 5, mimeo. p. 19 ("As discussed in the rulemaking, a direct link between exposure to EMF and human health effects has yet to be proven despite numerous studies including a study ordered by this Commission and conducted by DHS.")
[20] CPUC Decision 06-01-042, mimeo. p. 17 - 18 ("Furthermore, we do not request that utilities include nonroutine mitigation measures, or other mitigation measures that are based on numeric values of EMF exposure, in revised design guidelines or apply mitigation measures to reconfigurations or relocations of less than 2,000 feet, the distance under which exemptions apply under GO 131-D. Non-routine mitigation measures should only be considered under unique circumstances.").
[21] CPUC Decision 06-01-042, Conclusion of Law No. 2, ("EMF concerns in future CPCN and PTC proceedings for electric and transmission and substation facilities should be limited to the utility's compliance with the Commission's low-cost/no-cost policies.").

2. As a supplement to Step 1, SCE follows the CPUC's direction to undertake "no-cost and low-cost" magnetic field reduction measures for new and upgraded electrical facilities. Any proposed "no-cost and low-cost" magnetic field measures, must, however, meet the requirements described in Step 1 above. The CPUC defines "no-cost and low-cost" measures as follows:

    - Low-cost measures, in aggregate, should:
        - Cost in the range of 4 percent of the total project cost.
        - Result in magnetic field reductions of "15% or greater at the utility R-O-W [right-of-way]…"[22]

    The CPUC Decision stated:

    "We direct the utilities to use 4 percent as a benchmark in developing their EMF mitigation guidelines. We will not establish 4 percent as an absolute cap at this time because we do not want to arbitrarily eliminate a potential measure that might be available but costs more than the 4 percent figure. Conversely, the utilities are encouraged to use effective measures that cost less than 4 percent."[23]

3. The CPUC provided further policy direction in Decision 06-01-042, stating that, "although equal mitigation for an entire class is a desirable goal, we will not limit the spending of EMF mitigation to zero on the basis that not all class members can benefit."[24] While Decision 06-01-042 directs the utilities to favor schools, day-care facilities and hospitals over residential areas when applying low-cost magnetic field reduction measures, prioritization within a class can be difficult on a project case-by-case basis because schools, day-care facilities, and hospitals are often integrated into residential areas, and many licensed day-care facilities are housed in private homes, and can be easily moved from one location to another. Therefore, it may be practical for public schools, licensed day-care centers, hospitals, and residential land uses to be grouped together to receive highest prioritization for low-cost magnetic field reduction measures. Commercial and industrial areas may be grouped as a second priority group, followed by recreational and agricultural areas as the third group. Low-cost magnetic field reduction measures will not be considered for undeveloped land, such as open space, state and national parks, and Bureau of Land Management and U.S. Forest Service lands. When spending for low-cost measures would otherwise disallow equitable magnetic field reduction for all areas within a single land-use class, prioritization can be achieved by considering location and/or density of permanently occupied structures on lands adjacent to the projects, as appropriate.

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

> "Our [CPUC] review of the modeling methodology provided in the utility [EMF] design guidelines indicates that it accomplishes its purpose, which is to measure the relative differences between alternative mitigation measures. Thus, the modeling indicates relative differences in magnetic field

[22] CPUC Decision 06-01-042, p. 10.
[23] CPUC Decision 93-11-013, § 3.3.2, p.10.
[24] CPUC Decision 06-01-042, p. 10.

reductions between different transmission line construction methods but does not measure actual environmental magnetic fields."[25]

PROJECT DESCRIPTION

The IC Project design seeks to resolve all clearance discrepancies present in the existing subtransmission lines and incorporate an overhead fiber optic static wire to improve the reliability of the line. The IC Project alignment starts at SCE's Ivanpah Substation and ends at SCE's Control Substation.

The IC Project alignment is approximately 358 miles long. The existing subtransmission lines associated with the IC Project are predominantly lattice towers, lattice H-frames, wood H-frames, and some single delta wood pole structures. The structures located between Control Substation and Inyokern Substation are configured with vertical double circuits with one shield wire above the conductors for lightning protection. The structures located between Inyokern Substation and Ivanpah Substation are configured with the three phases horizontally spaced with dual overhead shield wires above the conductors for lightning protection in limited areas.

The existing subtransmission lines are comprised of 4/0 "Penguin" Aluminum Conductor Steel Reinforced (ACSR), 795 kcmil All Aluminum Conductor (AAC) "Arbutus", and 336 kcmil "Oriole" ACSR sections with select spans of 954 kcmil 37/0 AAC and 653.9 kcmil 18/3 ACSR in the section between Kramer Substation and Inyokern Substation. The original subtransmission lines were constructed between 1912 and 1969, with some modifications implemented in the last decade.

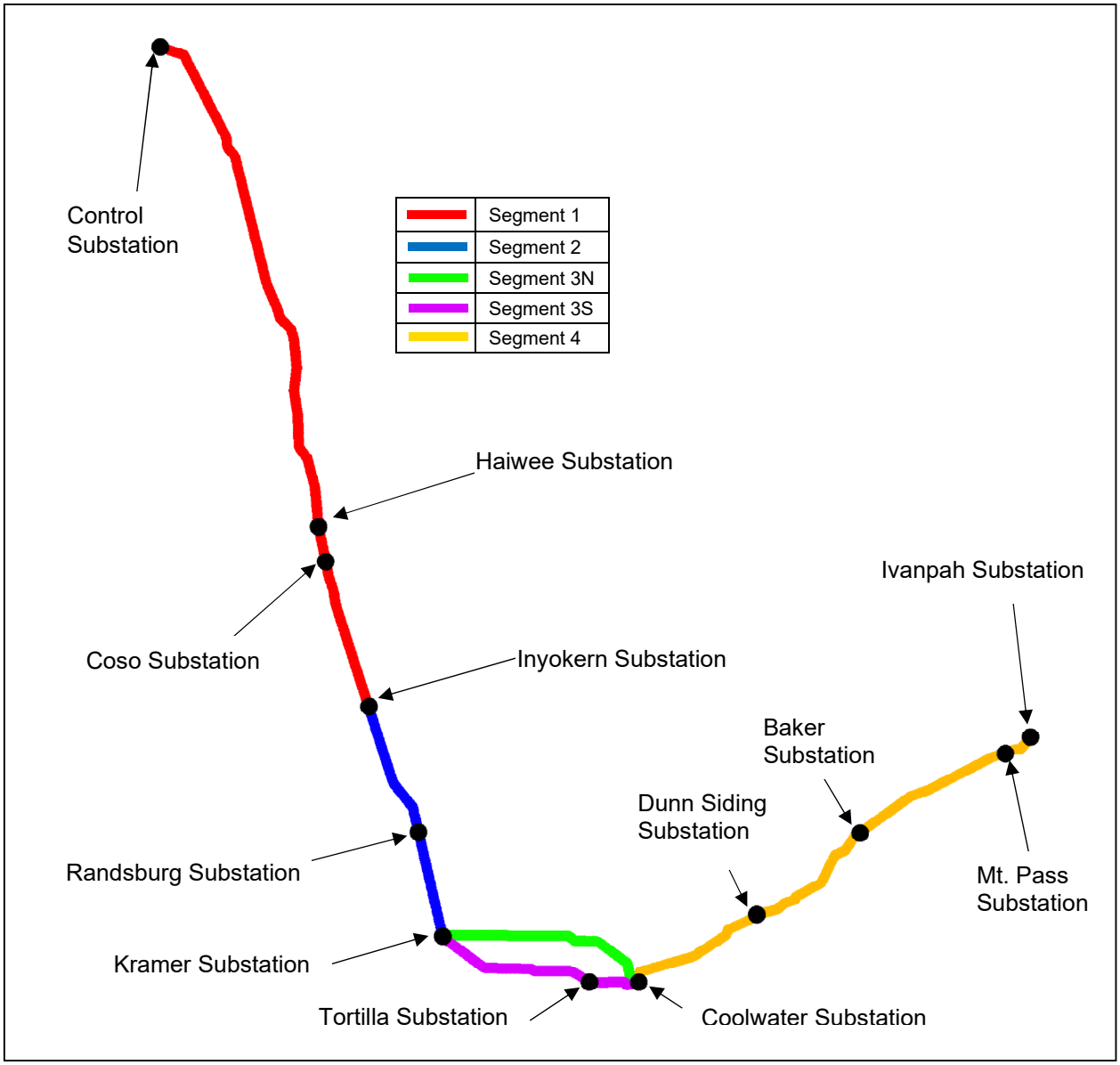
The original IC Project, included in SCE's July 2019 Application, proposed a complete rebuild of each of the subtransmission lines included in the Project, including the removal of all existing structures and conductor and the installation of new structures and conductor. The currently-proposed IC Project, included in SCE's April 2020 Application, proposes a complete rebuild of two subtransmission lines, the reconductor of two other subtransmission lines, and the derating of one subtransmission line. The location of this work, and the scopes of work along each subtransmission line, are presented in the 'Geographic Segments' and 'Summary of IC Project Components by Segment' sections below.

[25] CPUC Decision 06-01-042, p. 11.

GEOGRAPHIC SEGMENTS

The construction activities proposed under the IC Project are described in detail for each geographic segment, including the planned structure and conductor removals and installations and approximate line length values. For visual reference, Figure 1 depicts the location of each segment along the IC Project alignment.

Figure 1 – IC Project Subtransmission Line Route Segments



The IC Project has been divided into the following phase arrangement segments in the PEA. The sections are further subdivisions of the lines based on the line design and phasing.

Table 2 – IC Project Segment 1, 126.2 miles, Approximate Section Lengths

Segment & Section	Start Structure	End Structure	Approx. Length
IC Segment 1 Section 1	Control Substation	Structure 214	25.6 miles
IC Segment 1 Section 2	Structure 214	Structure 442	27.7 miles
IC Segment 1 Section 3	Structure 442	Structure 683	25.4 miles
IC Segment 1 Section 4	Structure 683	Structure 912	27.2 miles
IC Segment 1 Section 5	Structure 912	Inyokern Substation	20.3 miles

Table 3 – IC Project Segment 2, 48.3 miles, Approximate Section Lengths

Segment & Section	Start Structure	End Structure	Approx. Length
IC Segment 2 Section 1	Kramer Substation	Structure 121255	15.5 miles
IC Segment 2 Section 2	Structure 121255	Randsburg Substation	11.0 miles
IC Segment 2 Section 3	Randsburg Substation	Structure 121042	15.6 miles
IC Segment 2 Section 4	Structure 121042	Inyokern Substation	6.2 miles

Table 4 – IC Project Segments 3N & 3S, 44.4 & 43.5 miles, Approximate Section Lengths

Segment & Section	Start Structure	End Structure	Approx. Length
IC Segment 3N	Kramer Substation	Coolwater Substation	44.4 miles
IC Segment 3S Section 1	Kramer Substation	Tortilla Substation	32.1 miles
IC Segment 3S Section 2	Tortilla Substation	Coolwater Substation	11.4 miles

Table 5 – IC Project Segment 4, 95.3 miles, Approximate Section Lengths

Segment & Section	Start Structure	End Structure	Approx. Length
IC Segment 4 Section 1	Coolwater Substation	Structure 128574	5.6 miles
IC Segment 4 Section 2	Structure 128574	Structure 128595	3.0 miles
IC Segment 4 Section 3	Structure 128595	Structure 128638	6.0 miles
IC Segment 4 Section 4	Structure 128638	Structure 128660	3.1 miles
IC Segment 4 Section 5	Structure 128660	Structure 128699	5.6 miles
IC Segment 4 Section 6	Structure 128699	Structure 128716	2.4 miles

Segment & Section	Start Structure	End Structure	Approx. Length
IC Segment 4 Section 7	Structure 128716	Dunn Siding Substation	2.7 miles
IC Segment 4 Section 8	Dunn Siding Substation	Structure 128753	2.6 miles
IC Segment 4 Section 9	Structure 128753	Structure 128774	2.9 miles
IC Segment 4 Section 10	Structure 128774	Structure 128817	5.9 miles
IC Segment 4 Section 11	Structure 128817	Structure 128840	3.0 miles
IC Segment 4 Section 12	Structure 128840	Structure 128882	5.9 miles
IC Segment 4 Section 13	Structure 128882	Structure 128904	3.0 miles
IC Segment 4 Section 14	Structure 128904	Baker Substation	4.3 miles
IC Segment 4 Section 15	Baker Substation	Structure 128949	2.0 miles
IC Segment 4 Section 16	Structure 128949	Structure 128971	3.1 miles
IC Segment 4 Section 17	Structure 128971	Structure 1281015	6.3 miles
IC Segment 4 Section 18	Structure 1281015	Structure 1281039	3.4 miles
IC Segment 4 Section 19	Structure 1281039	Structure 1281082	6.2 miles
IC Segment 4 Section 20	Structure 1281082	Structure 1281104	3.1 miles
IC Segment 4 Section 21	Structure 1281104	Structure 1281146	5.8 miles
IC Segment 4 Section 22	Structure 1281146	Structure 1281167	2.6 miles
IC Segment 4 Section 23	Structure 1281167	Mt. Pass Substation	0.9 miles
IC Segment 4 Section 24	Mt. Pass Substation	Structure 1281210	4.8 miles
IC Segment 4 Section 25	Structure 1281210	Ivanpah Substation	1.1 miles

SUMMARY OF IC PROJECT COMPONENTS BY SEGMENT

IC Project Segment 1 Section 1, Control Substation – Str. 214

- Remove all existing structures.
- Install approximately 119 TSP and 62 LWS Structures.
- Reconductor the subtransmission lines by removing all existing conductor and installing 714 kcmil Dove Aluminum Conductor Composite Core (ACCC) conductor along the 25.6 mile segment.

IC Project Segment 1 Section 2, Str. 214 – Str. 442
- Remove all existing structures.
- Install approximately 87 TSP and 95 LWS Structures.
- Reconductor the subtransmission lines by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 27.7 mile segment.

IC Project Segment 1 Section 3, Str. 442 – Str. 683
- Remove all existing structures.
- Install approximately 90 TSP and 96 LWS Structures.
- Reconductor the subtransmission lines by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 25.4 mile segment.

IC Project Segment 1 Section 4, Str. 683 – Str. 912
- Remove all existing structures.
- Install approximately 63 TSP and 134 LWS Structures.
- Reconductor the subtransmission lines by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 27.2 mile segment.

IC Project Segment 1 Section 5, Str. 912 – Inyokern Substation
- Remove all existing structures.
- Install approximately 149 TSP and 10 LWS Structures.
- Reconductor the subtransmission lines by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 20.3 mile segment.

IC Project Segment 2 Section 1, Kramer Substation – Str. 121255
- Remove all existing structures except Str 121134A.
- Install approximately 118 TSP and no LWS Structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 15.5 mile segment.

IC Project Segment 2 Section 2, Str. 121255 – Randsburg Substation
- Remove all existing structures.
- Install approximately 87 TSP and no LWS Structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 11.0 mile segment.

IC Project Segment 2 Section 3, Randsburg Substation – Str. 121042
- Remove all existing structures.
- Install approximately 108 TSP and no LWS Structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 15.6 mile segment.

IC Project Segment 2 Section 4, Str. 121042 – Inyokern Substation
- Remove all existing structures.
- Install approximately 30 TSP and no LWS Structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 6.2 mile segment.

IC Project Segment 3N, Kramer Substation – Coolwater Substation
- Install 11 structures of various types to match existing structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 44.4 mile segment.

IC Project Segment 3S Section 1, Kramer Substation – Tortilla Substation
- Install 11 structures of various types to match existing structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 32.1 mile segment.

IC Project Segment 3S Section 2, Tortilla Substation – Coolwater Substation
- Install 4 structures of various types to match existing structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 11.4 mile segment.

IC Project Segment 4 Section 1, Coolwater Substation – Str. 128574
- Install 4 structures of various types to match existing structures.
- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 2, Str. 128574 – Str. 128595
- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 3, Str. 128595 – Str. 128638
- Install 3 structures of various types to match existing structures.
- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 4, Str. 128638– Str. 128660
- Install 1 structures of various types to match existing structures.
- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 5, Str. 128660 – Str. 128699
- Install 3 structures of various types to match existing structures.
- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 6, Str. 128699 – Str. 128716
- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 7, Str. 128716 – Dunn Siding Substation
- Install 4 structures of various types to match existing structures.
- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 8, Dunn Siding Substation – Str. 128753
- Install 3 structures of various types to match existing structures.
- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 9, Str. 128753 – Str. 128774
- Install 1 structure to match existing structure.
- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 10, Str. 128774 – Str. 128817
- Install 5 structures of various types to match existing structures.
- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 11, Str. 128817– Str. 128840
- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 12, Str. 128840 – Str. 128882
- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 13, Str. 128882 – Str. 128904
- Install 1 structure to match existing structure.
- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 14, Str. 128904 – Baker Substation
- Install 2 structures of various types to match existing structures.
- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 15, Baker Substation – Str. 128949
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 16, Str. 128949 – Str. 128971
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 17, Str. 128971 – Str. 1281015
- Install 3 structures of various types to match existing structures.
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 18, Str. 1281015 – Str. 1281039
- Install 5 structures of various types to match existing structures.
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 19, Str. 1281039 – Str. 1281082
- Install 14 structures of various types to match existing structures.
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 20, Str. 1281082 – Str. 1281104
- Install 5 structures of various types to match existing structures.
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 21, Str. 1281104 – Str. 1281146
- Install 6 structures of various types to match existing structures.
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 22, Str. 1281146 – Str. 1281167
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 23, Str. 1281167 – Mt. Pass Substation
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 24, Mt. Pass Substation – Str. 1281210
- Install 2 structures of various types to match existing structures.
- The existing line will be derated to 240 Amps to minimize sag.

IC Project Segment 4 Section 25, Str. 1281210 – Ivanpah Substation
- The existing line will be derated to 240 Amps to minimize sag.

EVALUATION OF MAGNETIC FIELD REDUCTION DESIGN OPTIONS

Ivanpah – Control Segment 1, Control - Inyokern

A series of EMF analyses was completed for the subtransmission lines included in the IC Project located in Segment 1, and a calculated typical EMF profile is shown for each segment as well as an existing conditions calculation. The calculated magnetic fields can be found in Figure 2 – Figure 11 and Table 8 – Table 12. The magnetic field calculations were obtained using the proposed line design's PLS-CADD model and the 2008 CAISO amperages of 415A per each of the double circuit lines. Values shown in this report are not meant to be predictive of any date or any time but are to be used for a comparison of structure arrangements.

Ivanpah – Control Segment 2, Kramer - Randsburg - Inyokern

A series of EMF analyses was completed on the subtransmission lines included in the IC Project located in Segment 2, and a calculated typical EMF profile is shown for each segment as well as an existing conditions calculation. The calculated magnetic fields can be found in Figure 12 – Figure 19 and Table 13 – Table 16. The magnetic field calculations were obtained using the proposed line design's PLS-CADD model and the 2008 CAISO amperage of 830A. Values shown in this report are not meant to be predictive of any date or any time but are to be used for a comparison of structure arrangements.

Ivanpah – Control Segment 3N, Kramer - Coolwater

A series of EMF analyses was completed on the subtransmission lines included in the IC Project located in Segment 3N, and a calculated typical EMF profile is shown for each segment as well as an existing conditions calculation. The calculated magnetic fields can be found in Figure 20 – Figure 21 and Table 17. The magnetic field calculations were obtained using the proposed line design's PLS-CADD model and the 2008 CAISO amperage of 950A. Values shown in this report are not meant to be predictive of any date or any time but are to be used for a comparison of structure arrangements.

Ivanpah – Control Segment 3S, Kramer - Tortilla - Coolwater

A series of EMF analyses was completed on the subtransmission lines included in the IC Project located in Segment 3S, and a calculated typical EMF profile is shown for each segment as well as an existing conditions calculation. The calculated magnetic fields can be found in Figure 22 – Figure 25 and Table 18 – Table 19. The magnetic field calculations were obtained using the proposed line design's PLS-CADD model and the 2008 CAISO amperage of 975A. Values shown in this report are not meant to be predictive of any date or any time but are to be used for a comparison of structure arrangements.

Ivanpah – Control Segment 4, Ivanpah - Mt. Pass - Baker - Dunn Siding - Coolwater

A series of EMF analyses was completed on the subtransmission lines included in the IC Project located in Segment 4 and a calculated typical EMF profile is shown for each segment as well as an existing conditions calculation. The calculated magnetic fields can be found in Figure 26 – Figure 75 and Table 20 – Table 44. The magnetic field calculations were obtained using the proposed line design's PLS-CADD model and the derated amperages as listed in Table 6 below. The derated amperages are based on the PLS-CADD model for clearance mitigations. Values shown in this report are not meant to be predictive of any date or any time but are to be used for a comparison of structure arrangements.

Table 6 – Segment 4 Non-Derated vs. Derated Amps

Segment	Section	To	From	2008 CAISO Normal Rating (Amps)	Derated (Amps)
4	1 - 7	Coolwater	Dunn Siding	415	165
4	8 - 14	Dunn Siding	Baker	415	150
4	15 - 23	Baker	Mountain Pass	415	215
4	24 - 25	Mountain Pass	Ivanpah	415	240

Residential Graphs

An additional series of EMF analyses were completed on the subtransmission lines in residential areas throughout the project. Calculated typical EMF profiles are shown for these locations as well as an existing conditions calculation. The calculated magnetic fields can be found in Figure 76 – Figure 97 and Table 45 – Table 55. The magnetic field calculations were obtained using the proposed line design's PLS-CADD model and the 2008 CAISO amperage in each area. Values shown in this report are not meant to be predictive of any date or any times.

MAGNETIC FIELD ASSUMPTIONS

- Magnetic field characteristics were modeled using PLS-CADD software.
- Magnetic field models and the calculated results of magnetic field levels present in this document are intended only for the purposes of identifying relative differences in the magnetic field levels for the purpose of comparison and discussion of design alternatives to determine if a 15% or more reduction of magnetic field levels at the edges of the right of way can be achieved. These calculated results are not intended to be applied as actual predictions of magnetic fields at any specific time or location during or following project construction.
- All lines were modeled with balanced line currents and standard phases. Variation of phasing did not matter as long as the opposite circuit was modeled appropriately.
- Amperages and phasing were supplied by SCE. The amperages used to calculate the EMF for the IC Project were furnished by SCE for the 2008 CAISO ratings.
- Where data did not exist for the non-SCE parallel lines, reasonable assumptions were made for phase arrangement, conductor sizes, and load amperages.
- Existing conductor heights were based on preliminary subtransmission line models.
- Wire height used is the height of the wire where the target point is projected upon it.
- Wire position is determined by the currently displayed weather case.
- The current conductor type, ACSR, sags much more than the proposed conductor type, ACCC, resulting in lower EMF values. This generally leads to lower EMF results for the ACCC conductors.
- Magnetic field strength was calculated at a height of 3 feet above the terrain surface.
- Calculations were made at mid span.
- All calculations based on the EPRI Red Book methods (2nd Edition, 1982 - infinite straight wire with flat earth approximation), assuming flat terrain.
- These approximations are only valid for low frequency (50-60 Hz) AC transmission lines.
- The effects of earth return currents (earth resistivity) are ignored when calculating the magnetic field.
- 2008 CAISO Normal Ratings (Amps) provided by SCE for Circuit without the Proposed Project:

Table 7 – 2008 CAISO Normal Ratings

Description	Segment	2008 CAISO Normal Rating (Amps)
Control-Haiwee-Inyokern; Control Tap	1	830 (415 per line)
Control-Coso-Haiwee-Inyokern; Control Tap	1	830 (415 per line)
Kramer-Inyokern-Randsburg No. 1	2	830
Kramer-Coolwater	3N	950
Kramer-Tortilla	3S	975
Coolwater Segs 2 - Tortilla	3S	975

Description	Segment	2008 CAISO Normal Rating (Amps)
Ivanpah-Baker-Coolwater-Dunn Siding-Mountain Pass; Mountain Pass to Baker	4	415

FINAL RECOMMENDATIONS FOR MAGNETIC FIELD REDUCTION DESIGN

The IC Project design can benefit from double circuit construction, and vertical and delta conductor arrangement. Implementing both low cost and no cost measures significantly reduces the magnetic field and potential exposure risk well below CPUC approved EMF Design Guidelines as well as all national and state safety standards for reconductoring or new electric facilities.

Reduction Measures

1. Arrange conductors in a vertical or delta configuration for magnetic field reduction. This is considered a no cost measure as the entire line maintains the recommended phase arrangement.

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

3. Utilize structure heights that meet or exceed EMF preferred design criteria of SCE.

4. After construction, change the phase arrangement as the circuit enters the substation thereby changing the final phasing to further reduce the magnetic field.

SEGMENT GRAPHS

These graphs are based on calculations that occur on spans that are the lowest within each section. In each of the Typical Magnetic Field Levels graphs presented in this document, the term "Proposed Project" is synonymous with the "IC Project" as described in Chapter 3 of the IC Project PEA document.

Segment 1 Section 1

Figure 2 - Typical Magnetic Field Levels for Segment 1 Section 1 Control – Structure 214, Str. 169 - 170 at 415 Amps

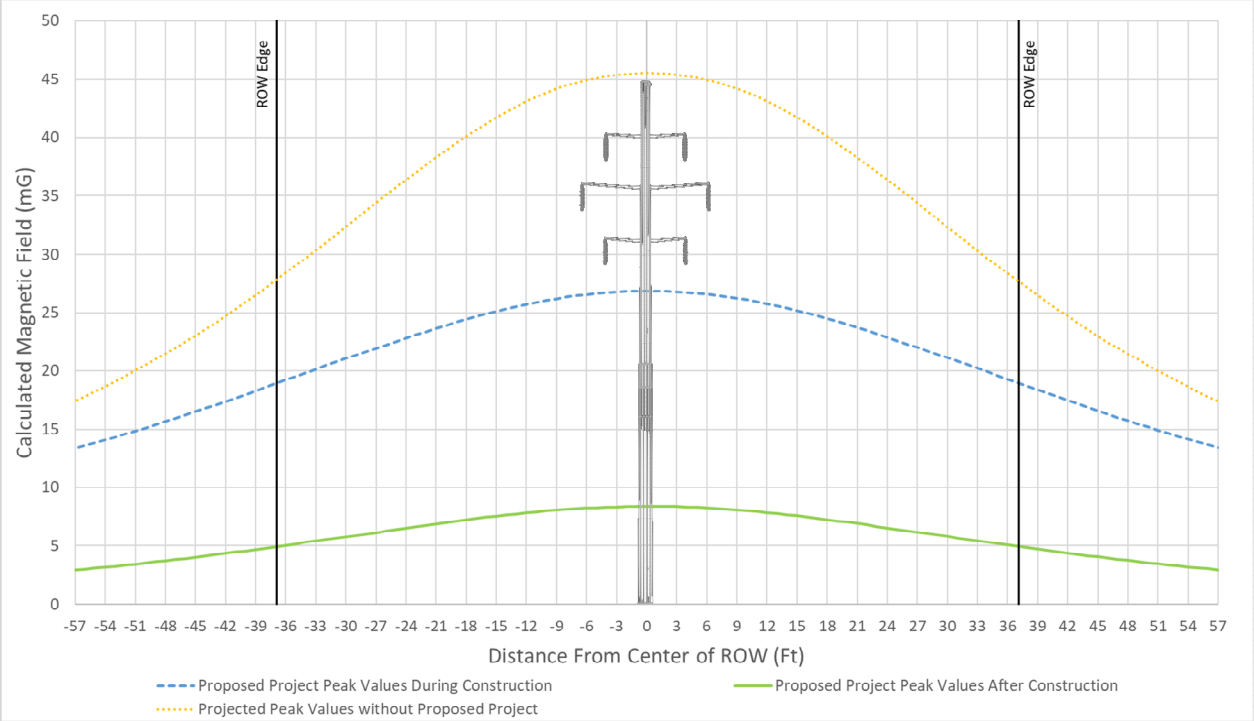


Table 8 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 1 Str. 169 - 170

Design Options	Left Edge (mG)	% Change[26]	Right Edge (mG)	% Change[26]
Projected Peak Values without Proposed Project 115 kV T/L	27.766	N/A	27.744	N/A
Proposed Project Peak Values 115 kV T/L During Construction	18.896	32% Decrease	18.975	32% Decrease
Proposed Project Peak Values 115 kV T/L After Construction	4.915	82% Decrease	4.946	82% Decrease

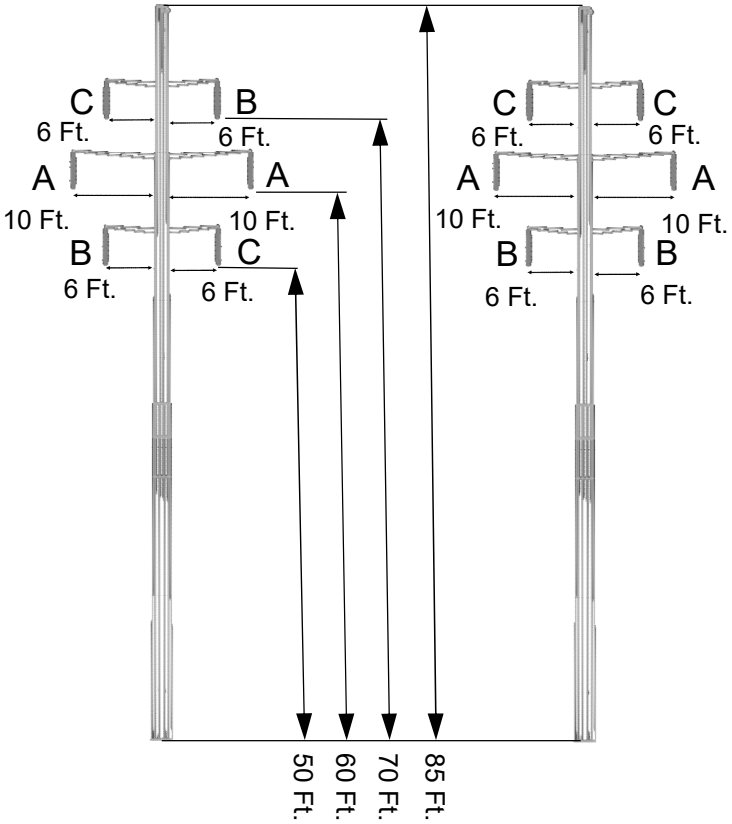
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 85 Ft. Length – 4 Ft.

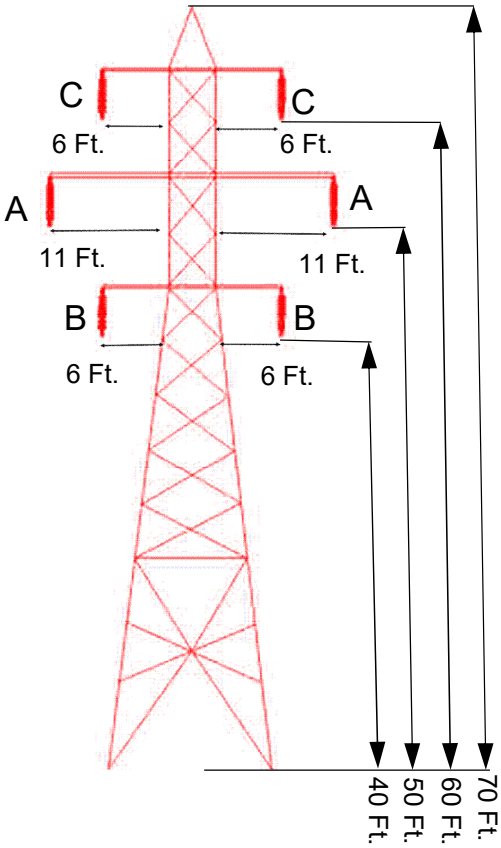
[26] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 3 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Note: The phasing shown is due to the transposition requirements for this section of the line.

Segment 1 Section 2

Figure 4 - Typical Magnetic Field Levels for Segment 1 Section 2 Structure 214 – Structure 442, Str. 251 - 252 at 415 Amps

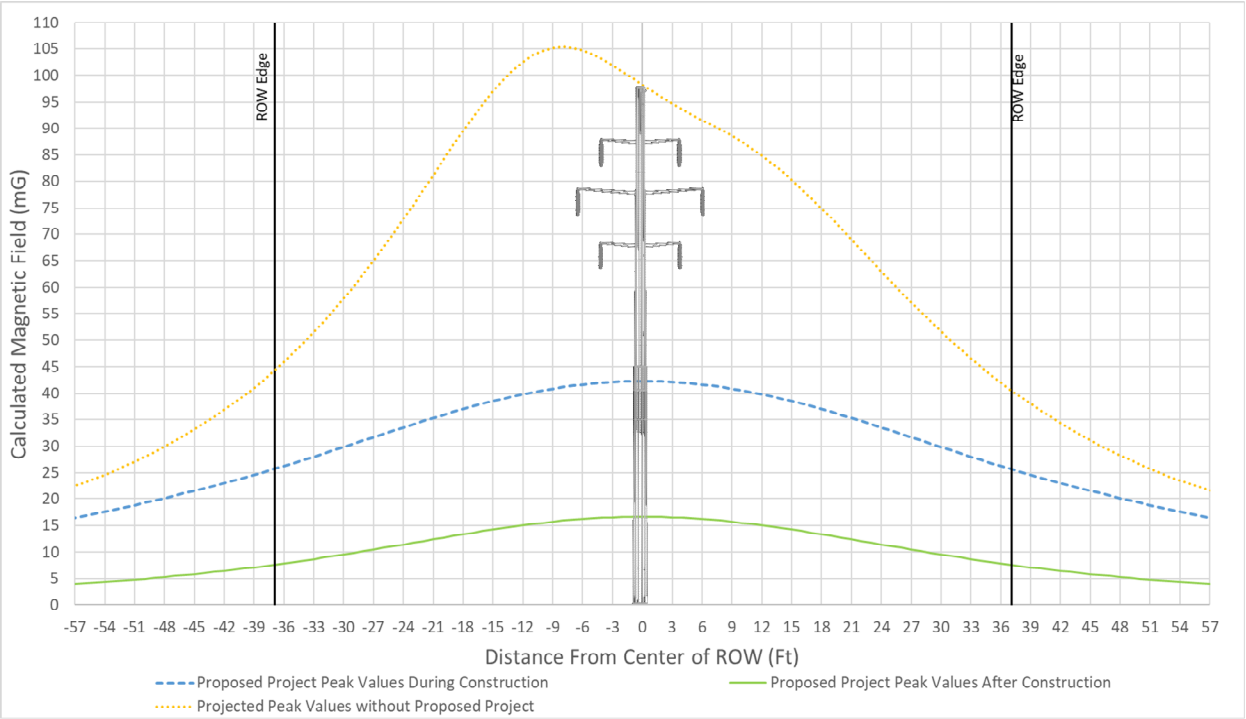


Table 9 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 2 Str. 251 - 252

Design Options	Left Edge (mG)	% Change[27]	Right Edge (mG)	% Change[27]
Projected Peak Values without Proposed Project 115 kV T/L	44.226	N/A	40.615	N/A
Proposed Project Peak Values 115 kV T/L During Construction	25.722	42% Decrease	25.722	37% Decrease
Proposed Project Peak Values 115 kV T/L After Construction	7.674	83% Decrease	7.674	81% Decrease

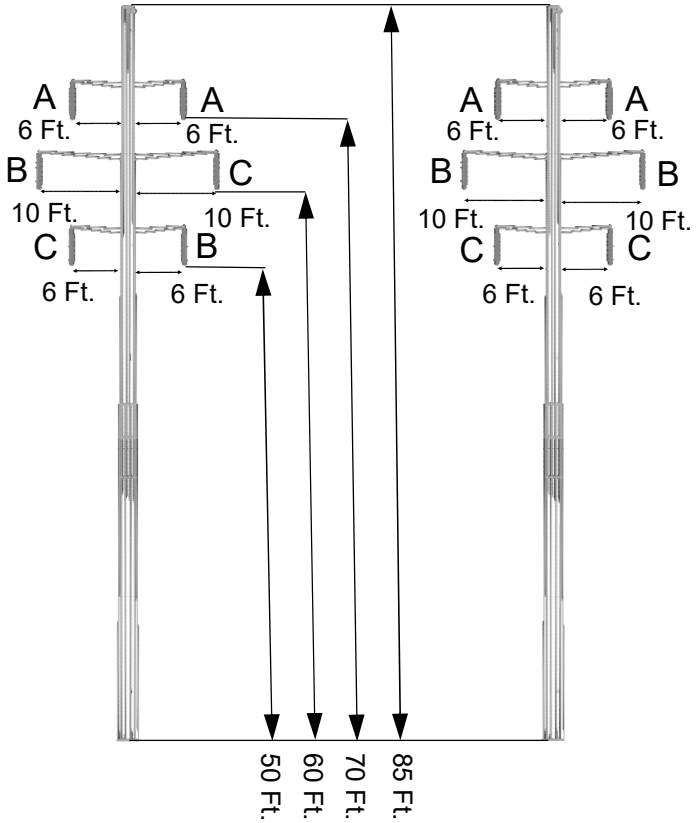
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 85 Ft. Length – 4 Ft.

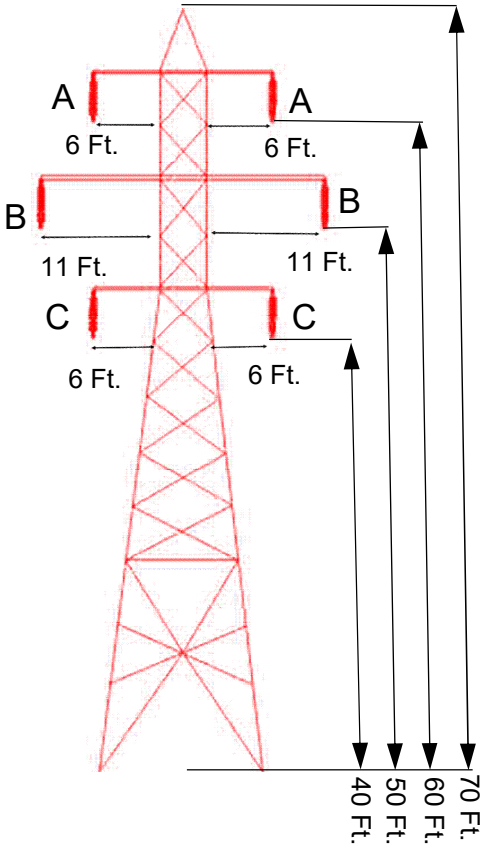
[27] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 5 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Note: The phasing shown is due to the transposition requirements for this section of the line.

Segment 1 Section 3

Figure 6 - Typical Magnetic Field Levels for Segment 1 Section 3 Structure 442 – Structure 683, Str. 544 - 545 at 415 Amps

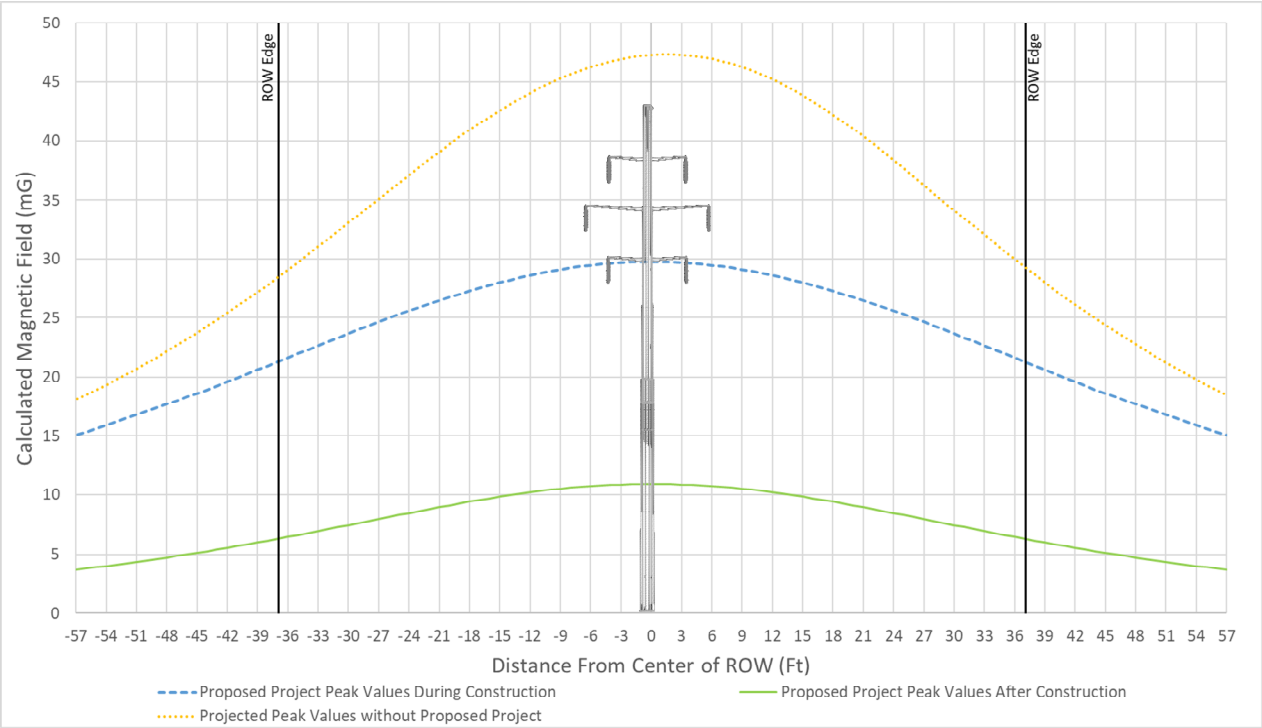


Table 10 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 3 Str. 544 - 545

Design Options	Left Edge (mG)	% Change[28]	Right Edge (mG)	% Change[28]
Projected Peak Values without Proposed Project 115 kV T/L	28.439	N/A	29.318	N/A
Proposed Project Peak Values 115 kV T/L During Construction	21.294	25% Decrease	21.294	27% Decrease
Proposed Project Peak Values 115 kV T/L After Construction	6.307	78% Decrease	6.307	78% Decrease

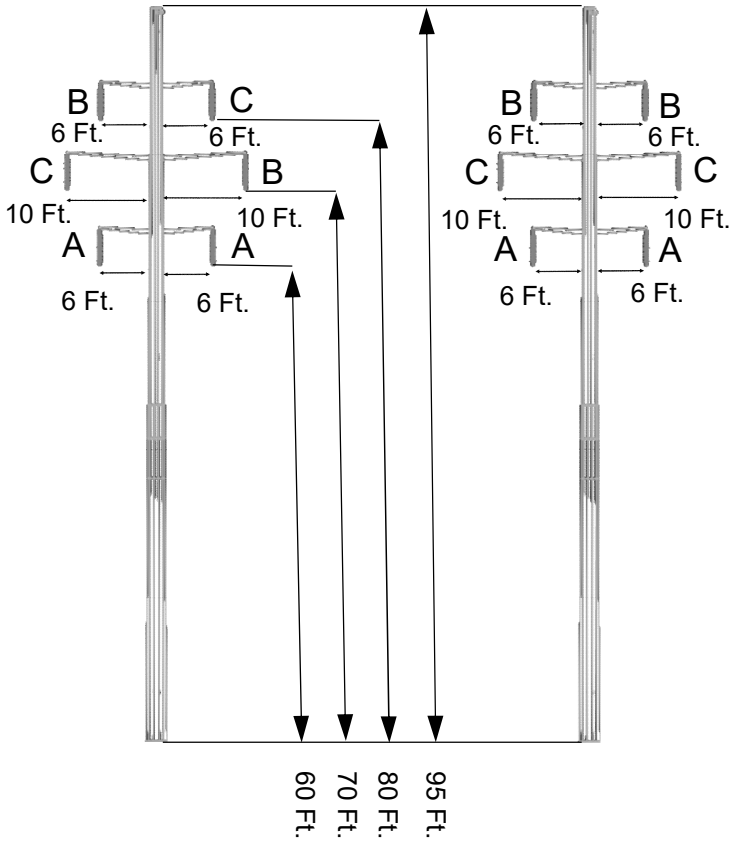
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 95 Ft. Length – 4 Ft.

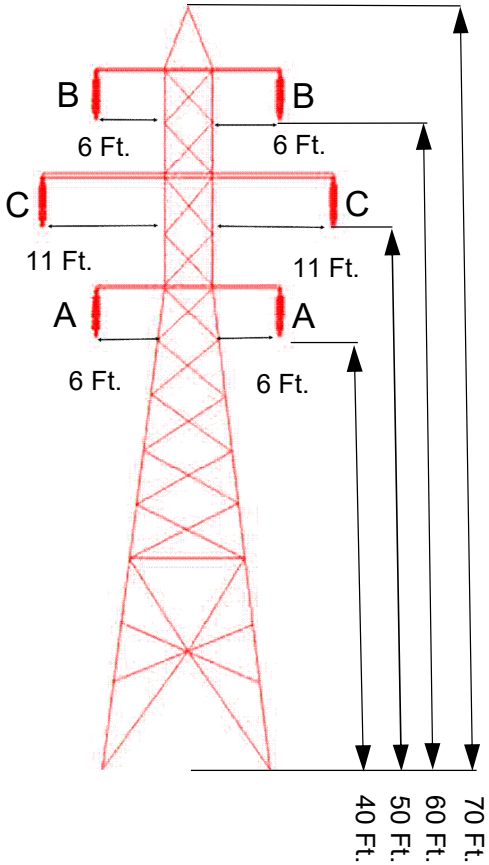
[28] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 7 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Note: The phasing shown is due to the transposition requirements for this section of the line.

Segment 1 Section 4

Figure 8 - Typical Magnetic Field Levels for Segment 1 Section 4 Structure 683 – Structure 912, Str. 768 - 769 at 415 Amps

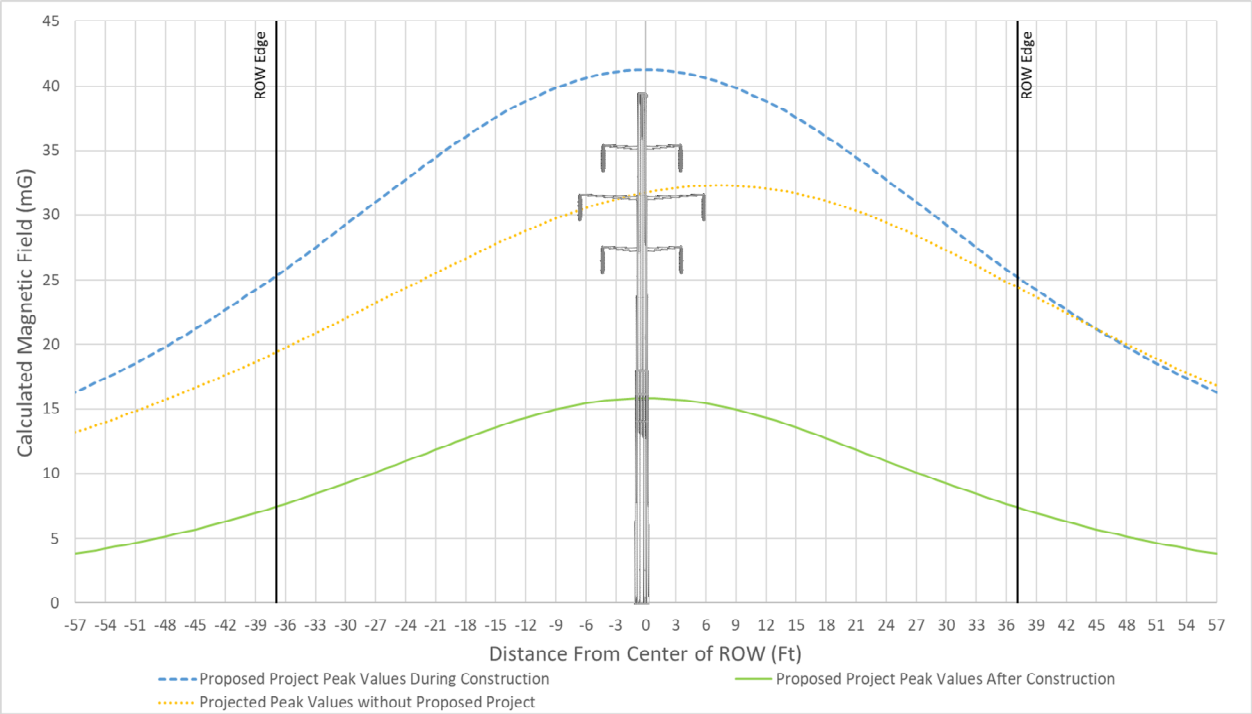


Table 11 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 4 Str. 768 - 769

Design Options	Left Edge (mG)	% Change[29]	Right Edge (mG)	% Change[29]
Projected Peak Values without Proposed Project 115 kV T/L	19.376	N/A	24.466	N/A
Proposed Project Peak Values 115 kV T/L During Construction	25.273	30% Increase	25.273	3% Increase
Proposed Project Peak Values 115 kV T/L After Construction	7.404	62% Decrease	7.404	70% Decrease

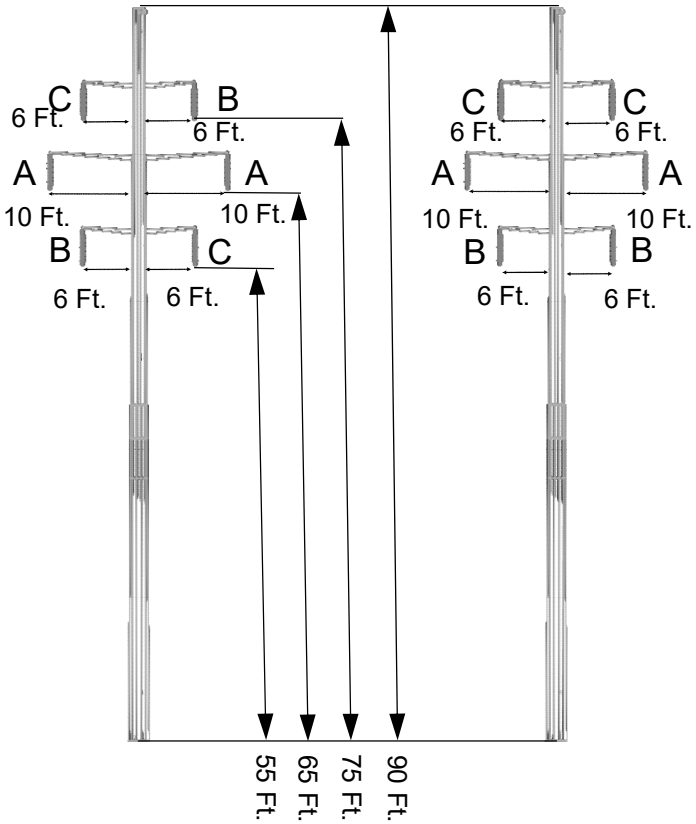
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 90 Ft. Length – 4 Ft.

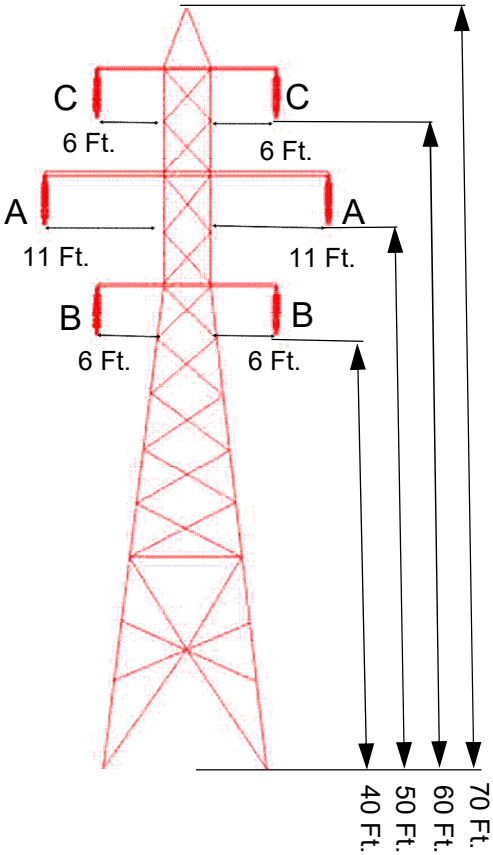
[29] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 9 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Note: The phasing shown is due to the transposition requirements for this section of the line.

Segment 1 Section 5

Figure 10 - Typical Magnetic Field Levels for Segment 1 Section 5 Structure 912 – Inyokern Substation, Str. 957 - 958 at 415 Amps

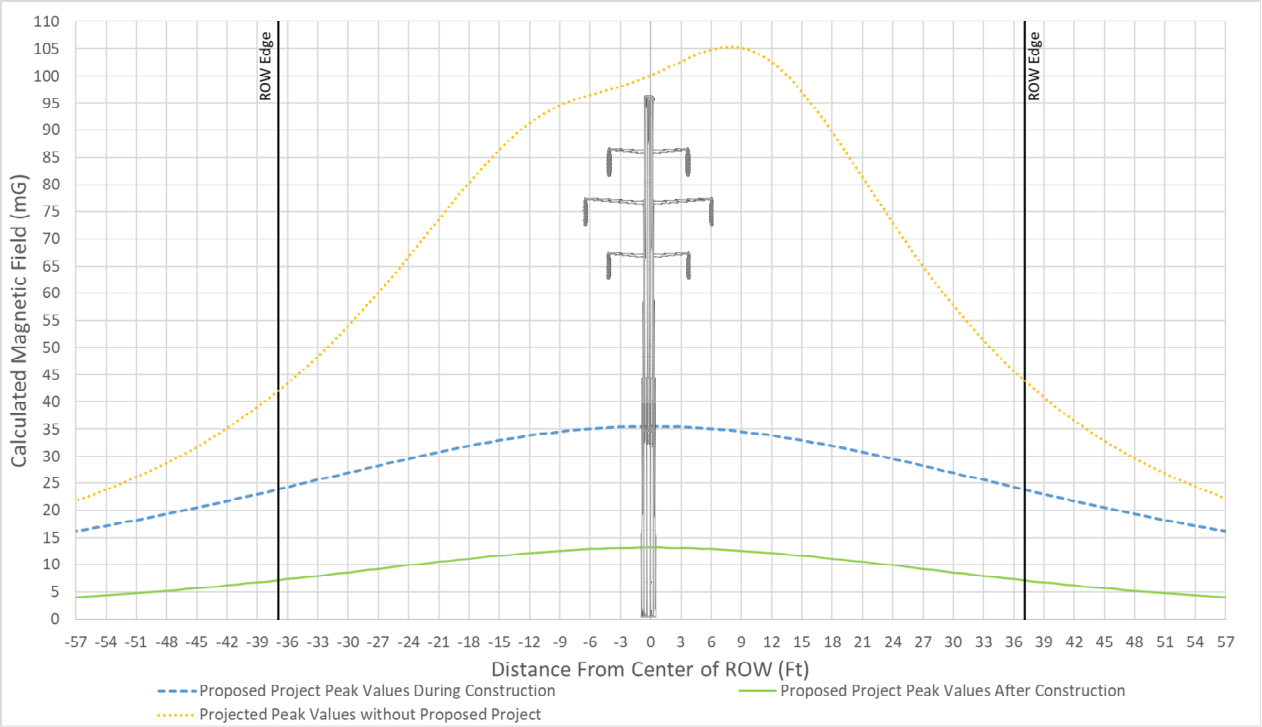


Table 12 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 5 Str. 957 - 959

Design Options	Left Edge (mG)	% Change[30]	Right Edge (mG)	% Change[30]
Projected Peak Values without Proposed Project 115 kV T/L	41.893	N/A	43.987	N/A
Proposed Project Peak Values 115 kV T/L During Construction	23.83	43% Decrease	23.83	46% Decrease
Proposed Project Peak Values 115 kV T/L After Construction	7.088	83% Decrease	7.088	84% Decrease

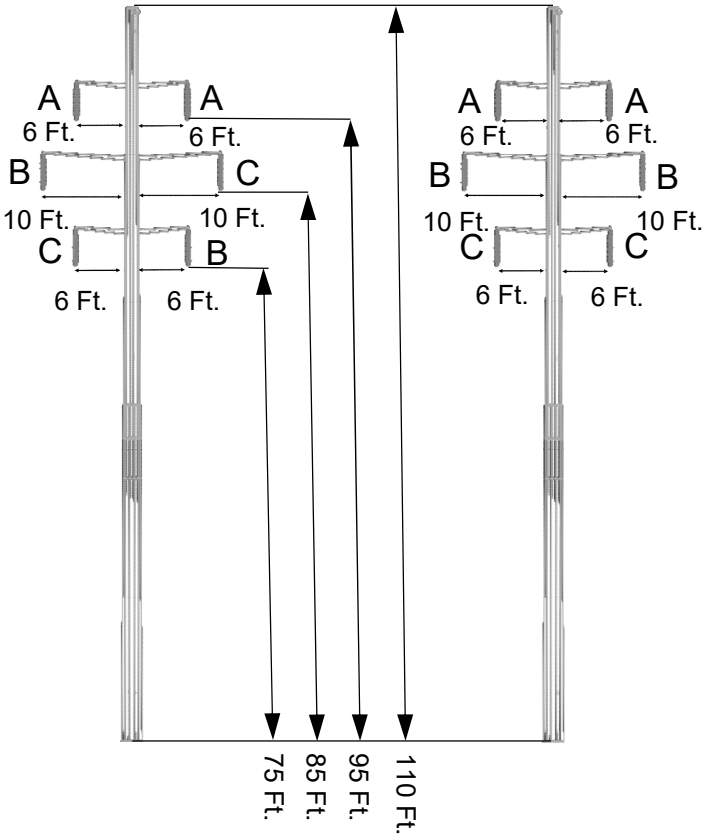
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 85 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 110 Ft. Length – 4 Ft.

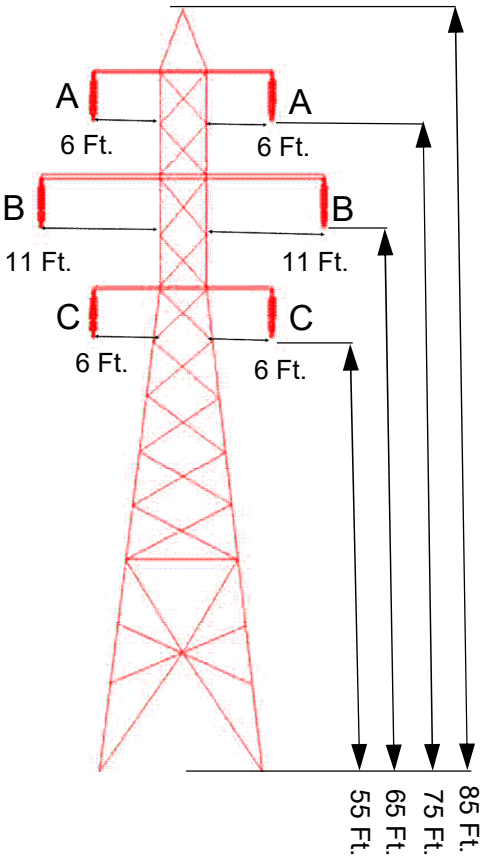
[30] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 11 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale

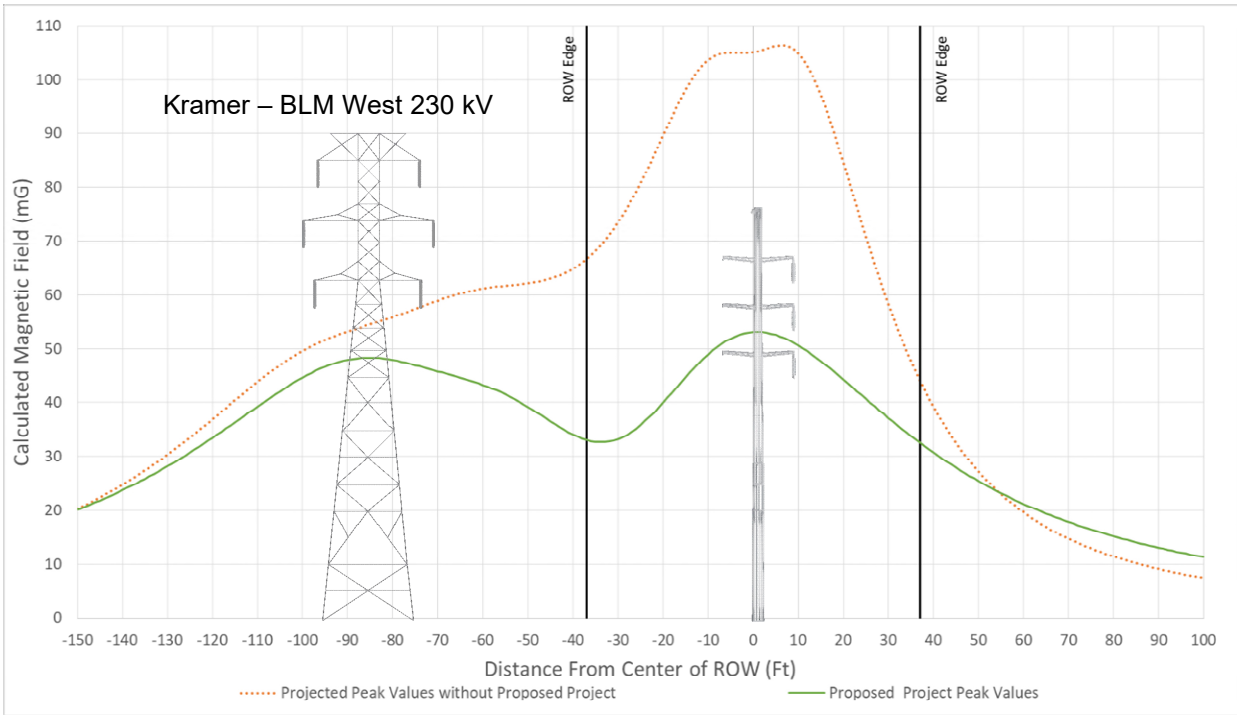


Existing:
Double Circuit - Lattice Tower
Figure not to Scale

Note: The phasing shown is due to the transposition requirements for this section of the line.

Segment 2 Section 1

Figure 12 - Typical Magnetic Field Levels for Segment 2 Section 1 Kramer Substation – Structure 121255, Str. 121257 - 121256 at 830 Amps



Assuming Curlew ACSR conductor, Top-Bottom phasing 0°,120°,240°-0°,120°,240°, and 400 Amps for parallel line.
Graph is extended to show the influence of the parallel line.

Table 13 – Comparison of Magnetic Fields at Edge of ROW for Segment 2 Section 1 Str. 121257 - 121256

Design Options	Left Edge (mG)	% Change[31]	Right Edge (mG)	% Change[31]
Projected Peak Values without Proposed Project 115 kV T/L	66.195	N/A	43.518	N/A
Proposed Project Peak Values 115 kV T/L	32.969	50% Decrease	32.276	26% Decrease

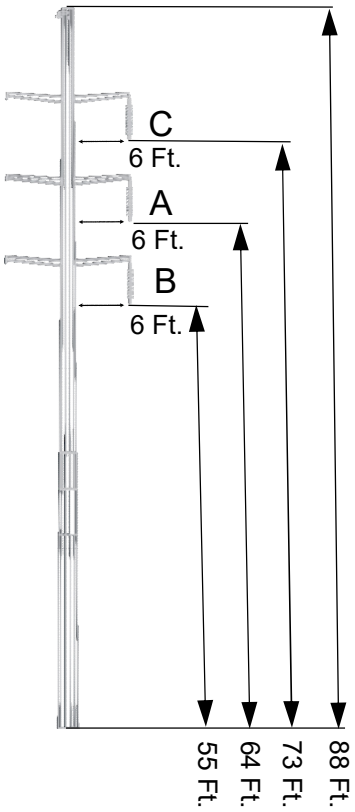
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

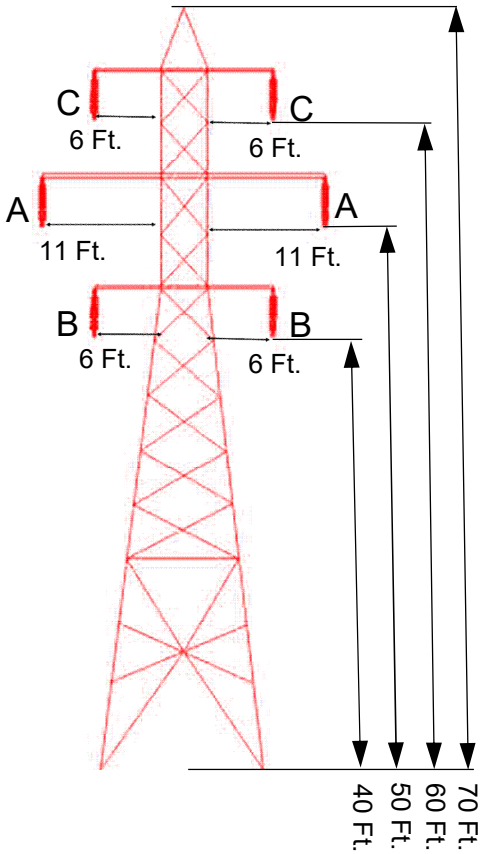
Proposed Construction and Insulator Length
Height – 88 Ft. Length – 4 Ft.

[31] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 13 – Tower and Insulator Dimensions and Phasing



Proposed:
Single Circuit – Monopole
Figure not to Scale



Existing:
Double Circuit - Lattice Tower
Figure not to Scale

Segment 2 Section 2

Figure 14 - Typical Magnetic Field Levels for Segment 2 Section 2 Structure 121255 – Randsburg Substation, Str. 121170 - 121169 at 830 Amps

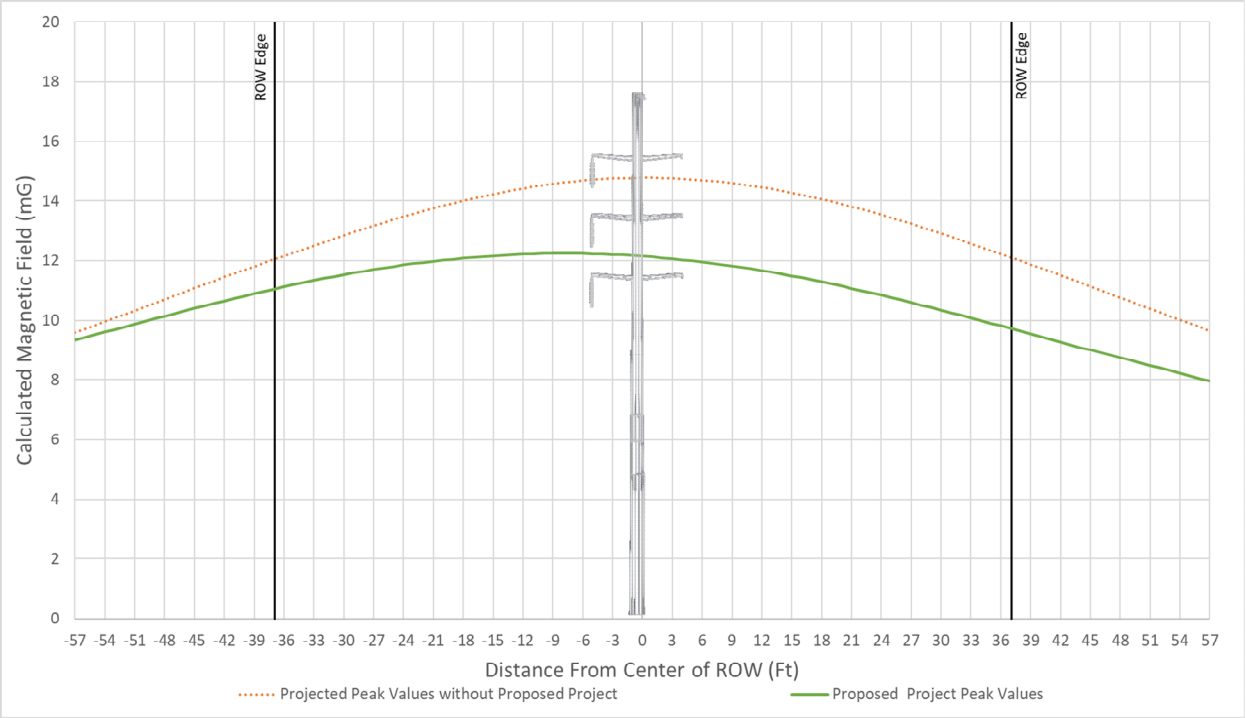


Table 14 – Comparison of Magnetic Fields at Edge of ROW for Segment 2 Section 2 Str. 121170 - 121169

Design Options	Left Edge (mG)	% Change[32]	Right Edge (mG)	% Change[32]
Projected Peak Values without Proposed Project 115 kV T/L	12.046	N/A	12.111	N/A
Proposed Project Peak Values 115 kV T/L	11.04	8% Decrease	9.732	20% Decrease

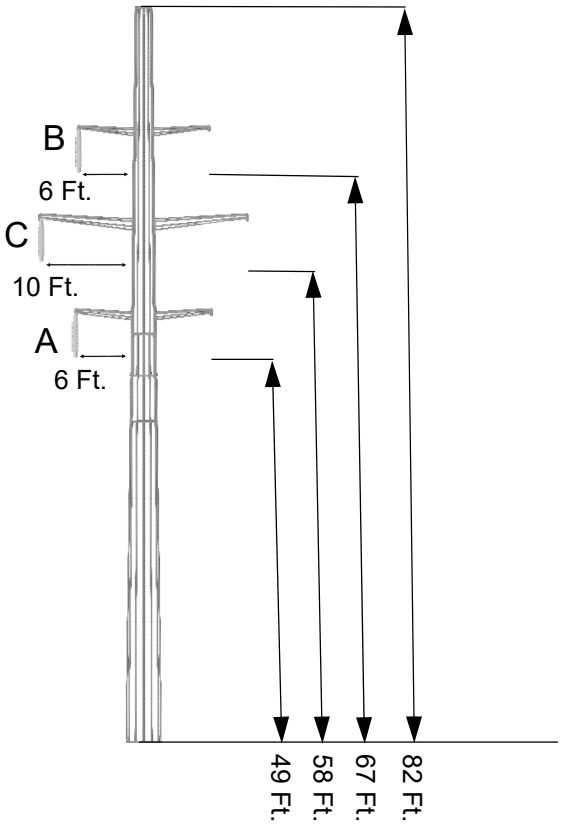
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 71 Ft. Length – 4.5 Ft.

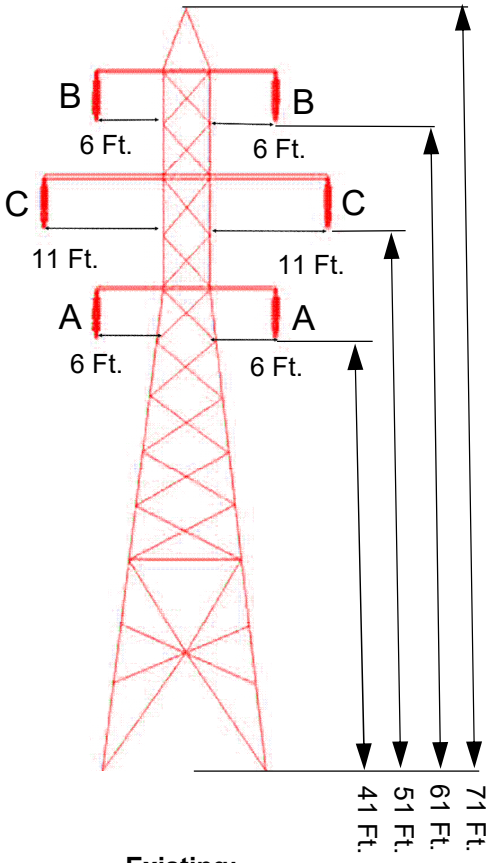
Proposed Construction and Insulator Length
Height – 82 Ft. Length – 4 Ft.

[32] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 15 – Tower and Insulator Dimensions and Phasing



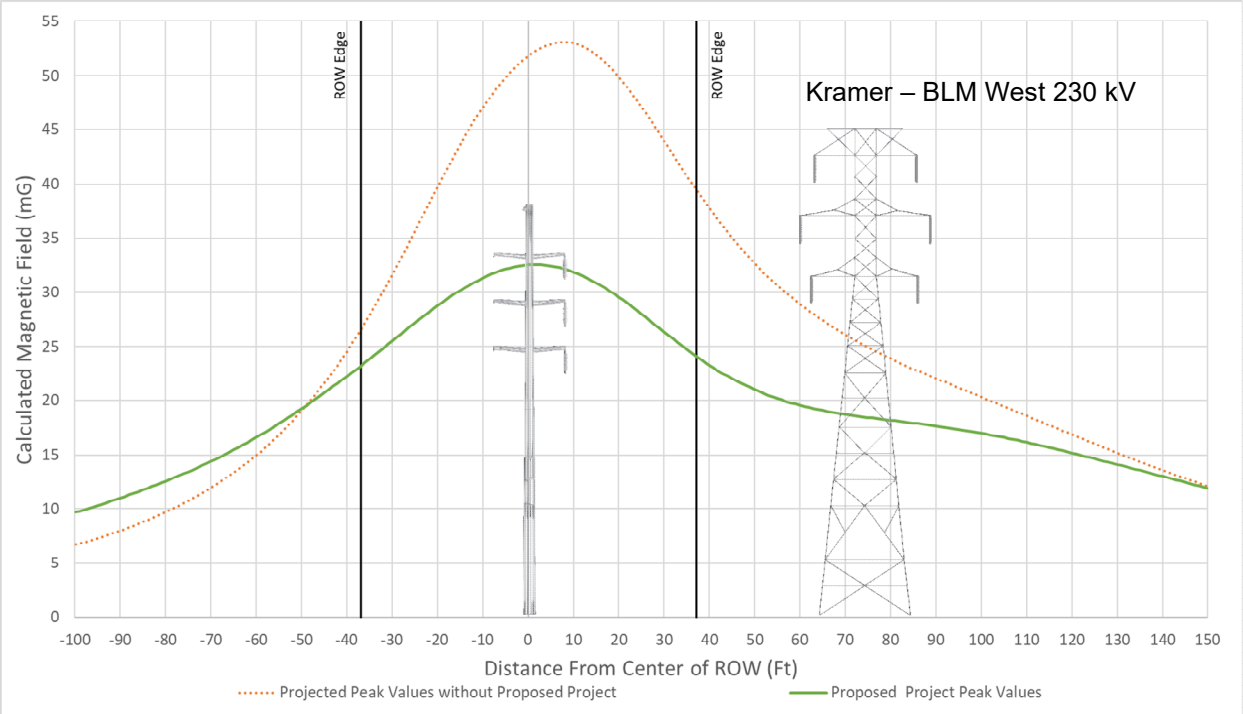
Proposed:
Single Circuit – Monopole
Figure not to Scale



Existing:
Double Circuit - Lattice Tower
Figure not to Scale

Segment 2 Section 3

Figure 16 - Typical Magnetic Field Levels for Segment 2 Section 3 Randsburg Substation – Structure 121042, Str. 121124 - 121123 at 830 Amps



Assuming Curlew ACSR conductor, Top-Bottom phasing 0°,120°,240°-0°,120°,240°, and 400 Amps for parallel line.
Graph is extended to show the influence of the parallel line.

Table 15 – Comparison of Magnetic Fields at Edge of ROW for Segment 2 Section 3 Str. 121124 - 121123

Design Options	Left Edge (mG)	% Change[33]	Right Edge (mG)	% Change[33]
Projected Peak Values without Proposed Project 115 kV T/L	26.491	N/A	39.544	N/A
Proposed Project Peak Values 115 kV T/L	23.198	12% Decrease	24.135	39% Decrease

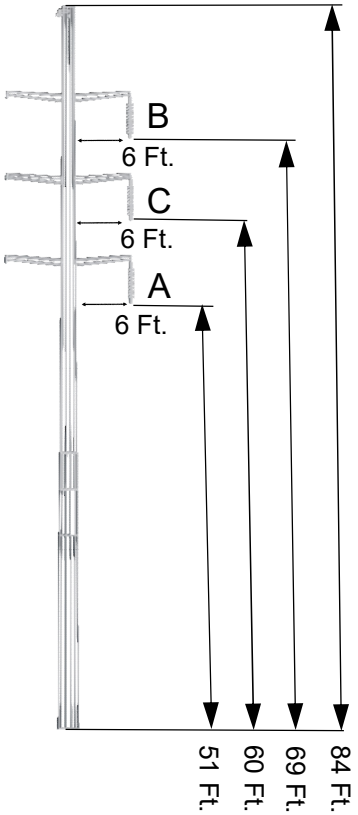
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 69 Ft. Length – 4.5 Ft.

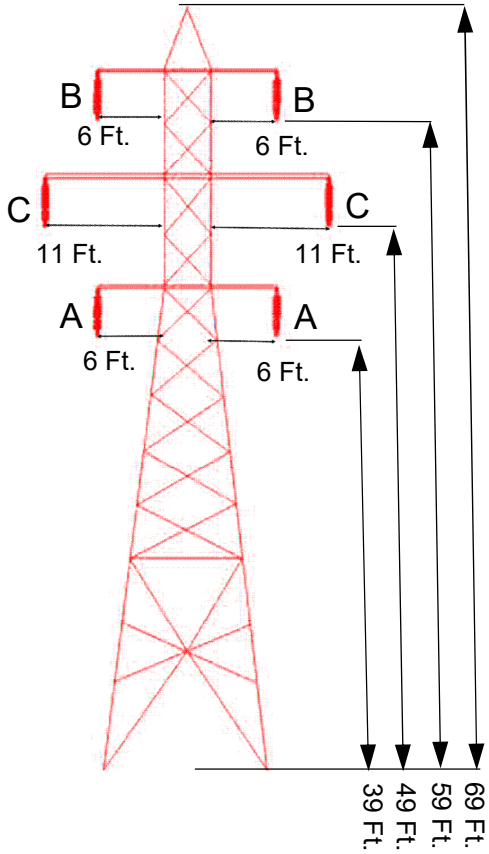
Proposed Construction and Insulator Length
Height – 84 Ft. Length – 4 Ft.

[33] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 17 – Tower and Insulator Dimensions and Phasing



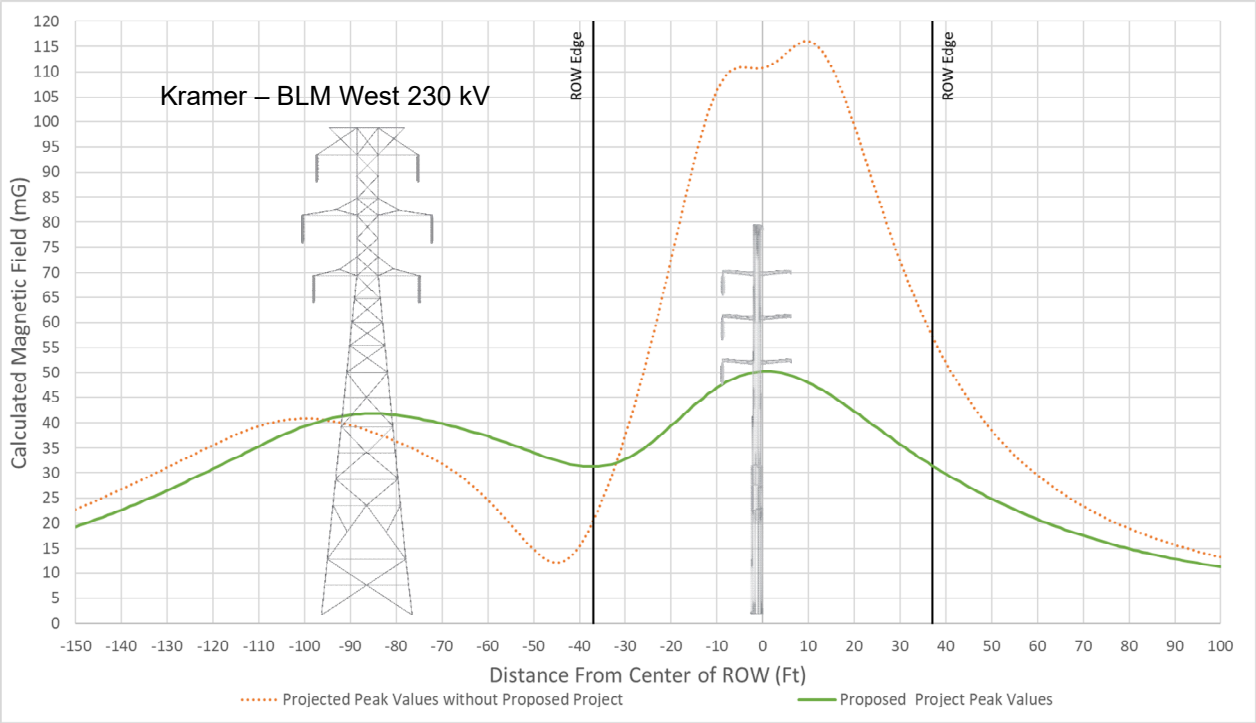
Proposed:
Single Circuit – Monopole
Figure not to Scale



Existing:
Double Circuit - Lattice Tower
Figure not to Scale

Segment 2 Section 4

Figure 18 - Typical Magnetic Field Levels for Segment 2 Section 4 Structure 121042 – Inyokern Substation, Str. 120997 - 120996 at 830 Amps



Assuming Curlew ACSR conductor, Top-Bottom phasing 0°,120°,240°-0°,120°,240°, and 400 Amps for parallel line.
Graph is extended to show the influence of the parallel line.

Table 16 – Comparison of Magnetic Fields at Edge of ROW for Segment 2 Section 4 Str. 120997 - 120996

Design Options	Left Edge (mG)	% Change[34]	Right Edge (mG)	% Change[34]
Projected Peak Values without Proposed Project 115 kV T/L	20.457	N/A	57.275	N/A
Proposed Project Peak Values 115 kV T/L	31.256	53% Increase	31.491	45% Decrease

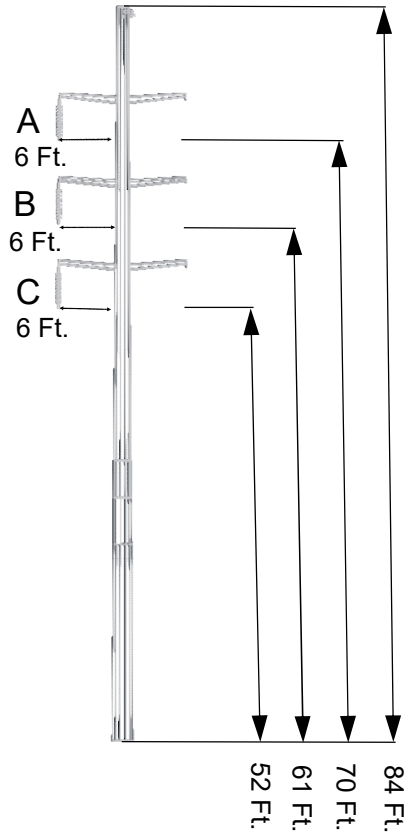
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

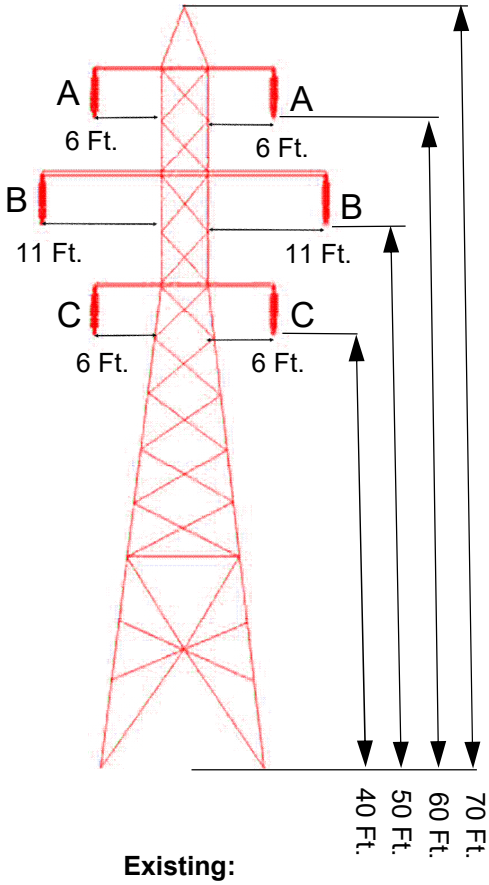
Proposed Construction and Insulator Length
Height – 84 Ft. Length – 4 Ft.

[34] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 19 – Tower and Insulator Dimensions and Phasing



Proposed:
Single Circuit – Monopole
Figure not to Scale

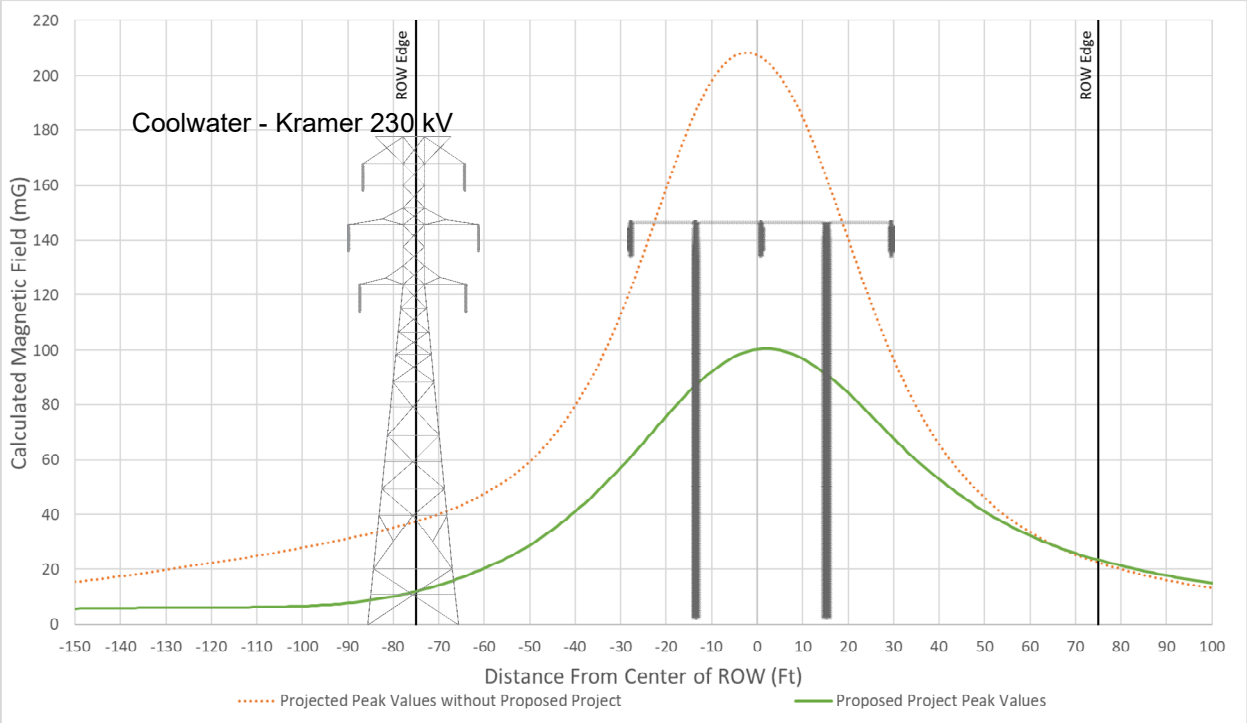


Existing:
Double Circuit - Lattice Tower
Figure not to Scale

Segment 3N

Figure 20 - Typical Magnetic Field Levels for Segment 3N Kramer Substation – Coolwater Substation, Str. 2012 (N1561186E_S1561185E) - 2013 (N4457229E_S4457230E) at 950 Amps

(Structure numbers are between brackets while the four digit numbers are the construction numbers)



Assuming Drake ACSR conductor, Top-Bottom phasing 0°,120°,240°-0°,120°,240°, and 400 Amps for the parallel line.
Graph is extended to show the influence of the parallel line.

Table 17 – Comparison of Magnetic Fields at Edge of ROW for Segment 3N Str. N1561186E_S1561185E- N4457229E_S4457230E

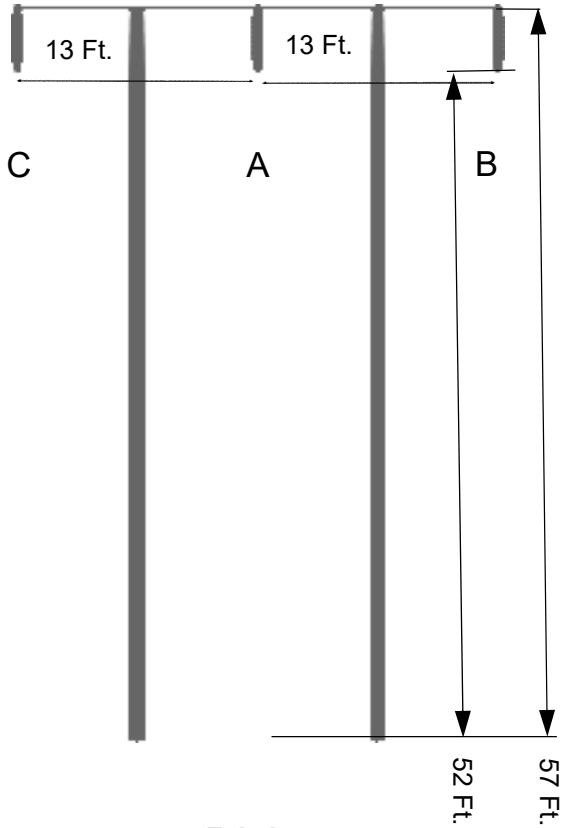
Design Options	Left Edge (mG)	% Change[35]	Right Edge (mG)	% Change[35]
Projected Peak Values without Proposed Project 115 kV T/L	37.534	N/A	23.066	N/A
Proposed Project Peak Values 115 kV T/L	12.017	68% Decrease	24.004	4% Increase

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 57 Ft. Length – 4.5 Ft.

[35] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 21 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 3S Section 1

Figure 22 - Typical Magnetic Field Levels for Segment 3S Section 1 Kramer Substation – Tortilla Substation, Str. 3166 (NA560144AE_SA560144BE) - 3167 (NA560143AE_SA560143BE) at 975 Amps

(Structure numbers are between brackets while the four digit numbers are the construction numbers)

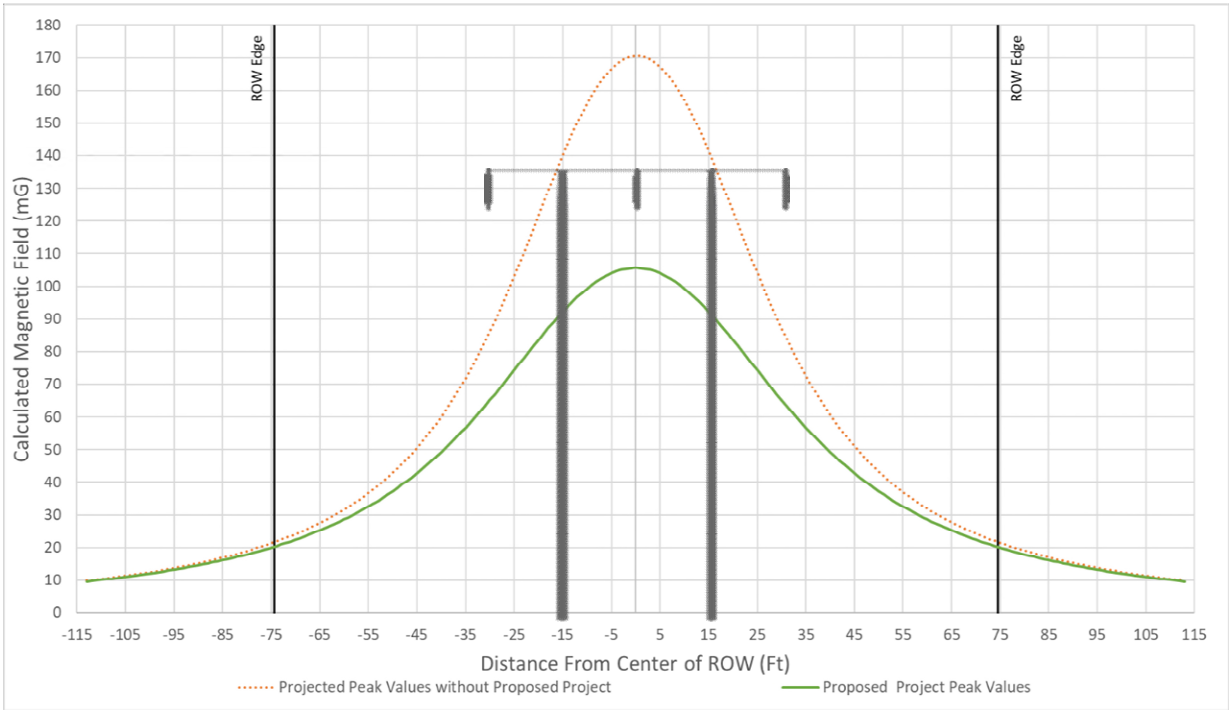


Table 18 – Comparison of Magnetic Fields at Edge of ROW for Segment 3S Section 1 Str. NA560144AE_SA560144BE - NA560143AE_SA560143BE

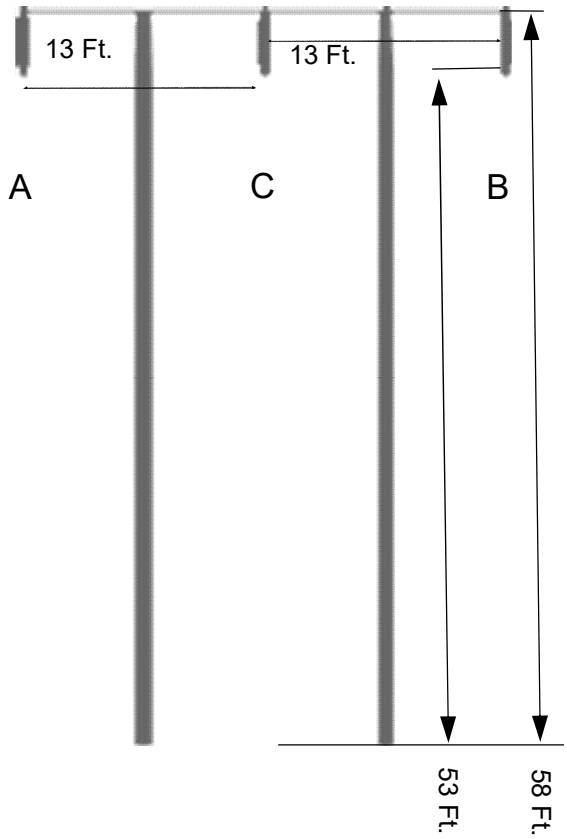
Design Options	Left Edge (mG)	% Change[36]	Right Edge (mG)	% Change[36]
Projected Peak Values without Proposed Project 115 kV T/L	21.338	N/A	21.998	N/A
Proposed Project Peak Values 115 kV T/L	20.003	6% Decrease	20.457	7% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 58 Ft. Length – 4.5 Ft.

[36] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 23 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 3S Section 2

Figure 24 - Typical Magnetic Field Levels for Segment 3S Section 2 Tortilla Substation – Coolwater Substation, Str 3236 - 3237 (1811388E - 1811383E) at 975 Amps

(Structure numbers are between brackets while the four digit numbers are the construction numbers)

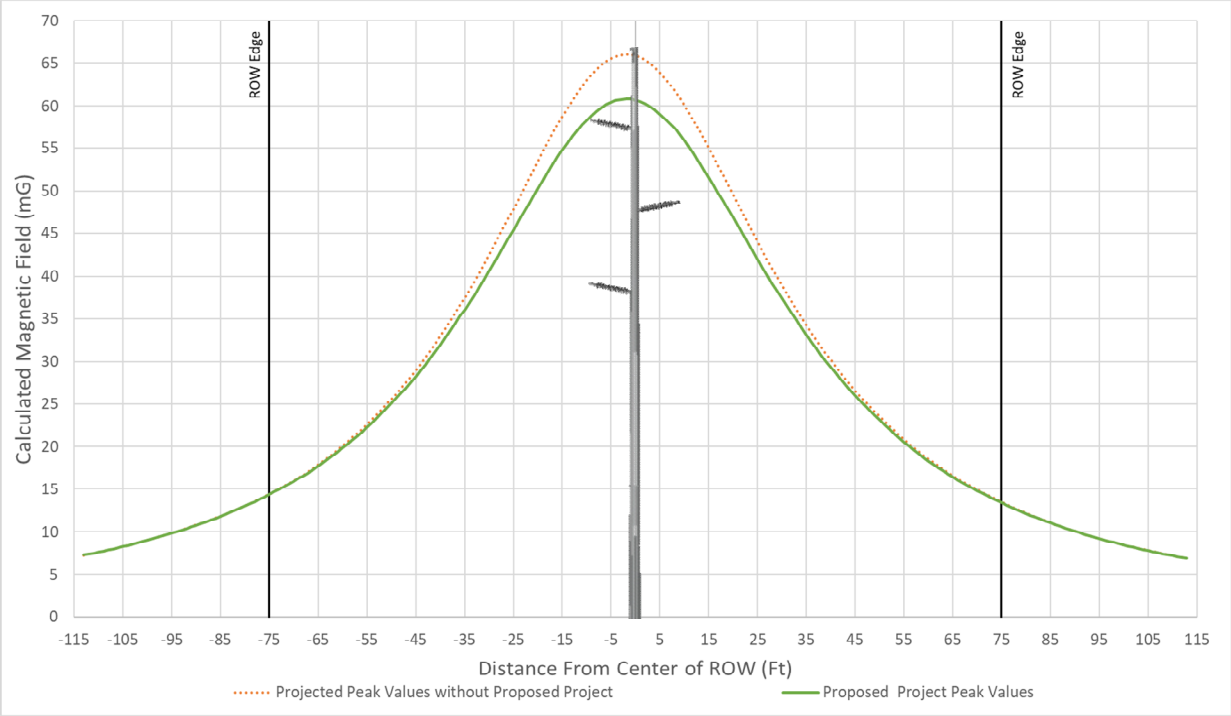


Table 19 – Comparison of Magnetic Fields at Edge of ROW for Segment 3S Section 2 Str. 3235 - 3236

Design Options	Left Edge (mG)	% Change[37]	Right Edge (mG)	% Change[37]
Projected Peak Values without Proposed Project 115 kV T/L	14.418	N/A	13.741	N/A
Proposed Project Peak Values 115 kV T/L	14.37	0% Decrease	13.655	1% Decrease

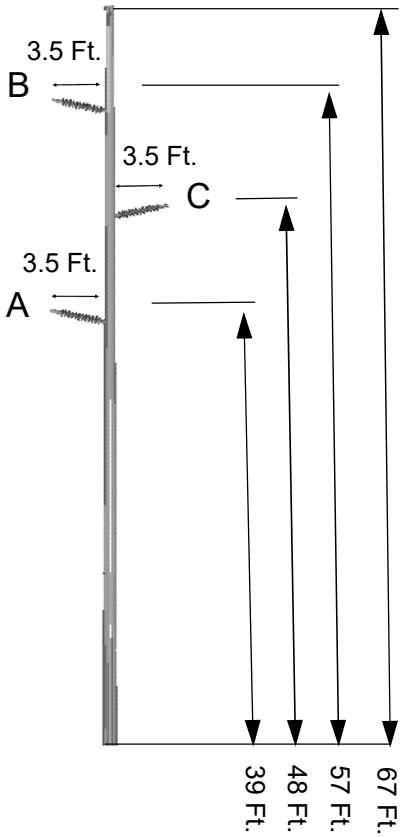
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 67 Ft. Length – 3.5 Ft.

Note: Typical structures in this section are H-Frames, and monopoles are used near the Tortilla Substation. The span next to the substation has the lowest mid-span, therefore this span was used in EMF calculations.

[37] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 25 – Tower and Insulator Dimensions and Phasing

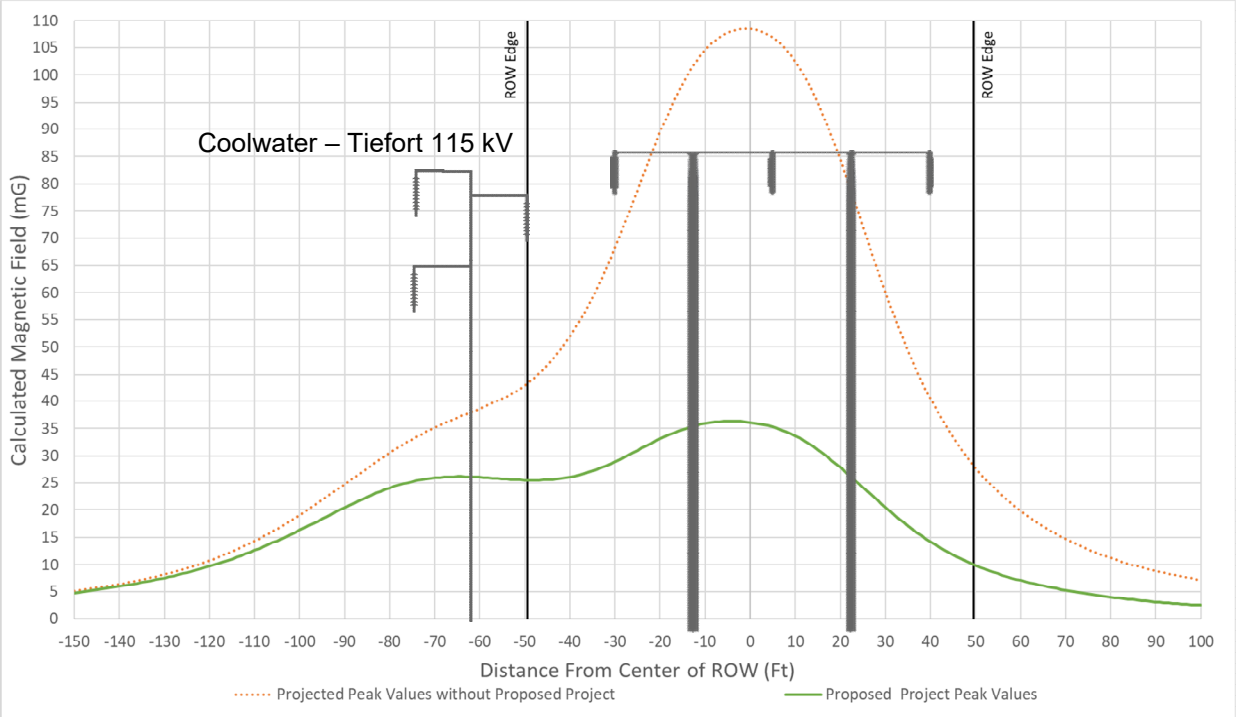


Existing:
Single Circuit - Monopole
Figure not to Scale

Note: Typical structures in this section are H-Frames, and monopoles are used near the Tortilla Substation. The span next to the substation has the lowest mid-span, therefore this span was used in EMF calculations.

Segment 4 Section 1

Figure 26 - Typical Magnetic Field Levels for Segment 4 Section 1 Coolwater Substation – Structure 128574, Str. 128568 - 128569 at 165 Amps



Assuming Partridge ACSR conductor, Top-Bottom phasing 0°,120°,240° and 400 Amps for parallel line. Graph is extended to show the influence of the parallel line.

Table 20 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 1 Str. 128568 - 128569

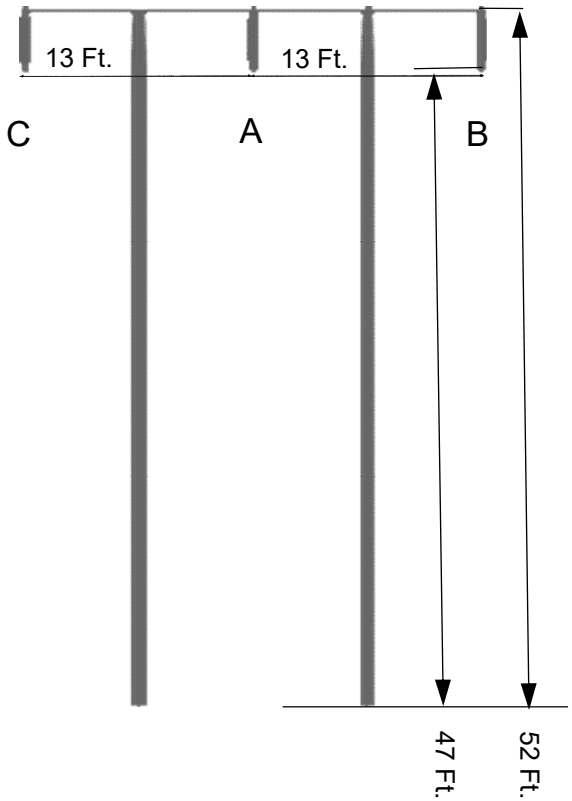
Design Options	Left Edge (mG)	% Change[38]	Right Edge (mG)	% Change[38]
Projected Peak Values without Proposed Project 115 kV T/L	43.026	N/A	28.842	N/A
Proposed Project Peak Values 115 kV T/L	25.581	41% Decrease	10.244	64% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[38] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 27 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 2

Figure 28 - Typical Magnetic Field Levels for Segment 4 Section 2 Structure 128574 – Structure 128595, Str. 128585 - 128586 at 165 Amps

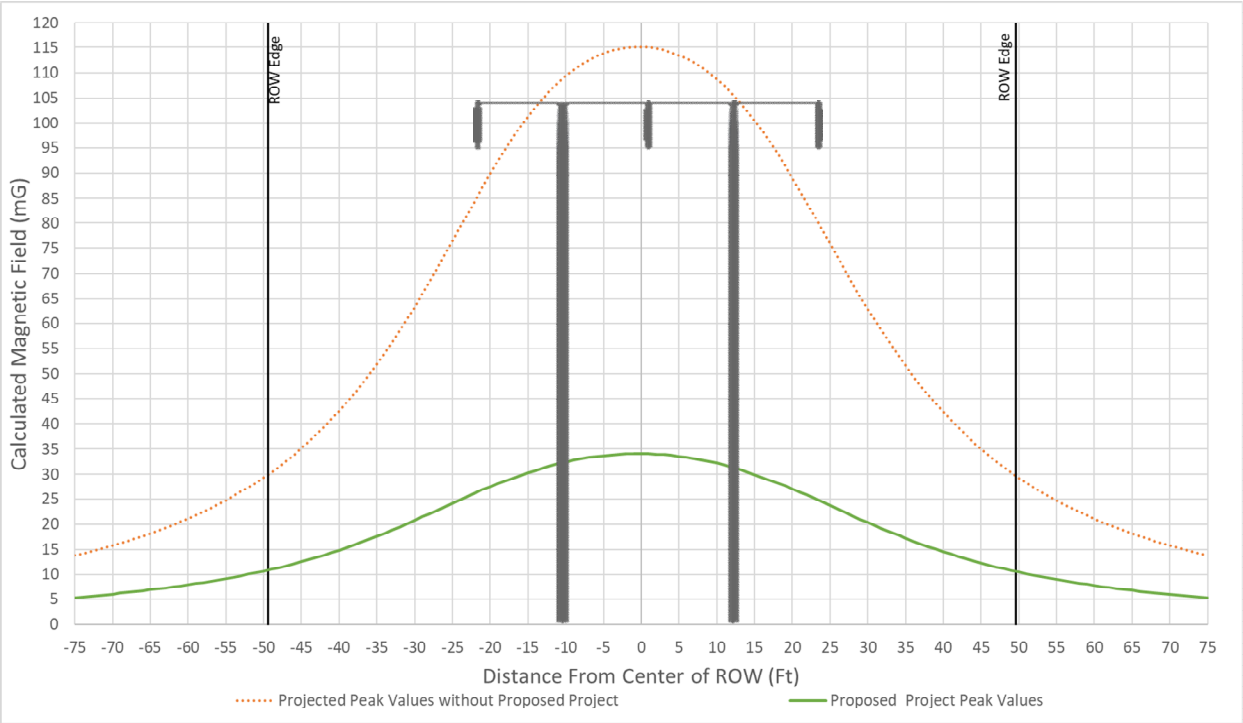


Table 21 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 2 Str. 128585 - 128586

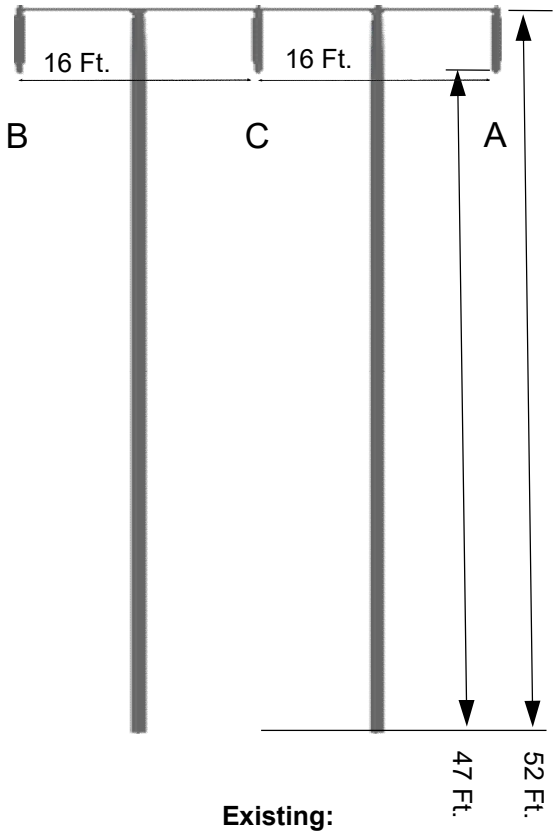
Design Options	Left Edge (mG)	% Change[39]	Right Edge (mG)	% Change[39]
Projected Peak Values without Proposed Project 115 kV T/L	29.316	N/A	30.282	N/A
Proposed Project Peak Values 115 kV T/L	10.71	63% Decrease	10.838	64% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[39] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 29 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 3

Figure 30 - Typical Magnetic Field Levels for Segment 4 Section 3 Structure 128595 – Structure 128638, Str. 128614-128615 at 165 Amps

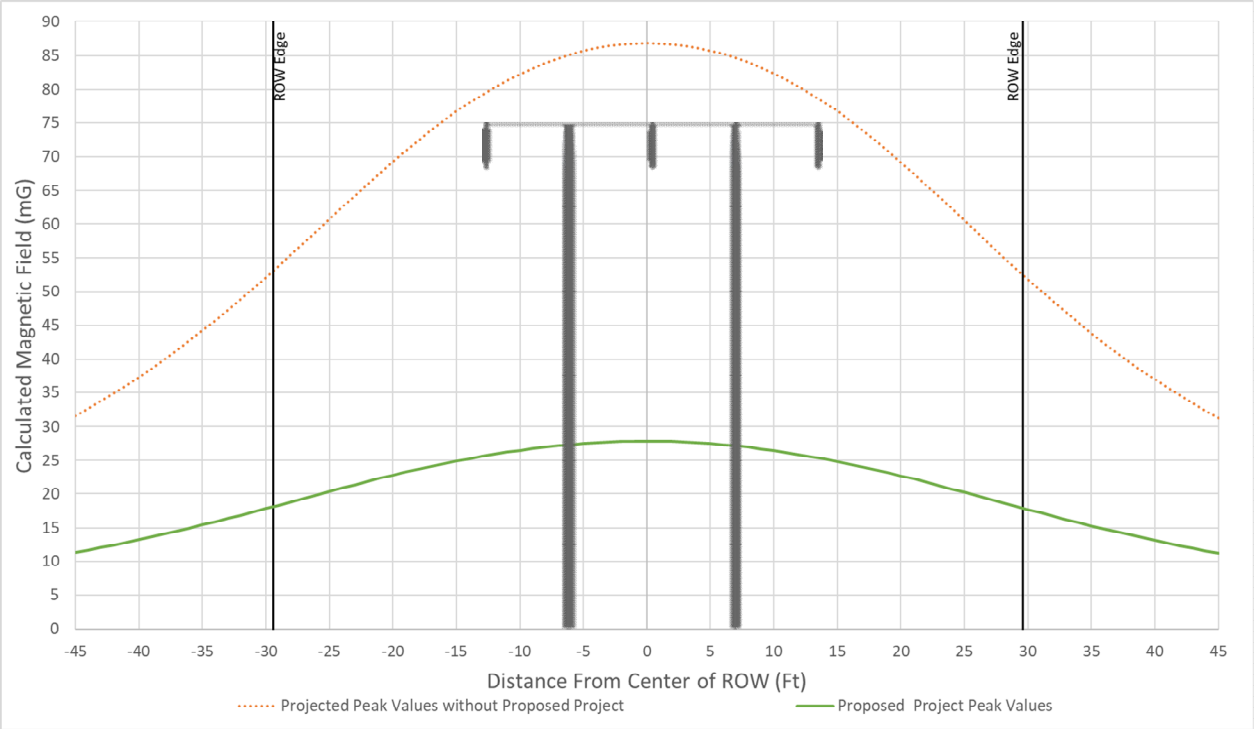


Table 22 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 3 Str. 128614-128615

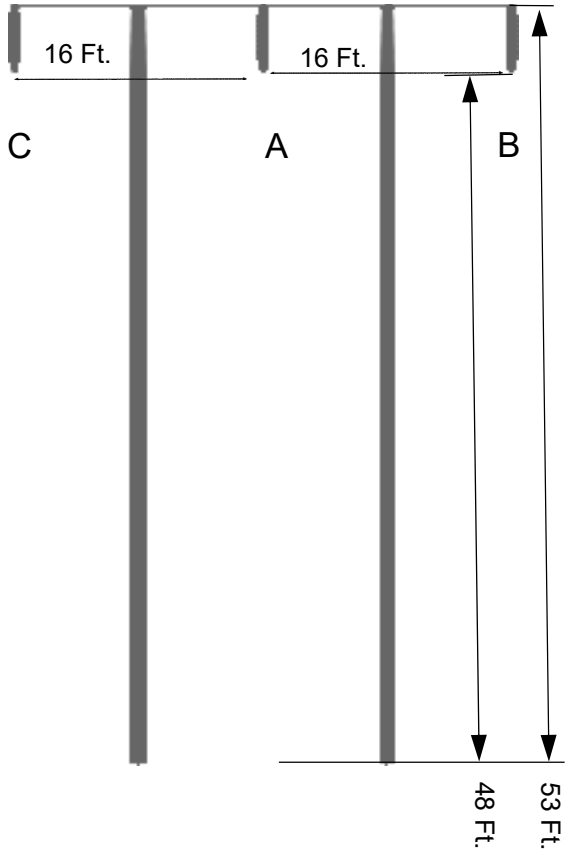
Design Options	Left Edge (mG)	% Change[40]	Right Edge (mG)	% Change[40]
Projected Peak Values without Proposed Project 115 kV T/L	52.149	N/A	53.513	N/A
Proposed Project Peak Values 115 kV T/L	17.825	66% Decrease	18.188	66% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 53 Ft. Length – 4.5 Ft.

[40] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 31 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 4

Figure 32 - Typical Magnetic Field Levels for Segment 4 Section 4 Structure 128638 – Structure 128660, Str. 128645 - 128646 at 165 Amps

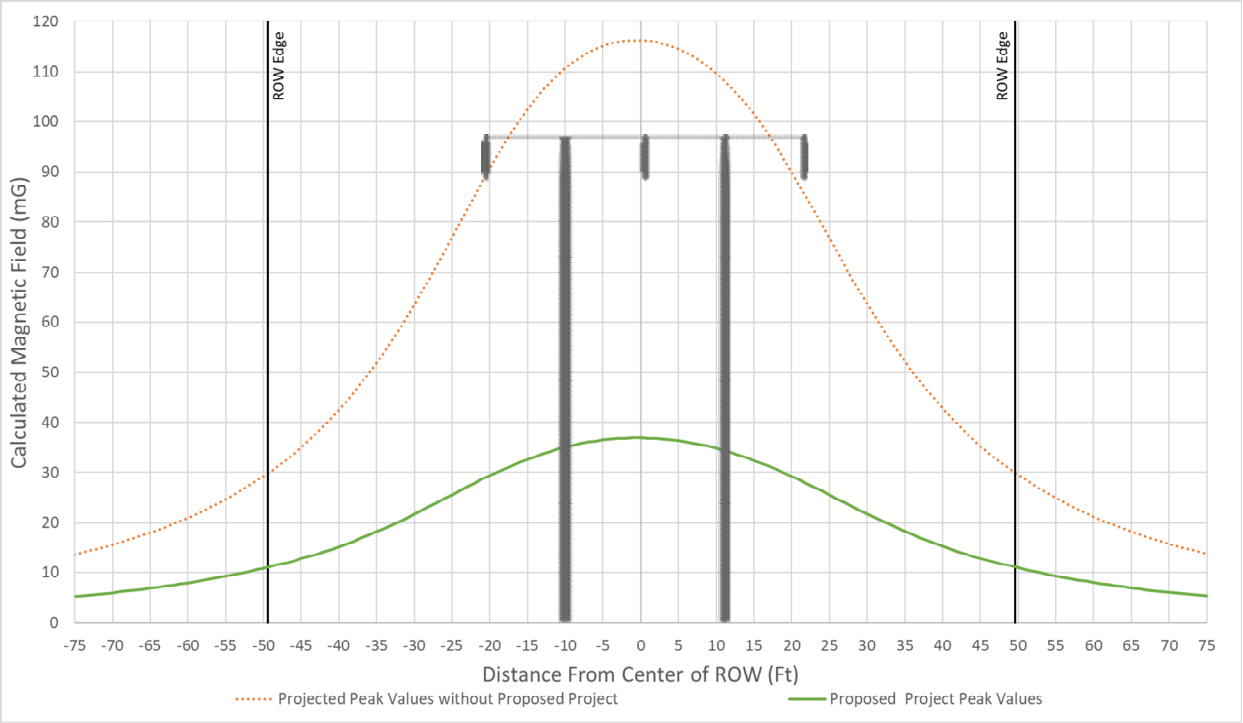


Table 23 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 4 Str. 128645 - 128646

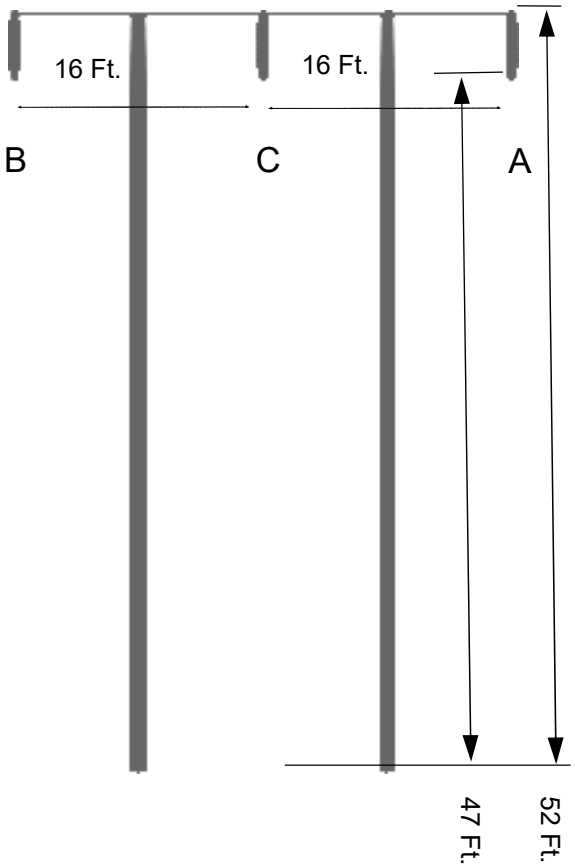
Design Options	Left Edge (mG)	% Change[41]	Right Edge (mG)	% Change[41]
Projected Peak Values without Proposed Project 115 kV T/L	43.919	N/A	46.016	N/A
Proposed Project Peak Values 115 kV T/L	15.081	66% Decrease	15.571	66% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[41] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 33 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 5

Figure 34 - Typical Magnetic Field Levels for Segment 4 Section 5 Structure 128660 – Structure 128699, Str. 128684 - 128685 at 165 Amps

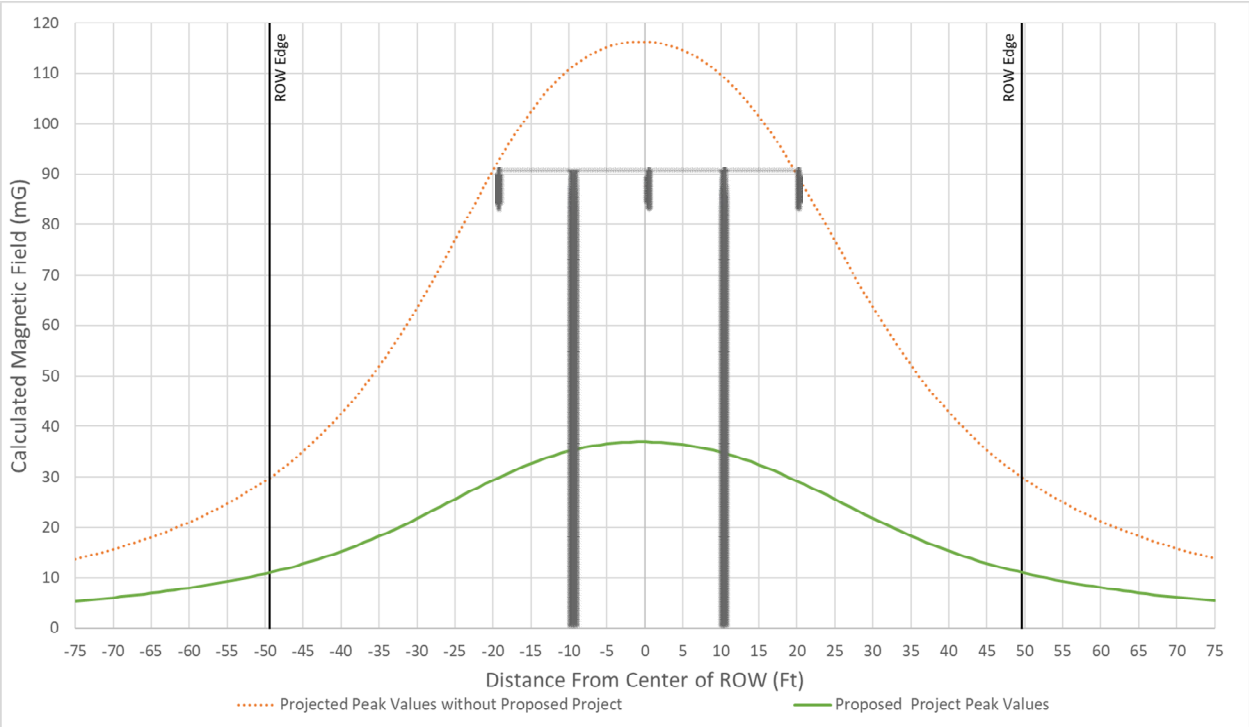


Table 24 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 5 Str. 128684 - 128685

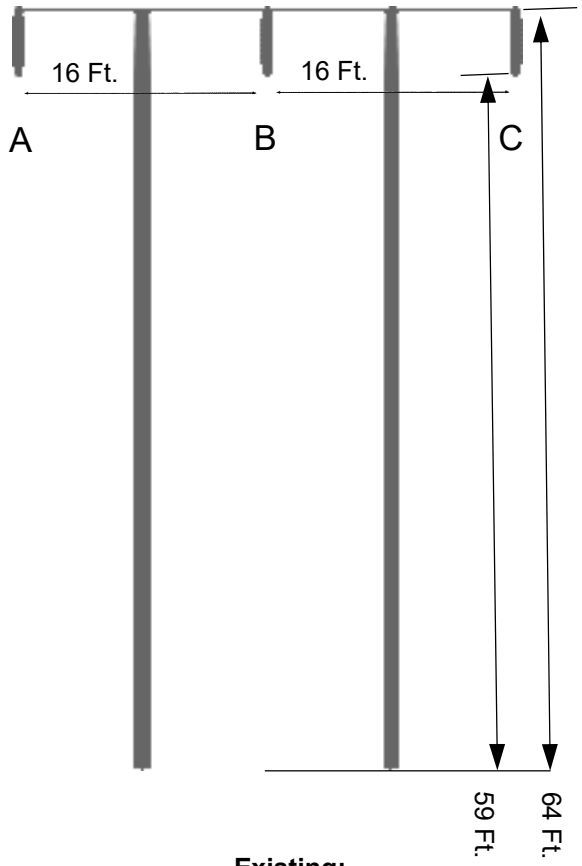
Design Options	Left Edge (mG)	% Change[42]	Right Edge (mG)	% Change[42]
Projected Peak Values without Proposed Project 115 kV T/L	29.207	N/A	30.559	N/A
Proposed Project Peak Values 115 kV T/L	10.843	63% Decrease	11.301	63% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 64 Ft. Length – 4.5 Ft.

[42] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 35 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 6

Figure 36 - Typical Magnetic Field Levels for Segment 4 Section 6 Structure 128699 – Structure 128716, Str. 128712 -128713 at 165 Amps

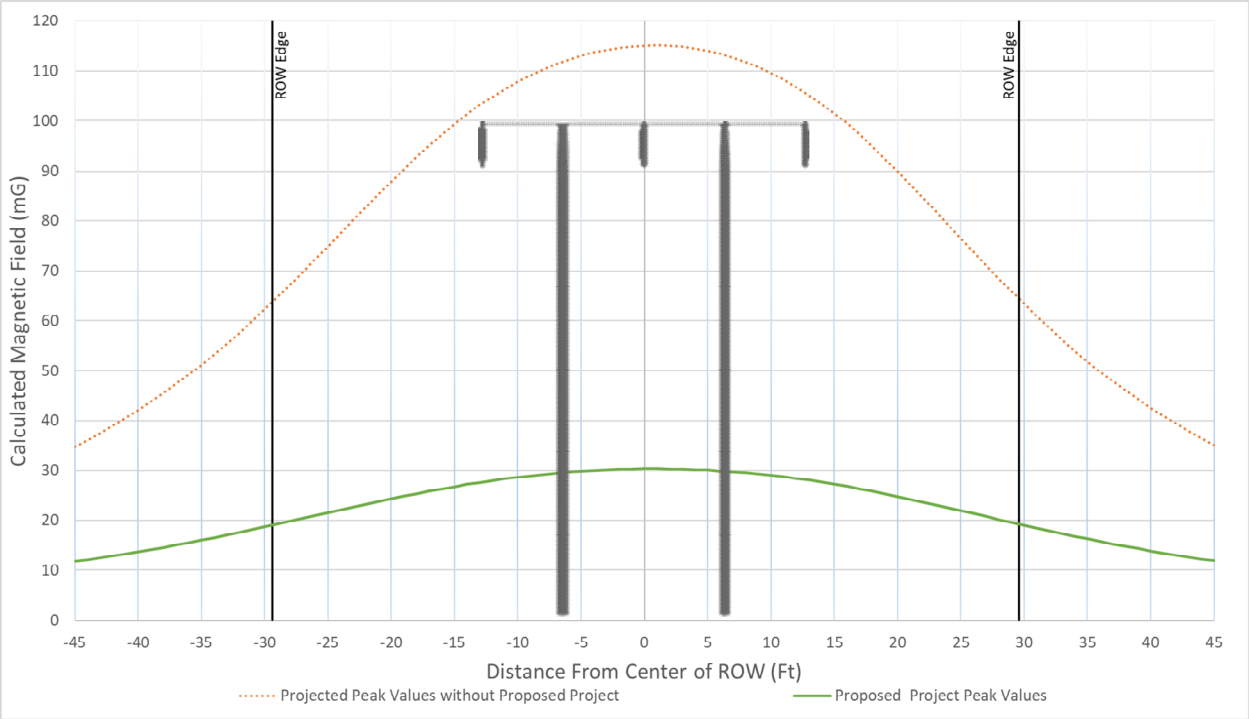


Table 25 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 6 Str. 128712 -128713

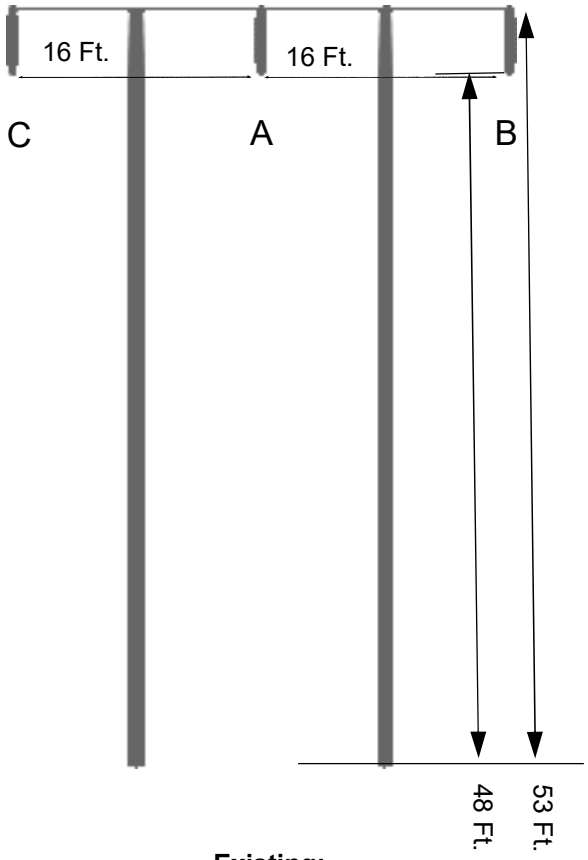
Design Options	Left Edge (mG)	% Change[43]	Right Edge (mG)	% Change[43]
Projected Peak Values without Proposed Project 115 kV T/L	62.237	N/A	65.846	N/A
Proposed Project Peak Values 115 kV T/L	18.716	70% Decrease	19.642	70% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height –53 Ft. Length – 4.5 Ft.

[43] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 37 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 7

Figure 38 - Typical Magnetic Field Levels for Segment 4 Section 7 Structure 128716 – Dunn Siding Substation, Str. 128730 - 128731 at 165 Amps

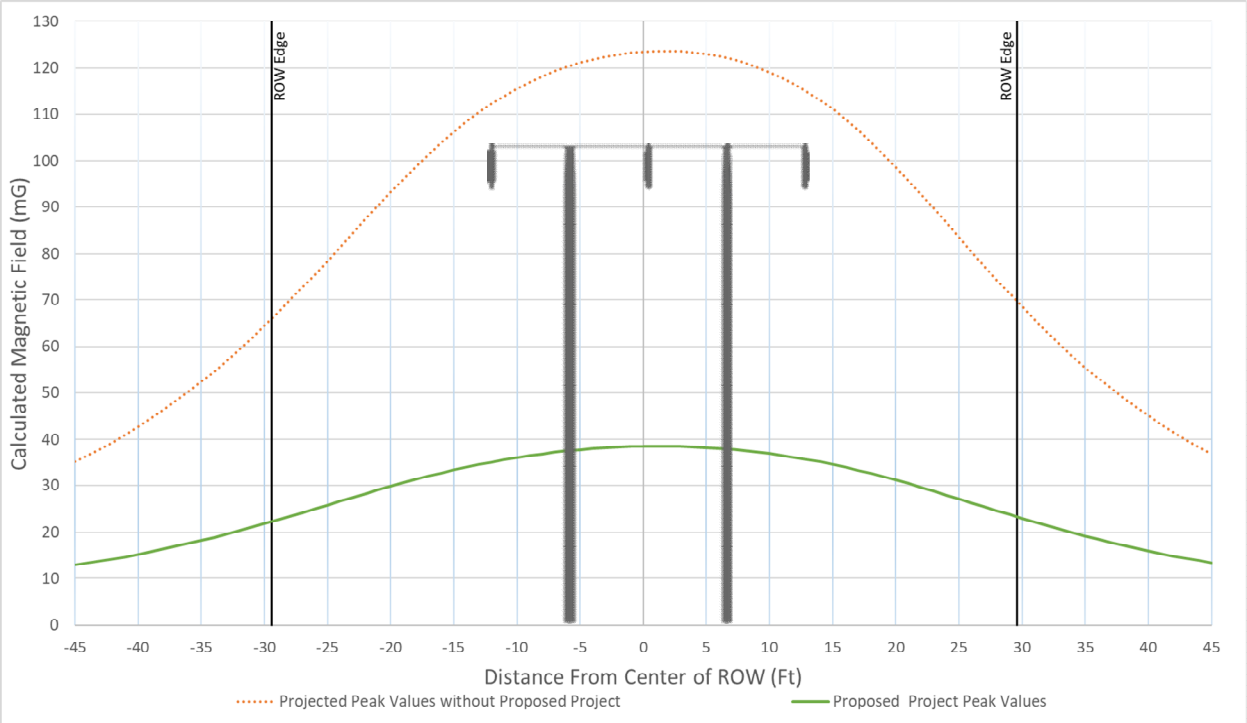


Table 26 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 7 Str. 128730 - 128731

Design Options	Left Edge (mG)	% Change[44]	Right Edge (mG)	% Change[44]
Projected Peak Values without Proposed Project 115 kV T/L	64.45	N/A	71.411	N/A
Proposed Project Peak Values 115 kV T/L	21.864	66% Decrease	23.818	67% Decrease

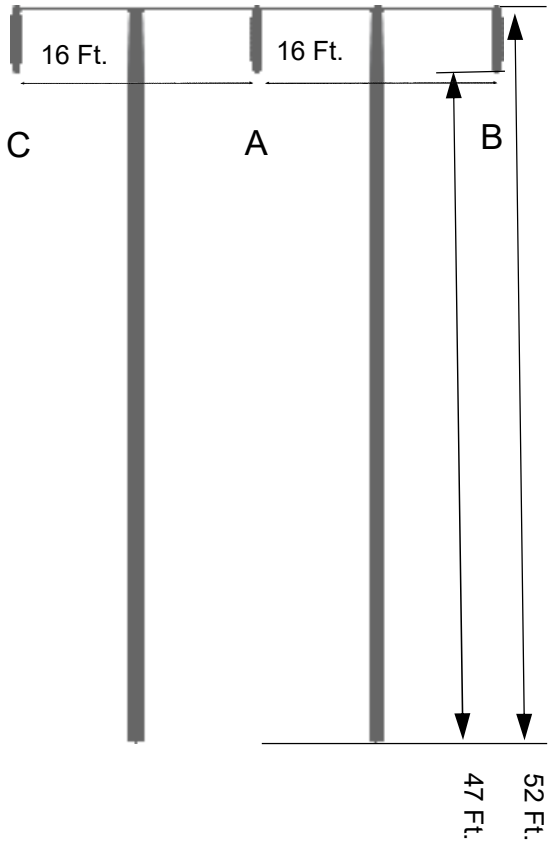
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

*Projected Peak Values without Proposed Project use Non-Derated Amps Value 260 A.

[44] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 39 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 8

Figure 40 - Typical Magnetic Field Levels for Segment 4 Section 8 Dunn Siding Substation – Structure 128753, Str. 128745 - 128746 at 150 Amps

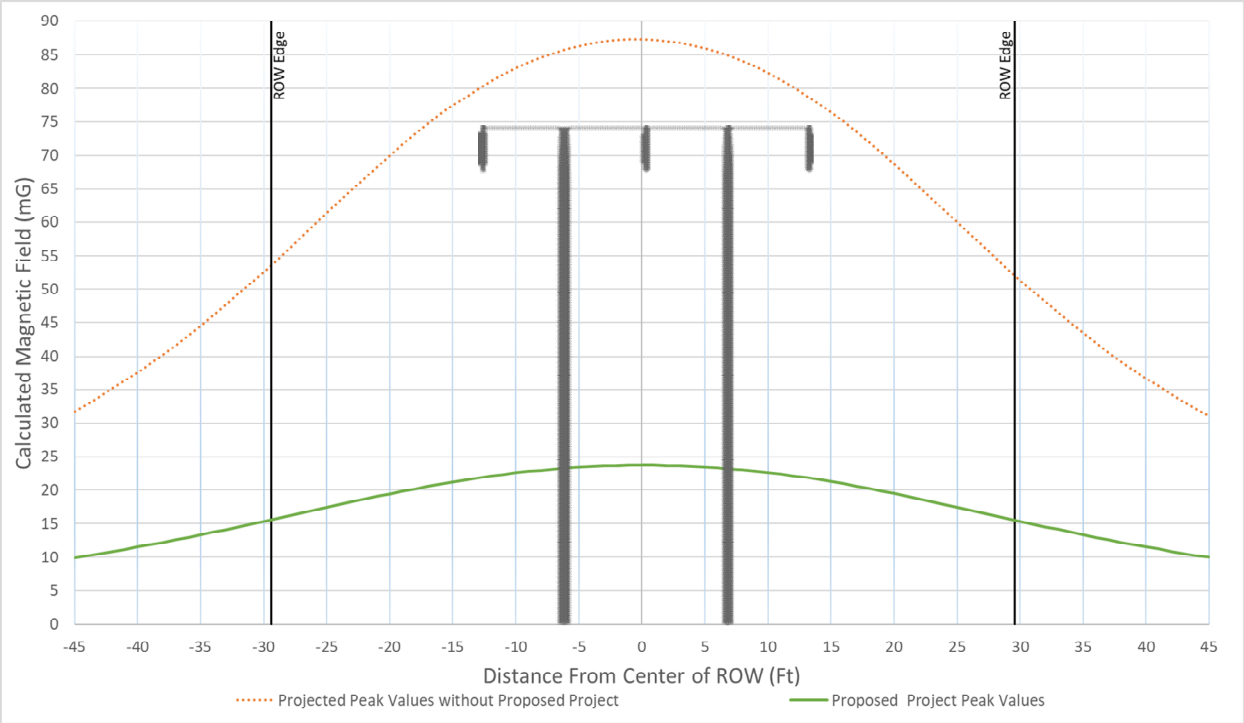


Table 27 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 8 Str. 128745 - 128746

Design Options	Left Edge (mG)	% Change[45]	Right Edge (mG)	% Change[45]
Projected Peak Values without Proposed Project 115 kV T/L	52.62	N/A	53.076	N/A
Proposed Project Peak Values 115 kV T/L	15.338	71% Decrease	15.787	70% Decrease

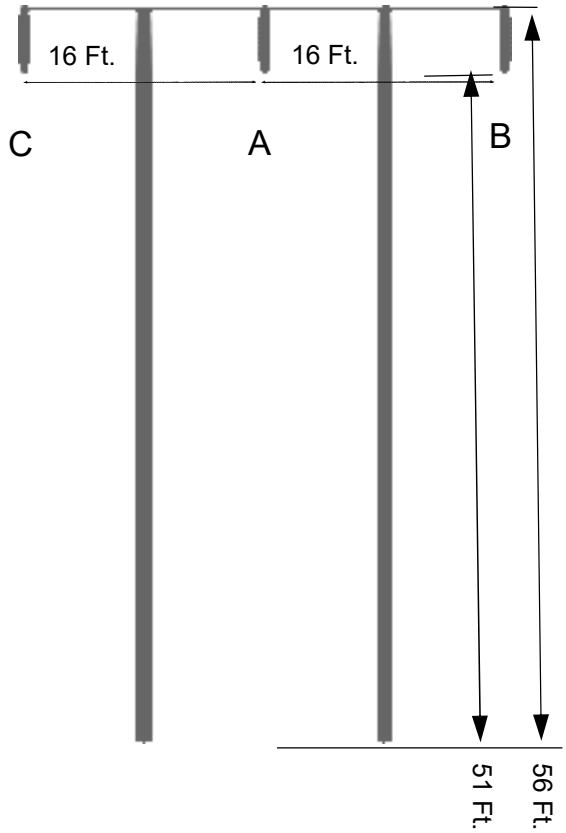
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 56 Ft. Length – 4.5 Ft.

*Projected Peak Values without Proposed Project use Non-Derated Amps Value 270 A.

[45] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 41 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 9

Figure 42 - Typical Magnetic Field Levels for Segment 4 Section 9 Structure 128753 – Structure 128774, Str. 128770 - 128771 at 150 Amps

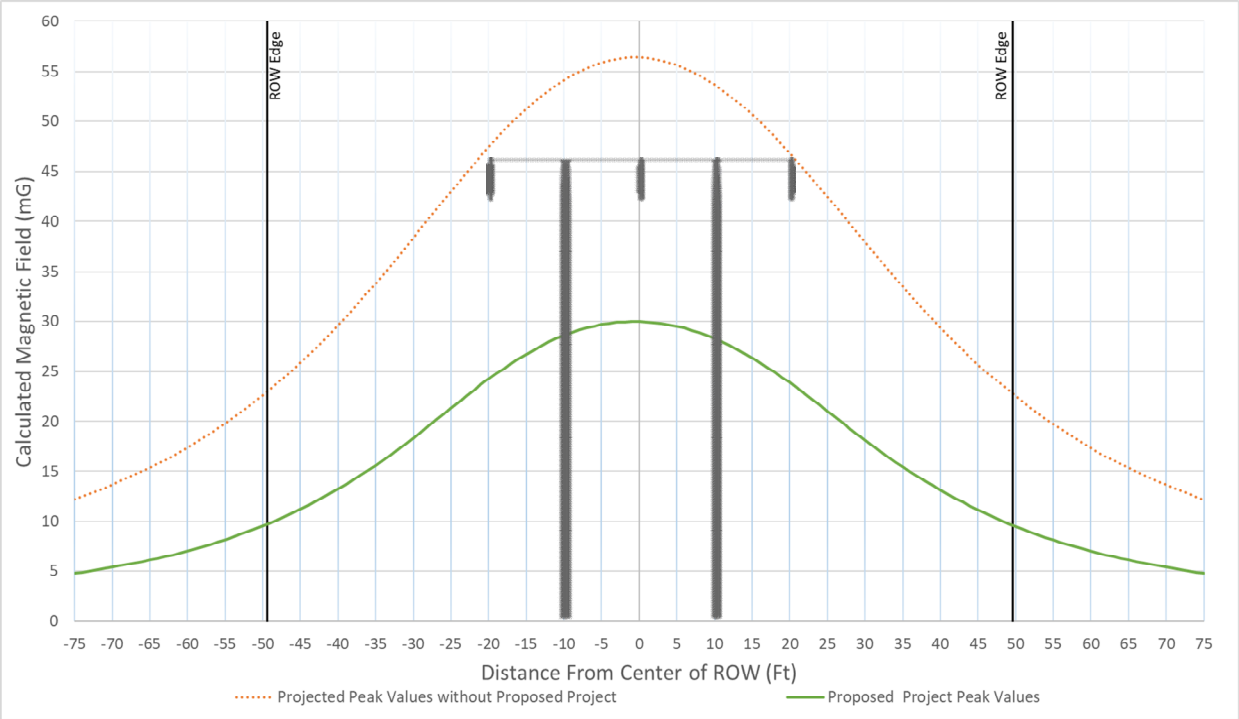


Table 28 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 9 Str. 128770 - 128771

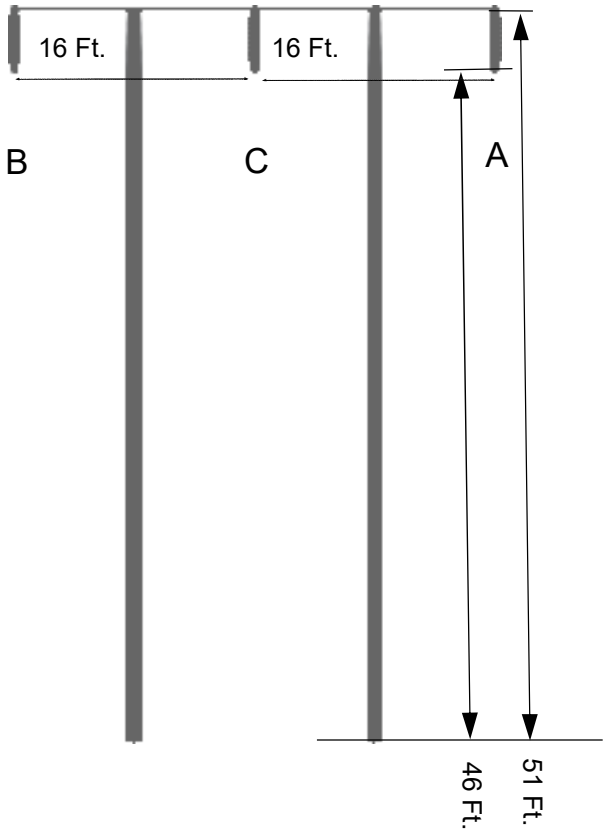
Design Options	Left Edge (mG)	% Change[46]	Right Edge (mG)	% Change[46]
Projected Peak Values without Proposed Project 115 kV T/L	22.606	N/A	23.094	N/A
Proposed Project Peak Values 115 kV T/L	9.549	58% Decrease	9.801	58% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 51 Ft. Length – 4.5 Ft.

[46] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 43 – Tower and Insulator Dimensions and Phasing



Existing:
Single – H-Frame
Figure not to Scale

Segment 4 Section 10

Figure 44 - Typical Magnetic Field Levels for Segment 4 Section 10 Structure 128774 – Structure 128817, Str. 128804 - 128805 at 150 Amps

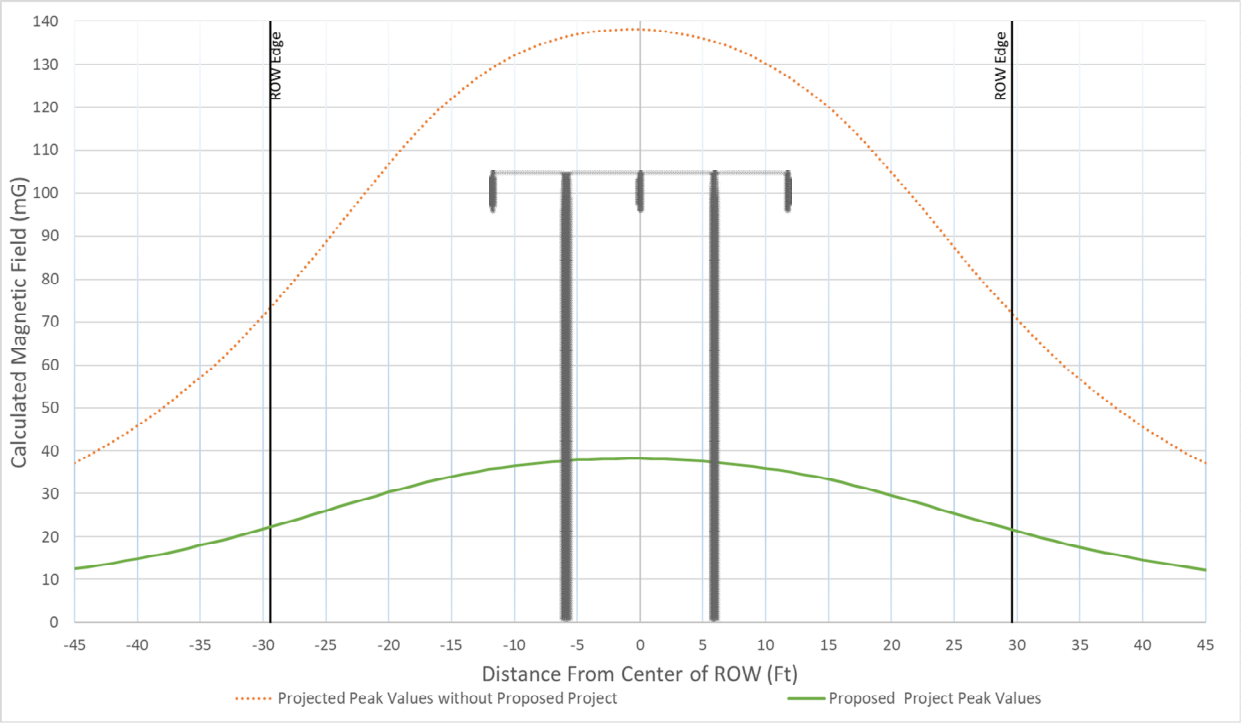


Table 29 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 10 Str. 128804 - 128805

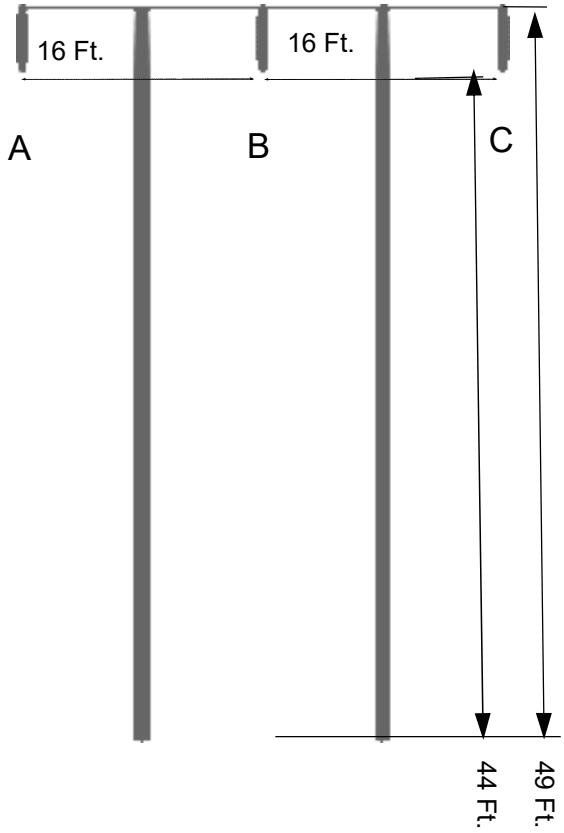
Design Options	Left Edge (mG)	% Change[47]	Right Edge (mG)	% Change[47]
Projected Peak Values without Proposed Project 115 kV T/L	71.412	N/A	73.822	N/A
Proposed Project Peak Values 115 kV T/L	21.798	69% Decrease	22.091	70% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 49 Ft. Length – 4.5 Ft.

[47] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 45 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 11

Figure 46 - Typical Magnetic Field Levels for Segment 4 Section 11 Structure 128817 – Structure 128840, Str. 128825 - 128826 at 150 Amps

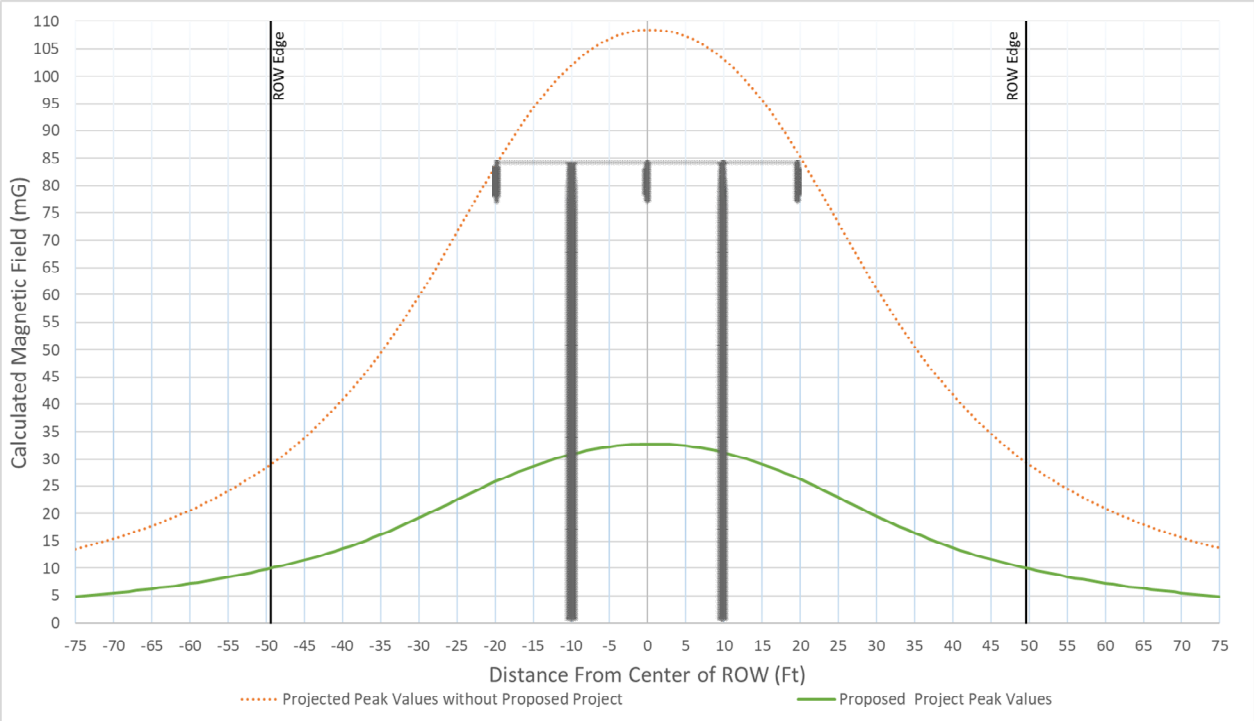


Table 30 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 11 Str. 128825 - 128826

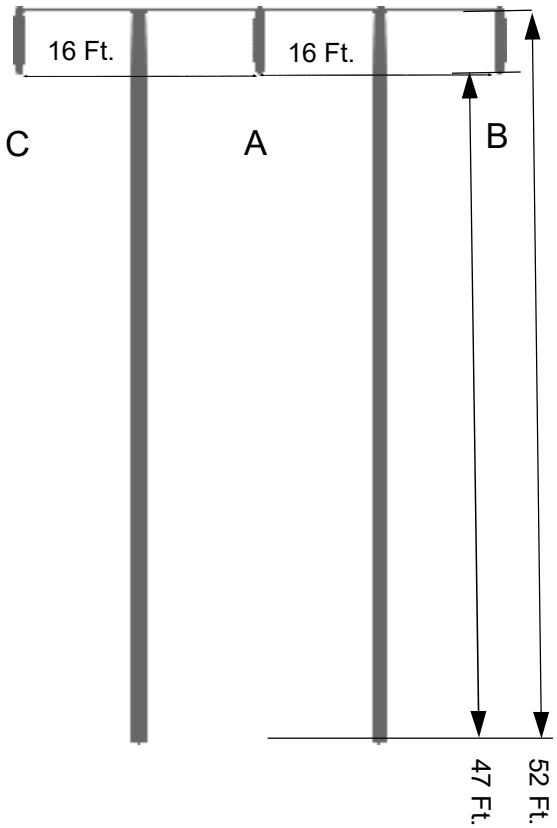
Design Options	Left Edge (mG)	% Change[48]	Right Edge (mG)	% Change[48]
Projected Peak Values without Proposed Project 115 kV T/L	28.476	N/A	30.005	N/A
Proposed Project Peak Values 115 kV T/L	9.781	66% Decrease	10.223	66% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[48] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 47 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 12

Figure 48 - Typical Magnetic Field Levels for Segment 4 Section 12 Structure 128840 – Structure 128882, Str. 128867 - 128868 at 150 Amps

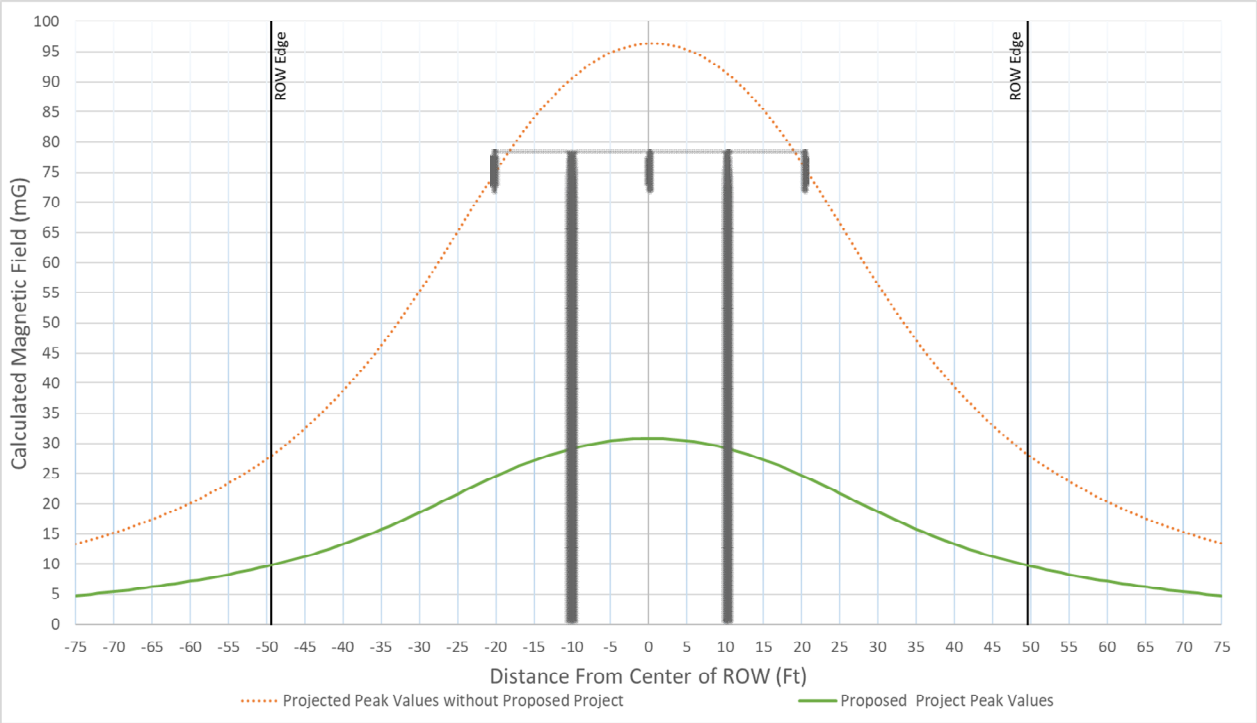


Table 31 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 12 Str. 128867 - 128868

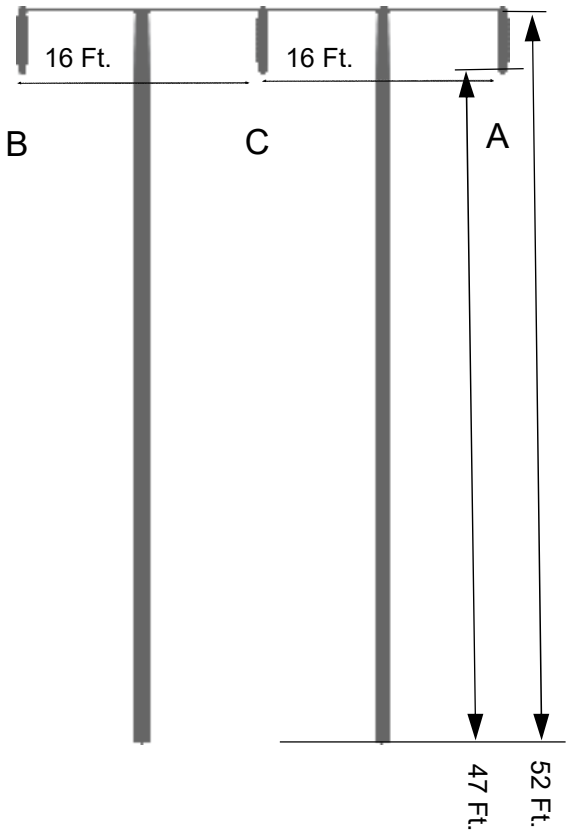
Design Options	Left Edge (mG)	% Change[49]	Right Edge (mG)	% Change[49]
Projected Peak Values without Proposed Project 115 kV T/L	27.466	N/A	28.781	N/A
Proposed Project Peak Values 115 kV T/L	9.618	65% Decrease	9.946	65% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[49] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 49 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 13

Figure 50 - Typical Magnetic Field Levels for Segment 4 Section 13 Structure 128882 – Structure 128904, Str. 128885 - 128886 at 150 Amps

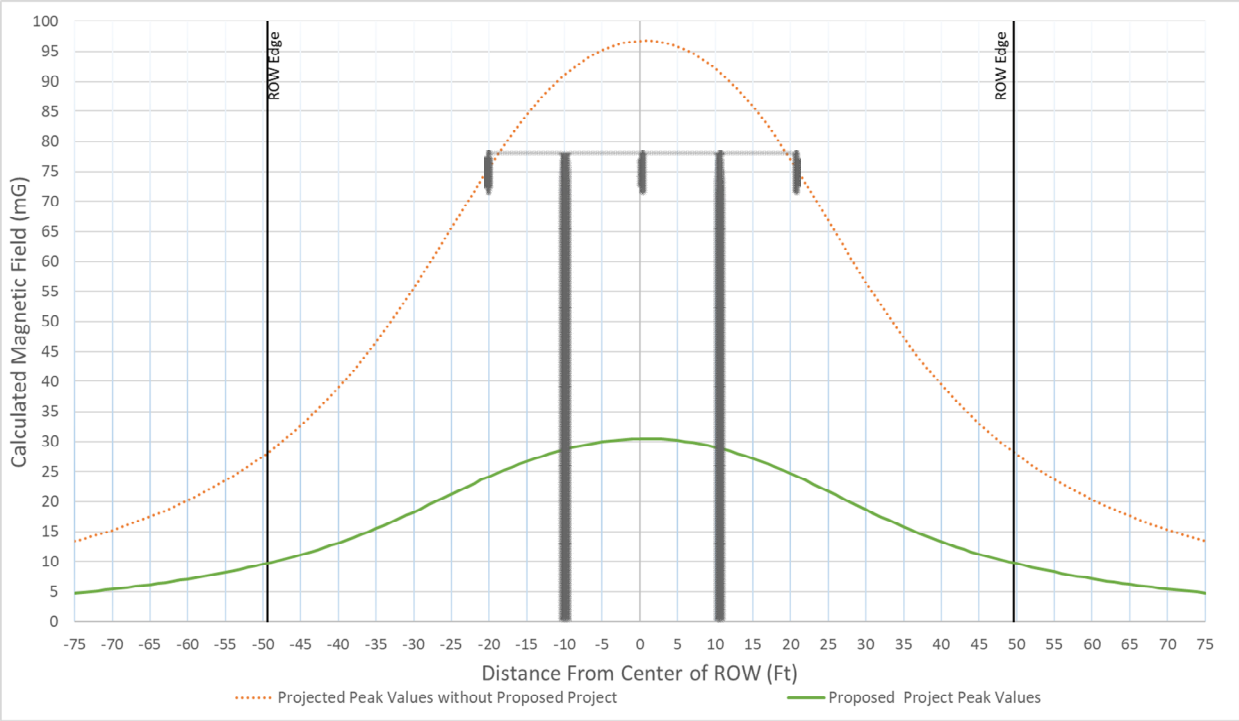


Table 32 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 13 Str. 128885 - 128886

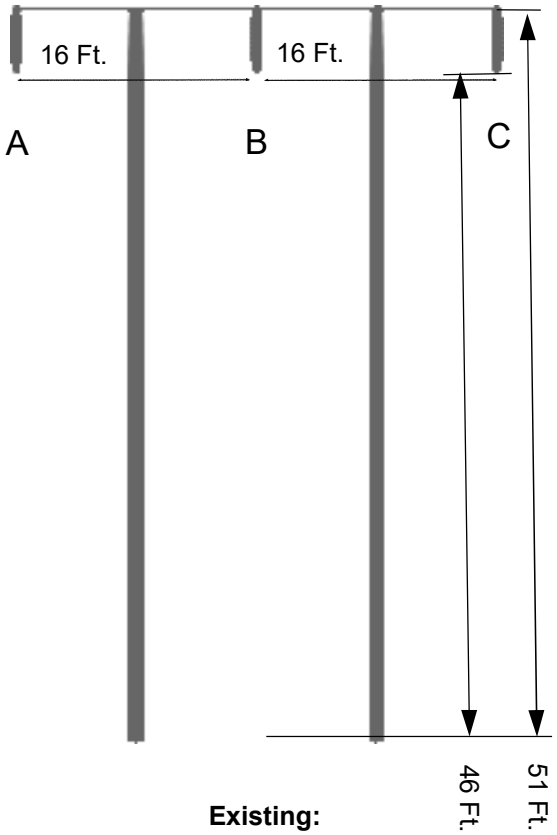
Design Options	Left Edge (mG)	% Change[50]	Right Edge (mG)	% Change[50]
Projected Peak Values without Proposed Project 115 kV T/L	27.626	N/A	28.831	N/A
Proposed Project Peak Values 115 kV T/L	9.542	65% Decrease	9.96	65% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 51 Ft. Length – 4.5 Ft.

[50] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 51 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 14

Figure 52 - Typical Magnetic Field Levels for Segment 4 Section 14 Structure 128904 – Baker Substation, Str. 128917 - 128918 at 150 Amps

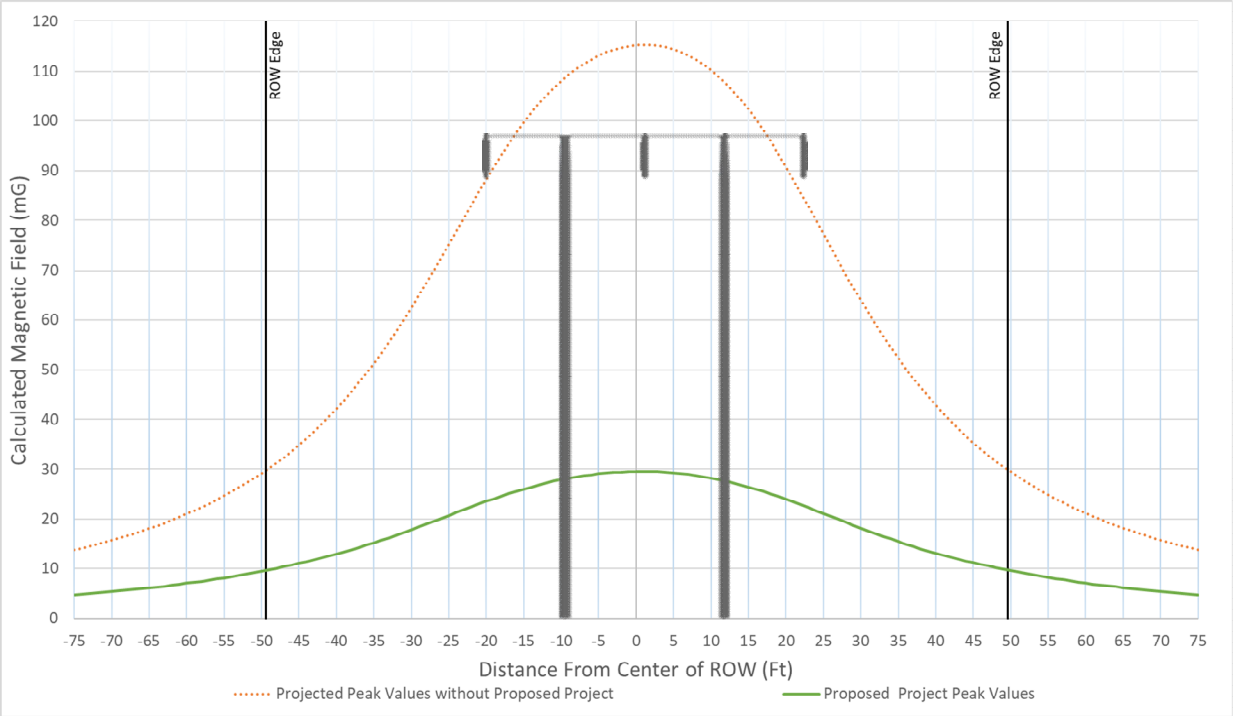


Table 33 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 14 Str. 128917 - 128918

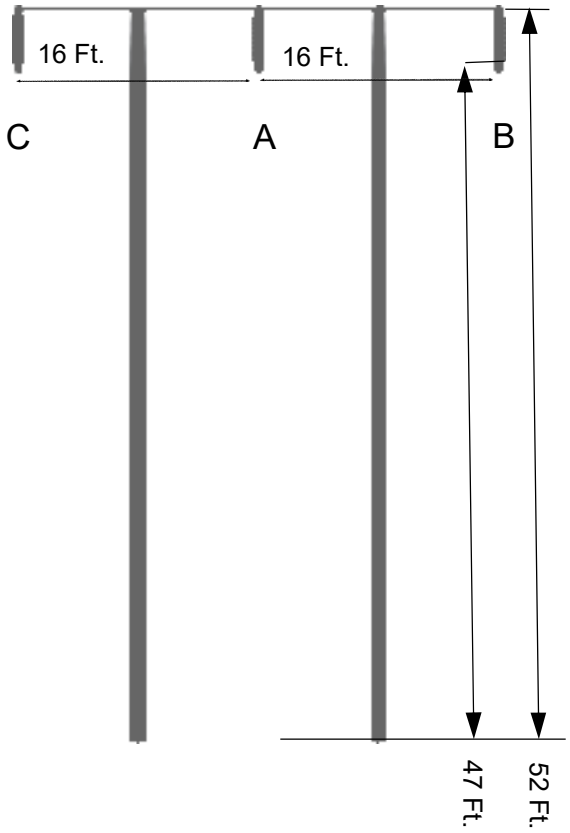
Design Options	Left Edge (mG)	% Change[51]	Right Edge (mG)	% Change[51]
Projected Peak Values without Proposed Project 115 kV T/L	29.139	N/A	30.498	N/A
Proposed Project Peak Values 115 kV T/L	9.42	68% Decrease	9.822	68% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[51] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 53 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 15

Figure 54 - Typical Magnetic Field Levels for Segment 4 Section 15 Baker Substation – Structure 128949, Str. 128939 - 128940 at 215 Amps

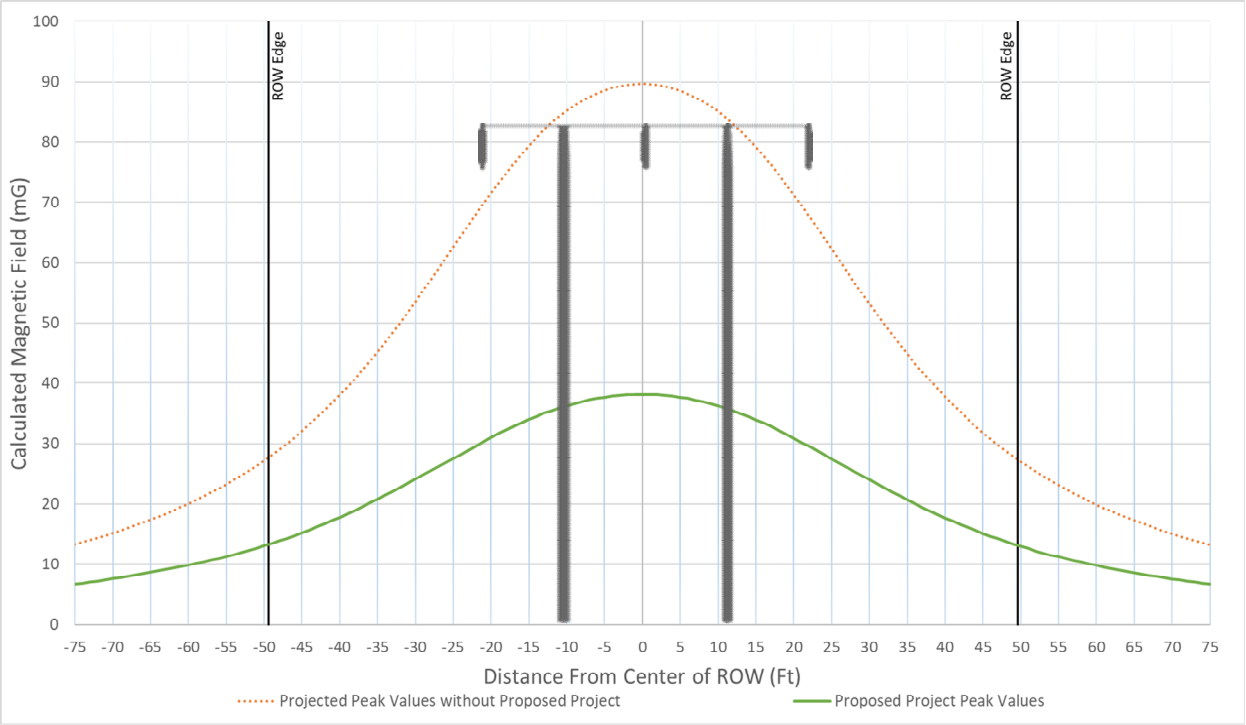


Table 34 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 15 Str. 128939 - 128940

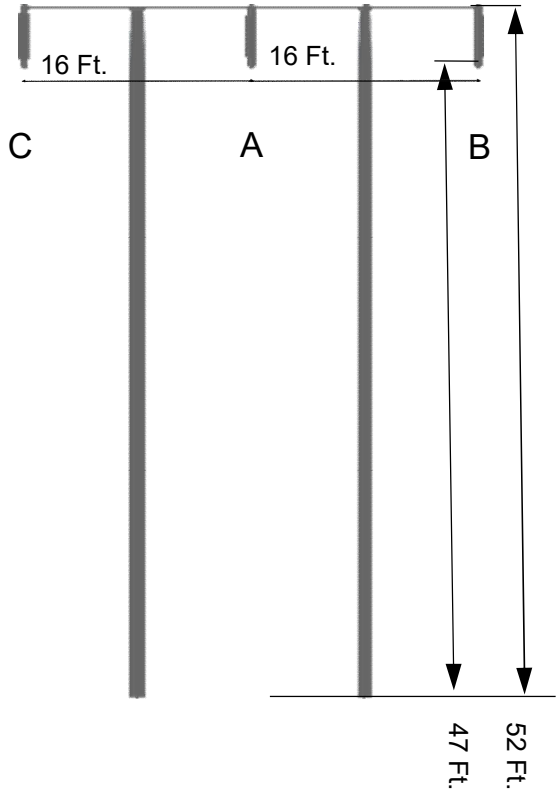
Design Options	Left Edge (mG)	% Change[52]	Right Edge (mG)	% Change[52]
Projected Peak Values without Proposed Project 115 kV T/L	27.224	N/A	27.904	N/A
Proposed Project Peak Values 115 kV T/L	13.124	52% Decrease	13.433	52% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[52] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 55 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 16

Figure 56 - Typical Magnetic Field Levels for Segment 4 Section 16 Structure 128949 – Structure 128971, Str. 128966 - 128967 at 215 Amps

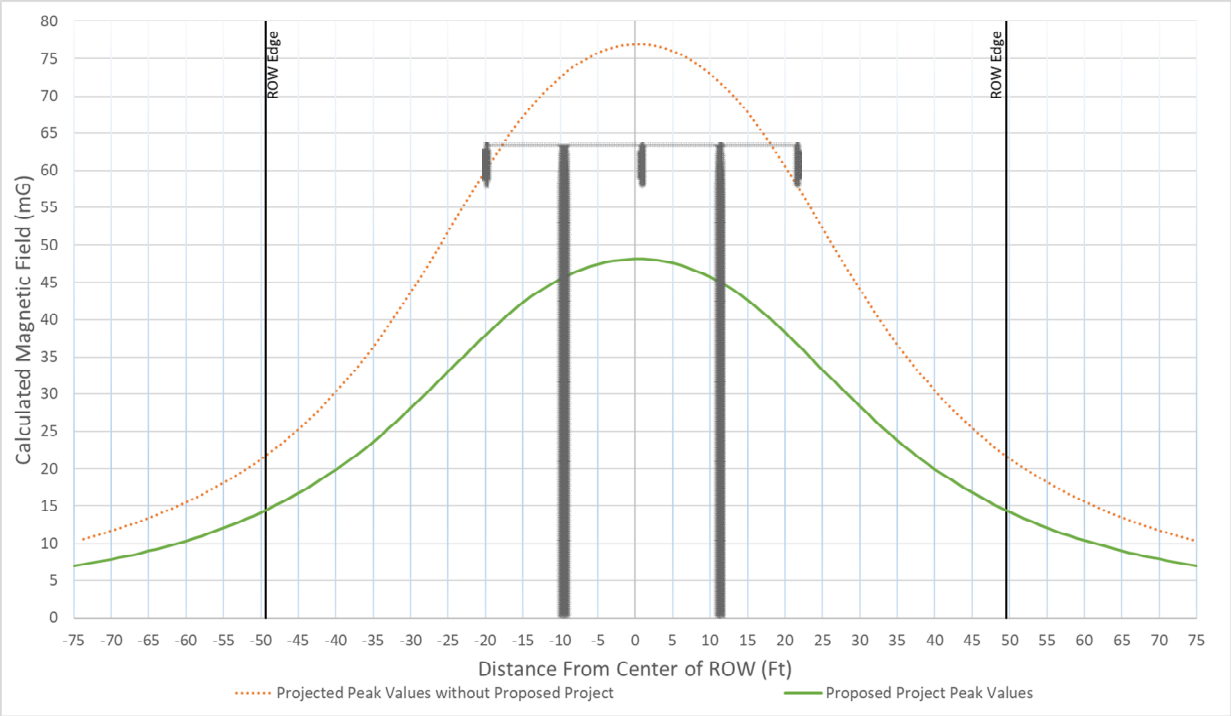


Table 35 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 16 Str. 128966 - 128967

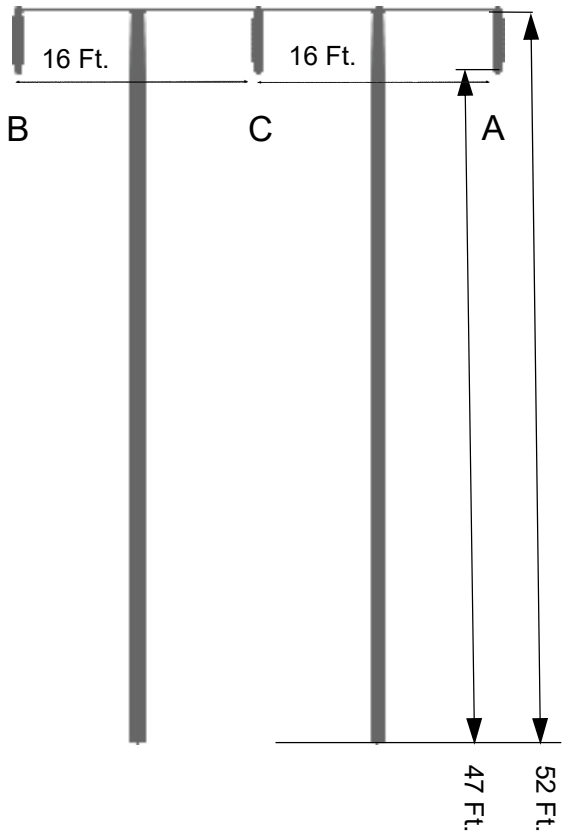
Design Options	Left Edge (mG)	% Change[53]	Right Edge (mG)	% Change[53]
Projected Peak Values without Proposed Project 115 kV T/L	21.282	N/A	22.126	N/A
Proposed Project Peak Values 115 kV T/L	14.13	34% Decrease	14.678	34% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[53] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 57 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 17

Figure 58 - Typical Magnetic Field Levels for Segment 4 Section 17 Structure 128971 – Structure 1281015, Str. 128990 - 128991 at 215 Amps

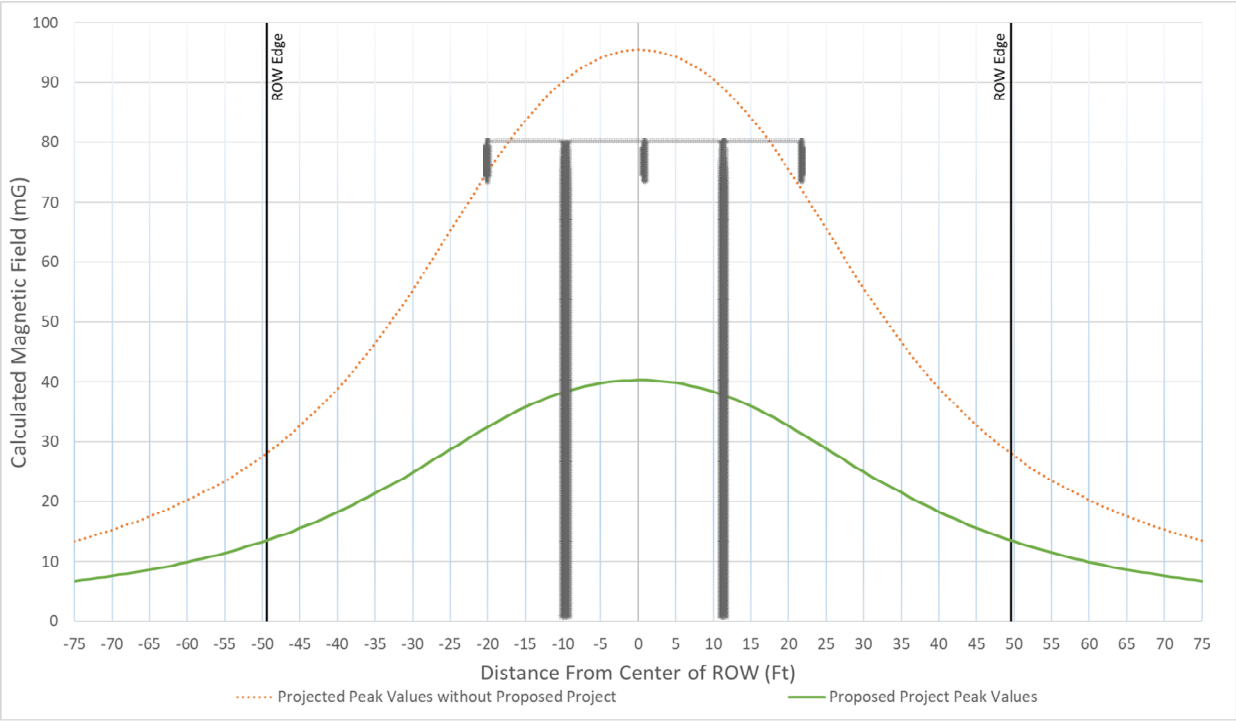


Table 36 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 17 Str. 128990 - 128991

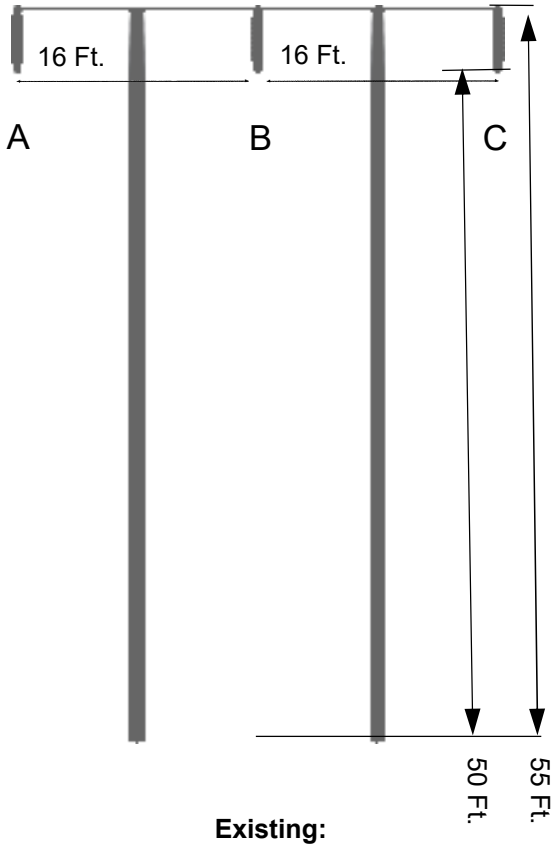
Design Options	Left Edge (mG)	% Change[54]	Right Edge (mG)	% Change[54]
Projected Peak Values without Proposed Project 115 kV T/L	27.569	N/A	28.585	N/A
Proposed Project Peak Values 115 kV T/L	13.312	52% Decrease	13.768	52% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 55 Ft. Length – 4.5 Ft.

[54] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 59 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 18

Figure 60 - Typical Magnetic Field Levels for Segment 4 Section 18 Structure 1281015 – Structure 1281039, Str. 1281018 - 1281019 at 215 Amps

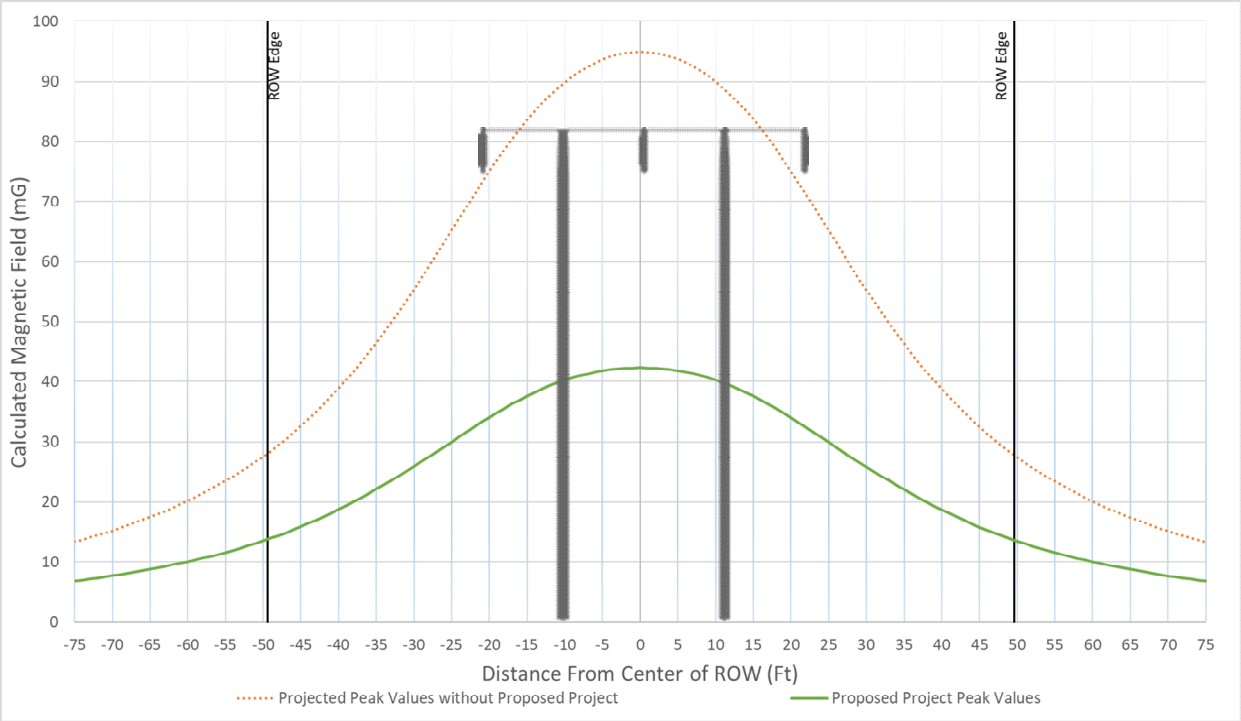


Table 37 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 18 Str. 1281018 - 1281019

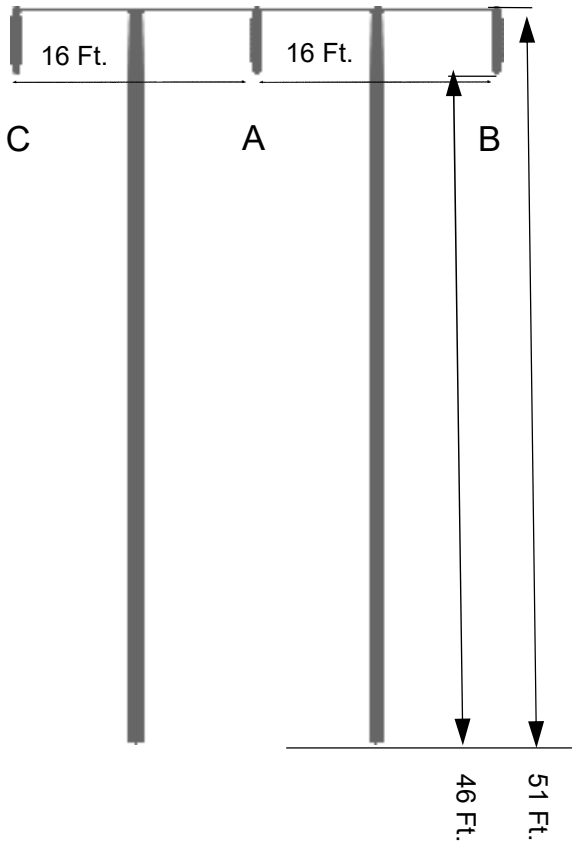
Design Options	Left Edge (mG)	% Change[55]	Right Edge (mG)	% Change[55]
Projected Peak Values without Proposed Project 115 kV T/L	27.61	N/A	28.403	N/A
Proposed Project Peak Values 115 kV T/L	13.599	51% Decrease	13.964	51% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 51 Ft. Length – 4.5 Ft.

[55] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 61 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 19

Figure 62 - Typical Magnetic Field Levels for Segment 4 Section 19 Structure 1281039 – Structure 1281082, Str. 1281067 - 1281068 at 215 Amps

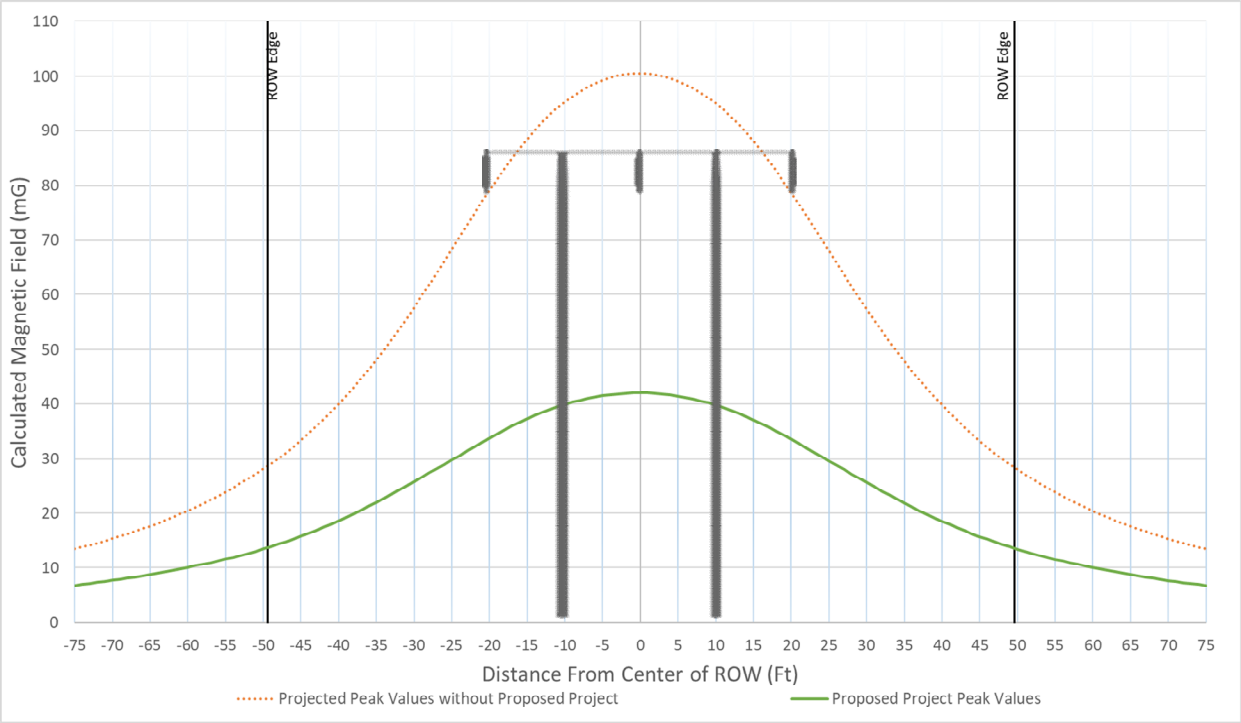


Table 38 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 19 Str. 1281067 - 1281068

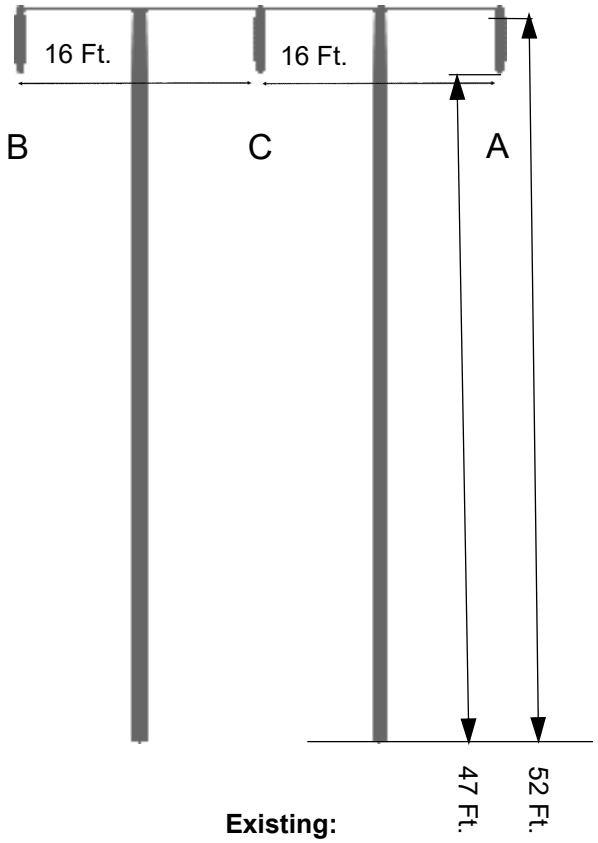
Design Options	Left Edge (mG)	% Change[56]	Right Edge (mG)	% Change[56]
Projected Peak Values without Proposed Project 115 kV T/L	28.123	N/A	28.982	N/A
Proposed Project Peak Values 115 kV T/L	13.551	52% Decrease	13.924	52% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[56] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 63 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 20

Figure 64 - Typical Magnetic Field Levels for Segment 4 Section 20 Structure 1281082 – Structure 1281104, Str. 1281098 - 1281099 at 215 Amps

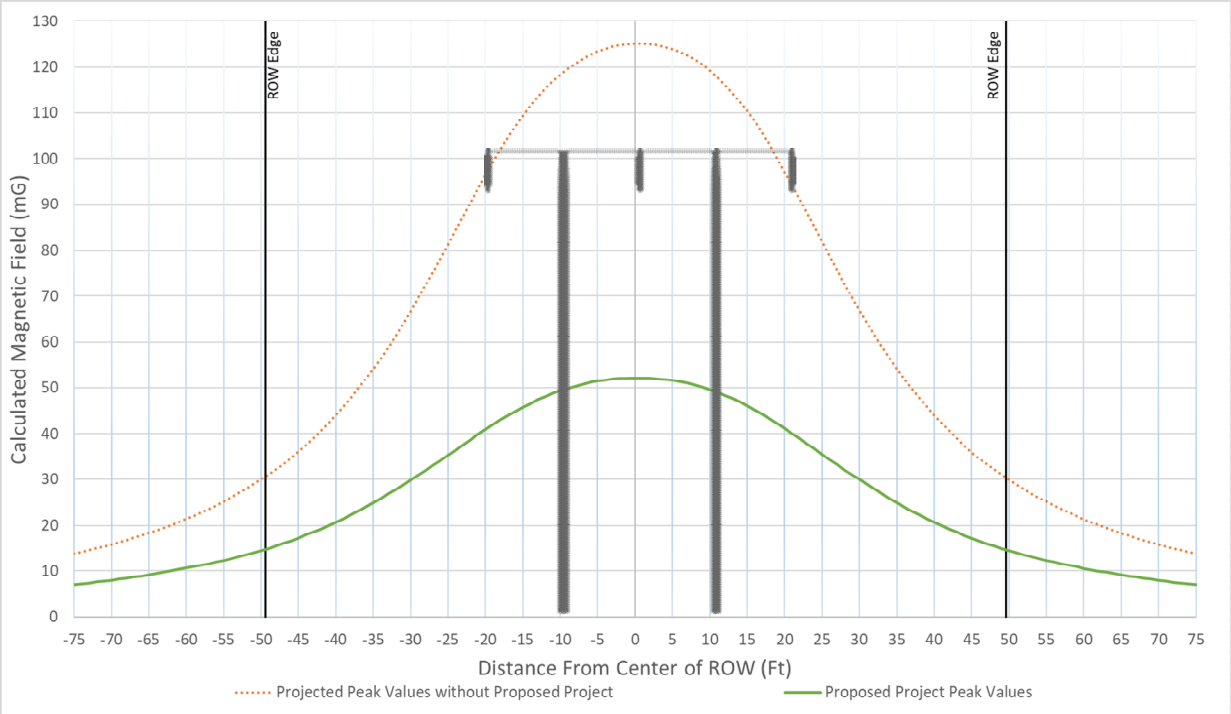


Table 39 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 20 Str. 1281098 - 1281099

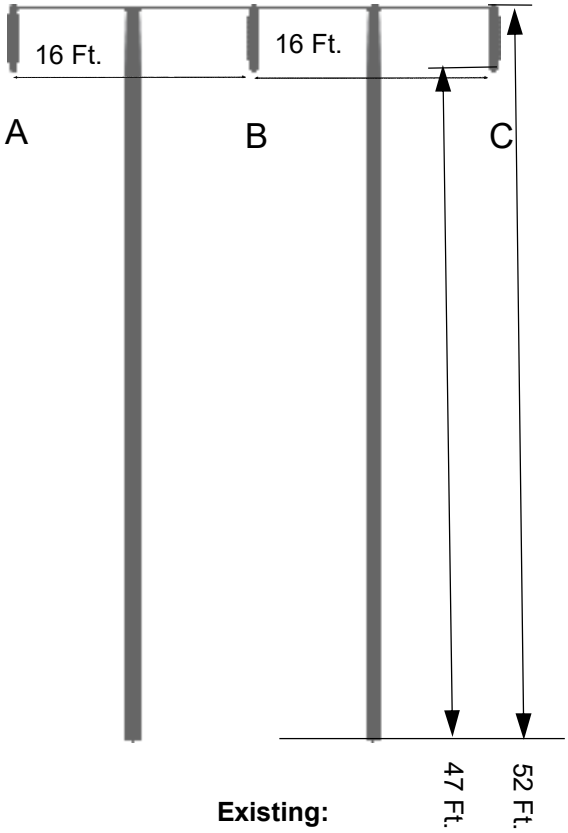
Design Options	Left Edge (mG)	% Change[57]	Right Edge (mG)	% Change[57]
Projected Peak Values without Proposed Project 115 kV T/L	29.998	N/A	31.04	N/A
Proposed Project Peak Values 115 kV T/L	14.576	51% Decrease	15.052	52% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[57] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 65 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 21

Figure 66 - Typical Magnetic Field Levels for Segment 4 Section 21 Structure 1281104 – Structure 1281146, Str. 1281145 - 1281146 at 215 Amps

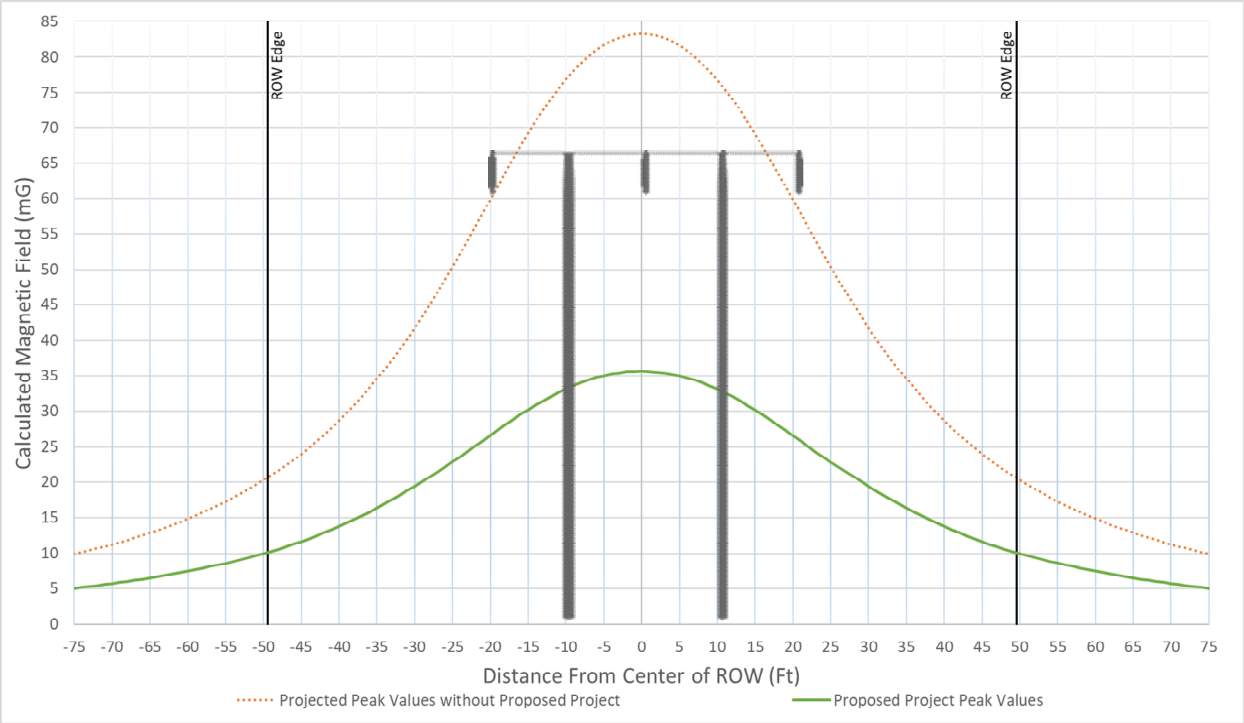


Table 40 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 21 Str. 1281145 - 1281146

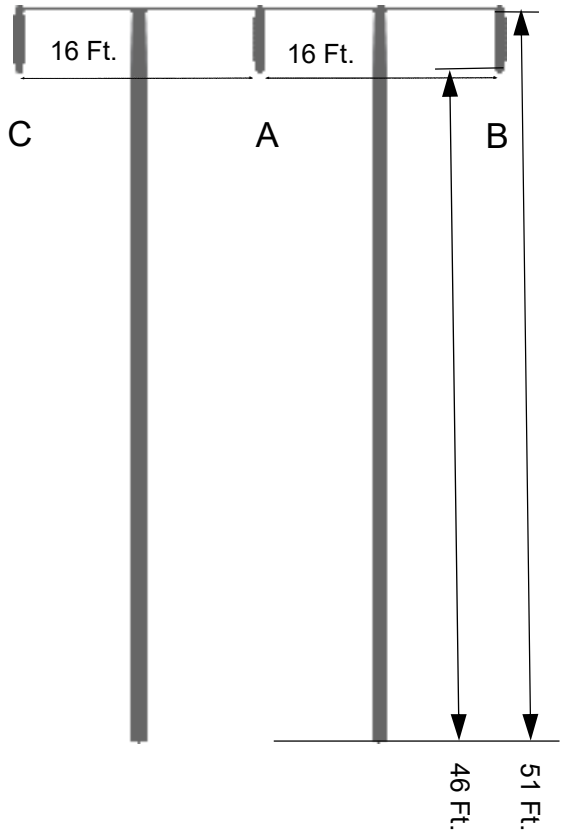
Design Options	Left Edge (mG)	% Change[58]	Right Edge (mG)	% Change[58]
Projected Peak Values without Proposed Project 115 kV T/L	20.268	N/A	20.966	N/A
Proposed Project Peak Values 115 kV T/L	9.969	51% Decrease	10.285	51% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 51 Ft. Length – 4.5 Ft.

[58] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 67 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 22

Figure 68 - Typical Magnetic Field Levels for Segment 4 Section 22 Structure 1281146 – Structure 1281167, Str. 1281154 – 1281155 at 215 Amps

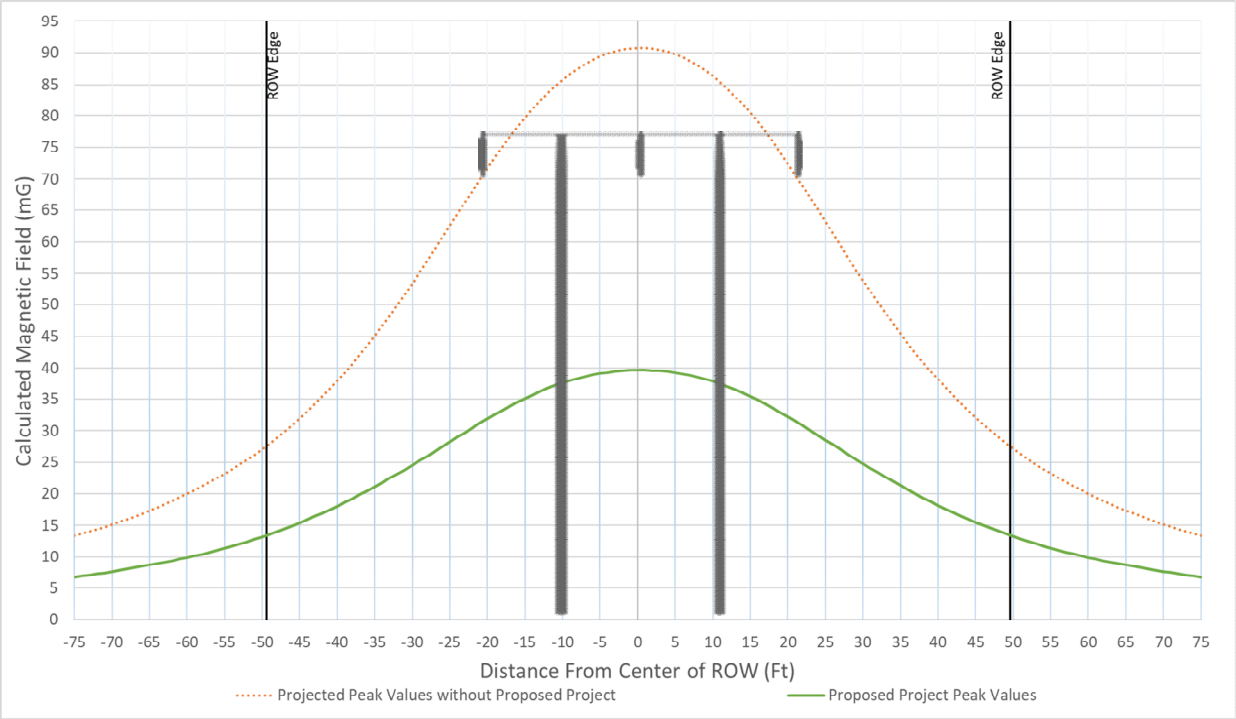


Table 41 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 22 Str. 1281154 – 1281155

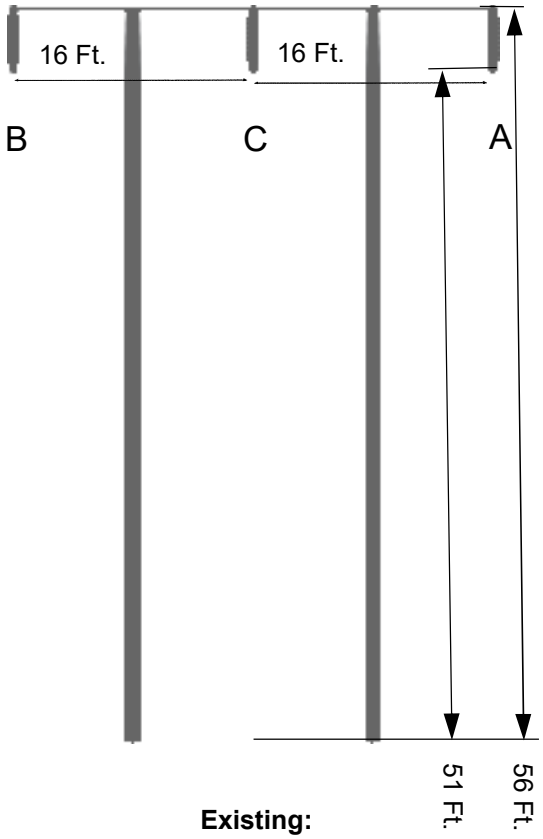
Design Options	Left Edge (mG)	% Change[59]	Right Edge (mG)	% Change[59]
Projected Peak Values without Proposed Project 115 kV T/L	27.091	N/A	28.089	N/A
Proposed Project Peak Values 115 kV T/L	13.211	51% Decrease	13.678	51% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 56 Ft. Length – 4.5 Ft.

[59] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 69 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 23

Figure 70 - Typical Magnetic Field Levels for Segment 4 Section 23 Structure 1281167 – Mountain Pass Substation, Str. 1281170 - 1281171 at 215 Amps

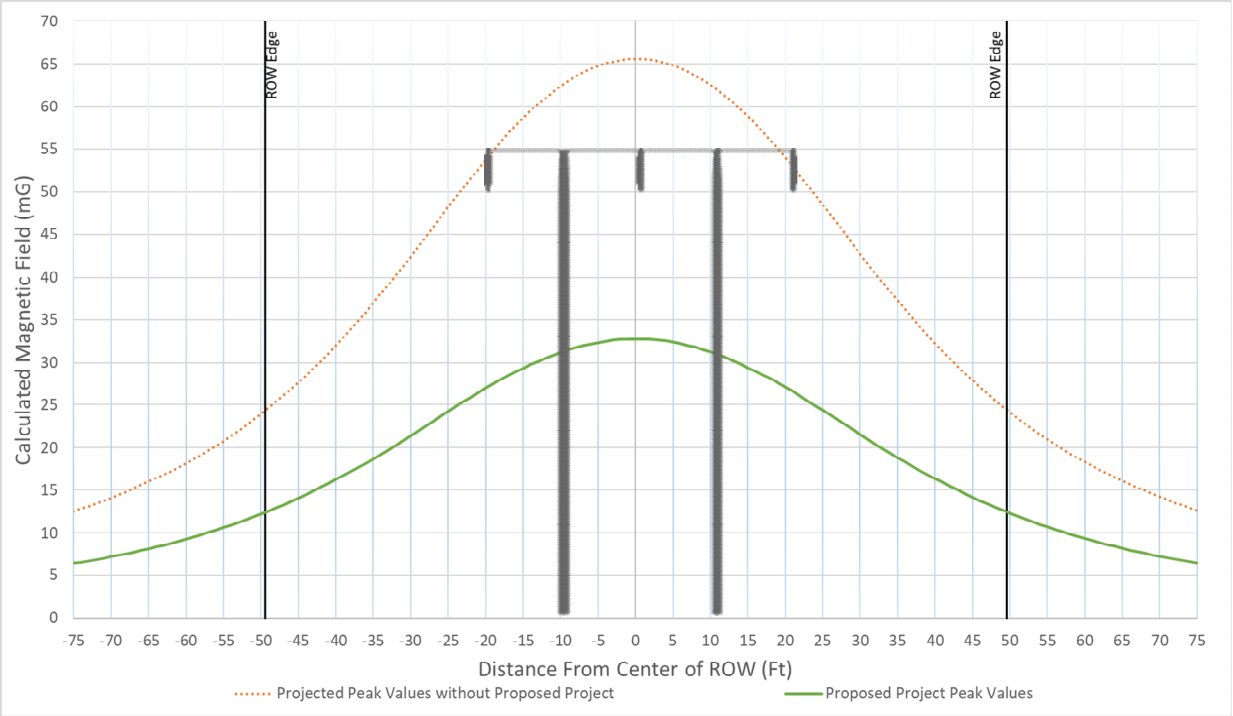


Table 42 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 23 Str. 1281170 - 1281171

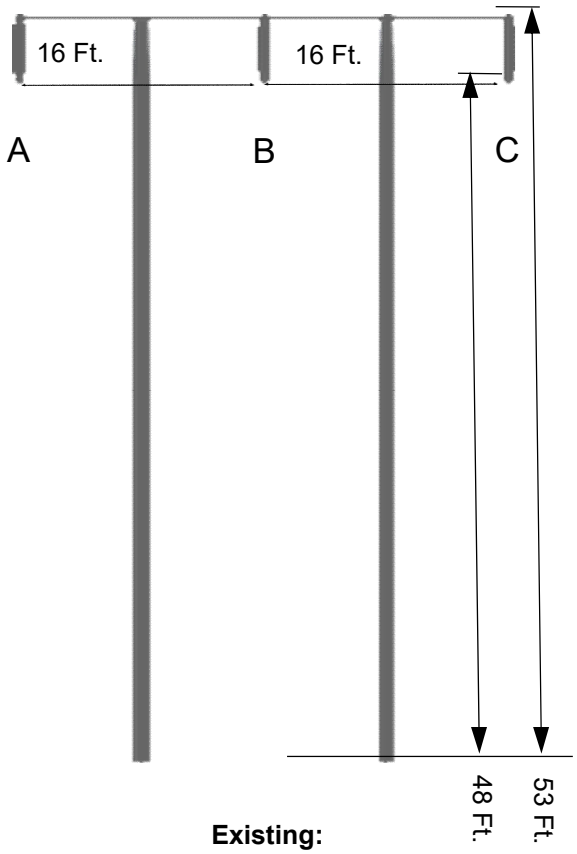
Design Options	Left Edge (mG)	% Change[60]	Right Edge (mG)	% Change[60]
Projected Peak Values without Proposed Project 115 kV T/L	23.925	N/A	24.824	N/A
Proposed Project Peak Values 115 kV T/L	12.198	49% Decrease	12.645	49% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 53 Ft. Length – 4.5 Ft.

[60] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 71 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 24

Figure 72 - Typical Magnetic Field Levels for Segment 4 Section 24 Mountain Pass Substation – Structure 1281210, Str. 1281202 - 1281203 at 240 Amps

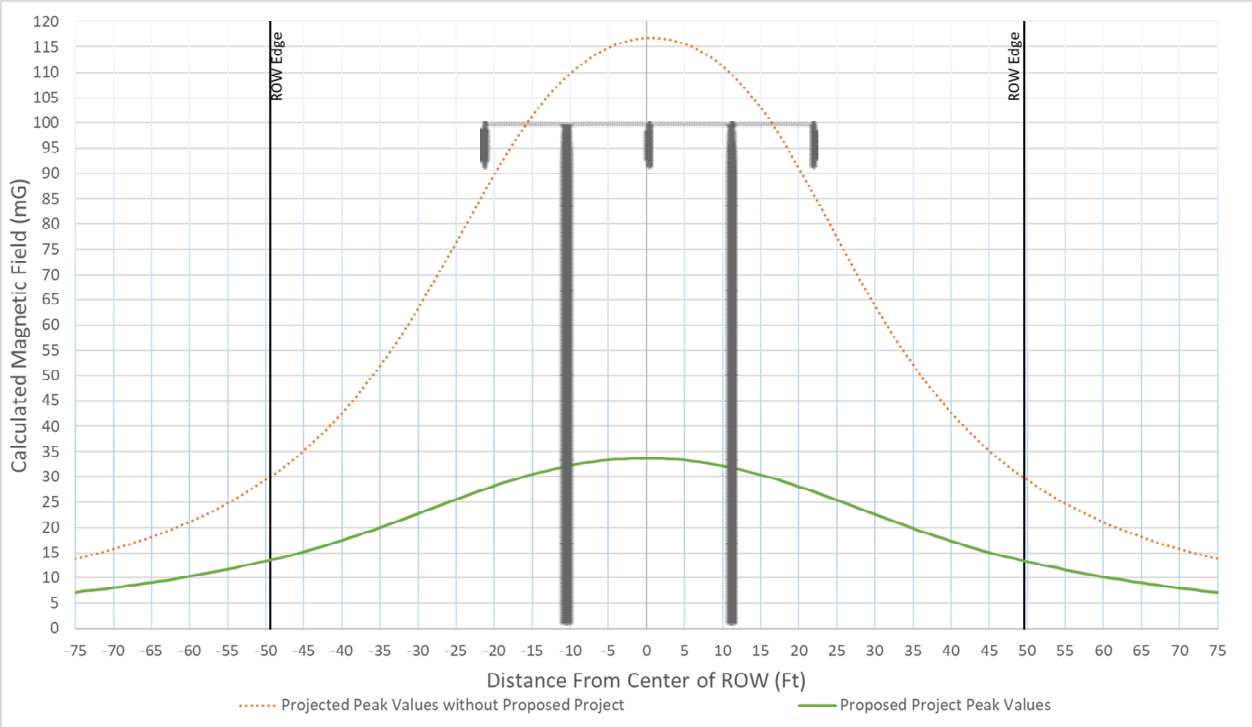


Table 43 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 24 Str. 1281202 - 1281203

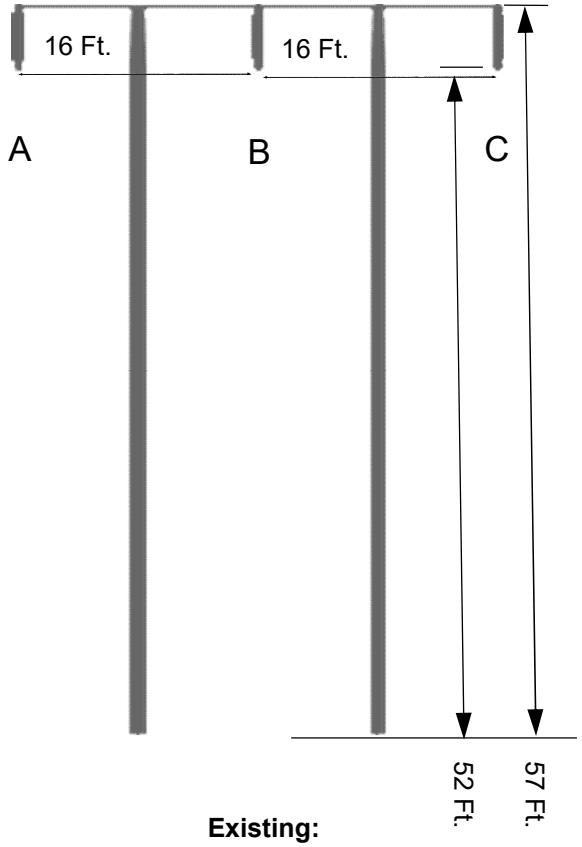
Design Options	Left Edge (mG)	% Change[61]	Right Edge (mG)	% Change[61]
Projected Peak Values without Proposed Project 115 kV T/L	29.335	N/A	30.375	N/A
Proposed Project Peak Values 115 kV T/L	13.314	55% Decrease	13.557	55% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 57 Ft. Length – 4.5 Ft.

[61] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 73 – Tower and Insulator Dimensions and Phasing



Existing:

Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 25

Figure 74 - Typical Magnetic Field Levels for Segment 4 Section 25 Structure 1281210 - Ivanpah Substation, Str. 1281212- 1281213 at 240 Amps

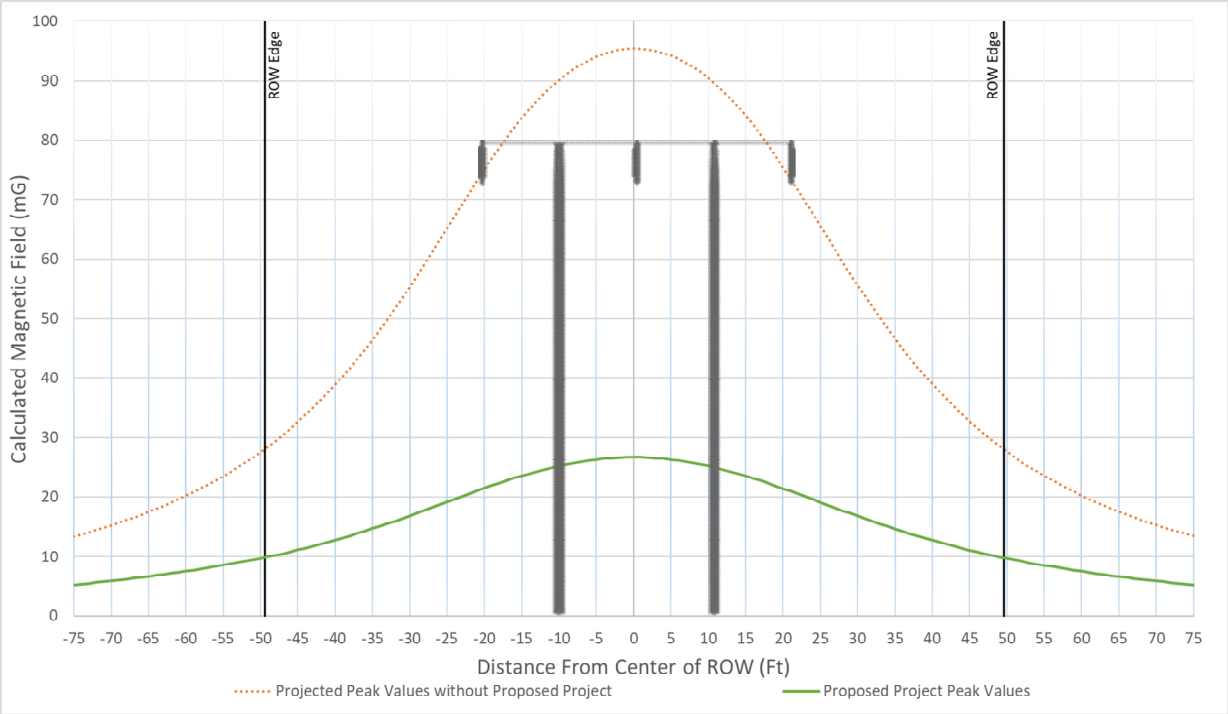


Table 44 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 25 Str. 1281212- 1281213

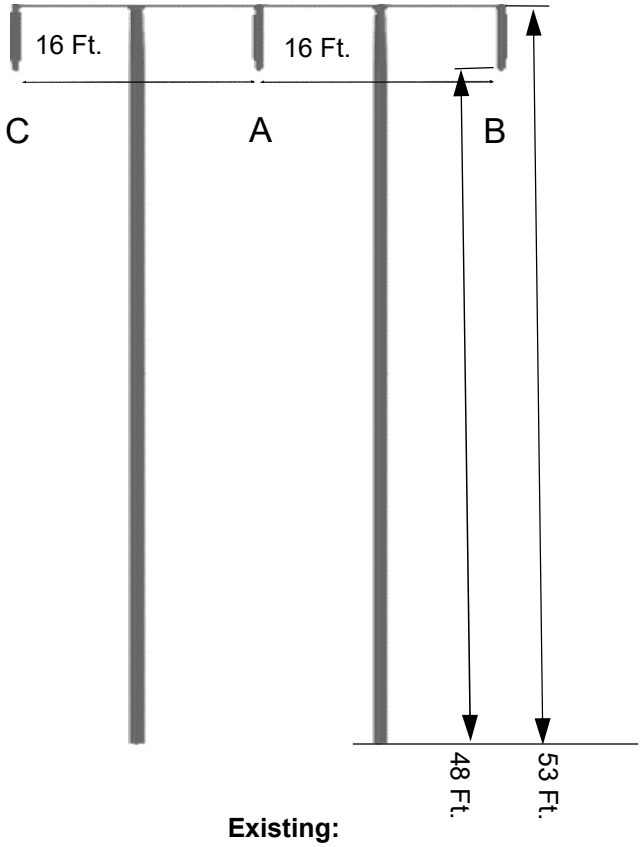
Design Options	Left Edge (mG)	% Change[62]	Right Edge (mG)	% Change[62]
Projected Peak Values without Proposed Project 115 kV T/L	27.569	N/A	28.585	N/A
Proposed Project Peak Values 115 kV T/L	9.727	65% Decrease	9.963	65% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 53 Ft. Length – 4.5 Ft.

[62] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 75 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

RESIDENTIAL GRAPHS

These graphs are based on calculations that occur on spans that are the lowest near residential areas that are of concern. The magnetic field created by these spans are less in magnitude than the worst span in each segment, but these are more of a concern for the residents that live near the ROW.

Segment 1 Section 1, Str. 36-37

Figure 76 - Typical Magnetic Field Levels for Segment 1 Section 1 Control – Structure 214, Str. 36-37 at 415 Amps

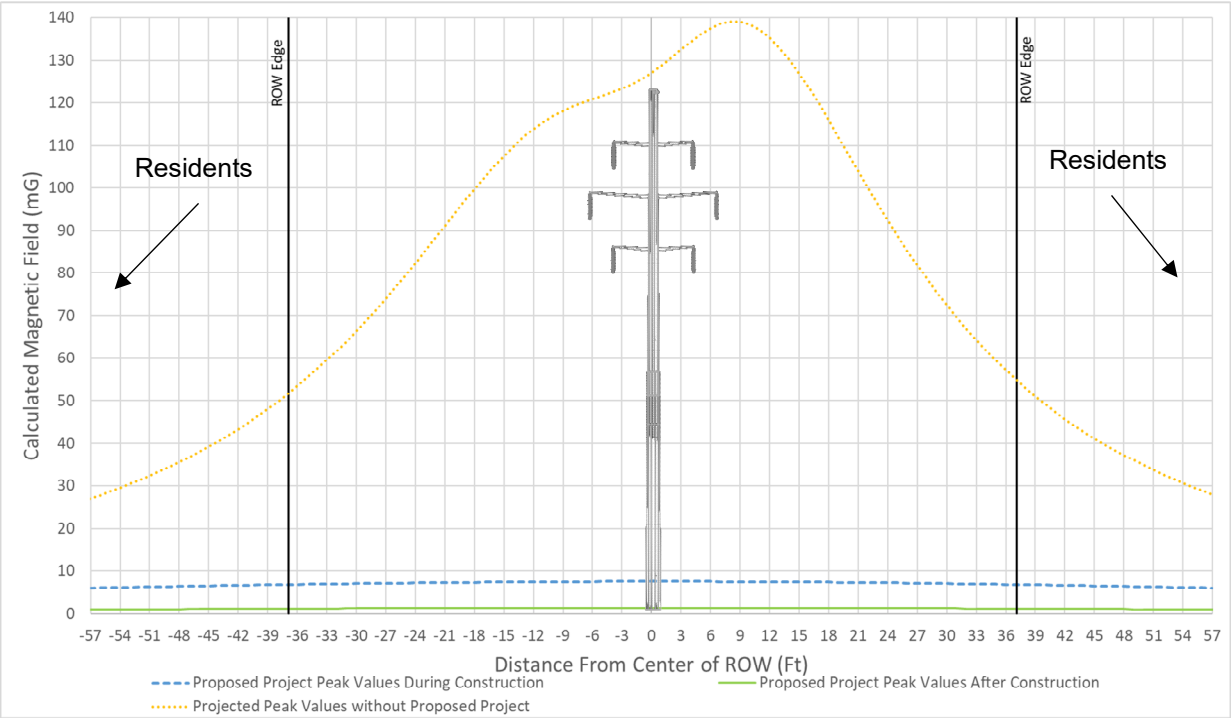


Table 45 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 1 Str. 36-37

Design Options	Left Edge (mG)	% Change[63]	Right Edge (mG)	% Change[63]
Projected Peak Values without Proposed Project 115 kV T/L	51.553	N/A	55.029	N/A
Proposed 115 kV T/L During Construction	6.772	87% Decrease	6.785	88% Decrease
Proposed 115 kV T/L After Construction	1.199	98% Decrease	1.203	98% Decrease

All calculations were made at a height of 3 feet all across the ROW.

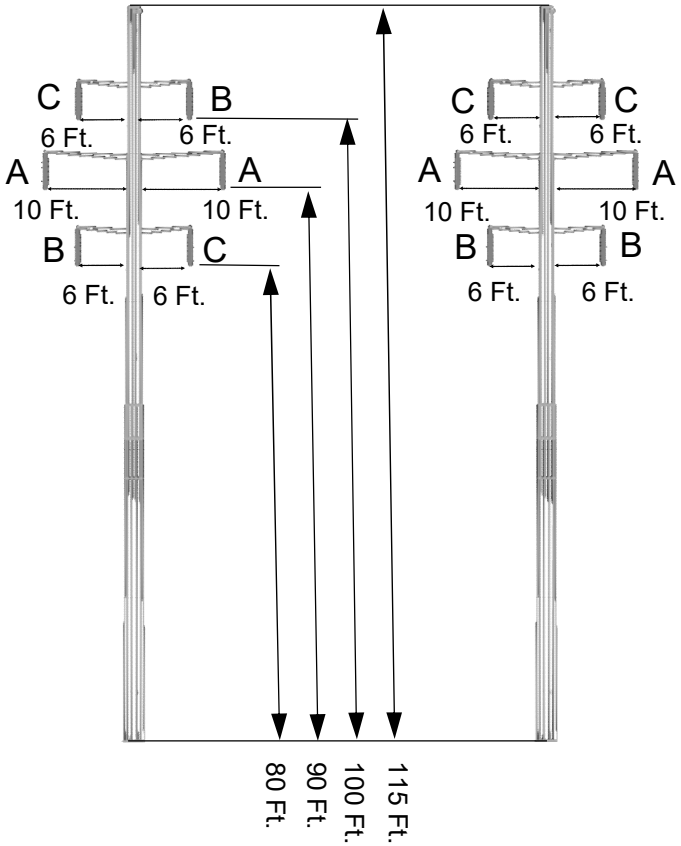
Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 115 Ft. Length – 4 Ft.

The residential areas are on both sides as viewed in this graph.

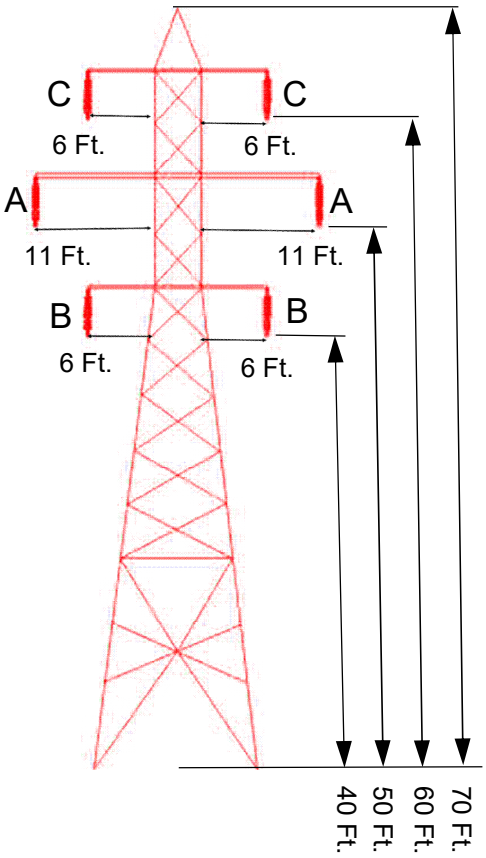
[63] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 77 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Segment 1 Section 1, Str. 55-56

Figure 78 – Typical Magnetic Field Levels for Segment 1 Section 1 Control – Structure 214, Str. 55-56 at 415 Amps

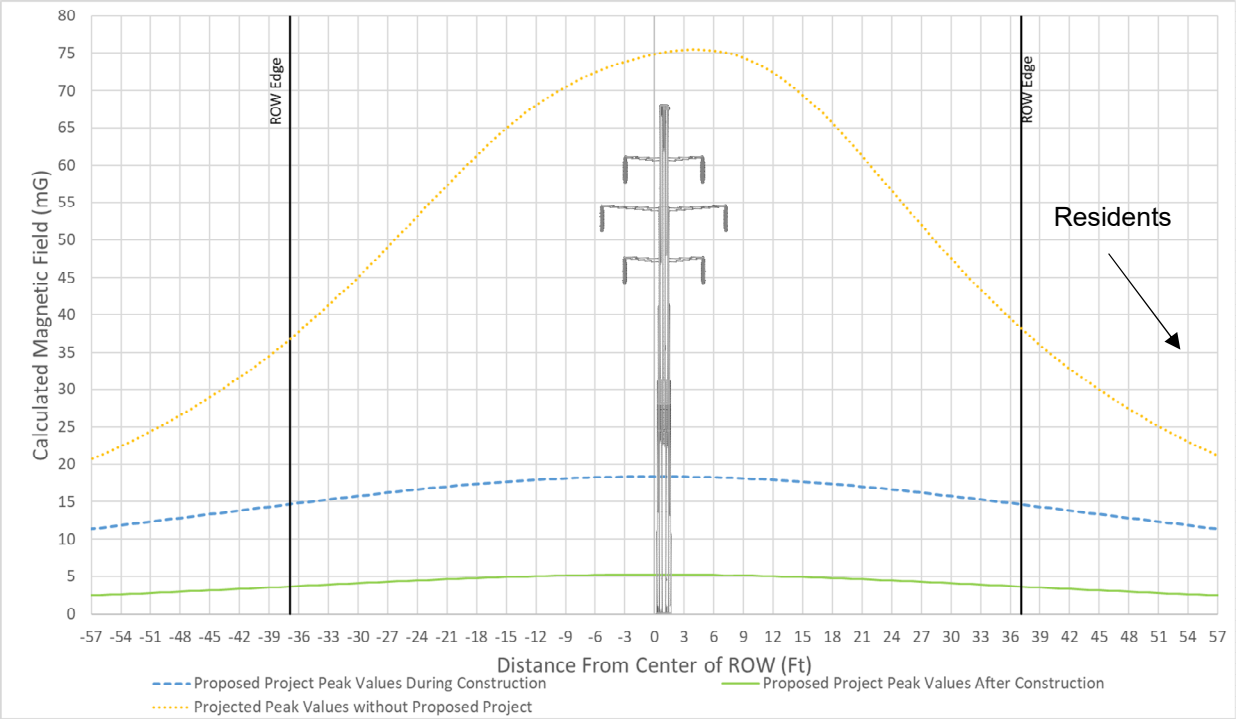


Table 46 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 1 Str. 55-56

Design Options	Left Edge (mG)	% Change[64]	Right Edge (mG)	% Change[64]
Projected Peak Values without Proposed Project 115 kV T/L	36.656	N/A	38.304	N/A
Proposed 115 kV T/L During Construction	14.643	60% Decrease	14.644	62% Decrease
Proposed 115 kV T/L After Construction	3.638	90% Decrease	3.638	91% Decrease

All calculations were made at a height of 3 feet all across the ROW.

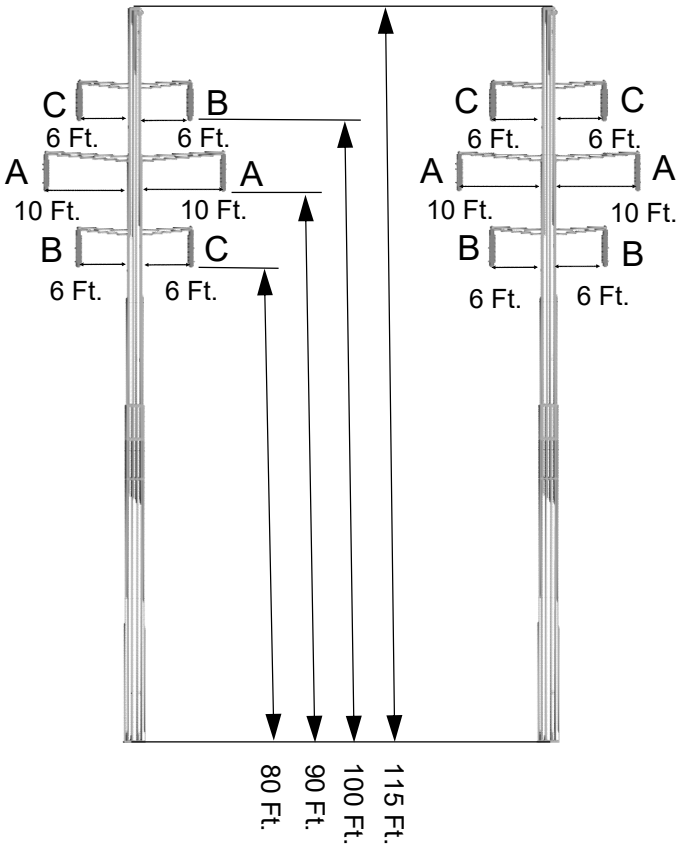
Tower Height and Insulator Length
Height – 75 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 115 Ft. Length – 4 Ft.

The residential area is to the right as viewed in this graph.

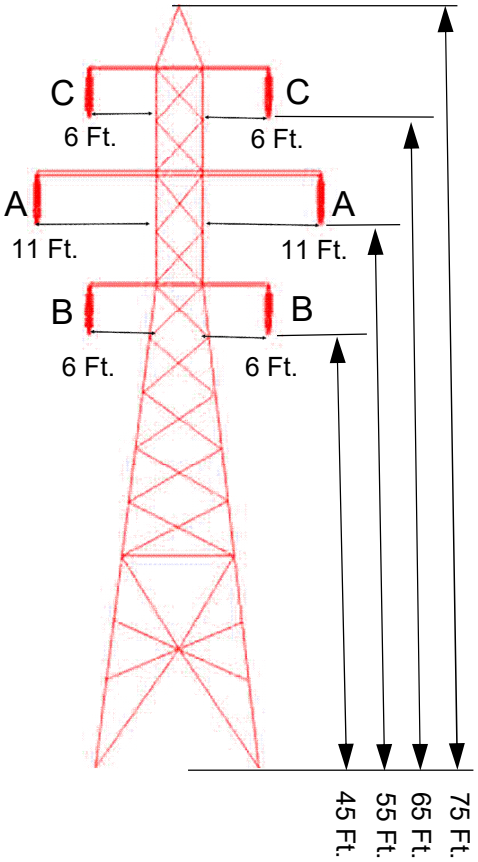
[64] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 79 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Segment 1 Section 1, Str. 137-138

Figure 80 - Typical Magnetic Field Levels for Segment 1 Section 1 Control – Structure 214, Str. 137-138 at 415 Amps

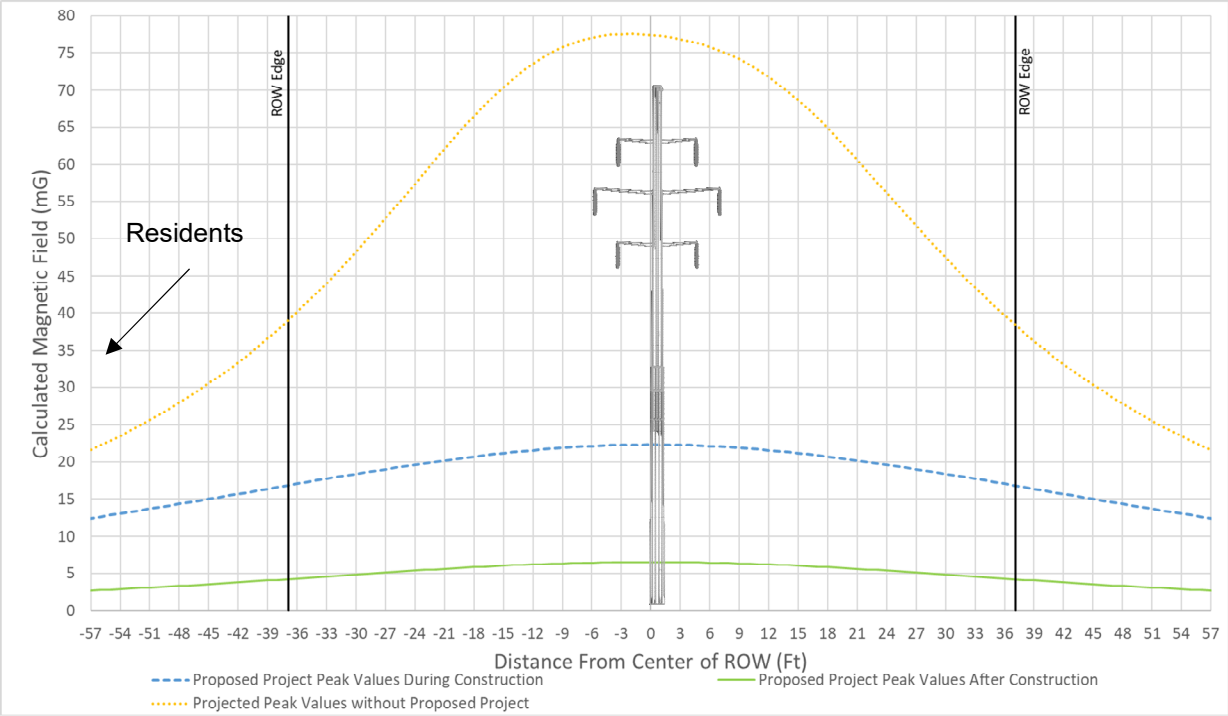


Table 47 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Str. 137-138

Design Options	Left Edge (mG)	% Change[65]	Right Edge (mG)	% Change[65]
Projected Peak Values without Proposed Project 115 kV T/L	38.942	N/A	38.519	N/A
Proposed 115 kV T/L During Construction	16.803	57% Decrease	16.803	56% Decrease
Proposed 115 kV T/L After Construction	4.21	89% Decrease	4.21	89% Decrease

All calculations were made at a height of 3 feet all across the ROW.

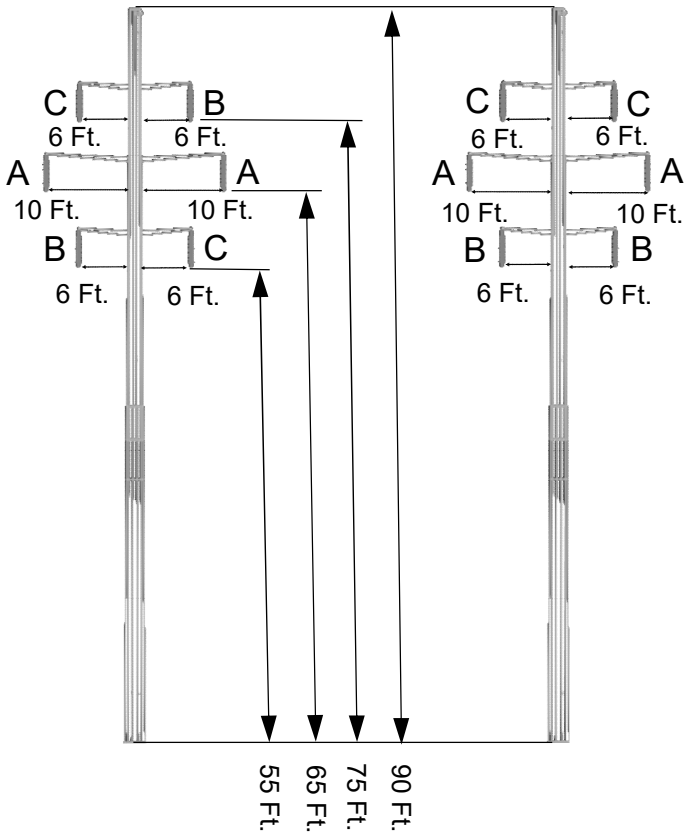
Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 90 Ft. Length – 4 Ft.

The residential area is to the left as viewed in this graph.

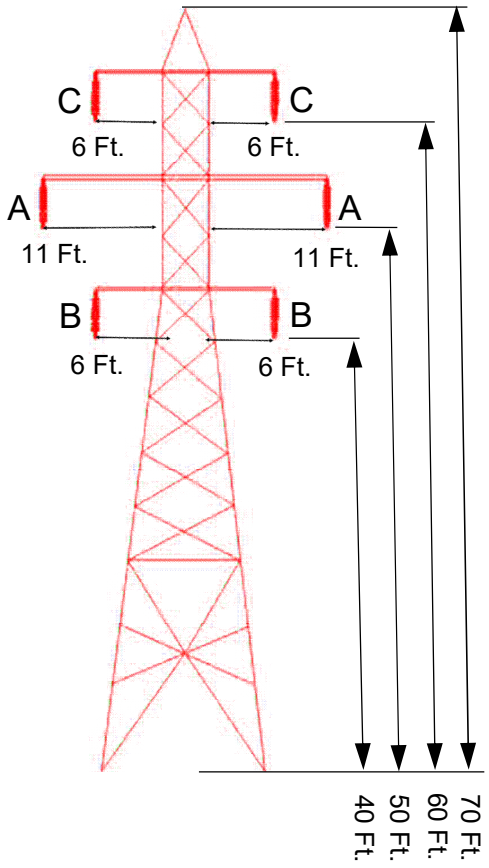
[65] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 81 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Segment 1 Section 4, Str. 707-708

Figure 82 – Typical Magnetic Field Levels for Segment 1 Section 4 Structure 683 – Structure 912, Str. 707-708 at 415 Amps

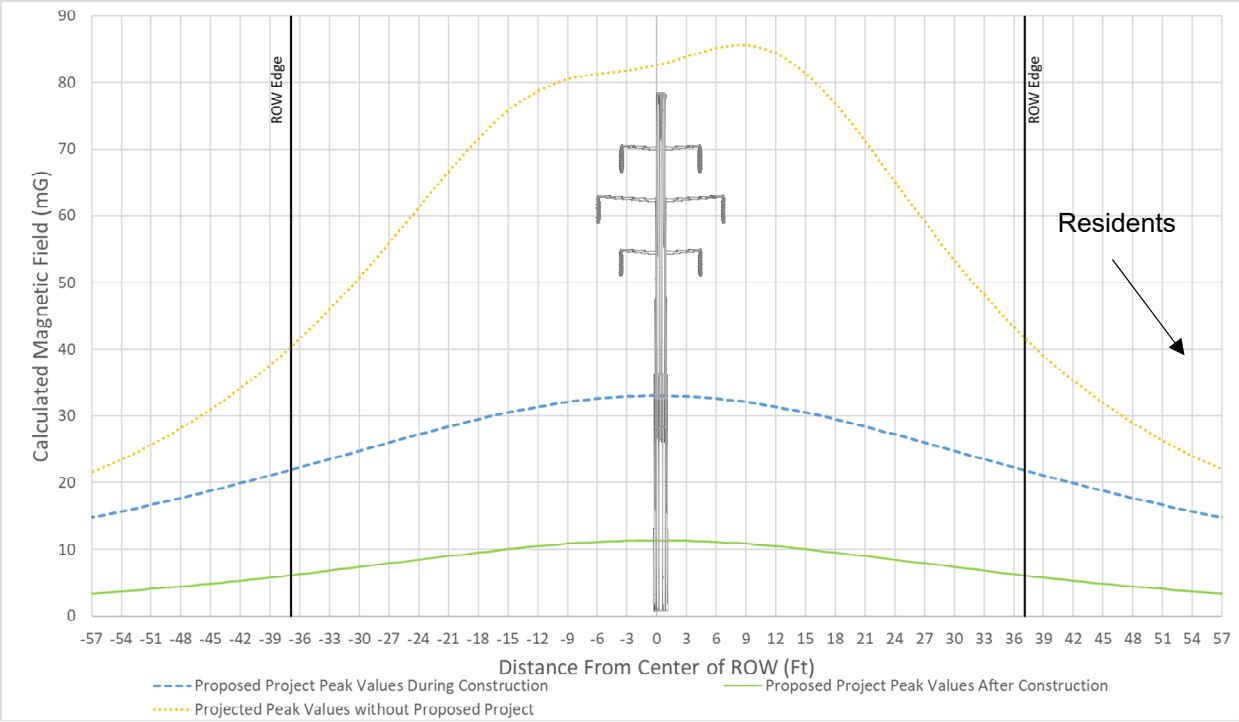


Table 48 – Comparison of Magnetic Fields at Edge of ROW for Segment 3 Str. 707-708

Design Options	Left Edge (mG)	% Change[66]	Right Edge (mG)	% Change[66]
Projected Peak Values without Proposed Project 115 kV T/L	40.22	N/A	41.849	N/A
Proposed 115 kV T/L During Construction	21.844	46% Decrease	21.844	48% Decrease
Proposed 115 kV T/L After Construction	6.046	85% Decrease	6.046	86% Decrease

All calculations were made at a height of 3 feet all across the ROW.

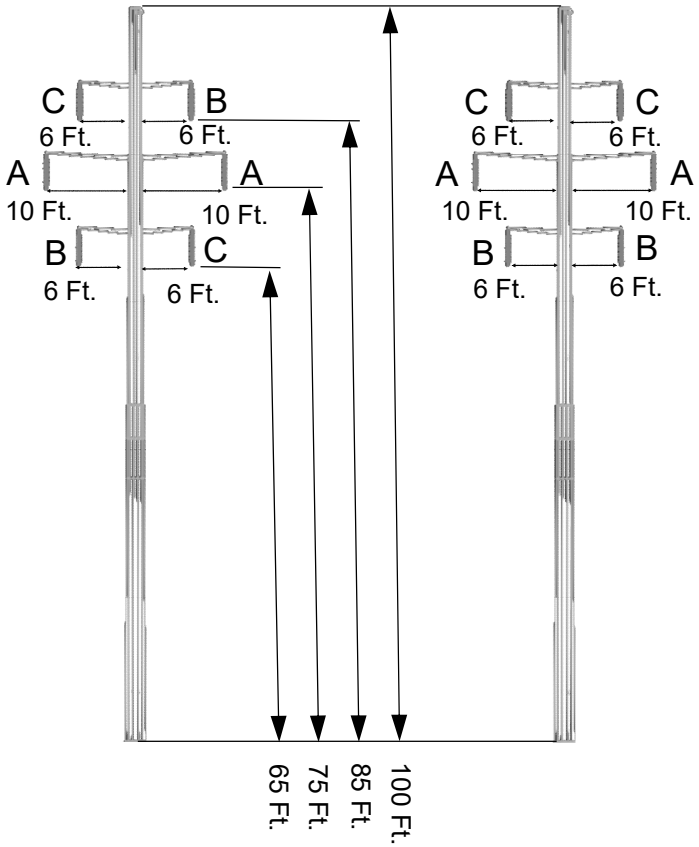
Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 100 Ft. Length – 4 Ft.

The residential area is to the right as viewed in this graph.

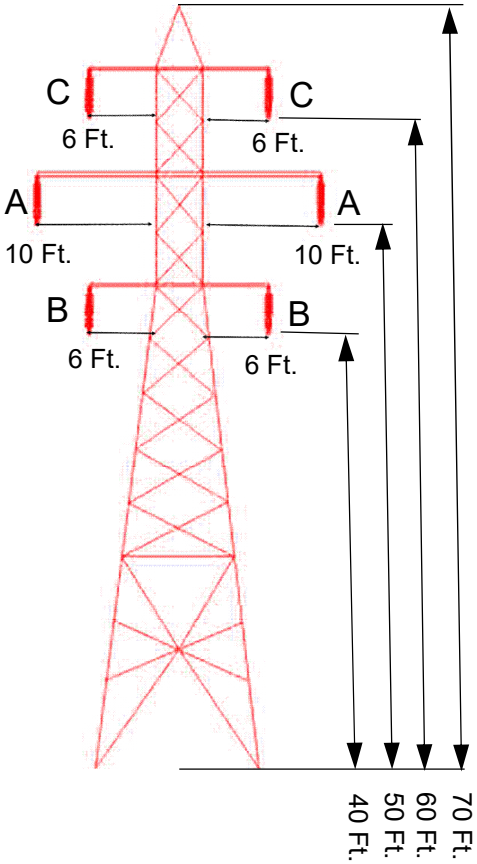
[66] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 83 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Segment 1 Section 5, Str. 1045-1046

Figure 84 – Typical Magnetic Field Levels for Segment 1 Section 5 Structure 912 – Inyokern Substation, Str. 1045-1046 at 415 Amps

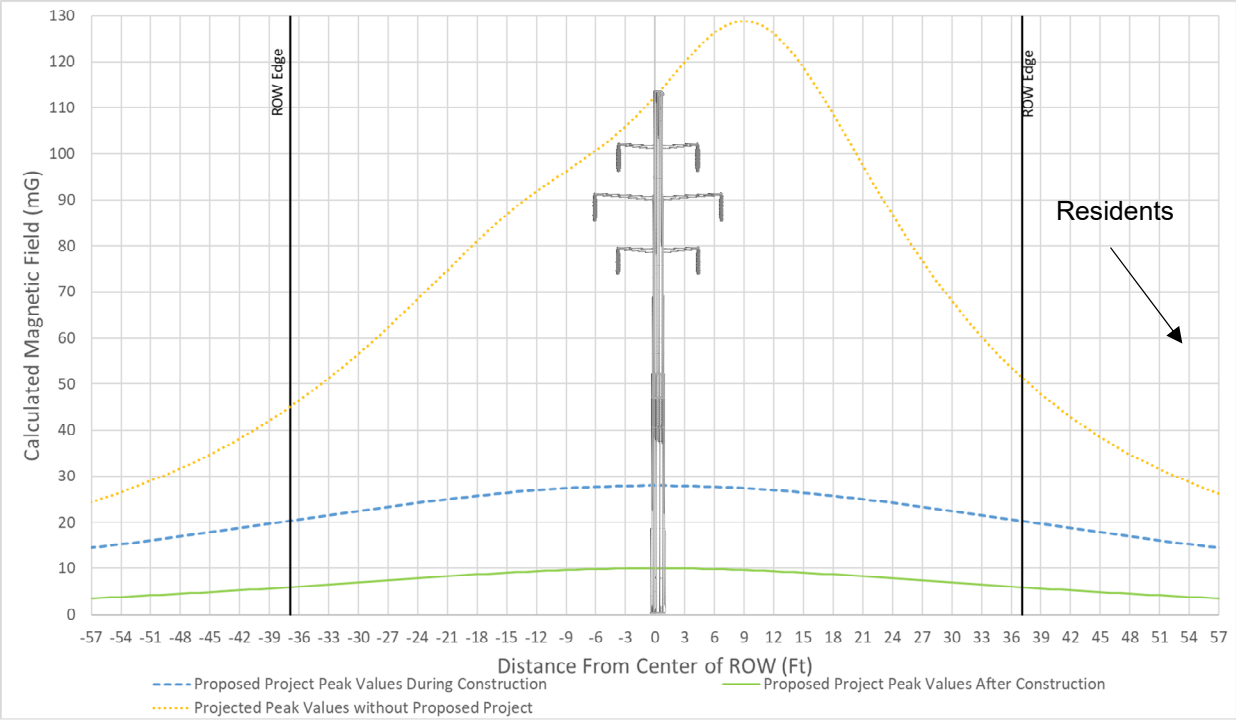


Table 49 – Comparison of Magnetic Fields at Edge of ROW for Segment 5 Str. 1045-1046

Design Options	Left Edge (mG)	% Change[67]	Right Edge (mG)	% Change[67]
Projected Peak Values without Proposed Project 115 kV T/L	44.968	N/A	51.628	N/A
Proposed 115 kV T/L During Construction	20.331	55% Decrease	20.331	61% Decrease
Proposed 115 kV T/L After Construction	5.926	87% Decrease	5.926	89% Decrease

All calculations were made at a height of 3 feet all across the ROW.

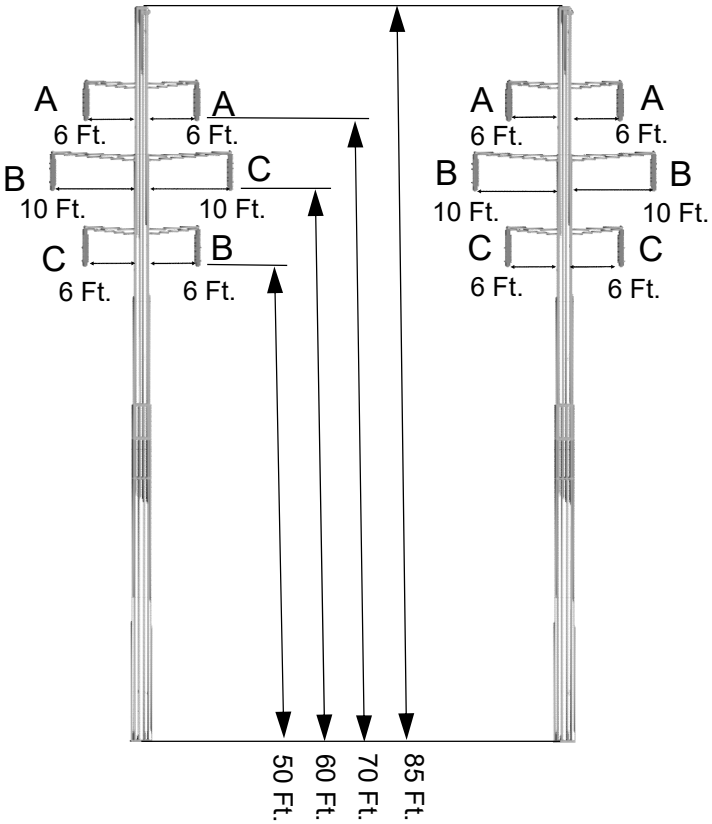
Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 85 Ft. Length – 4 Ft.

The residential area is to the right as viewed in this graph.

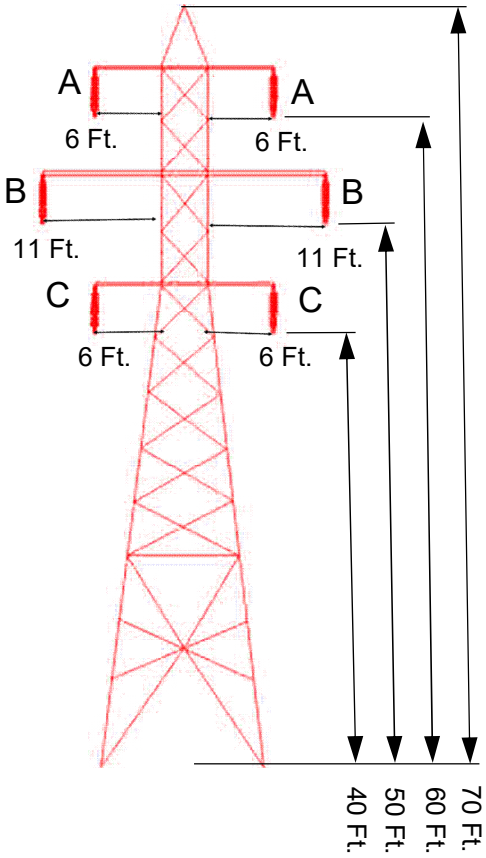
[67] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 85 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Segment 2 Section 1, Str. 121165 – 121166

Figure 86 – Typical Magnetic Field Levels for Segment 2 Section 1 Kramer Substation – Structure 121255, Str. 121165 – 121166 at 830 Amps

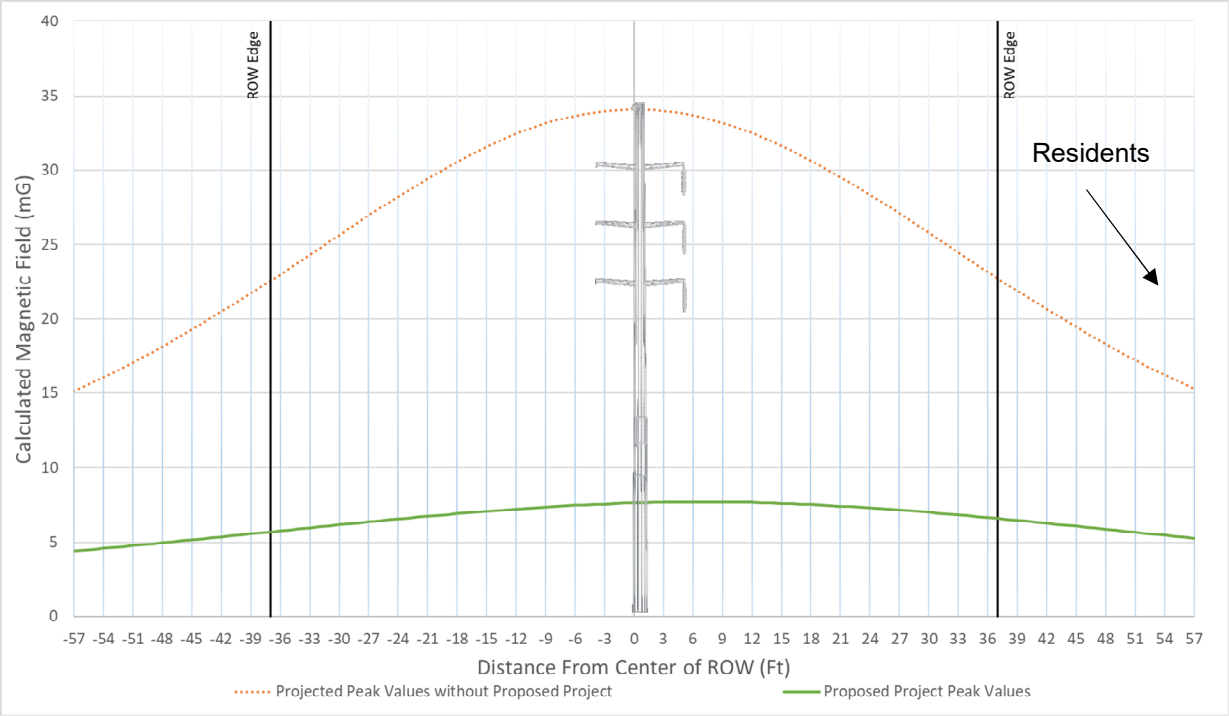


Table 50 – Comparison of Magnetic Fields at Edge of ROW for Segment 2 Section 1 Str. 121165 – 121166

Design Options	Left Edge (mG)	% Change[68]	Right Edge (mG)	% Change[68]
Projected Peak Values without Proposed Project 115 kV T/L	22.567	N/A	22.737	N/A
Proposed Project Peak Values 115 kV T/L	5.699	75% Decrease	6.591	71% Decrease

All calculations were made at a height of 3 feet all across the ROW.

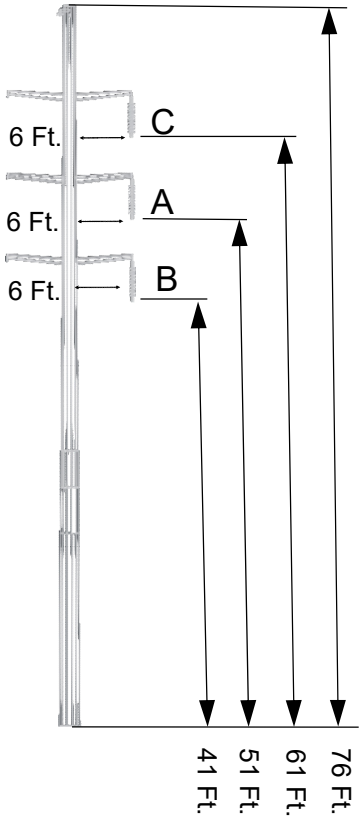
Tower Height and Insulator Length
Height – 68 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 76 Ft. Length – 4 Ft.

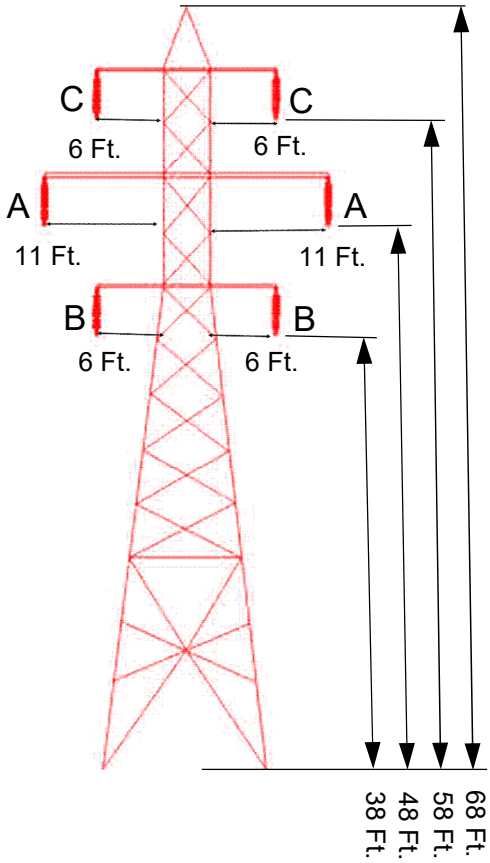
The residential area is to the right as viewed in this graph.

[68] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 87 – Tower and Insulator Dimensions and Phasing



Proposed:
Single Circuit – Monopole
Figure not to Scale

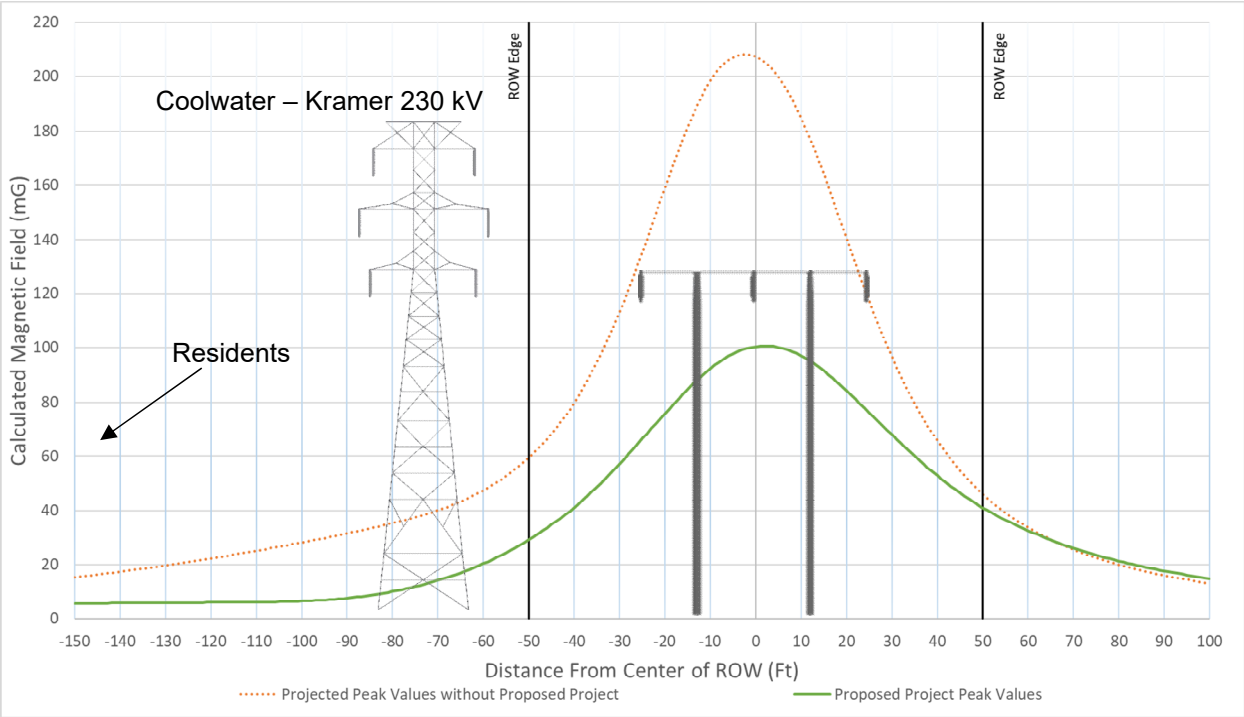


Existing:
Single Circuit – Lattice Tower
Figure not to Scale

Segment 3N, 2272 (Str. 1547460E_1547459E) – 2274 (W1546397E_E1546398E)

(Structure numbers are between brackets while the four digit numbers are the construction numbers)

Figure 88 – Typical Magnetic Field Levels for Segment 3N Kramer Substation – Coolwater Substation, Str. 1547460E_1547459E – 1546399E_1546400E at 950 Amps



Assuming Drake ACSR conductor, Top-Bottom phasing 0°,120°,240°-0°,120°,240°, and 400 Amps for parallel line.
Graph is extended to show the influence of the parallel line.

Table 51 – Comparison of Magnetic Fields at Edge of ROW for Segment 3N, Str. 1547460E_1547459E – 1546399E_1546400E

Design Options	Left Edge (mG)	% Change[69]	Right Edge (mG)	% Change[69]
Projected Peak Values without Proposed Project 115 kV T/L	59.417	N/A	47.67	N/A
Proposed Project Peak Values 115 kV T/L	29.053	51% Decrease	42.177	12% Decrease

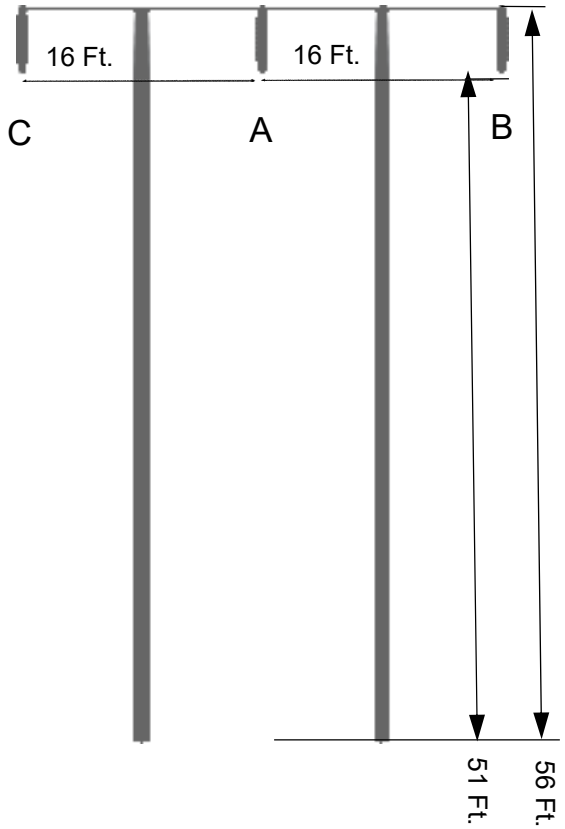
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 56 Ft. Length – 4.5 Ft.

The residential area is to the left as viewed in this graph.

[69] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 89 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 3S Section 1, 3192 (Str. NA560118AE_SA560118BE) – 3193 (NA560117AE_SA560117BE)

(Structure numbers are between brackets while the four digit numbers are the construction numbers)

Figure 90 – Typical Magnetic Field Levels for Segment 3S Section 1 Kramer Substation – Tortilla Substation, Str. NA560118AE_SA560118BE – NA560117AE_SA560117BE at 975 Amps

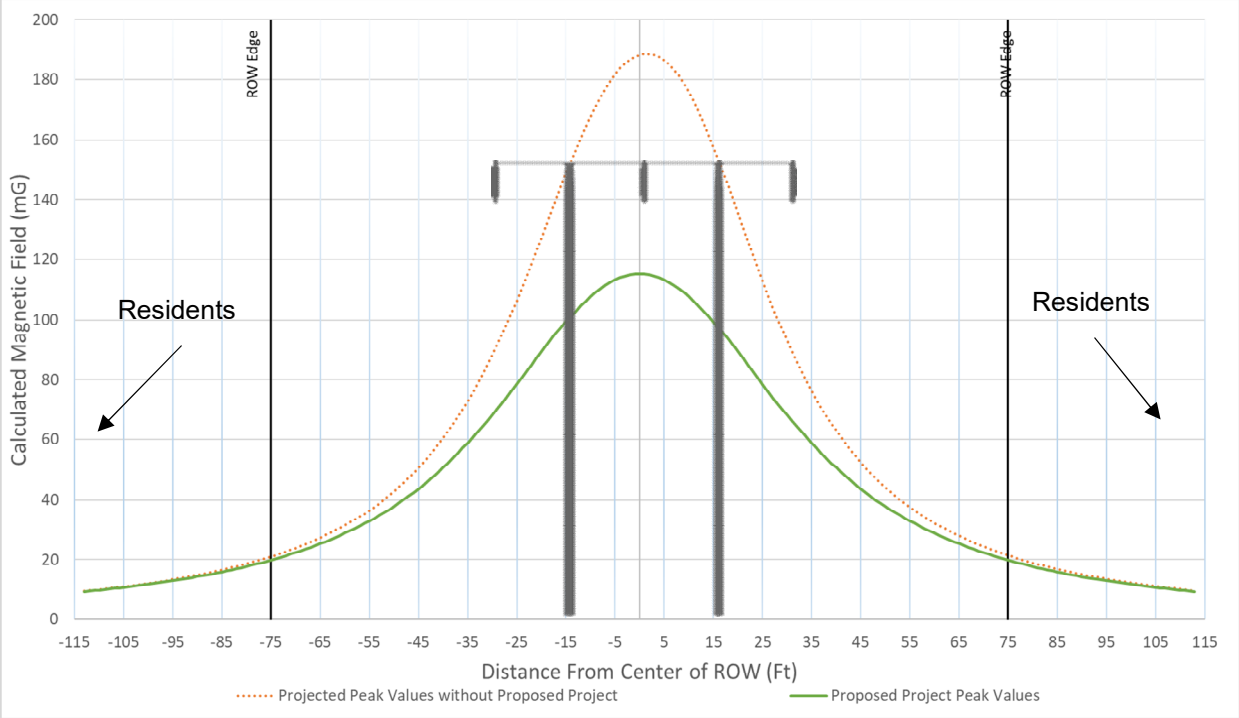


Table 52 – Comparison of Magnetic Fields at Edge of ROW for Segment 3S Section 1 Str. NA560118AE_SA560118BE – NA560117AE_SA560117BE

Design Options	Left Edge (mG)	% Change[70]	Right Edge (mG)	% Change[70]
Projected Peak Values without Proposed Project 115 kV T/L	21.063	N/A	21.989	N/A
Proposed Project Peak Values 115 kV T/L	19.907	5% Decrease	20.361	7% Decrease

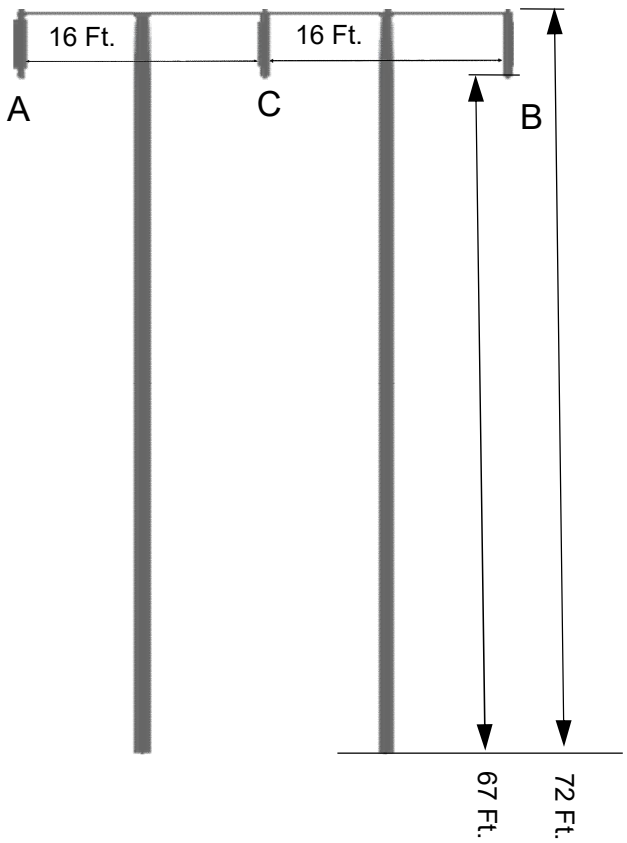
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 72 Ft. Length – 4.5 Ft.

The residential areas are on both sides as viewed in this graph.

[70] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 91 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 3S Section 1, Str. 3217 (NA560194AE_SA560194BE) – 3218 (NA560193AE_SA560193BE)

(Structure numbers are between brackets while the four digit numbers are the construction numbers)

Figure 92 – Typical Magnetic Field Levels for Segment 3S Section 1 Kramer Substation – Tortilla Substation, Str. NA560194AE_SA560194BE – NA560193AE_SA560193BE at 975 Amps

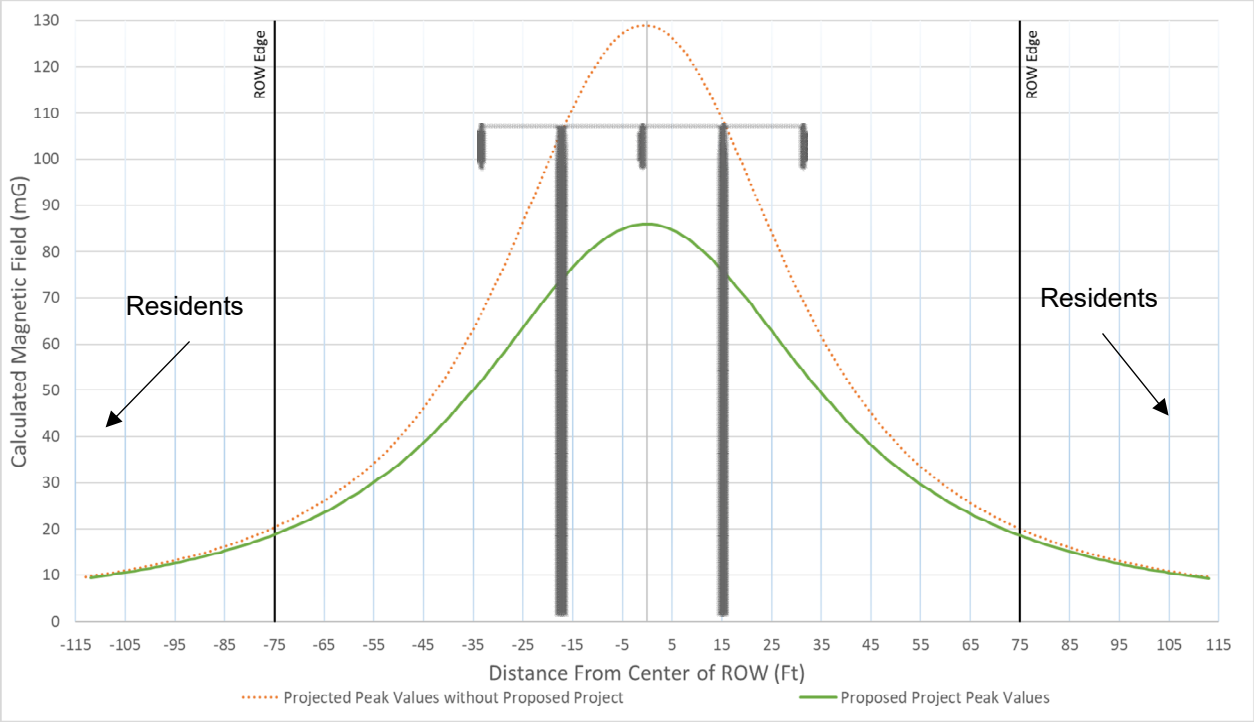


Table 53 – Comparison of Magnetic Fields at Edge of ROW for Segment 3S Section 1 Str. NA560194AE_SA560194BE– NA560193AE_SA560193BE

Design Options	Left Edge (mG)	% Change[71]	Right Edge (mG)	% Change[71]
Projected Peak Values without Proposed Project 115 kV T/L	20.409	N/A	20.56	N/A
Proposed Project Peak Values 115 kV T/L	18.866	8% Decrease	19.077	7% Decrease

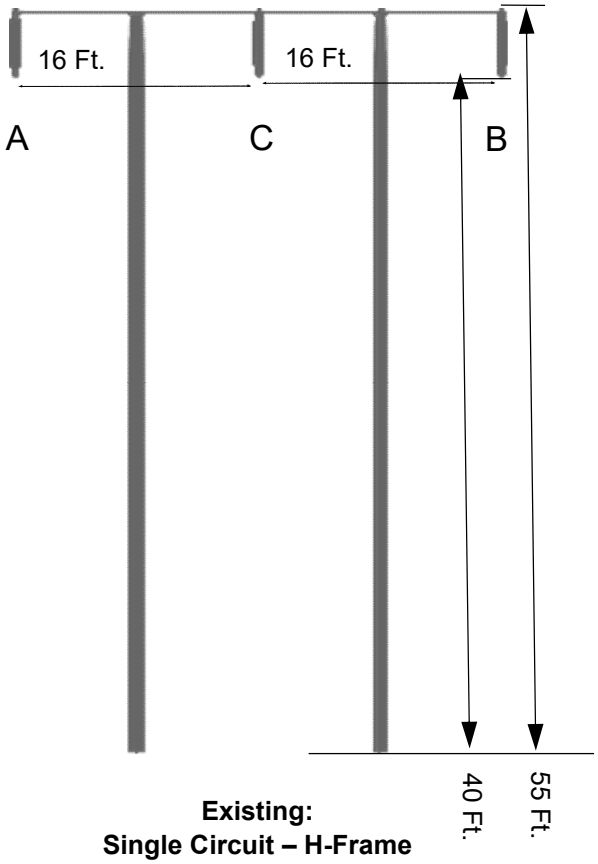
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 55 Ft. Length – 4.5 Ft.

The residential areas are on both sides as viewed in this graph.

[71] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

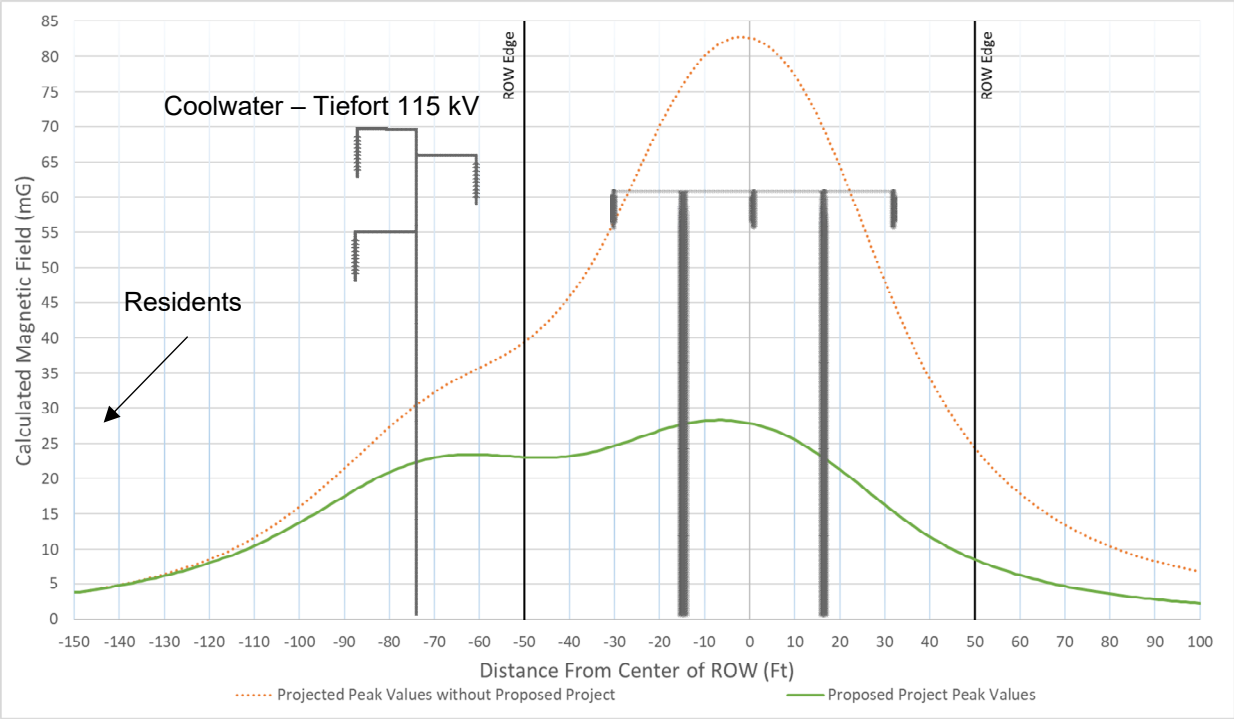
Figure 93 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 1, Str. 128571 – 128572

Figure 94 – Typical Magnetic Field Levels for Segment 4 Section 1 Coolwater Substation – Structure 128574, Str. 128571 – 128572 at 165 Amps



Assuming Partridge ACSR conductor, Top-Bottom phasing 0°,120°,240° and 400 Amps for parallel line. Graph is extended to show the influence of the parallel line.

Table 54 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 1, Str. 128571 – 128572

Design Options	Left Edge (mG)	% Change[72]	Right Edge (mG)	% Change[72]
Projected Peak Values without Proposed Project 115 kV T/L	39.457	N/A	25.233	N/A
Proposed Project Peak Values 115 kV T/L	23.098	41% Decrease	8.789	65% Decrease

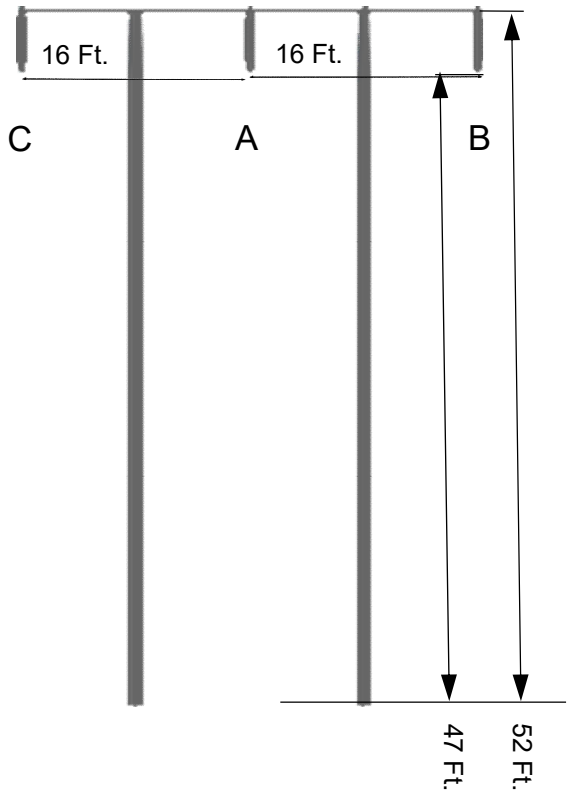
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

The residential area is to the left as viewed in this graph.

[72] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 95 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 2, Str. 128608 – 128609

Figure 96 – Typical Magnetic Field Levels for Segment 4 Section 2 Structure 128595 – Structure 128638, Str. 128608 – 128609 at 165 Amps

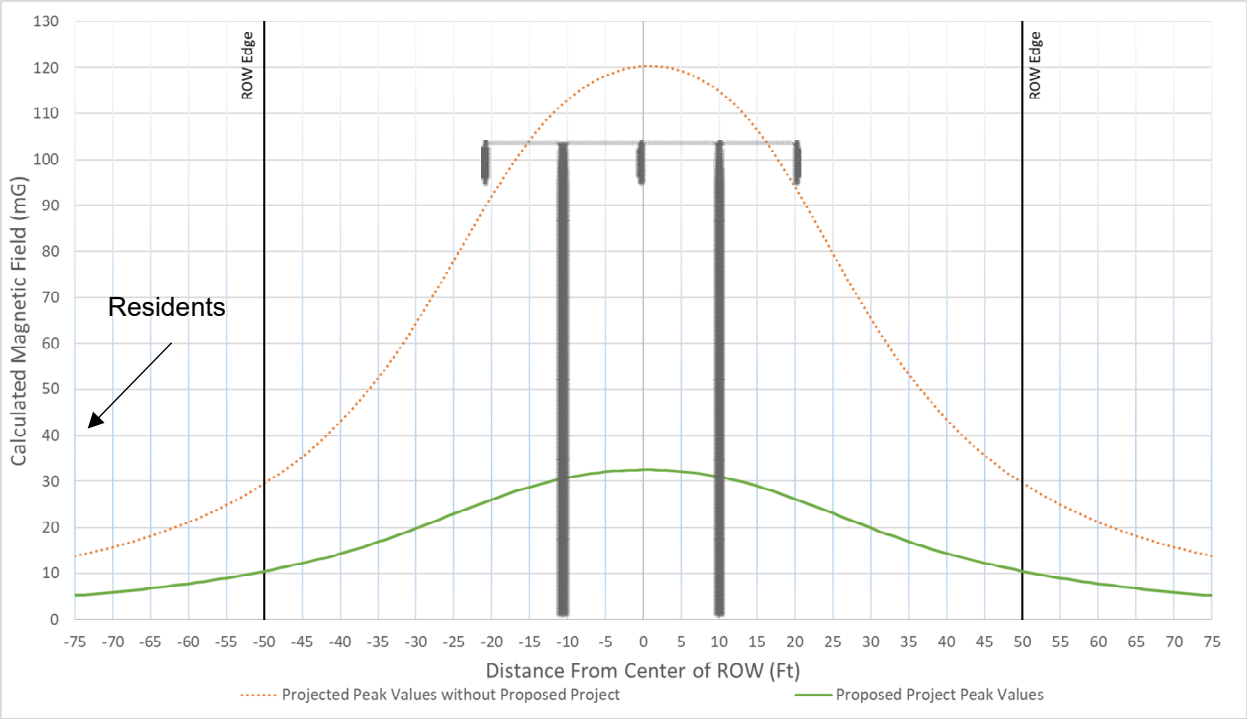


Table 55 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 2, Str. 128608 – 128609

Design Options	Left Edge (mG)	% Change[73]	Right Edge (mG)	% Change[73]
Projected Peak Values without Proposed Project 115 kV T/L	29.556	N/A	30.778	N/A
Proposed Project Peak Values 115 kV T/L	10.442	65% Decrease	10.784	65% Decrease

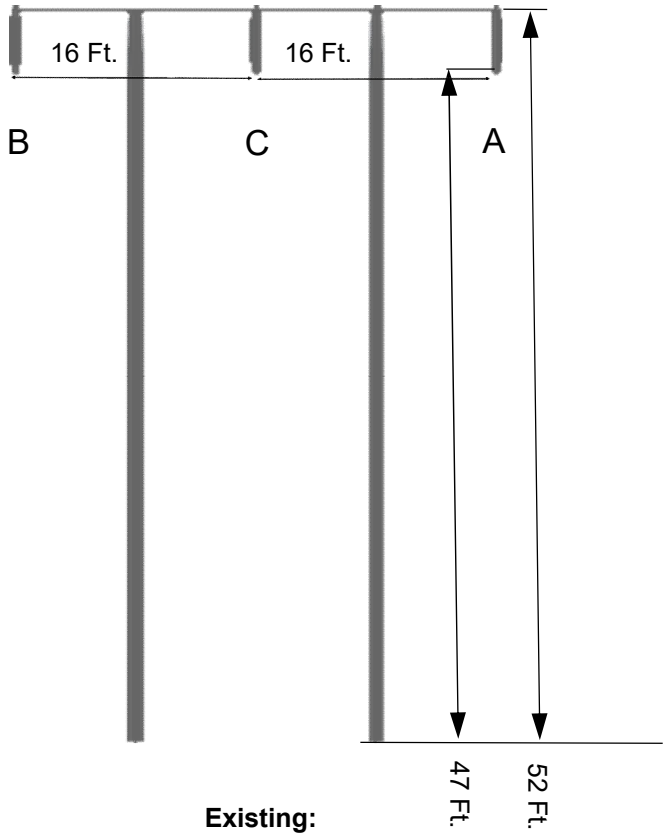
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

The residential area is to the left as viewed in this graph.

[73] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 97 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Appendix G

Amendments to SCE's *Application Of Southern California Edison Company (U 338-E) For A Permit To Construct Electrical Facilities With Voltages Between 50kv And 200 kV: Ivanpah-Control Project*, filed July 17, 2019

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 50kV and 200 kV: Ivanpah-Control Project.	Application No. 19-07-015

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

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Date: ~~July 17~~April 13, ~~2019~~2020

Amended Application of Southern California Edison Company (U 338-E) for a Permit to Construct Electrical Facilities With Voltages Between 50 ~~Kv~~kV And 200 ~~Kv~~kV: Ivanpah Control Project

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Amended Application of Southern California Edison Company (U 338-E) for a Permit to Construct Electrical Facilities With Voltages Between 50 ~~Kv~~kV And 200 ~~Kv~~kV: Ivanpah Control Project

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Amended Application of Southern California Edison Company (U 338-E) for a Permit to Construct Electrical Facilities With Voltages Between 50 ~~Kv~~kV And 200 ~~Kv~~kV: Ivanpah Control Project

Table Of Contents (Continued)

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: Ivanpah-Control Project.	Application No. 19-07-015

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

I.

INTRODUCTION

Pursuant to California Public Utilities Commission ("Commission" or "CPUC"), ~~General Order 131-D ("G.O. 131-D")~~ Rule of Practice and Procedure 1.12 and Administrative Law Judge ("ALJ") Hallie Yacknin's March 3, 2020 *E-mail Ruling Granting Leave to Amend Application*, Southern California Edison Company ("SCE") hereby submits this amended application ("Amended Application") for a Permit to Construct ("PTC") for the Ivanpah-Control Project ("IC Project"). Rule 1.12(a) states that amendments to applications typically should be filed prior to the issuance of a scoping memo. In this proceeding, although an *Assigned Commissioner's Scoping Memo and Ruling* ("Scoping Memo"") was issued on September 23, 2019, ALJ Yacknin's March 3, 2020 e-mail ruling granted SCE leave to amend its application subsequent to the issuance of the Scoping Memo.

On July 17, 2019, SCE filed an application entitled *Application Of Southern California Edison Company (U 338-E) For A Permit To Construct Electrical Facilities With Voltages Between 50kV And 200 kV: Ivanpah-Control Project* (the "Original Application") seeking issuance of a PTC from the CPUC for the IC Project, and SCE submitted a *Proponent's Environmental Assessment* ("Original PEA") for the IC Project concurrently with that Original Application. Notice of the filing of the Original Application was provided pursuant to section XI of CPUC General Order 131-D ("G.O. 131-D").

On August 14, 2019, the CPUC's Energy Division sent a letter to SCE indicating that it had determined that the Original Application was incomplete and that certain revisions were required in order to establish a complete application (the "Deficiency Letter"). In response to the Deficiency Letter and other emerging information that had become available to SCE subsequent to the filing of the Original Application, SCE determined that the proposed IC Project scope should be modified and an amended application for a PTC for the IC Project should be filed to replace the Original Application. Pursuant to G.O. 131-D, SCE respectfully submits this ~~application (~~Amended Application~~)~~ for a ~~permit to construct (~~"PTC"~~)~~ authorizing SCE to construct the ~~proposed project known as the Ivanpah-Control Project ("IC Project").~~ IC Project. Amendments to the Original Application are shown in APPENDIX G with underlined text for additions and with strikethrough for text that is deleted. Unless otherwise noted, all remaining portions of the Original Application remain unchanged.

In addition, SCE has also prepared a PEA that analyzes the revised IC Project scope (the "April 2020 PEA"). The April 2020 PEA supersedes in its entirety the Original PEA dated July 2019 which was submitted in conjunction with SCE's Original Application. The April 2020 PEA is being submitted concurrently with this Amended Application.

II.

PROJECT SCOPE AND BACKGROUND

The purpose of the IC Project is to remediate physical clearance discrepancies identified on some of SCE's existing 115 kilovolt ("kV") subtransmission lines.[1]

CPUC General Order 95 ("G.O. 95") Rules 37 through 39 specify minimum vertical and horizontal clearances ~~that must~~to be maintained between an electrical conductor and other conductors, or between a conductor and the ground, buildings, and a variety of other objects.

In 2006, SCE identified discrepancies along many of its circuits where minimum clearances are not being met compared to ~~what is required by GO~~G.O. 95 standards. In response, SCE established its Transmission Line Rating Remediation ("TLRR") Program. The TLRR Program is focused on developing and implementing engineering solutions for each identified discrepancy~~, and thereby bringing~~ to bring the circuits into compliance with ~~CPUC~~standards contained in G.O. 95 ~~by meeting~~and the California Independent System Operator ("CAISO") 2008 ~~ampere rating registry~~Transmission Register. SCE is ~~planning~~committed to undertaking all reasonable efforts to remediate all discrepancies on its bulk electric system facilities by 2025 and to fix all discrepancies on its ~~66 kV and~~ 115 kV radial lines by 2030. All subtransmission lines which make up the IC Project are 115 kV and are also a part of the bulk electric system, and SCE is committed to undertaking all reasonable efforts to correct these discrepancies prior to January 1, 2025.

Pursuant to the TLRR Program, SCE identified approximately 2,950 discrepancies along the following 115 kV subtransmission line circuits~~, among others~~:

- Control-Haiwee-Inyokern
- Control-Coso-Haiwee-Inyokern
- Kramer-Inyokern Randsburg No. 1
- Kramer-Coolwater~~ – Kramer~~
- Kramer-Tortilla
- Coolwater-SEGS2-Tortilla

[1] SCE identifies electrical lines operated at voltages between 50 ~~kilovolts (~~kV~~)~~ and 200 kV as subtransmission lines or subtransmission circuits. Electrical lines operated at voltages greater than 200 kV are identified as transmission lines.

- Ivanpah-Baker-Coolwater-Dunn Siding-Mountain Pass

These circuits are located in portions of unincorporated Inyo County, Kern County, and San Bernardino County, and within the City of Barstow, and the remediation of discrepancies along these specific circuits constitutes the scope of the IC Project. ~~Because all of these circuits are 115 kV rated and also a part of the bulk transmission system, they are expected to be corrected by 2025.~~

As discussed in greater detail in the ~~Proponent's Environmental Assessment ("~~April 2020 PEA~~")~~ submitted in conjunction with this Amended Application, SCE has identified a variety of ways to accomplish the IC Project. ~~For purposes of a conservative and complete analysis of all potential environmental impacts associated with the IC Project, the PEA filed with this Application describes and analyzes the environmental impacts associated with a scope of work that would involve the complete rebuild of existing SCE facilities~~ During the PEA preparation process, SCE identified a number of ways to remediate identified discrepancies along five subtransmission line segments spanning 358 miles between Ivanpah Substation and SCE's Control Substation ~~(which have been identified for purposes of the IC Project as Segment 1, Segment 2, Segment 3 North or "3N", Segment 3 South or "3S" and Segment 4). This complete rebuild scope is identified as the "Full Rebuild Concept" in the PEA.~~

~~In addition, during the PEA preparation process, SCE identified a number of potential alternatives to the Full Rebuild Concept~~ and assessed them for feasibility and potential environmental impacts.[2] In addition, SCE also pledged to continue analyzing additional methods to remediate

[2] The five segments are comprised of the following:

- Segment 1 includes the Control-Coso-Haiwee-Inyokern 115 kV circuit and the Control-Haiwee-Inyokern 115 kV circuit. Segment 1 spans approximately 126 miles from the existing Control Substation in the north to the existing Inyokern Substation in the south.
- Segment 2 includes the Kramer-Inyokern-Randsburg No.1 115 kV circuit. This is a 'box loop' circuit, whereby two sets of conductors (six wires) are operated as a single circuit. Segment 2 spans approximately 48 miles from the existing Inyokern Substation in the north to the existing Kramer Substation in the south and includes the existing Randsburg Substation between the two.
- Segment 3N includes the Kramer-Coolwater 115 kV circuit. Segment 3N spans approximately 44 miles from the existing Kramer Substation in the west to the existing Coolwater Substation in the east.

(*Continued*)

discrepancies, even after the Original Application was filed. Therefore, to ensure that the broadest possible scope of work (and consequently the broadest scope of potential environmental impacts) would be analyzed, SCE's Original PEA analyzed the impacts of an IC Project that would involve full demolition and rebuilding of all five segments. Nevertheless, despite that conservative analysis in the Original PEA, SCE's Original Application declared that SCE's preferred scope for the IC Project would involve a lesser-scale alternative – namely, fully rebuilding certain subtransmission line segments (*i.e.,* Segments 1, 2 and 3S) while "derating" (*i.e.*, reducing the amount of current that wires are allowed to carry) conductors in other segments (*i.e.,* Segment 3N and Segment 4).

However, as it pledged to do, SCE continued to analyze alternative methods for remediating discrepancies on these five circuits, even after the Original Application was filed. As a result of that effort, ~~and as discussed more fully in the PEA, SCE identified "Alternative E" as an alternative~~SCE determined that certain methods would accomplish ~~most of~~ the ~~IC Project objectives~~necessary remediation with ~~fewer~~less environmental ~~impacts compared to the Full Rebuild Concept, and on that basis SCE respectfully requests approval of a PTC authorizing SCE to implement Alternative E. Alternative E consists~~impact than the scope of work described in the Original Application. Therefore, SCE has revised its preferred and proposed scope of work for the IC Project to consist of the following major components:

- ~~Rebuild~~Full rebuild of Segment 1;
- ~~Rebuild~~Full rebuild of Segment 2;
- ~~Derating of Segment 3N, with remediation of any individual discrepancies that might remain even after derating;~~ Reconductor and replace structures on Segment 3N;

- Segment 3S includes the Kramer-Tortilla 115 kV circuit and a portion of the Coolwater-SEGS2-Tortilla 115 kV circuit. Segment 3S spans approximately 44 miles from the existing Kramer Substation in the west to the existing Coolwater Substation in the east and includes the existing Tortilla Substation between the two.
- Segment 4 includes the Ivanpah-Baker-Coolwater-Dunn Siding-Mountain Pass 115 kV circuit. Segment 4 spans approximately 96 miles from the existing Coolwater Substation in the west to the existing Ivanpah Substation in the east, and includes the existing Dunn Siding, Baker, and Mountain Pass substations between the two.

- ~~Rebuild of~~Reconductor and replace structures on Segment 3S ~~as a double-circuit pole line~~; and
- ~~Derating of~~Derate and replace structures on Segment 4~~, with remediation of any individual discrepancies that might remain even after derating~~.

~~Alternative E represents a reduction in physical work scope compared to the Full Rebuild Concept. The primary difference is that whereas the Full Rebuild Concept would involve full rebuilds of each and every segment of the IC Project, Alternative E would avoid some of that rebuild by "derating" (i.e., reducing the amount of current that wires are allowed to carry) conductors in Segment 3N and Segment 4. Derating lines would reduce some conductor sag even without additional physical work, and would thereby alleviate many of the individual discrepancies in those segments. Some individual discrepancies would still have to be separately remediated, but those would be significantly fewer in number than under the Full Rebuild Concept.~~

Collectively, this revised scope of work replaces the previous scope of work described in the Original Application. As noted above, the revised IC Project represents a reduction in physical work scope compared to the scope of the IC Project described in the Original Application. In particular, SCE's revised IC Project would decrease environmental impacts by reconductoring, rather than rebuilding, Segment 3N and derating Segment 3S.

~~II.~~III.

~~BACKGROUND AND~~ SUMMARY OF REQUEST

As described further in April 2020 PEA *Chapter 2 – Project Purpose and Need and Objectives*, the IC Project is being proposed to meet the following objectives:

- Ensure compliance with CPUC General Order 95 and North American Electric Reliability Corporation ("NERC") Facility Ratings for the components associated with the IC Project ~~by 2025~~.
- Continue to provide safe and reliable electrical service.
- Meet IC Project needs while minimizing environmental impacts.

- Design and construct the physical components of the IC Project in conformance with industry and/or SCE's approved engineering, design, and construction standards for substation and subtransmission system projects.

~~The IC Project contains five distinct Segments:~~

~~• Segment 1 includes the Control-Coso-Haiwee-Inyokern 115 kV circuit and the Control-Haiwee-Inyokern 115 kV circuit. Segment 1 spans approximately 126 miles from the existing Control Substation in the north to the existing Inyokern Substation in the south.~~

~~• Segment 2 includes the Kramer-Inyokern-Randsburg No.1 115 kV circuit. This is a 'box loop' circuit, whereby two sets of conductors (six wires) are operated as a single circuit. Segment 2 spans approximately 48 miles from the existing Inyokern Substation in the north to the existing Kramer Substation in the south and includes the existing Randsburg Substation between the two.~~

~~• Segment 3N includes the Kramer-Coolwater 115 kV circuit. Segment 3N spans approximately 44 miles from the existing Kramer Substation in the west to the existing Coolwater Substation in the east.~~

~~• Segment 3S includes the Kramer-Tortilla 115 kV circuit and a portion of the Coolwater-SEGS2-Tortilla 115 kV circuit. Segment 3S spans approximately 44 miles from the existing Kramer Substation in the west to the existing Coolwater Substation in the east and includes the existing Tortilla Substation between the two.~~

~~• Segment 4 includes the Ivanpah-Baker-Coolwater-Dunn Siding-Mountain Pass 115 kV circuit. Segment 4 spans approximately 96 miles from the existing Coolwater Substation in the west to the existing Ivanpah Substation in the east, and includes the existing Dunn Siding, Baker, and Mountain Pass substations between the two.~~

As presented in the April 2020 PEA Chapter 5, SCE analyzed six types of specific corrective actions through which G.O. 95 discrepancies may be remediated ~~have been analyzed~~: 1) ~~Rebuild; 2)~~ Decommission and Remove; ~~3~~2) Operating Voltage Increase; 43) Energy Storage; ~~5~~4) Derate Only; 5) Reconductor and Remediate Remaining G.O. 95 Discrepancies; and 6) Derate and Remediate Remaining ~~G.O.~~GO 95 Discrepancies. Based on the results of the feasibility of each corrective action for each IC Project segment, ~~six~~five comprehensive Project Alternatives (A-E) were developed. These ~~six~~five alternatives do not correspond directly to the six types of corrective actions, but rather, as described further in ~~PEA~~ Chapter 5 of the April 2020 PEA, they incorporate various components or some of the six corrective action types, sometimes in combinations. ~~In addition, as described further in the PEA, SCE continues to develop and evaluate alternatives and corrective action strategies beyond~~

~~those discussed in the PEA. SCE expects to supplement the PEA with an additional report regarding the potential feasibility and environmental impacts associated with such additional alternatives.~~

As part of its evaluation of potential alternatives, SCE engaged in discussions with the CAISO regarding the viability of some of the comprehensive Project Alternatives. In particular, SCE requested that the CAISO line rating for certain circuits be lowered (*i.e.,* derated) with certain upgrades; that is, SCE requested that these circuits operate at a reduced amperage. Operating these circuits at a lower amperage will reduce the maximum operating temperature at which the conductors that comprise these circuits operate. The reduction in the operating temperature will cause the conductors to sag less~~; that is~~, increasing the distance between the ground and the conductor ~~will be increased~~. The reduction in sag will, in and of itself, allow for a reduced scope of work.

~~SCE originally anticipated that CAISO would complete its review of SCE's derating request early in the second quarter of 2019, after SCE's planned submission of a PTC Application for the IC Project. In order to not delay the CPUC's analysis and permitting processes, SCE developed the PEA to describe the Full Rebuild Concept to capture and analyze the impacts most comprehensive scope of work that could be employed to remediate discrepancies along the circuits included under the IC Project.[3]~~ Late in the first quarter of 2019, CAISO informed SCE ~~received the results of the~~that CAISO

~~3 The Full Rebuild Concept consists of the following major components:~~

- ~~Subtransmission, Rebuild – Rebuild 358 miles of existing 115 kilovolt (kV) subtransmission circuits by:~~
  - ~~Removing existing subtransmission towers and poles and replacing them with tubular steel poles (TSPs), lightweight steel (LWS) poles, LWS pole H-frames, and multi-pole TSP and LWS pole structures.~~
  - ~~Removing existing conductor and installing new Aluminum Conductor Composite Core (ACCC) 'Dove' conductor on replacement structures.~~
  - ~~Installing overhead groundwire (OHGW) in some locations for system protection.~~
- ~~**Distribution**~~
  - ~~Remove existing distribution conductor and appurtenances and install new distribution conductor and appurtenances on replacement structures.~~
- ~~**Telecommunications/System Protection**~~
  - ~~Install approximately 360 miles of optical groundwire (OPGW) and/or All-Dielectric Self-Supporting (ADSS) fiber optic cable overhead on replacement structures and new structures.~~

(*Continued*)

~~review: the CAISO review~~ did not identify any concerns regarding the suitability of derating as a means to remediate discrepancies in Segment 3N, 3S, or 4. As a result, SCE incorporated derating as a corrective action into ~~several comprehensive~~ all Alternatives described in Chapter 5 of the April 2020 PEA~~, namely comprehensive Alternatives C, D, and E~~.

In addition, even after the Original Application was filed, SCE continued to expand its analysis of corrective actions for remediating G.O. 95 discrepancies. In Fall 2019, SCE concluded that reconductoring certain circuits with lighter conductor, that is less prone to sagging, could remediate discrepancies on some of the IC Project circuits.

Based on ~~the~~SCE's analysis of ~~those~~corrective actions and alternatives ~~(and others)~~ in the April 2020 PEA, SCE has identified ~~Alternative E~~the revised IC Project as its proposed project. In particular, ~~Alternative E~~the revised IC Project includes the following components:

- **Subtransmission~~, Rebuild~~** ~~Rebuild 218~~
  - Remediate discrepancies along 262 miles of existing 115 ~~kilovolt (~~kV~~)~~ subtransmission circuits ~~in~~by:
    - ~~o~~ In Segments 1~~,~~ and 2, ~~and 3S by:~~
    - ~~o~~ ~~Removing~~removing all existing subtransmission towers and poles and replacing them with tubular steel poles ("TSPs")~~,~~; lightweight steel ("LWS") poles~~, LWS pole H-frames,~~; and ~~multi-pole TSP and LWS poles~~steel multipole structures~~.~~ constructed from TSPs and LWS poles

In Segments 3N and 3S, removing some existing subtransmission towers and poles and replacing them with steel multipole structures constructed from TSPs; wood multipole structures; and steel and wood H-frames constructed from LWS and wood poles.

In Segments 3N and 3S, installing fault-return conductor on replacement LWS poles and/or LWS H-frames for grounding protection, where necessary.

~~o Install approximately 2,500 feet of fiber optic cable underground within existing substations, and approximately 5,000 feet underground outside of existing substations.~~

~~o Install system protection and telecommunications-associated equipment at existing substations.~~

~~• **Substations**~~

~~o Disconnect existing conductor from existing positions at substations and connect new conductor to those existing positions.~~

~~o Install new OHGW and make minor modifications to the existing racks to accommodate the new OHGW.~~

~~o Install cabling between existing breakers to the existing mechanical electrical equipment room (MEER)/communication room/telecommunications cabinet and install new relay and protection racks in the existing MEER/communication room/telecommunications cabinet.~~

- ~~o~~ Removing existing conductor and installing new Aluminum Conductor Composite Core ("ACCC") 'Dove' conductor on replacement and existing structures.
- ~~o~~ Installing overhead groundwire ("OHGW") in some locations for system protection.
- ~~o Installing a double-circuit pole line in Segment 3S.~~

~~• Subtransmission, Derating and Remediating, Segment 3N – Derate the approximately 44 miles of existing 115 kV subtransmission circuits in Segment 3N by:~~

- ~~o Remediating 163 discrepancies by replacing 108 existing structures with a combination of 108 new LWS poles, LWS H-frames, and TSPs.~~

- ~~•~~ o ~~**Subtransmission, Derating and Remediating,**~~ In **Segment 4** ~~– Derate the approximately~~, remediate discrepancies along 96 miles of existing 115 kV subtransmission circuits ~~in Segment 4~~ by:

~~Remediating 74 discrepancies by installing 2 new LWS H-frames and replacing 61 existing structures with 59 LWS H-frames and 2 TSP H-frames~~

Derating the existing subtransmission circuit.

Replacing selected existing subtransmission structures with steel or wood H-frames constructed from TSPs, LWS poles, or wood poles.

- **Distribution**
  - Remove existing distribution conductor and appurtenances and install new distribution conductor and appurtenances on replacement structures.

- **Telecommunications/System Protection**
  - Install approximately ~~218~~174 miles of optical groundwire ("OPGW") and/or All-Dielectric Self-Supporting ("ADSS") fiber optic cable overhead on replacement structures and new structures ~~in Segments 1, 2, and 3S~~.
  - Install approximately ~~1,590~~1,390 feet of fiber optic cable underground within existing substations, and approximately ~~3,200~~2,190 feet underground outside of existing substations.
  - Install system protection and telecommunications-associated equipment at existing substations.

- **Substations**
  - ~~o Install a new 115/33/12 kV Ring Bus at Baker Substation~~
  - ~~o Provide new 115 kV line position at Kramer Substation for the new Coolwater-Kramer No.2 115 kV circuit~~
  - ~~o Provide new 115 kV line position at Coolwater Substation for the new Coolwater-Kramer No.2 115 kV circuit~~
  - Disconnect existing conductor from existing positions at substations and connect new conductor to those existing positions.
  - Install new OHGW and make minor modifications to the existing racks to accommodate the new OHGW.

o Install cabling between existing breakers to the existing mechanical electrical equipment room ("MEER")/communication room/telecommunications cabinet and install new relay and protection racks in the existing MEER/communication room/telecommunications cabinet.[4]

As described further in Chapter 5 of the PEA, Alternative E represents a reduction in the number facilities to be rebuilt compared to the Full Rebuild Concept.

The estimated cost of Alternative Ethe revised IC Project is approximately $643715 million in 20192020 constant dollars.[5] The April 2020 PEA prepared for the revised IC Project, including an analysis of the broadest scope of work necessarywhich discusses several alternatives to accomplish the revised IC Project's objectives (i.e., the Full Rebuild Conceptincluding a "No Project" alternative), is attached to this Amended Application. The April 2020 PEA will be referenced in this Amended Application, where appropriate, as the source of information required in an Application for a PTC[6] pursuant to G.O. 131-D, Section IX.B. A summary of the IC Project's purpose, need, and objectives is located in Chapter 2 of the April 2020 PEA. A complete description of the Full Rebuild Concept, provided for bounding purposes,Revised IC Project is located in Chapter 3 of the April 2020 PEA.

Construction of the IC Project is scheduled to begin in 3rd1st quarter 20222023 and scheduled to be completed by 2nd quarter 20252026. A detailed schedule for the IC Project is included in this Amended Application as APPENDIX C.

SCE requests that the Commission, upon completion of its review of this Amended Application, issue and certify an appropriate environmental document and issue a PTC authorizing SCE to construct the revised IC Project (in particular, Alternative E) as set forth in this Amended Application and the attached April 2020 PEA within the timelines set forth in Section IIIIV.H of this Amended Application.

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4 PEA Figures 5.2-7 and 5.2-9 show the electrical system topology in the Alternative E scope for Segment 3S and Segment 4.

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

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

~~III.~~IV.

STATUTORY AND PROCEDURAL REQUIREMENTS

A. Applicant

The applicant is Southern California Edison Company ("SCE"), an electric public utility company organized and existing under the laws of the State of California. SCE's principal place of business is 2244 Walnut Grove Avenue, Post Office Box 800, Rosemead, California 91770. Please address correspondence or communications in regard to this Application to:

Robert Pontelle
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Email: robert.pontelle@sce.com

With a copy to:

Case Administration
Southern California Edison Company
8631 Rush St.
Rosemead, California 91770
Phone: (626) 302-6906
Fax: (626) 302-5060
Email: case.admin@sce.com

B. Articles of Incorporation

A copy of SCE's Certificate of Restated Articles of Incorporation, effective on March 2, 2006, and presently in effect, certified by the California Secretary of State, was filed with the Commission on March 14, 2006, in connection with Application No. 06-03-020, and is incorporated herein by this reference pursuant to Rule 2.2 of the Commission's Rules of Practice and Procedure.

A copy of SCE's Certificate of Determination of Preferences of the Series D Preference Stock filed with the California Secretary of State on March 7, 2011, and presently in effect, certified by the California Secretary of State, was filed with the Commission on April 1, 2011, in connection with Application No. 11-04-001, as is incorporated herein by this reference.

A copy of SCE's Certificate of Determination of Preferences of the Series E Preference Stock filed with the California Secretary of State on January 12, 2012, and a copy of SCE's Certificate of Increase of Authorized Shares of the Series E Preference Stock filed with the California Secretary of State on January 31, 2012, and presently in effect, certified by the California Secretary of State, were filed with the Commission on March 5, 2012, in connection with ~~application~~Application No. 12-03-004, and are incorporated herein by this reference.

A copy of SCE's Certificate of Determination of Preferences of the Series F Preference Stock filed with the California Secretary of State on May 5, 2012, and presently in effect, certified by the California Secretary of State, was filed with the Commission on June 29, 2012, in connection with Application 12-06-017, and is by reference made a part hereof.

A copy of SCE's Certificate of Determination of Preferences of the Series G Preference Stock filed with the Secretary of State on January 24, 2013, and presently in effect, certified by the California Secretary of State, was filed with the Commission on January 31, 2013, in connection with Application No. 13-01-016, and is by reference made a part hereof.

A copy of SCE's Certificate of Determination of Preferences of the Series H Preference Stock filed with the California Secretary of State on February 28, 2014, and presently in effect, certified by the California Secretary of State, was filed with the Commission on March 24, 2014, in connection with Application 14-03-013, and is by reference made a part hereof.

A copy of SCE's Certificate of Determination of Preferences of the Series J Preference Stock filed with the California Secretary of State on August 19, 2015, and presently in effect, certified by the California Secretary of State, was filed with the Commission on October 2, 2015, in connection with Application No. 15-10-001, and is by reference made a part hereof.

A copy of SCE's Certificate of Determination of Preferences of the Series K Preference Stock, filed with the California Secretary of State on March 2, 2016, and presently in effect, certified by the California Secretary of State, was filed with the Commission on April 1, 2016, in connection with Application No. 16-14-001, and is by reference made a part hereof.

A copy of SCE's Certificate of Determination of Preferences of the Series L Preference Stock filed with the California Secretary of State on June 20, 2017, and presently in effect, certified by the California Secretary of State, was filed with the Commission on June 30, 2017, in connection with Application No. 17-06-030, and is incorporated herein by this reference.

Certain classes and series of SCE's capital stock are listed on a "national securities exchange" as defined in the Securities Exchange Act of 1934, and copies of SCE's latest Annual Report to Shareholders and its latest proxy statement sent to its shareholders has been filed with the Commission with a letter of transmittal dated March ~~18~~13, ~~2019~~2020, pursuant to Commission General Order Nos. 65-A and 104-A.

C. Balance Sheet and Statement of Income

APPENDIX A to this Amended Application contains copies of SCE's balance sheet and statement of income for the period ending ~~March~~December 31, 2019. The balance sheet reflects SCE's utility plant at original cost, less accumulated depreciation.

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

Pursuant to Commission Decision No. 59926, dated April 12, 1960, SCE uses accelerated depreciation for income tax purposes and "flows through" reductions in income tax to customers within the Commission's jurisdiction for property placed in service prior to 1981. Consistent with Decision No. 93848 in OII-24, SCE uses the Accelerated Cost Recovery System ("ACRS") and Modified Accelerated Cost Recovery System ("MACRS") for federal income tax purposes and "normalizes" reductions in income tax to customers for property placed in service after 1980 in compliance with the Economic Recovery Tax Act of 1981, and also in compliance with the Tax Reform Act of 1986. Pursuant to Decision No. 88-01-061, dated January 28, 1988, SCE uses a gross of tax interest rate in calculating the AFUDC Rate, and income tax normalization to account for the

increased income tax expense occasioned by the Tax Relief Act of 1986 provisions requiring capitalization of interest during construction for income tax purposes.

D. Description of Southern California Edison Company

SCE is a corporation organized and existing under the laws of the State of California, and is primarily engaged in the business of generating, purchasing, transmitting, distributing and selling electric energy for light, heat and power in portions of central and southern California as a public utility subject to the jurisdiction of the California Public Utilities Commission. SCE's properties, which are located primarily within the State of California, consist mainly of hydroelectric and thermal electric generating plants, together with transmission and distribution lines and other property necessary in connection with its business.

E. Service Territory

SCE's service territory is located in 15 counties in central and southern California, consisting of Fresno, Imperial, Inyo, Kern, Kings, Los Angeles, Madera, Mono, Orange, Riverside, Santa Barbara, San Bernardino, Tulare, Tuolumne,[7] and Ventura Counties, and includes approximately 201 incorporated communities as well as outlying rural territories. A list of the counties and municipalities served by SCE is attached hereto as APPENDIX B. SCE also supplies electricity to certain customers for resale under tariffs filed with the Federal Energy Regulatory Commission.

F. Location of Items Required in Permit to Construct Pursuant to G.O. 131-D Section IX.B

Much of the information required to be included in a PTC application pursuant to G.O. 131-D, Section IX.B is found in the ~~IC Project~~April 2020 PEA filed with this Amended Application.

Required PTC application information has been cross-referenced to the in the following text. The PTC application requirements of G.O. 131-D, Section IX.B are in ***bold italics***, and the April 2020 PEA references follow in bulleted plain text.

1. ***A description of the proposed power line or substation facilities, including the proposed power line route; proposed power line equipment, such as tower design and***

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

appearance, heights, conductor sizes, voltages, capacities, substations, switchyards, etc., and a proposed schedule for authorization, construction, and commencement of operation of the facilities.

- Descriptions of the IC Project~~, including the Full Rebuild Concept,~~ are found throughout the April 2020 PEA, including in Chapter 1, Chapter 2, Chapter 3, and Chapter 4. Descriptions of potential individual alternative corrective actions and comprehensive Project Alternatives~~, including Alternative E,~~ are discussed in ~~PEA~~ Chapter 5 of the April 2020 PEA. Descriptions of the IC Project alignment, referring to the locations where work ~~associated with the Full Rebuild Concept and Alternative E~~ generally would be done, are described in the April 2020 PEA in Section 3.1 ("Project Location") and all subsections contained therein, and illustrated in Figures/Figuresets 1.1-1 ("IC Project Location"), 1.1-2 ("Project Overview, Segment 1" and "Project Overview Segments 2, 3N, 3S, and 4") and 3.1-1 ("Project Segments")~~, as well as PEA Appendix E: Detailed Route Map.~~

- The physical characteristics of the equipment proposed to be included in the ~~Full Rebuild Concept (provided for bounding purposes),~~revised IC Project are described in the April 2020 PEA in Chapter 1, particularly in Section 1.1 ("Project Components") and Chapter 3, particularly in Sections 3.4 ("~~Full Rebuild Concept~~IC Project") and 3.5 ("Project Components"), and all subsections contained therein, and illustrated in Figures/Figuresets 3.5~~-1~~-1 ("Typical Structure Design"), 3.5-2 ("Independence Telecom Tap"), 3.5-3 ("Transmission Line Crossings"), 3.7-1 ("~~Staging~~Material Yards"), 3.7-2 ("Telecommunications Underground Routes"), and 3.7-3 ("SCE Telecommunications Conduit Install Details"). The physical characteristics of alternatives to the ~~Full Rebuild Concept, including Alternative E identified by SCE as its preferred project in this Application,~~revised IC Project are

described in April 2020 PEA Chapter 5, particularly in Section 5.2 ("Description of Project Alternatives and Impact Analysis").

- The revised IC Project Schedule is discussed in April 2020 PEA Section 3.7.6 ("Construction Schedule") and attached to this Amended Application as Appendix C.

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

- Locations of the revised IC Project alignment, which generally includes the locations where work ~~associated with the Full Rebuild Concept and Alternative E~~ would be done, are illustrated in April 2020 PEA Figures/Figuresets 1.1-1 ("IC Project Location"), 1.1-2 ("Project Overview, Segment 1" and "Project Overview Segments 2, 3N, 3S, and 4"), 3.1-1 ("Project Segments"), 3.5-2 ("Independence Telecom Tap"), 3.5-3 ("Transmission Line Crossings"), ~~Figuresets~~ 3.7-1 ("~~Staging~~Material Yards"), 3.7-2 ("Telecommunications Underground Routes"), and 4.7-1 ("Site Location Map")~~, as well as PEA Appendix E ("Detailed Route Map")~~.

- Maps and aerial photographs showing populated areas, parks, recreational areas, scenic areas, and land uses in the vicinity of the revised IC Project alignment are provided in April 2020 PEA Figures/Figuresets 1.1-1 ("IC Project Location"), 1.1-2 ("Project Overview, Segment 1" and "Project Overview Segments 2, 3N, 3S, and 4"), 3.1-1 ("Project Segments"), 3.5-2 ("Independence Telecom Tap"), 3.5-3 ("Transmission Line Crossings"), 3.7-1 ("~~Staging~~Material Yards"), 3.7-2 ("Telecommunications Underground Routes"), 4.1-1a ("Photograph Viewpoint Locations"), 4.1-1b ("Photograph Viewpoint Locations"), 4.1-1c ("BLM VRM

Classifications"), 4.1-1d ("BLM VRM Classifications"), 4.2-1 ("Prime Farmland, Unique Farmland, Farmland Of Statewide Importance"), 4.4-1 ("Ivanpah-Control Habitat Designations"), 4.4-2 ("Ivanpah-Control Sensitive Plant Species"), 4.4-3 ("Ivanpah-Control CNDDB Special-Status Plant Occurrences"), 4.4-4 ("Ivanpah-Control Sensitive Wildlife Species"), 4.4-5 ("Ivanpah-Control CNDDB Special-Status Wildlife Occurrences"), 4.4-6 ("Desert Tortoise Designated Critical Habitat"), 4.4-7 ("Yellow-Billed Cuckoo Proposed Critical Habitat"), 4.4-8 ("Mohave Ground Squirrel Probability of Occurrence"), 4.9-2 ("Airports and Airstrips"), 4.11-1 ("Land Use Designations"), 4.11-2 ("Zoning Designations"), 4.11-3 ("DRECP Land Designations"), 4.14-1 ("Cities, Reservations, And Census-Designated Places"), 4.15-1 ("Public Services Along The IC Project Alignment"), 4.16-1 ("Parks And Recreational Facilities"), 4.17-1 ("Truck Routes, Public Use Airports, And Railroads"), and 4.17-2 ("Potential Lane Closures And Road Crossings").

- Existing electrical system components along the IC Project alignment and within 300 feet thereof are described in April 2020 PEA Section 3.1 ("Project Location") and all subsections contained therein, and Section 3.2 ("Existing System") and all subsections contained therein, and are mapped/illustrated in Figures/Figuresets 3.1-1 ("Project ~~Components~~Segments"), 3.2-1 ("Existing System") and 3.5-3 ("Transmission Line Crossings"), 3.7-2 ("Telecommunications Underground Routes"), and 4.7-1 ("Site Location Map")~~, as well as PEA Appendix E ("Detailed Route Map")~~.

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

- Reasons for the construction of the revised IC Project, including the challenges and additional environmental impacts associated with alternative sites, can be found in April 2020 PEA Chapters 1, 2 and 5. As discussed in the April 2020 PEA, the IC Project involves remediation of clearance discrepancies on existing subtransmission infrastructure within an established IC Project alignment. Substantial deviation from that alignment would not be a reasonable approach to accomplishing the IC Project's objectives.

4. ***A listing of the governmental agencies with which proposed power line route or substation location reviews have been undertaken, including a written agency response to applicant's written request for a brief position statement by that agency. (Such listing shall include The Native American Heritage Commission, which shall constitute notice on California Indian Reservation Tribal governments.) In the absence of a written agency position statement, the utility may submit a statement of its understanding of the position of such agencies.***

- April 2020 PEA Section 1.4 ("Agency Coordination") describes the outreach that SCE has conducted to date with lead agencies and other agencies, including the CPUC, Bureau of Land Management ("BLM"), the counties of Inyo, Kern and San Bernardino; the City of Barstow, China Lake Naval Air Warfare Station, Edwards Air Force Base, Marine Corps Logistics Base Barstow, California Department of Transportation, California State Lands Commission, and Los Angeles Department of Water and Power. None of these agencies has expressed any objections with respect to the revised IC Project.

- April 2020 PEA Section ~~4.5.1.2~~4.5.3.1.2 describes SCE's efforts with respect to Native American Coordination. The Native American Heritage Commission ("NAHC") maintains two databases to assist cultural resources specialists in

identifying cultural resources of concern to California Native Americans. On December 7, 2018, SCE's consultant, SWCA Environmental Consultants, contacted the NAHC to obtain information about known cultural and tribal cultural resources and request a list of Native American tribal representatives who may have a cultural affiliation with the proposed project area. The NAHC responded on December 28, 2018, stating that the Sacred Lands File ("SLF") database includes previously identified sacred sites in the vicinity of the proposed project. In consideration of these culturally significant sacred sites, the NAHC suggested contacting two Native American tribes for more information. The NAHC also forwarded a list of 12 Native American groups or individuals that are culturally affiliated with the project area. The results of the NAHC SLF search will be provided to the CPUC and BLM for use in their respective Native American consultation efforts.

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

- The April 2020 PEA is attached to this Amended Application.

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

G.O. 131-D, Section X, requires applications for a PTC to describe measures taken to reduce potential exposure to electric and magnetic fields ("EMF") generated by the proposed facilities. A complete description of EMF-related issues is contained in SCE's EMF Field Management Plan for the revised IC Project (the "April 2020 FMP"), which is attached as APPENDIX F to this Amended Application.

H. Compliance with Rule 2.1(c)

In compliance with Rule 2.1(c) of the Commission's Rules of Practice and Procedure (California Code of Regulations, Title 20), SCE is required to state in this Application "[t]he proposed

category for the proceeding, the need for hearing, the issues to be considered including relevant safety considerations, and a proposed schedule." SCE proposes to categorize this Amended Application as a rate-setting proceeding. SCE anticipates that a hearing will not be necessary. This proceeding involves the Commission's: (1) environmental review of the revised IC Project in compliance with G.O. 131-D and the California Environmental Quality Act ("CEQA") (Pub. Resources Code § 21000 *et seq*.); and (2) issuance of a PTC authorizing SCE to construct the revised IC Project.

SCE workers and contractors are required to implement and enforce the SCE Accident Prevention Manual, which is a companywide manual containing safety rules and policies. These rules and policies cover work performed in every organizational unit, from office and workplace safety to construction sites, and for operating and maintaining substations and steam generation stations.

SCE suggests the following proposed schedule for this Amended Application:

Date	Event
~~July 2019~~April 2020	~~PTC~~Amended Application Filed
~~November 2019~~September 2020	Initial Study Issued
~~February~~November 2020	Amended Application Deemed Complete
April ~~2020~~2021	Draft CEQA Document Issued
~~September 2020~~August 2021	Final CEQA Document Issued
~~January~~December 2021	Proposed Decision Issued
~~May 2021~~February 2022	Final Decision

I. Statutory Authority

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

J. Public Notice

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

K. Supporting Appendices and Attachments

Appendices A through ~~F~~G and the April 2020 PEA listed below are made a part of this Amended Application:

APPENDIX A	Balance Sheet and Statement of Income as of ~~March~~December 31, 2019.
APPENDIX B	List of Counties and Municipalities Served by SCE
APPENDIX C	Ivanpah-Control Project Schedule
APPENDIX D	Notice of Amended Application for a Permit to Construct
APPENDIX E	Certificate of Service of Notice of Amended Application for a Permit to Construct
APPENDIX F	April 2020 Field Management Plan

APPENDIX G	Amendments to SCE's *Application Of Southern California Edison Company (U 338-E) For A Permit To Construct Electrical Facilities With Voltages Between 50kv And 200 kV: Ivanpah-Control Project*, filed July 17, 2019
ATTACHMENT	Southern California Edison's Ivanpah-Control Project April 2020 PEA

L. Compliance with Rule 2.5

Rule 2.5 of the Commission's Rules of Practice and Procedure provides that an applicant include a deposit to be applied to the costs the Commission incurs to prepare a negative declaration or an environmental impact report when the Commission is acting as the lead agency pursuant to CEQA. In accordance with Rule 2.5, SCE ~~is enclosing~~has already submitted a deposit to be applied to the costs the Commission incurs to prepare a negative declaration or an environmental impact report for the revised IC Project.

M. Request for Ex Parte Relief

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

N. Request for Timely Relief

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

~~Moreover, as addressed in the same subsection of G.O. 131-D, SCE requests that the Commission refrain from assigning an Administrative Law Judge to this proceeding, unless a valid protest is received by the Commission, and in the absence of any valid protest allow the Energy Division to process this Application.[8]~~

~~8 GO 131-D, Section IX.B.6.~~

~~IV.~~V.

CONCLUSION

SCE respectfully requests the Commission ~~to~~ issue a PTC authorizing SCE to construct the revised IC Project described in this Amended Application and April 2020 PEA. SCE further requests that the relief be provided *ex parte* and within the time limits prescribed by the Permit Streamlining Act.

Respectfully submitted,

SOUTHERN CALIFORNIA EDISON COMPANY

/s/ Erik Takayesu
By: Erik Takayesu
Vice President Transmission, Substations and Operations

/s/ Robert Pontelle
By: Robert Pontelle

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~~July 17, 2019~~

April 13, 2020

VERIFICATION

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

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

Executed this ~~12th~~23rd **day of** ~~July~~March**,** ~~2019~~2020, at Rosemead, California.

/s/ Erik Takayesu

By: Erik Takayesu
Vice President Transmission, Substations and Operations
SOUTHERN CALIFORNIA EDISON COMPANY