

Lorelei H. Oviatt, AICP, Director  
2700 "M" Street, Suite 100  
Bakersfield, CA 93301-2323  
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Fax: (661) 862-8601 TTY Relay 1-800-735-2929  
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Web Address: <http://kernplanning.com/>



**PLANNING AND NATURAL  
RESOURCES DEPARTMENT**

Planning  
Community Development  
Administrative Operations

**DATE:** September 15, 2020

**TO:** See Attached Mailing List

**FROM:** Kern County Planning and Natural  
Resources Department  
Attn: Ronelle Candia  
2700 "M" Street, Suite 100  
Bakersfield, CA 93301  
(661)862-8997; [CandiaR@kerncounty.com](mailto:CandiaR@kerncounty.com)

**SUBJECT: NOTICE OF PREPARATION OF A DRAFT ENVIRONMENTAL IMPACT REPORT**

The Kern County Planning and Natural Resources Department as Lead Agency (per CEQA Guidelines Section 15062) has determined that preparation of an Environmental Impact Report (per CEQA Guidelines 15161) is necessary for the proposed project identified below. The Planning and Natural Resources Department solicits the views of your agency as to the scope and content of the environmental information which is germane to your agency's statutory responsibilities in connection with the proposed project. Your agency will need to use the EIR prepared by our agency when considering your permit or other approval of projects.

You are invited to view the NOP and submit written comments regarding this proposed project should you wish to do so. Due to the limits mandated by State law, your response must be received by **October 15, 2020 at 5:00 p.m.** Comments can be submitted to the Kern County Planning and Natural Resources Department at the address shown above. A Scoping meeting that will be held on **Friday, October 2, 2020 at 1:30 p.m.** In compliance with the Governor's Executive Order, the California Department of Public Health's guidelines on gatherings regarding COVID-19, and Kern County Local Emergency Declaration, the scoping meeting required by the CEQA Guidelines will be conducted online. Closed captioning in Spanish will be available to attendees. Instructions for accessing the virtual scoping meeting will be available three (3) days before the virtual scoping meeting on the Kern County Planning and Natural Resources website at <https://kernplanning.com>.

Comments on the scope and content of the NOP should be sent to [CandiaR@kerncounty.com](mailto:CandiaR@kerncounty.com).

**PROJECT TITLE:** Kudu Solar Farm by 69SV 8ME LLC (PP20405); ZCC 14, Map # 152; CUP 28, Map #152; and GPA 10, Map #152 (Circulation).

**PROJECT LOCATION:** The proposed project site is located in portions of unincorporated Kern County and the City of California City, north of the California City Municipal Airport. The majority of the project site is bisected to the east-west by Washburn Boulevard (which is also the Kern County/California City limit line) and to the north-south by Neuralia Road. State Route 14, a four-lane divided highway located approximately one mile to the west, provides regional access to the project site. Access to the site would be from Phillips Road, Gantt Road, Neuralia Road, Pioneer Road, Sage Street, or through the Eland 1 project site. The site is located within Township 31S, Range 37E – portions of Sections 14, 15, 22, 23, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 and Township 32S, Range 37E – portions of Sections 1, 2, 3, 4, 9, 10, 11, 12.



**PROJECT DESCRIPTION:** The Kudu Solar Farm Project by 69SV 8ME LLC (project proponent), is a proposed photovoltaic solar facility and energy storage system capable of producing up to 500 MW of alternating current power and 600 MW hours of storage capacity on approximately 1,955.13 acres of privately-owned land. The proposed project would be supported by a 230-kV gen-tie overhead and/or underground generation tie-line (gen-tie) from originating from the Eland substation and terminating at the Los Angeles Department of Water and Power's Barren Ridge Substation located approximately two miles to the northwest of the project site, or through an upgraded connection through Eland 1. The proposed project intends to share the Eland 1 Solar Project's gen-tie line and right of way, which will be accomplished by constructing the line conductor capable of supporting both projects. Construction of the gen-tie and substation will be done as part of the Eland 1 Solar Project, consistent with the conditions of approval outlined in that project's CUP(s). If the proposed project cannot share these facilities, a new gen-tie line would be developed within one of the routes previously analyzed in the Eland 1 Solar Supplemental Environmental Impact Report (State Clearinghouse No. 2012011029). The proposed project's permanent facilities would include solar arrays and inverters, service roads, a power collection system, communication cables, overhead and underground electrical switchyards, project substations, energy storage system(s), and operations and maintenance (O&M) facilities.

Implementation of the project as proposed includes the following requests:

The proposed project consists of the following requests:

- Kern County
  - Zone Change Case No. 14, Map No. 152 as follows:
    - From A-1 (Limited Agriculture) to A (Exclusive Agriculture) for approximately 164.76 acres;
    - From A-1 MH (Limited Agriculture, Mobile Home Combining) to A for approximately 2.39 acres;
    - From PL RS (Platted Lands, Residential Suburban Combining) to A for approximately 10.29 acres; and
    - From PL RS MH (Platted Lands, Residential Suburban Combining, Mobile Home Combining) to A for approximately 7.73 acres.
  - Issuance of Conditional Use Permit No. 28, Map No. 152 to allow for the construction and operation, within the A (Exclusive Agriculture) pursuant to Section 19.12.030G of the Kern County Zoning Ordinance, of a 673.60-acre PV solar facility with a total project generating capacity, in both Kern County and California City, of up to 500 MW of alternating current power and 600 MW hours of storage capacity
  - General Plan Amendment No. 10, Map No. 152 to the Circulation Element of the Kern County General Plan to remove road reservations on section and mid-section lines within the Kern County project boundaries.

- City of California City (Responsible Agency)

The City of California City is a Responsible Agency under CEQA. For the parcels within California City city limits, the City will require that the project proponent complete a CUP from the City to allow for the construction and operation of a solar facility, in the O/RA (Openspace/Residential Agriculture) zone, of a 1,281.53-acre PV solar facility with a total project generating capacity, in both Kern County and California City, of up to 500 MW of alternating current power and 600 MW hours of storage capacity (CUP 19-04). If deemed

necessary by the City of California City, the project proponent may request a zone change from O/RA to M-1 (Light Industrial) for the portion of the facility located in California City. The project proponent has requested to remove the future section and mid-section lines for the portion of the project within the City of California City's jurisdiction. The City will determine during the CUP process (Sec. 9-2-2501 of the California City Municipal Code) what section lines will be required to be preserved and what ones will be removed.

Documents can be viewed online at: <https://kernplanning.com/planning/notices-of-preparation/>

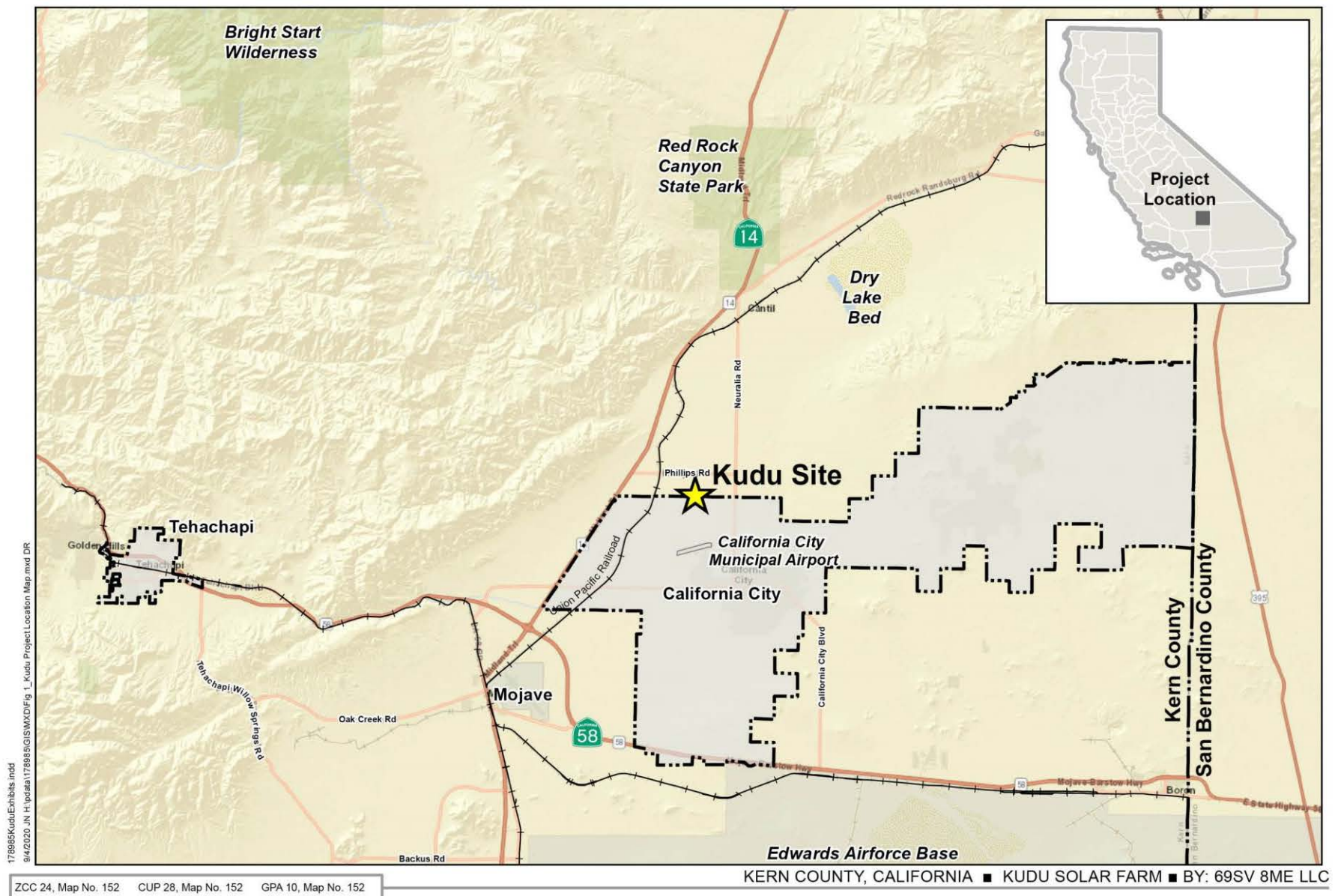
Signature:

Name:



Ronelle Candia, Supervising Planner





**REGIONAL VICINITY MAP**



GPA #10; ZC #14; CUP #25, Map #152  
WO #PP20405 (EIR 09-19 - Kudu Solar)  
Sc 08/05/20

City of Arvin  
P.O. Box 548  
Arvin, CA 93203

Bakersfield City Planning Dept  
1715 Chester Avenue  
Bakersfield, CA 93301

Bakersfield City Public Works Dept  
1501 Truxtun Avenue  
Bakersfield, CA 93301

California City Planning Dept  
21000 Hacienda Blvd.  
California City, CA 93515

Delano City Planning Dept  
P.O. Box 3010  
Delano, CA 93216

City of Maricopa  
P.O. Box 548  
Maricopa, CA 93252

City of McFarland  
401 West Kern Avenue  
McFarland, CA 93250

City of Ridgecrest  
100 West California Avenue  
Ridgecrest, CA 93555

City of Shafter  
336 Pacific Avenue  
Shafter, CA 93263

City of Taft  
Planning & Building  
209 East Kern Street  
Taft, CA 93268

City of Tehachapi  
Attn: John Schlosser  
115 South Robinson Street  
Tehachapi, CA 93561-1722

City of Wasco  
764 E Street  
Wasco, CA 93280

Inyo County Planning Dept  
P.O. Drawer "L"  
Independence, CA 93526

Kings County Planning Agency  
1400 West Lacey Blvd, Bldg 6  
Hanford, CA 93230

Los Angeles Co Reg Planning Dept  
320 West Temple Street  
Los Angeles, CA 90012

San Bernardino Co Planning Dept  
385 North Arrowhead Avenue, 1st Floor  
San Bernardino, CA 92415-0182

San Luis Obispo Co Planning Dept  
Planning and Building  
976 Osos Street  
San Luis Obispo, CA 93408

Santa Barbara Co Resource Mgt Dept  
123 East Anapamu Street  
Santa Barbara, CA 93101

Tulare County Planning & Dev Dept  
5961 South Mooney Boulevard  
Visalia, CA 93291

Ventura County RMA Planning Div  
800 South Victoria Avenue, L1740  
Ventura, CA 93009-1740

U.S. Bureau of Land Management  
Ridgecrest Field Office  
300 South Richmond Road  
Ridgecrest, CA 93555

China Lake Naval Weapons Center  
Tim Fox, RLA - Comm Plans & Liaison  
429 E Bowen, Building 981  
Mail Stop 4001  
China Lake, CA 93555

Edwards AFB, Mission Sustainability Liaison  
412 TW, Bldg 2750, Ste 117-14  
195 East Popson Avenue  
Edwards AFB, CA 93524

Federal Aviation Administration  
Western Reg Office/  
777 South Aviation Boulevard  
Suite 150  
El Segundo, CA 90245

Environmental Protection Agency  
Region IX Office  
75 Hawthorn Street  
San Francisco, CA 94105

U.S. Fish & Wildlife Service  
777 East Tahquitz Canyon Way, Suite 208  
Palm Springs, CA 92262

Eastern Kern Resource Cons Dist  
300 South Richmond Road  
Ridgecrest, CA 93555-4436

U.S. Army Corps of Engineers  
Regulatory Division  
1325 "J" Street, #1350  
Sacramento, CA 95814-2920

U.S. Dept of Agriculture/NRCS  
5080 California Avenue, Ste 150  
Bakersfield, CA 93309-0711

U.S. Army Corps of Engineers  
P.O. Box 997  
Lake Isabella, CA 93240

Caltrans/Dist 6  
Planning/Land Bank Bldg.  
P.O. Box 12616  
Fresno, CA 93778

State Air Resources Board  
Stationary Resource Division  
P.O. Box 2815  
Sacramento, CA 95812

So. San Joaquin Valley Arch Info Ctr  
California State University of Bkfd  
9001 Stockdale Highway  
Bakersfield, CA 93311

State Clearinghouse  
Office of Planning and Research  
1400 - 10th Street, Room 222  
Sacramento, CA 95814

Caltrans/Dist 9  
Planning Department  
500 South Main Street  
Bishop, CA 93514

Caltrans/  
Division of Aeronautics, MS #40  
P.O. Box 942873  
Sacramento, CA 94273-0001

California State University  
Bakersfield - Library  
9001 Stockdale Highway  
Bakersfield, CA 93309

State Dept of Conservation  
Director's Office  
801 "K" Street, MS 24-01  
Sacramento, CA 95814-3528

State Dept of Conservation  
Geologic Energy Management Division  
4800 Stockdale Highway, Ste 108  
Bakersfield, CA 93309

California Highway Patrol  
Planning & Analysis Division  
P.O. Box 942898  
Sacramento, CA 94298-0001

California Energy Commission  
James W. Reed, Jr.  
1516 Ninth Street  
Mail Stop 17  
Sacramento, CA 95814

California Fish & Wildlife  
1234 East Shaw Avenue  
Fresno, CA 93710

State Lands Commission  
100 Howe Avenue, Ste 100-South  
Sacramento, CA 95825-8202

Public Utilities Comm Energy Div  
505 Van Ness Avenue  
San Francisco, CA 94102

California Regional Water Quality  
Control Board/Lahontan Region  
15095 Amargosa Road - Bld 2, Suite 210  
Victorville, CA 92392

State Dept of Water Resources  
San Joaquin Dist.  
3374 East Shields Avenue, Room A-7  
Fresno, CA 93726

State Dept of Toxic Substance Control  
Environmental Protection Agency  
1515 Tollhouse Road  
Clovis, CA 93612

Cal Environmental Protection Agency/  
Dept of Toxic Substances Control, Reg 1  
Attn: Dave Kereazis, Permit Div - CEQA  
8800 Cal Center Drive, 2nd Floor  
Sacramento, CA 95826

Kern County Administrative Officer

Kern County  
Agriculture Department

Kern County Airports Department

Kern County  
Env Health Services Department

Kern County Public Works Department/  
Building & Development/Floodplain

Kern County Public Works Department/  
Building & Development/Survey

Kern County Library/Beale  
Local History Room

Kern County Fire Dept  
David Witt, Fire Chief

Kern County Fire Dept

Kern County Parks & Recreation

Kern County Library/Beale  
Andie Sullivan



Kern County Library  
California City Branch  
9507 California City Boulevard  
California City, CA 93505

Kern County Public Works  
Department/Operations &  
Maintenance/Regulatory Monitoring &  
Reporting

Kern County Sheriff's Dept  
Administration

Kern County Public Works Department/  
Building & Development/Development  
Review

Muroc Unified School Dist  
17100 Foothill Avenue  
North Edwards, CA 93523

Kern County Public Works Department/  
Building & Development/Code Compliance

Mojave Unified School Dist  
3500 Douglas  
Mojave, CA 93501

Local Agency Formation Comm/LAFCO  
5300 Lennox Avenue, Suite 303  
Bakersfield, CA 93309

Kern County Superintendent of Schools  
Attention School District Facility Services  
1300 - 17th Street  
Bakersfield, CA 93301

KernCOG  
1401 19th Street - Suite 300  
Bakersfield, CA 93301

East Kern Air Pollution  
Control District

Antelope Valley-East Kern  
Water Agency  
6500 West Avenue N  
Palmdale, CA 93551

Kern County Water Agency  
P.O. Box 58  
Bakersfield, CA 93302-0058

East Kern Airport Dist  
Attention Stuart Witt  
1434 Flightline  
Mojave, CA 93501

California City Airport  
22636 Airport Way, #8  
California City, CA 93505

Mojave Airport  
1434 Flightline  
Mojave, CA 93501

Adams, Broadwell, Joseph & Cardozo  
Attention: Janet M. Laurain  
601 Gateway Boulevard, Suite 1000  
South San Francisco, CA 94080

East Kern Airport Dist Engineer  
3900 Ridgemoor Avenue  
Bakersfield, CA 93306

Northcutt and Associates  
4220 Poplar Street  
Lake Isabella, CA 93240-9536

Center on Race, Poverty  
& the Environment  
Attn: Marissa Alexander  
1999 Harrison Street – Suite 650  
San Francisco, CA 94612

Kern Audubon Society  
Attn: Frank Bedard, Chairman  
4124 Chardonnay Drive  
Bakersfield, CA 93306

Los Angeles Audubon  
926 Citrus Avenue  
Los Angeles, CA 90036-4929

Desert Tortoise Preserve Committee  
4067 Mission Inn Avenue  
Riverside, CA 92501

Center on Race, Poverty  
& the Environmental/  
CA Rural Legal Assistance Foundation  
1012 Jefferson Street  
Delano, CA 93215

Defenders of Wildlife/  
Kim Delfino, California Dir  
980 - 9th Street, Suite 1730  
Sacramento, CA 95814

Southern California Edison  
Planning Dept.  
421 West "J" Street  
Tehachapi, CA 93561

Native American Heritage Council  
of Kern County  
Attn: Gene Albitre  
3401 Aslin Street  
Bakersfield, CA 93312

Pacific Gas & Electric Co  
Land Projects  
650 "O" Street, First Floor  
Fresno, CA 93760-0001

Sierra Club/Kern Kaweah Chapter  
P.O. Box 3357  
Bakersfield, CA 93385

Southern California Edison  
2244 Walnut Grove, Ave, GO-1 Quad 2C  
Rosemead, CA 91770

Verizon California, Inc.  
Attention Engineering Department  
520 South China Lake Boulevard  
Ridgecrest, CA 93555

Chumash Council of Bakersfield  
2421 "O" Street  
Bakersfield, CA 93301-2441

David Laughing Horse Robinson  
P.O. Box 20849  
Bakersfield, CA 93390

Kern Valley Indian Council  
Attn: Robert Robinson, Chairperson  
P.O. Box 401  
Weldon, CA 93283

Kern Valley Indian Council  
Historic Preservation Office  
P.O. Box 401  
Weldon, CA 93283

Santa Rosa Rancheria  
Ruben Barrios, Chairperson  
P.O. Box 8  
Lemoore, CA 93245

Tejon Indian Tribe  
Kathy Morgan, Chairperson  
1731 Hasti-acres Drive, Suite 108  
Bakersfield, CA 93309

Kitanemuk & Yowlumne Tejon Indians  
Chairperson  
115 Radio Street  
Bakersfield, CA 93305

Tubatulabals of Kern County  
Attn: Robert Gomez, Chairperson  
P.O. Box 226  
Lake Isabella, CA 93240

Tule River Indian Tribe  
Neal Peyron, Chairperson  
P.O. Box 589  
Porterville, CA 93258

San Fernando Band of Mission Indians  
Attn: John Valenzuela, Chairperson  
P.O. Box 221838  
Newhall, CA 91322

Matthew Gorman  
The Gorman Law Firm  
1346 E. Walnut Street, Suite 220  
Pasadena, CA 91106

Matthew Gorman  
The Gorman Law Firm  
1346 E. Walnut Street, Suite 220  
Pasadena, CA 91106

Carol Vaughn  
509 West Ward  
Ridgecrest, CA 93555

Joyce LoBasso  
P.O. Box 6003  
Bakersfield, CA 93386

Leadership Counsel for Justice & Accountability  
1527 - 19th Street, Suite 212  
Bakersfield, CA 93301

Leadership Counsel for Justice & Accountability  
1527 - 19th Street, Suite 212  
Bakersfield, CA 93301

LIUNA  
Attn: Danny Zaragoza  
2201 "H" Street  
Bakersfield, CA 93301

Mojave Foundation  
Attn: Todd Quelet  
16922 Airport Boulevard  
Mojave, CA 93501

National Public Lands News  
941 E. Ridgecrest Blvd  
Inyokern, CA 93555

Pleistocene Foundation  
2362 Lumill Street  
Ridgecrest, CA 93555

Raymond Kelso/  
Pleistocene Foundation  
2362 Lumill Street  
Ridgecrest, CA 93555

U.S. Air Force  
Attn: David Bell/AFCEC CZPW  
Western Regional/Leg Branch  
510 Hickman Ave., Bld 250-A  
Travis AFB, CA 94535-2729

U.S. Army  
Attn: Philip Crosbie, Chief  
Strategic Plans, S3, NTC  
P.O. Box 10172  
Fort Irwin, CA 92310

U.S. Army  
Attn: Tim Kilgannon, Region 9 Coordinator  
Office of Strategic Integration  
721 - 19th Street, Room 427  
Denver, CO 80202

U.S. Navy  
Attn: Steve Chung  
Regional Community & Liaison Officer  
1220 Pacific Highway  
San Diego, CA 92132-5190

U.S. Marine Corps  
Attn: Patrick Christman  
Western Regional Environmental Officer  
Building 1164/Box 555246  
Camp Pendleton, CA 92055-5246

David Walsh  
22941 Banducci Road  
Tehachapi, CA 93561

Terra-Gen  
Randy Hoyle, Sr. Vice Pres  
11512 El Camino Real, Suite 370  
San Diego, CA 92130

Renewal Resources Group  
Holding Company  
Rupal Patel  
113 South La Brea Avenue, 3rd Floor  
Los Angeles, CA 90036



Congentrix Sunshine, LLC  
Rick Neff  
9405 Arrowpoint Blvd  
Charlotte, NC 28273

Fotowatio Renewable Ventures  
Sean Kiernan  
44 Montgomery Street, Suite 2200  
San Francisco, CA 94104

EDP Renewables Company  
53 SW Yamhill Street  
Portland, OR 97204

Wind Stream, LLC  
Albert Davies  
1275 - 4th Street, No. 107  
Santa Rosa, CA 95404

Darren Kelly, Sr. Business Mgr  
Terra-Gen Power, LLC  
1095 Avenue of the Americas, 25th Floor, Ste A  
New York, NY 10036-6797

Bill Barnes, Dir of Asset Mgt  
AES Midwest Wind Gen  
P.O. Box 2190  
Palm Springs, CA 92263-2190

PG&E  
Steven Ng, Manager  
Renewal Dev, T&D Intercon  
77 Beal Street, Room 5361  
San Francisco, CA 94105

Wayne Mayes, Dir Tech Serv  
Iberdrola Renewables  
1125 NW Couch St, Ste 700, 7th Fl  
Portland, OR 97209

Michael Strickler, Sr Project Mgr  
Iberdrola Renewables  
1125 NW Couch St, Ste 700, 7th Fl  
Portland, OR 97209

Recurrent Energy  
Seth Israel  
300 California Street, 8th Floor  
San Francisco, CA 92109

Tehachapi Area Assoc of Realtors  
Carol Lawhon, Assoc Exe, IOM  
803 Tucker Road  
Tehachapi, CA 93561

Kelly Group  
Kate Kelly  
P.O. Box 868  
Winters, CA 95694

Beyond Coal Campaign/Sierra Club  
Sarah K. Friedman  
1417 Calumet Avenue  
Los Angeles, CA 90026

Robert Burgett  
9261 - 60th Street, West  
Mojave, CA 93501

Structure Cast  
Larry Turpin, Sales Mgr  
8261 McCutchen Road  
Bakersfield, CA 93311

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Lorelei H. Oviatt, AICP, Director  
2700 "M" Street, Suite 100  
Bakersfield, CA 93301-2323  
Phone: (661) 862-8600  
Fax: (661) 862-8601 TTY Relay 1-800-735-2929  
Email: [planning@kerncounty.com](mailto:planning@kerncounty.com)  
Web Address: <http://kernplanning.com/>



**PLANNING AND NATURAL  
RESOURCES DEPARTMENT**

Planning  
Community Development  
Administrative Operations

**DATE:** September 15, 2020

**TO:** Surrounding Property Owners within  
1,000 Feet of Project Boundary; and,  
Interested Parties

**FROM:** Kern County Planning and Natural  
Resources Department  
2700 "M" Street, Suite 100  
Bakersfield, CA 93301

**SUBJECT: Initial Study/Notice of Preparation of an Environmental Impact Report – Kudu Solar  
Farm Project by 69SV 8ME LLC (PP20405)**

Dear Sir or Madam:

The Kern County Planning and Natural Resources Department has determined that preparation of an Environmental Impact Report (EIR) is necessary for the proposed project identified below. The purpose of this letter is to notify surrounding property owners within 1,000 feet of the project boundaries of this determination. A copy of the Initial Study/Notice of Preparation (IS/NOP) prepared for this proposed project is available for viewing at the following Kern County website:

<https://kernplanning.com/planning/notices-of-preparation/>

The purpose of the IS/NOP is to describe the proposed project, specify the project location, and to identify the potential environmental impacts of the project so that Responsible Agencies and interested persons can provide a meaningful response related to potential environmental concerns that should be analyzed in the Environmental Impact Report.

You are invited to view the NOP and submit written comments regarding this proposed project should you wish to do so. Due to the limits mandated by State law, your response must be received by **October 15, 2020 at 5:00 p.m.** Comments can be submitted to the Kern County Planning and Natural Resources Department at the address shown above. A Scoping meeting will be held for the project on **Friday, October 2, 2020 at 1:30 p.m.** In compliance with the Governor's Executive Order, the California Department of Public Health's guidelines on gatherings regarding COVID-19, and Kern County Local Emergency Declaration, the scoping meeting required by the CEQA Guidelines will be conducted online. Closed captioning in Spanish will be available to attendees. Instructions for accessing the virtual scoping meeting will be available three (3) days before the virtual scoping meeting on the Kern County Planning and Natural Resources website at <https://kernplanning.com>.

Comments on the scope and content of the NOP should be sent to [CandiaR@kerncounty.com](mailto:CandiaR@kerncounty.com).

Please be advised that any comments received after the dates listed above will still be included in the public record for this project and made available to decision makers when this project is scheduled for consideration at a public hearing. Please also be advised that you will receive an additional notice in the mail once a public hearing date is scheduled for this project. You will also be provided additional opportunities to submit comments at that time.

**PROJECT TITLE:** Kudu Solar Farm by 69SV 8ME LLC (PP20405); ZCC 14, Map # 152; CUP 28, Map #152; and GPA 10, Map #152 (Circulation).

**PROJECT LOCATION:** The proposed project site is located in portions of unincorporated Kern County and the City of California City, north of the California City Municipal Airport. The majority of the project site is bisected to the east-west by Washburn Boulevard (which is also the Kern County/California City limit line) and to the north-south by Neuralia Road. State Route 14, a four-lane divided highway located approximately one mile to the west, provides regional access to the project site. Access to the site would be from Phillips Road, Gantt Road, Neuralia Road, Pioneer Road, Sage Street, or through the Eland 1 project site. The site is located within Township 31S, Range 37E – portions of Sections 14, 15, 22, 23, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 and Township 32S, Range 37E – portions of Sections 1, 2, 3, 4, 9, 10, 11, 12, San Bernardino Base Meridian.

**PROJECT DESCRIPTION:** The Kudu Solar Farm Project by 69SV 8ME LLC (project proponent), is a proposed photovoltaic solar facility and energy storage system capable of producing up to 500 MW of alternating current power and 600 MW hours of storage capacity on approximately 1,955.13 acres of privately-owned land. The proposed project would be supported by a 230-kV gen-tie overhead and/or underground generation tie-line (gen-tie) from originating from the Eland substation and terminating at the Los Angeles Department of Water and Power's Barren Ridge Substation located approximately two miles to the northwest of the project site, or through an upgraded connection through Eland 1. The proposed project intends to share the Eland 1 Solar Project's gen-tie line and right of way, which will be accomplished by constructing the line conductor capable of supporting both projects. Construction of the gen-tie and substation will be done as part of the Eland 1 Solar Project, consistent with the conditions of approval outlined in that project's CUP(s). If the proposed project cannot share these facilities, a new gen-tie line would be developed within one of the routes previously analyzed in the Eland 1 Solar Supplemental Environmental Impact Report (State Clearinghouse No. 2012011029). The proposed project's permanent facilities would include solar arrays and inverters, service roads, a power collection system, communication cables, overhead and underground electrical switchyards, project substations, energy storage system(s), and operations and maintenance (O&M) facilities.

Implementation of the project as proposed includes the following requests:

The proposed project consists of the following requests:

- Kern County
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    - From PL RS MH (Platted Lands, Residential Suburban Combining, Mobile Home Combining) to A for approximately 7.73 acres.
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- General Plan Amendment No. 10, Map No. 152 to the Circulation Element of the Kern County General Plan to remove road reservations on section and mid-section lines within the Kern County project boundaries.
- City of California City (Responsible Agency)

The City of California City is a Responsible Agency under CEQA. For the parcels within California City city limits, the City will require that the project proponent complete a CUP from the City to allow for the construction and operation of a solar facility, in the O/RA (Openspace/Residential Agriculture) zone, of a 1,281.53-acre PV solar facility with a total project generating capacity, in both Kern County and California City, of up to 500 MW of alternating current power and 600 MW hours of storage capacity (CUP 19-04). If deemed necessary by the City of California City, the project proponent may request a zone change from O/RA to M-1 (Light Industrial) for the portion of the facility located in California City. The project proponent has requested to remove the future section and mid-section lines for the portion of the project within the City of California City's jurisdiction. The City will determine during the CUP process (Sec. 9-2-2501 of the California City Municipal Code) what section lines will be required to be preserved and what ones will be removed.

Should you have any questions regarding this project, or the Initial Study/Notice of Preparation, please feel free to contact me at (661) 862-8997 or [CandiaR@kerncounty.com](mailto:CandiaR@kerncounty.com)

Sincerely,



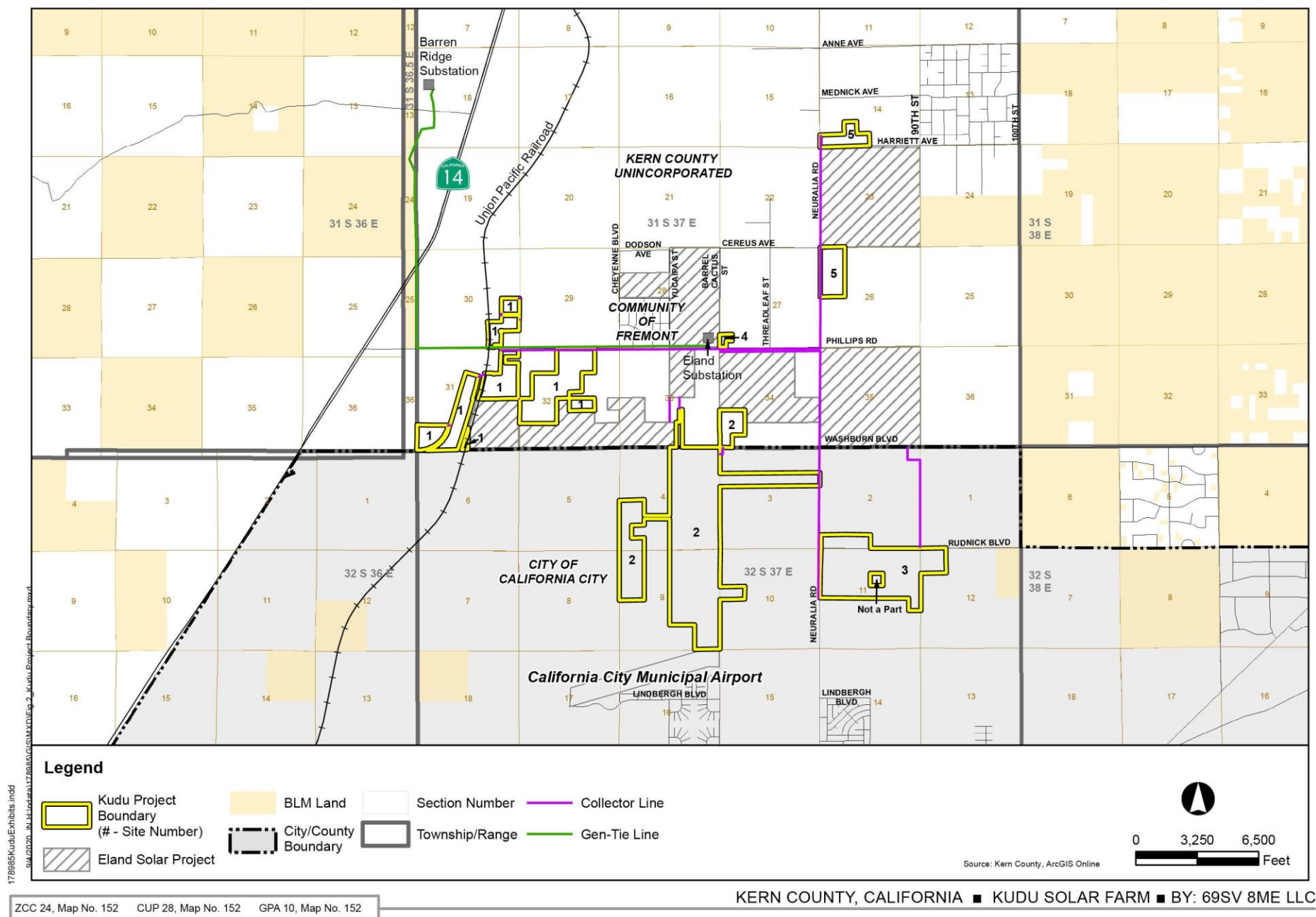
Ronelle Candia, Supervising Planner  
Advanced Planning Division

Attachments: Figure 1 - Vicinity Map and Figure 2 – Project Boundary Map

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**FIGURE 2**  
**PROJECT BOUNDARY MAP**

GPA #10; ZC #14; CUP #25, Map #152  
WO #PP20405 (EIR 09-19 - Kudu Solar)  
Sc 08/27/20

469 170 06 00 5  
2NGEL FAMILY TR  
3902 PEACOCK RIDGE RD  
CALABASAS CA 91301

470 322 14 00 5  
68SF 8ME LLC  
5455 WILSHIRE BL STE 2010  
LOS ANGELES CA 90036-4220

302 325 31 00 9  
ABANTO OLAVI PERCY  
1307 SUMMERTIME LN  
CLOVER CITY CA 90230

470 322 13 00 2  
ABRAMS STUART WILLIAM  
511 CASTANO CORTE  
LOS ALTOS CA 94022

302 306 11 00 2  
ABUTALEB FAM TR  
3620 CALMBROOK LN  
DIAMOND BAR CA 91765-3770

302 470 01 00 1  
ACADEMIA MARIJESS B ET AL  
11863 THOMAS HAYES LN  
SAN DIEGO CA 92126-1146

470 322 01 00 7  
ADAMS CAROL ANN  
25067 DE WOLFE RD  
SANTA CLARITA CA 91321

470 080 15 00 5  
AEK GLOBAL INV LLC  
4603 HURFORD TR  
ENCINO CA 91436-3345

470 302 01 00 1  
AHTIRSKI MARCO M REV LIV TR  
12055 VENTURA PL  
STUDIO CITY CA 91604-2602

470 020 04 00 5  
AMBER JACK REV LIV TR  
166 5 N ARNEZ DR  
BEVERLY HILLS CA 90211

470 030 03 00 5  
AMBER KATHERINE LIV TR  
3603 SURFWOOD RD  
MALIBU CA 90265-5652

302 305 10 00 2  
AMBRIZ ANTONIO TINAJERO  
REVOCABLE TRUST  
14901 PURDY ST  
MIDWAY CITY CA 92655-1348

470 030 01 00 9  
ANDARI GHAZI N  
1328 ALLEN AV  
GLENDALE CA 91201

470 151 07 00 9 **DUP**  
ANDERSON SANDRA J  
ADDRESS UNKNOWN

302 341 24 00 7  
ANDREWS WALTER L & JOYCE H TR  
20643 CHERL DR  
CUPERTINO CA 95014

302 020 12 00 2  
ANOTHER MILLION DOLLAR CO LLC  
8537 SATINWOOD AV  
CALIF CITY CA 93505-3810

302 480 19 00 7 **DUP**  
ANOTHER MILLION DOLLAR CO LLC  
8537 SATINWOOD AV  
CALIFORNIA CITY CA 93505-3810

302 303 02 00 5  
APOTHIO LLC  
74 S BELLERIVE DR  
PERU IN 46970-6918

470 151 15 00 2  
ARAGON GENARO & GUADALUPE  
PO BOX 116  
TECUMSEH NE 68450-0116

302 470 18 00 1  
ARCE CARLOS L & MARIA C  
12224 SHERIDAN ST  
NORWALK CA 90650

470 330 07 00 4  
AZAM JAVED & ROOBILA NAZ  
FAMILY TRUST  
110 STONECREST CI  
KEEDYSVILLE MD 21756-1531

302 325 34 00 8  
B N M FORSTIE FAMILY TRUST  
605 CALLE JUAREZ  
SAN CLEMENTE CA 92673-3021

470 360 01 00 5  
BABASHOFF JOHN P & DIANE L TRUST  
73135 DEER GRASS DR  
PALM DESERT CA 92260-6087

302 306 22 00 4  
BAKER TERRANCE J & PAMELA J  
6945 HARCO ST  
LONG BEACH CA 90808

302 303 10 00 8  
BARZO TODD A  
4515 S DURANGO DR APT 1080  
LAS VEGAS NV 89147

302 303 11 00 1  
BAUTISTA FAMILY TRUST  
1912 N EVELYN CT  
SANTA MARIA CA 93454-5510

470 322 34 00 3  
BEAVER LYNDEE  
77063 MOSBY CREEK RD  
COTTAGE GROVE OR 97424-9412

302 325 07 00 0  
BELL HAROLD R & DIANA L  
5018 EAST AVE R-2  
PALMDALE CA 93552-3829

302 325 17 00 9  
BENITEZ MARIA A  
512 S HARRIS AV  
COMPTON CA 90221



470 322 38 00 5  
BERG DONALD L  
16769 DAZA DR  
RAMONA CA 92065-4613

470 312 02 00 7  
BESSONART DENIS & J REV LIV TR  
9709 SAN YSIDRO LN  
BAKERSFIELD CA 93312

302 341 29 00 2 **DUP**  
BESSONART DENIS & JULIE LIVING  
TRUST  
9709 SAN YSIDRO LN  
BAKERSFIELD CA 93312

302 341 06 00 5  
BIG WEST CORP  
1141 POMONA RD # H  
CORONA CA 92882

470 090 05 00 9  
BIG WEST CORP  
1403 N LAS FLORES DR  
SAN MARCOS CA 92069-5943

470 322 32 00 7 **DUP**  
BIG WEST CORPORATION  
1141 POMONA RD U H  
CORONA CA 92882-7148

302 470 06 00 6  
BILBAENO CAROLINA G  
5601 NATOMAS BL APT 1114  
SACRAMENTO CA 95835-2246

470 151 10 00 7  
BIVINS EUGENE L  
1650 LUCILE AV  
LOS ANGELES CA 90026-1037

302 480 17 00 1  
BLY LARRY W  
119 JONES ST  
BODFISH CA 93205-9708

302 353 02 00 0  
BONNER TRUST  
P O BOX 7508  
VENTURA CA 93006

302 020 22 00 1  
BRADLEY JACQUELINE M  
7548 TOTIER CREEK FARM RD  
SCOTTSVILLE VA 24590-3962

470 152 11 00 7  
BRANSON PAUL S  
PO BOX 1355  
CLEARLAKE OAKS CA 95423-1355

470 322 03 00 3  
BREMER DAVID P  
32 NELSON MANOR LN  
MIDDLETOWN PA 17057

302 480 07 00 2  
BROBERG WARREN K REVOCABLE  
LIVING TRUST  
5338 E WINDSTONE TL  
CAVE CREEK AZ 85331-2421

302 480 08 00 5 **DUP**  
BROBERG WARREN K REVOCABLE  
LIVING TRUST  
5338 WINDSTONE TL  
CAVE CREEK AZ 85331

470 100 09 00 3  
BROWN FMLY BY PASS TR  
3705 HOLLINGSWORTH DR  
ALTADENA CA 91001

470 312 10 00 0  
BROWN FMLY REV LIV TR  
11171 OAKWOOD DR F203  
LOMA LINDA CA 92354

470 152 23 00 2  
BROWN MICHAEL L & KATHLEEN A  
TRUST  
4632 W TALMADGE DR  
SAN DIEGO CA 92116-4833

302 325 40 00 5  
BROWN WILLIAM R & BERNELL  
8726 OSWEGO ST  
SUNLAND CA 91040-2617

470 130 13 00 3  
BULGERIN DAVID TRUST  
3315 CHANATE RD STE 1A  
SANTA ROSA CA 95404-1736

302 460 16 00 2  
BULOSAN JERRY S & HEDELIZA TR  
2327 FLINTRIDGE DR  
GLENDALE CA 91206-1024

302 290 10 00 5  
BURKE REV TRUST  
7932 MOONMIST CI  
HUNTINGTON BCH CA 92648-5436

302 470 12 00 3  
BURUSCO MARY M TRUST  
1509 LA LOMA RD  
PASADENA CA 91105-2135

470 380 07 00 9  
CABLE JAMEY  
6824 FIREBAUGH ST  
BAKERSFIELD CA 93313

302 342 14 00 5  
CALIF LAND FUTURES INC  
3921 SUNSET LN  
OXNARD CA 93035-3948

469 170 07 00 8  
CAMACHO PUREZA  
14041 DON JULIAN RD  
LA PUENTE CA 91746-2805

302 470 14 00 9  
CAMARA MARGARET ELDRED TR  
PO BOX 1024  
PISMO BEACH CA 93448-1024

302 306 19 00 6  
CANCILLA FAMILY TRUST  
15546 SARANAC DR  
WHITTIER CA 90604-3221

470 151 18 00 1  
CARRANZA OLGA G  
4033 W 160TH ST  
LAWNDALE CA 90260-2726

470 360 03 00 1  
CARRILLO JOSUE B & TERESA  
5450 TRUMPET CT  
CASTRO VALLEY CA 94552-1724

469 240 29 00 2  
CARRILLO SANTIAGO  
1900 E ORO DAM BL STE 12  
OROVILLE CA 95966-5934

469 170 12 00 2  
CASTILLO DIONEL REV TRUST  
4438 VISTA LARGO  
TORRANCE CA 90505

302 306 23 00 7  
CERVANTES MARIA E  
12425 LELAND AV  
WHITTIER CA 90605-4218

470 040 02 00 5  
CHACANACA JACK L & DEENA C  
26201 TUOLUMNE ST  
MOJAVE CA 93501

470 040 01 00 2  
CHACANAGA JACK L  
26201 TUOLUMNE ST  
MOJAVE CA 93501

**DUP**

469 170 19 00 3  
CHEN YINGLING  
P O BOX 1542  
ARCADIA CA 91077

470 322 33 00 0  
CHIN CAROLYN & CYNTHIA J  
110 MILTON ST  
SAN FRANCISCO CA 94112-1429

302 305 13 00 1  
CHONG SRUN CHEA  
2935 N MONTEVERD RD  
COVINA CA 91724

302 460 01 00 8  
CHOW WILLIAM Y T & JEANETTE LI  
REV TR  
1813 SUNSHINE CT  
GLENDALE CA 91208-2430

216 010 28 00 8  
CITY OF CALIF CITY  
ADDRESS UNKNOWN

**DUP**

470 151 17 00 8  
CLERICO ROBERT W TR  
13503 HINAULT DR  
BAKERSFIELD CA 93314-6607

470 322 04 00 6  
COLLINS RICHARD L & KAREN L  
LIVING TRUST  
8309 MUSCAT CT  
REDDING CA 96001-9576

470 152 13 00 3  
COOK JANET F  
740 EDGEWATER DR U D  
CHULA VISTA CA 91913

470 151 03 00 7  
CORLESS DOROTHY  
1040 W AMBASSADOR DR  
HANFORD CA 93230-9186

461 220 34 00 4  
CRAWFORD PAULA & STANLEY JR  
8806 RAMSGATE AV  
LOS ANGELES CA 90045

302 470 09 00 5  
CRISSMAN TIMOTHY JAMES  
24262 WALNUT ST # 1  
NEWHALL CA 91321

302 341 11 00 9  
CROTHERS ANNIE  
117 LAGUNA PL  
PAGOSA SPRINGS CO 81147-8852

302 020 10 01 5  
DA ELITE GROUP LLC  
1013 ATTICUS AV  
HENDERSON NV 89015-5962

302 341 13 00 5  
DAVI FAMILY TRUST  
201 CHADBOURNE AV APT 216  
MILLBRAE CA 94030-2572

302 460 03 00 4  
DE GUZMAN LIZA ET AL  
ADDRESS UNKNOWN

**DUP**

470 182 02 00 0  
DEGUCHI KEIKO TR  
3301 TERRACE RIDGE LN  
LONG BEACH CA 90804-1203

470 152 21 00 6  
DEIST PAULA OFFERMAN  
2137 WATERCREST DR  
AUBURN AL 36830-4116

470 152 25 00 8  
DEL SOL PROPERTIES INC  
12121 WILSHIRE BL STE 600  
LOS ANGELES CA 90025

470 151 16 00 5  
DEL SOL PROPERTIES INC  
10415 STAMPS RD  
DOWNEY CA 90241

470 350 03 00 8  
DELMENDO NICETO FAM TR  
2910 23RD AV  
SACRAMENTO CA 95820

302 306 12 00 5  
DESMARAIS ALBERT TRUST 1995 ET  
AL  
39793 PAMPERO WY  
TEMECULA CA 92592

469 230 03 00 3  
DEUTSCH FAMILY TR  
10550 ASHTON AV  
LOS ANGELES CA 90024

470 152 29 00 0  
DEUTSCH KONRAD B FAMILY TR  
6531 CHEAMES WY  
SAN DIEGO CA 92117

469 240 22 00 1  
DIELISSEN ROBERT R  
3000 DANVILLE BL # F  
ALAMO CA 94507-1572

302 341 12 00 2  
DIRVEN JOPIE  
5473 S JONES BL APT 1098  
LAS VEGAS NV 89118-0550

470 010 11 00 2  
DISCOUNTLAND INC  
2261 MONACO DR  
OXNARD CA 93035-2915

470 181 07 00 8  
DODSON MARK D & JULIE  
4145 W 163RD ST  
LAWN DALE CA 90260

470 130 15 00 9  
DOHERTY KIMBERLY A  
28491 FALCON CREST DR  
SANTA CLARITA CA 91351

470 152 08 00 9  
DREISBACH RICHARD & ELIZABETH  
REV TR  
1681 THOMAS AV  
SAN DIEGO CA 92109

470 130 02 00 1  
DUGAN JEROLYN ET AL  
4532 THRUSH DR  
INDIANAPOLIS IN 46222-1249

470 020 08 00 7  
DULBERG MARK R  
130 EL TOYONAL  
ORINDA CA 94563

470 370 01 00 8  
DURAN CRYSTAL  
7247 TAMPA AV  
RESEDA CA 91335

470 152 26 00 1  
DYMOTT FAMILY TR  
23742 CALISTOGA PL  
RAMONA CA 92065

302 290 15 00 0  
EASSA MICHAEL  
32433 MICHIGAN ST  
ACTON CA 93510-1857

470 321 08 00 1  
EKWUE ANN MARIE  
ADDRESS UNKNOWN

**DUP**

302 303 12 00 4  
ELEGADO BERNABE & ERNESTO  
12516 RUBENS AV  
LOS ANGELES CA 90066

302 290 05 00 1  
EMERALD JENNY E & RICHARD J TR  
1409 CAMPER DR  
WEST COVINA CA 91792

302 460 15 00 9  
EPSTEIN NING G REVOCABLE TRUST  
3 FOXGLOVE WY  
IRVINE CA 92612-2712

470 350 04 00 1  
EQUITY TR CO CUSTDN FBO STEVEN  
HILBON IRA  
24241 RHONA DR  
LAGUNA NIGUEL CA 92677-4052

470 090 11 00 6  
ESTRADA JAVIER & GLORIA  
81784 VILLA GIARDINO DR  
INDIO CA 92203

470 090 02 00 0  
FAN LOUIS S S  
ADDRESS UNKNOWN

**DUP**

302 470 03 00 7  
FDR LAND CO  
38430 PUMA LN  
PALMDALE CA 93551

469 170 02 00 3  
FERNANDEZ CESAR T & TERESA  
9016 CECILIA ST APT I  
DOWNEY CA 90241-3930

470 130 04 00 7  
FERRER BERNARDO B TR  
6323 DAHLIA CT  
WESTMINSTER CA 92683-3664

302 480 14 00 2  
FERRIS TRUST  
3916 JIM BOWIE RD  
AGOURA HILLS CA 91301-3606

470 321 14 00 8  
FINKE DALE J  
1618 MERIDIAN ST  
CHARLOTTESVILLE VA 22902-6340

461 220 16 00 2  
FINKLE RICHARD GARY  
170 BRANDYWINE PL  
CLAYTON CA 94517-2220

302 341 39 00 1  
FISH JAMES R ET AL  
842 E WHITEDOVE LN  
FRESNO CA 93730-0727

470 152 10 00 4  
FISHLER THOMAS G & ALICE LIV TR  
18 GOLF AV  
SAN RAFAEL CA 94903

470 152 28 00 7  
FOBBS TAMAKI  
315 CAMINO DE LA LUNA  
PERRIS CA 92571-2993

470 322 22 00 8  
FOLETTA JAMES R  
125 MEADOW CREST LN  
WALNUT CREEK CA 94595-2656

302 342 20 00 2  
FONSECA CHARLES B  
7 MANOR RD  
FAIRFAX CA 94930

470 322 39 00 8  
FRANCO JUAN C  
9958 RIDGEHAVEN AV  
LAS VEGAS NV 89148-4605

470 322 17 00 4  
FRED MOSS LAND INC  
704 N REXFORD DR # R36  
BEVERLY HILLS CA 90210

302 342 13 00 2  
FRENCH ROBERT D TR  
3612 SHAWNEE RD  
SAN DIEGO CA 92117-5721

470 312 11 00 3  
FRIEDMAN MORTON G  
7211 WHITEHALL LN  
WEST HILLS CA 91306

302 306 24 00 0  
FRITZ RUDOLF A & LOUELLYN D  
FAMILY TR  
2545 GUMTREE LN  
FALLBROOK CA 92028

470 321 13 00 5  
GARCIA ANTHONY L  
17922 RIVER CI APT 5  
CANYON COUNTRY CA 91387-3594

302 325 32 00 2  
GARCIA FAMILY TR  
PO BOX 85  
VERDI NV 89439-0085

470 302 03 00 7  
GARCIA FERNANDO V  
5431 BLACKWELDER ST  
LOS ANGELES CA 90016-3749

302 342 18 00 7  
GARCIA JOSEPHINA OCHOA  
1527 KIVA LN  
VISTA CA 92084-3021

470 312 06 00 9  
GARCIA SALVADOR  
16865 WEGMAN DR  
LA PUENTE CA 91744

302 341 16 00 4  
GARECHT FAMILY TRUST  
72 TURRINI CI  
DANVILLE CA 94526

470 322 09 00 1  
GATES LIVING TRUST  
645 BLUE RIDGE DR  
MARTINEZ CA 94553-5905

470 370 02 00 1  
GENTRY JOELLE C  
PO BOX 2700  
CALIFORNIA CITY CA 93504-0700

302 381 13 00 7  
GEPHART ROSS & JUDITH M  
3207 WHITNEY LN  
BURBANK CA 91504-1646

470 330 08 00 7  
GERVACIO MARTIN & JUDITH  
14900 OAKVALE RD 256  
ESCONDIDO CA 92027-5614

470 182 01 00 7  
GILLILAND MARK W TR  
619 BEVERLY PL  
SAN MARCOS CA 92069-3745

302 325 30 00 6  
GLOVER CARRICK GAR LIV TR  
6367 MOJAVE DR  
SAN JOSE CA 95120-5308

470 152 30 00 2  
GOENAGA JOE JR  
1113 N AVERY DR  
MOORE OK 73160

302 341 31 00 7  
GONZALES FRANK R & RUBY M  
5669 TREVINO WY  
BANNING CA 92220

470 080 19 00 7  
GONZALEZ JORGE & NANCY  
4032 MARTIN LUTHER KNIG BL  
LYNWOOD CA 90262

302 325 52 00 0  
GONZALEZ XAVIER & SOCORRO  
211 WEST 120TH ST  
LOS ANGELES CA 90061

470 151 05 00 3  
GORDEN T V & PATRICIA V  
P O BOX 2058  
CALIF CITY CA 93505

470 181 06 00 5  
GRANSTROM DANIEL LEE  
2602 SMOKE CANYON AV  
HENDERSON NV 89074-1970

470 080 31 00 1 **DUP**  
GUAY SEBASTIEN & MC MULLIN  
SUZANNE  
ADDRESS UNKNOWN

470 311 15 00 8  
GUO KYLE  
726 GLEN-MADY WY  
FOLSOM CA 95630-6278

469 230 04 00 6  
GUTOWICZ FAMILY TRUST  
5223 TEESDALE AV  
VALLEY VILLAGE CA 91607-2323

302 325 24 00 9  
HAGENSTEIN JOHANNA J TR  
2252 SUTTER VIEW LN  
LINCOLN CA 95648-7718

302 325 08 00 3  
HAHN JOHN W & HELEN J  
3276 RANCHO DIEGO CI  
EL CAJON CA 92019

302 325 15 00 3  
HAMMERSTONE REV TRUST  
2323 BROADRIDGE WY  
STOCKTON CA 95209-1248

302 341 18 00 0  
HANNA ANTOINE & LINDA  
1819 MONARCH RIDGE CI  
EL CAJON CA 92019

470 302 11 00 0  
HANSEN BRUCE R  
PO BOX 3366  
LIVERMORE CA 94551-3366

469 240 28 00 9  
HANZMANN ROBERTS & ANN  
MARGARET  
4024 N HANOVER DR  
PRESCOTT VALLEY AZ 86314-2370

302 341 32 00 0  
HARDEN MELVIN L & DOROTHY L  
53 EVANS ST  
WATERTOWN MA 02472

470 321 07 00 8  
HAROUTUNIAN BABKEN  
8018 BONFIELD AV  
NORTH HOLLYWOOD CA 91605

302 290 02 00 2  
HARVEY RUTH L TR  
P O BOX 240011  
LOS ANGELES CA 90024

302 342 08 00 8  
HAYES FAMILY TRUST  
2101 FAIRFIELD ST  
SAN DIEGO CA 92110

470 302 13 00 6  
HAYES KENNETH D ET AL  
1100 ILLINOIS ST  
FAIRFIELD CA 94533

302 342 15 00 8  
HEATH NORMAN E  
3503 N BOND AV  
FRESNO CA 93726-5715

302 030 15 00 4  
HELASH JOHN  
5670 WEST MALL  
ATASCADERO CA 93422-7223

302 030 16 00 7  
HELASH YVONNE  
36945 CALLE ARRUZA  
TEMECULA CA 92592

470 312 04 00 3  
HELLER GARY & HELENE S AB  
LIVING TRUST  
23929 BERDON ST  
WOODLAND HILLS CA 91367

302 341 37 00 5  
HIBBING MARK A  
PO BOX 26092  
ANAHEIM CA 92825-6092

470 380 06 00 6  
HIGGINS MICHAEL  
2784 HOMESTEAD RD  
SANTA CLARA CA 95051-5353

470 080 28 00 3  
HINGELEY DAVID D  
1382 RODEO DR  
LA JOLLA CA 92037

302 325 26 00 5  
HITCHHIKER FAMILY TRUST  
1801 CROWFORD WY  
PAHRUMP NV 89048

302 306 17 00 0  
HOLMES ELENORA FAMILY TRUST  
22878 S CANYON LAKE DR  
CANYON LAKE CA 92587-7593

461 170 15 00 5  
HOOD PAUL E & MARTHA O  
8940 LILLIENTHAL AV  
LOS ANGELES CA 90045

470 322 02 00 0  
HOPKINS JAMES R  
PO BOX 3230  
CLEARLAKE CA 95422-3230

302 341 30 00 4  
HOPKINSON ISAAC B & SANDRA E  
18335 VINE ST  
HESPERIA CA 92345-5532

302 303 01 00 2  
HOUN SONN LAY & TAING HEANG  
HOUE  
1180 MIRA VALLE ST  
MONTEREY PARK CA 91754-4829

302 306 20 00 8 **DUP**  
HSU HAN SHUI & LIN RUTH  
ADDRESS UNKNOWN

302 342 16 00 1  
HUFFAKEN DAVID FORREST  
21375 BEAR VALLEY RD # 3  
APPLE VALLEY CA 92308-7201

470 321 04 00 9  
HUTSON LAWRENCE R & MARION TR  
622 MARGARITA AV  
CORONADO CA 92118

302 341 14 00 8  
IGLESIAS EMILY  
1317 HARTLEY AV  
SIMI VALLEY CA 93065-5206

302 342 01 00 7  
INLAND MANAGEMENT LLC  
405 MISSOURI CT  
REDLANDS CA 92373

470 140 05 00 3  
INVESTORS OF THE DECADE  
8644 PARKRUN RD  
SAN DIEGO CA 92129

470 301 20 00 9  
J D LOOMIS INVS LLC  
7100 LOCH LOMOND DR  
BETHESDA MD 20817-4760

470 151 13 00 6  
JAMES TRUST  
2950 W MUIR MOUNTAIN WY  
SAN BERNARDINO CA 92407-5185

302 460 19 00 1  
JAN JAU SONG & TWU CHUN LAN  
FMLY TR  
169 S KINGSLEY ST  
ANAHEIM CA 92806-4009

470 020 19 00 9  
JANIEKAY L L C  
15640 S 6TH PL  
PHOENIX AZ 85048

302 324 01 00 5  
JANWEJA AMIT  
9654 BURNET AV  
NORTH HILLS CA 91343-2311

469 190 32 00 6  
JAWORSKI KRYSTYNA ET AL  
34 GOLF VIEW DR  
DOVE CANYON CA 92679-3802

302 310 16 00 8  
JBL & ASSCS INC  
9049 CALIFORNIA CITY BL  
CALIFORNIA CITY CA 93505-2831



470 302 05 00 3  
JEFFRIES RONALD & JERRIE A  
2263 CALLENDER RD  
ARROYO GRANDE CA 93420

302 341 26 00 3  
JERDO LEWIS W  
2705 WILMA ST  
NATIONAL CITY CA 91950-7747

470 152 18 00 8  
JOHANSING LOYDELL H & DAVID A  
4450 COSUMNES VIEW TL  
PLACERVILLE CA 95667-8821

470 321 05 00 2  
JONES MARITAL TR  
P O BOX 2700  
CALIFORNIA CITY CA 93504

302 325 43 00 4  
JOURNEY TR  
PO BOX 1547  
SPRING VALLEY CA 91979-1547

302 305 02 00 9  
KAN RICHARD S  
520 RUSSELL AV  
MONTEREY PARK CA 91755

302 303 13 00 7  
KANG RICHARD & JENNY  
540 S KENMORE AV U 705  
LOS ANGELES CA 90020-2591

470 030 04 00 8  
KECK JACK R & SALLIE A KECK  
FAMILY TRUST  
41007 W 22ND ST  
PALMDALE CA 93551-2314

302 341 15 00 1  
KELLER BARBARA J  
4220 MEADOW WOOD CT  
EL DORADO HILLS CA 95762-7529

470 322 27 00 3  
KELLY ROSE  
PO BOX 46782  
LAS VEGAS NV 89114-6782

470 181 04 00 9  
KENSAY INTERNATIONAL CORP  
2625 E FIRST ST  
LOS ANGELES CA 90033

469 170 10 00 6  
KEREN & ASSCS LLC  
P O BOX 2016  
BEVERLY HILLS CA 90213

469 170 18 00 0  
KEREN & ASSOC LLC  
P O BOX 2016  
BEVERLY HILLS CA 90213

**DUP**

302 306 18 00 3  
KERN COUNTY GROUP LLC  
ADDRESS UNKNOWN

**DUP**

302 341 27 00 6  
KERNICK VICTOR J  
P O BOX 2113  
BUCKLY WA 98321-2113

302 330 34 00 6  
KHALILI ROHI  
6562 BIANCA AV  
VAN NUYS CA 91406-5337

470 350 06 00 7  
KHATIBI RICHARD  
P O BOX 16296  
ENCINO CA 91416

302 342 03 00 3  
KHIEU SINARA  
20019 THORNLAKE AV  
CERRITOS CA 90703

302 271 40 00 3  
KINOSHITA KAZUO  
7135 FIRMAMENT AV U 18  
VAN NUYS CA 91406

470 322 07 00 5  
KINOSHITA STANLEY H REVOCABLE  
TRUST  
3180 EL SOBRANTE ST  
SANTA CLARA CA 95051-3720

470 321 06 00 5  
KIRNON & WATERN TRUST  
2179 N RIVERSIDE AV  
RIALTO CA 92377-4007

470 360 06 00 0  
KIRTLEY JOHN R  
4029 CHESTNUT AV  
CONCORD CA 94519-1910

470 152 12 00 0  
KLEIS ARTHUR F & BERTHA M  
414 W MAIN ST  
ST CHARLES IA 50240

302 325 46 00 3  
KLIPPNESS KELLY & JACQUELINE S  
3340 SANDSTONE CT  
PALMDALE CA 93551-1057

302 341 19 00 3  
KOCH HARRY G & FLORDELIZA O TR  
14821 OAKLINE RD  
POWAY CA 92064-2995

470 322 12 00 9  
KOONCE QUINTON L & CARRIE L  
601 ALDERSON ST  
EL CAJON CA 92019

302 341 38 00 8  
KRAUS OTTO & MARY D  
998 KENNARD WY  
SUNNYVALE CA 94087

302 303 15 00 3  
LA MONICA TRUST  
28145 CALLE CASAL  
MISSION VIEJO CA 92692-1745

302 341 36 00 2  
LAMEE DONALD M  
710 MCLEOD ST  
LIVERMORE CA 94550-4766

470 010 12 00 5  
LAMPRECHT LIV TRUST  
42075 CALLE CORRIENTE  
MURRIETA CA 92562-9121

302 460 17 00 5  
LANTING CARLOS S & MARGARET R  
5200 E EL CEDRAL ST  
LONG BEACH CA 90815-3904

470 301 25 00 4  
LAWSON NORMAN CARL LIV TR  
P O BOX 1016  
HEMET CA 92546

302 290 30 00 3  
LAZARIS FMLY TR  
38370 SHOAL CREEK DR  
MURRIETA CA 92562

302 360 33 00 2  
LEE DAVIS S & SUSAN  
631 CAMINO VERDE  
S PASADENA CA 91030

302 290 12 00 1  
LEE KAM P & RENA ET AL  
853 E VALLEY BL # 103  
SAN GABRIEL CA 91776

302 341 25 00 0  
LEONARD MICHAEL J  
1378 PINE AV  
SAN JOSE CA 95125-3970

302 460 06 00 3  
LEVID DARNELO  
4635 PALMERO DR  
LOS ANGELES CA 90065

302 470 08 00 2  
LEVITT FAMILY TRUST  
23633 ARMINTA ST  
WEST HILLS CA 91304

302 460 07 00 6  
LIN OLIER CHIA HUA  
1978 N GREENGROVE ST  
ORANGE CA 92865-4621

302 325 42 00 1  
LOHRBACH RONALD P & MARY  
GUSSICK LIVING TR  
10914 NEW SALEM CI  
SAN DIEGO CA 92126

470 322 08 00 8  
LOMBARD KEVIN & DIANE FAMILY  
TRUST  
3648 DRIFTWOOD ST  
CHINO HILLS CA 91709

470 322 25 00 7  
LONGSHORE JEFFREY WAYNE  
19250 PINTO WY  
APPLE VALLEY CA 92308-6719

470 090 12 00 9  
LOO WAH & KOUI MOE  
ADDRESS UNKNOWN

**DUP**

302 480 18 00 4  
LOPEZ MARIA  
13373 ANOLA ST  
WHITTIER CA 90605-2806

470 090 03 00 3  
LU TRINA  
4016 LANDUA CT  
RIVERSIDE CA 92501

469 190 23 00 0  
LUGO JESS & ROSSANA  
12332 WHITLEY ST  
WHITTIER CA 90601-2725

302 480 01 00 4  
LY VENG TIENG ET AL  
3555 LOCUST AV  
LONG BEACH CA 90807

470 322 35 00 6  
MACRIS GEORGE FAMILY TRUST  
974 WOODLAND DR  
TURLOCK CA 95382-7281

470 080 29 00 6  
MAGES FAMILY TRUST  
10416 WILMINGTON LN BOX 15  
APPLE VALLEY CA 92308

470 080 18 00 4  
MAI TIMOTHY THANH & LAM MY  
HONG  
2157 S SPINNAKER ST  
ANAHEIM CA 92802

470 181 08 00 1  
MALDONADO LIONEL & YOLANDA  
23612 MARIN WY  
LAGUNA NIGEL CA 92677

470 090 04 00 6  
MAMAYAN GEVORK  
PO BOX 2387  
CALIFORNIA CITY CA 93504-0387

302 290 29 00 1  
MARITAL TRUST  
513 EUCLID ST  
SANTA MONICA CA 90402-2921

302 290 19 00 2  
MARTINEZ ALEJANDRO MIGUEL  
12421 VENICE BL STE 2  
LOS ANGELES CA 90066-3827

470 302 12 00 3  
MARTINEZ ROGELIO  
5255 W JEFFERSON BL  
LOS ANGELES CA 90016-3841

469 230 01 00 7  
MAZIN FAMILY TR  
12329 HARTSOOK ST  
VALLEY VILLAGE CA 91607-3052

470 151 09 00 5  
MAZIN FAMILY TRUST  
12329 HARTSOOK ST  
VALLEY VILLAGE CA 91607-3052

**DUP**

302 341 34 00 6  
MC BRIDE THOMAS E III & CAROLYN  
2021 QUEEN VICTORIA CT  
LAWRENCEVILLE GA 30043

302 341 42 00 9  
MC EVOY MARK P & GARIAN R  
15072 SNOWHILL ST  
FRISCO TX 75035

302 325 38 00 0  
MEARA JOSEPH L JR & NICOLETTE H  
18180 STEEPLECHASE DR  
PEYTON CO 80831-9303

470 330 11 00 5  
MELGOZA AURELIO  
2212 WHITE OAK AV  
WHITING IN 46394

469 170 16 00 4  
MERCADO NAVIDAD MENJIVAR &  
AYON JUAN MERCADO  
15980 GRAND AV SP M14  
LAKE ELSINORE CA 92530-5649

470 152 20 00 3  
MERKIN ELLIOTT & ELIZABETH  
833 W 10TH ST  
CLAREMONT CA 91711

470 330 03 00 2  
MEUNIER STEVEN  
22347 CABALLERO RD  
CLOVIS CA 93611-9621

470 151 01 00 1  
MILLER MELINDA J  
55 N MAIN ST STE 206  
LOGAN UT 84321-4584

302 330 17 00 7  
MIRZAYAN ARA FAMILY TRUST  
1342 DOVERWOOD DR  
GLENDALE CA 91207-1147

470 152 19 00 1  
MITCHELL LORI LYNN  
37233 SERPENTINE LN  
BURNEY CA 96013-4244

302 325 39 00 3  
MOORE INVESTMENT TRUST  
1140 EDMONT RD  
EMMETT ID 83617

470 080 32 00 4  
MOORE JOHN T & DONNA L FMLY TR  
52 VIA LARGA VISTA  
BONSALL CA 92003

470 152 02 00 1  
MORRIONE MICHAEL  
712 WHITE OAK  
RIDGECREST CA 93555

470 152 04 00 7  
MORRIONE MICHAEL  
27304 BALBOA CT  
HEMET CA 92544

470 152 03 00 4  
MORRIONE PHIL & DEBORAH  
5737 FLORENCE AV  
SOUTHGATE CA 90280

470 322 29 00 9  
MORRISON JAN  
2800 NEILSON WY STE 709  
SANTA MONICA CA 90405

302 325 10 00 8  
MULQUEEN MICHAEL O HEHIR  
1314 GATES HEAD DR  
BEL AIR MD 21014-2204

470 322 23 00 1  
MUNIZ RONALD E & NANCY P  
7037 PEMBROKE WY  
ROCKLIN CA 95677-4528

302 325 09 00 6  
MUSUNURU VAMSI  
PO BOX 1000  
SAN JOSE CA 95108-1000

302 342 07 00 5  
MYERS WILLIAM F  
5707 E 32ND ST # 972  
YUMA AZ 85365

470 151 04 00 0  
NAZARIAN JOHN V & MARY H  
27871 ENCANTO  
MISSION VIEJO CA 92692

470 360 05 00 7  
NELSON ERIKA LIVING TRUST  
7 DE LINO  
RANCHO SANTA MA CA 92688-1635

470 302 29 00 3  
NEVIS FRANK C  
108 E WYNOT DR  
NINE MILE FALLS WA 99026-9313

470 302 04 00 0  
NEVIS PEGGY A  
108 E WYNOT DR  
NINE MILE FALLS WA 99026-9313

302 480 09 00 8  
NEWMAN ILA MAE LIVING TRUST  
11145 MORENA AV  
LAKESIDE CA 92040

302 342 02 00 0  
NGO CATHERINE PHUONG  
13355 DURANGO PL  
CERRITOS CA 90703-8640

302 325 50 00 4  
NINH PHUNG KIEN  
PO BOX 40033  
STUDIO CITY CA 91614-4033

470 322 28 00 6  
NISBET ALISON LEIGH  
1977 HIGGINS LN  
EL CENTRO CA 92243

470 322 05 00 9  
NORTON GEORGE F  
1166 MADISON AV # 129  
LOVELAND CO 80537

302 271 42 00 9  
NOZOMI INVESTMENTS INC  
2625 E FIRST ST  
LOS ANGELES CA 90033

470 152 22 00 9  
NUESCH CHRISTIAN & MICHELE  
26523 CARDINAL DR  
SANTA CLARITA CA 91387-6318

302 325 25 00 2  
O BRIEN SUSAN  
3921 SUNSET LN  
OXNARD CA 93035-3948

470 090 06 00 2  
O DONNELL GERARD  
ADDRESS UNKNOWN

**DUP**

302 330 33 00 3  
O LAUGHLIN RANDALL & JEANIE M  
9650 DENHART AV  
CALIFORNIA CITY CA 93505-6200

469 170 23 00 4  
OAK INVS LLC  
P O BOX 2016  
BEVERLY HILLS CA 90213

302 290 04 00 8  
OCZKOWSKI EDWARD T  
660 EUCLID AV  
EL CENTRO CA 92243

469 170 09 00 4  
OJENA ARTHUR B & BETH Z  
10771 RICHALAND AV  
LOS ANGELES CA 90064

302 470 07 00 9  
OLIVEIRA FAMILY TRUST  
9005 FIELDING CT  
BAKERSFIELD CA 93307-5962

302 020 08 00 1  
ORTON DAVID M & PATRICIA D  
FAMILY TRUST  
1 ISLANDVIEW  
IRVINE CA 92604-3601

302 020 17 00 7                      **DUP**  
ORTON FAMILY TR  
1 ISLANDVIEW  
IRVINE CA 92604-3601

302 321 01 00 4  
ORTON JAMES L  
1265 MONTEREY AV  
BERKELEY CA 94707-2718

470 330 05 00 8  
PADUMANE RAVIPRAKASH R &  
SANDHYA R  
305 S PHILO DR  
LAFAYETTE LA 70506

302 020 21 00 8  
PALMER M STACEY  
615 E HOLLY AV # 202  
EL SEGUNDO CA 90245-4039

302 020 19 00 3  
PALMER M STACEY PROFIT SHARING  
PLAN & TR  
615 E HOLLY AV # 202  
EL SEGUNDO CA 90245-4039

302 342 17 00 4  
PAPLHAM CLAYTON MICHAEL  
P O BOX 10574  
COSTA MESA CA 92627

470 322 19 00 0  
PAPLHAM ERNEST CLAYTON  
P O BOX 812  
NEWPORT BEACH CA 92661-0812

470 322 21 00 5  
PAPLHAM KENNETH JOSEPH  
831 LANGHOLM WY  
RIVERSIDE CA 92508

470 322 20 00 2  
PAPLHAM TRUST  
2474 SHADY OAK DR  
GREEN BAY WI 54304-1644

469 170 04 00 9  
PATEL MUKESHBHAI V & NISHA A  
109 TOWERING BEECH CT  
SANDY SPRING MD 20860-1072

302 290 03 00 5  
PEACE JUDY ET AL  
116 WATERFORD CI  
RANCHO MIRAGE CA 92270

302 325 35 00 1  
PENDRAY EDWARD G & CLAIRE A  
FAMILY TR  
2700 TRIMMIER RD APT 6105  
KILLEEN TX 76542-6045

470 152 14 00 6  
PERRY JAMES F & BETTY L JOINT  
TRUST  
1118 ICHABOD CT  
NIXA MO 65714-7407

302 271 01 00 0  
PHAM KHANH  
2254 LEVIN ST  
MILPITAS CA 95035-2654

470 152 15 00 9  
PHELPS JOHN & SHIRLEY  
2460 W ROBY AV  
PORTERVILLE CA 93257-7718

470 322 40 00 0  
PIERCE DELORES A  
5201 RUFFIN RD STE A  
SAN DIEGO CA 92123-1699

470 090 32 00 7  
PINETREE ENTERPRISE INC  
PO BOX 16665  
IRVINE CA 92623-6665

302 271 39 00 1  
PLATINUM DYNAMICS  
9844 HELENA AV  
MONTCLAIR CA 91763-2723

470 330 06 00 1  
POTTER ROSEMARY  
2790 BRAWLEY RD  
PINON HILLS CA 92372-9786

470 151 02 00 4  
POWERS RICHARD J & SANDRA JEAN  
6780 KENYON AV  
HESPERIA CA 92345

302 342 23 00 1  
PUJOL EMILIO  
11128 DEBBY ST  
NORTH HOLLYWOOD CA 91606-3710

470 140 09 00 5  
RAISZADEH ALI & LYNN  
2875 BRIARHAVEN LN  
CORONA CA 91720

302 342 21 00 5  
RANDALL GRACE DACONG TR  
4855 SAN FELIPE RD U 309  
SAN JOSE CA 95135-1296

470 312 05 00 6  
RANGEL GILBERTO  
18548 FIDALGO ST  
ROWLAND HGTS CA 91748

470 312 03 00 0  
RAPALO LUIZ JR  
7713 COLUMBINE AV  
CALIFORNIA CITY CA 93505

470 152 27 00 4  
RAPOLE MADHUSUDHAN RAO  
2017 SE 240TH AV  
SAMMAMISH WA 98075-8171

302 342 25 00 7  
REINELT FAMILY TRUST  
2701 FORRESTER DR  
LOS ANGELES CA 90064

470 322 16 00 1  
REISMAN TRUST FUND A 1  
603 N CAMDEN DR  
BEVERLY HILLS CA 90210-3203

470 370 03 00 4  
REITZ KEIKO JEAN  
PO BOX 21782  
BROOKLYN NY 11202-1782

302 325 51 00 7  
REYES JUAN  
2075 W 250TH ST  
LOMITA CA 90717

302 330 38 00 8  
REYES THOR-ALCYONE L & TITA C  
13918 BEAL FENCE CT  
MOORPARK CA 93021-5022

302 480 13 00 9  
RICHARD ADOLPH DAVIS INC  
P O BOX 935  
RANCHO MIRAGE CA 92270

461 220 24 00 5  
RIEGER CHRISTOPHER T & GLENDA O  
REVOCABLE TR  
8142 VENTURA CANYON AV  
PANORAMA CITY CA 91402-6141

470 100 08 00 0  
RIORDAN B J & TUTTLE D W  
27275 DELEMOS  
MISSION VIEJO CA 92692

470 380 02 00 4  
RIVERA FAMILY TR ET AL  
339 AVENIDA MARGARITA  
ANAHEIM CA 92807

469 170 01 00 0  
RIVERA FAMILY TRUST  
2889 EASTVIEW TR  
ESCONDIDO CA 92025-7774

470 380 04 00 0  
ROBERTO FAMILY TR ET AL  
675 HIGLEY WY  
OCEANSIDE CA 92057-5050

302 290 21 00 7  
ROBERTS STEVEN & DANIEL ET AL  
44345 SUNDELL AV  
LANCASTER CA 93536

302 030 05 00 5  
ROBERTSON CARL W JR  
6332 HUNGERFORD ST  
LAKEWOOD CA 90713-1259

302 341 33 00 3  
ROBILLIARD LIVING TR  
1823 61ST AV  
GIG HARBOR WA 98335-7565

302 325 23 00 6  
ROBL GUENTER H & FLORENCE TRS  
P O BOX 2096  
PORTERVILLE CA 93258

302 306 16 00 7  
ROBLES GILBERTO  
5938 N DEL LOMA AV  
SAN GABRIEL CA 91775-2514

469 240 27 00 6  
ROBLETO OLGA  
4037 PHELAN RD # 124  
PHELAN CA 92371-8915

469 240 21 00 8  
ROCHE JOHN J & ELAINE A TRUST  
727 3RD AV  
CHULA VISTA CA 91910-5888

470 322 10 00 3  
ROPER JERALD DEAN TR  
3679 CAMEO LN  
SAN DIEGO CA 92111-4044

302 460 05 00 0  
ROSS EMERITA F C  
3259 ALBRET ST  
LANCASTER CA 93536-8388

470 110 06 00 7  
ROTHSCHILD RAYMOND ET AL  
536 E THOMPSON BL # 9  
VENTURA CA 93001-2841

302 325 18 00 2  
ROY RICHARD & MARY FAMILY  
TRUST  
3208 WHEAT ST  
SAN DIEGO CA 92117-4430

302 306 26 00 6  
SABELINO AGUSTIN C & IRENE D  
15171 YORKSHIRE LN  
HUNTINGTN BCH CA 92647

470 090 01 00 7  
SAIDI GHOLAM R & MEIMAN L  
735 PLATEAU AV  
MONTEREY PARK CA 91755

470 151 06 00 6  
SALERNO MARY M  
11615 W CROSS SLOPE WY  
NAMPA ID 83686-5674

470 151 11 00 0  
SALERNO MARY MARTHA  
11615 W CROSS SLOPE WY  
NAMPA ID 83686-5674

302 290 28 00 8  
SAN FILIPPO VINCE & GRACE IRREV  
TR  
220 W PASEO DE CRISTOBAL  
SAN CLEMENTE CA 92672-5433

470 302 27 00 7  
SANCHEZ OCTAVIANO T & MEDINA  
BEATRIZ  
21124 74TH ST  
CALIFORNIA CITY CA 93505-4900



302 381 01 00 2  
SANH SE HEN & TAING HENG ZY ET  
AL  
5401 CHATSWORTH LN  
KELLER TX 76244

302 324 03 00 1  
SARKISIAN ALAN H  
3439 W 172ND ST  
TORRANCE CA 90504

302 324 02 00 8  
SARKISIAN ALAN H LIV TR  
16704 FALDA AV  
TORRANCE CA 90504-1736

470 151 14 00 9  
SATTERFIELD LARRY & DIANA  
FAMILY TR  
13701 ALDERWOOD LN APT 29L  
SEAL BEACH CA 90740-3928

470 140 01 00 1  
SAVITCH CHARLES S DECEDENTS  
TRUST  
PO BOX 260588  
ENCINO CA 91426-0588

470 322 26 00 0  
SCHURKE JASON & LIDIA  
1400 COLONY DR  
KEARNEY MO 64060-8404

470 020 06 00 1  
SEIZED PROPERTY  
15918 EL CENTRO  
HESPERIA CA 92345

470 322 11 00 6  
SELLENS MERL EST & F H  
3921 LAGUNA BLANCA DR  
SANTA BARBARA CA 93110

470 330 13 00 1  
SEPEHR ALI  
18175 KAREN DR  
TARZANA CA 91356

216 010 29 00 1  
SEYMOUR ENTERPRISES  
P O BOX 6998  
BEVERLY HILLS CA 90212

470 330 12 00 8  
SHIN FAMILY TRUST  
3511 HOLBORO DR  
LOS ANGELES CA 90027-1429

302 342 04 00 6  
SIDEBOTHAM JAMES & CAROLE TR  
32952 TESORO ST  
DANA POINT CA 92629

470 152 17 00 5  
SIEGELMAN ETHEL M  
240 MOSS ST APT 6  
LAGUNA BEACH CA 92651-3655

302 303 09 00 6  
SIPING BONIFACIO P & SATURNINA  
12911 RUBENS AV  
LOS ANGELES CA 90066

470 090 14 00 5  
SIU ADOLPHE  
ADDRESS UNKNOWN **DUP**

470 090 15 00 8  
SIU ALEXIS  
2737 ROSEDALE AV  
SOQUEL CA 95073-2636

302 342 24 00 4  
SKRODINSKY ANDREW L  
336 BROWNING RD  
VOLGA WV 26238-7422

470 380 05 00 3  
SMITH ALVA & BETTY REV LIV TR  
9412 GORDON AV  
LA HABRA CA 90631-2459

302 020 10 02 4  
SMITH JOANNE W  
117 TUJUNGA AV  
OXNARD CA 93035

470 030 36 00 1  
SOBALVARRO FRANCISCO L &  
DOLORES T  
833 GRETTA AV  
COVINA CA 91790

470 302 22 00 2  
SOGAWA STANLEY T & LINDA K  
TRUST  
849 EBBETTS DR  
CAMPBELL CA 95008-5109

469 170 17 00 7  
SOLIS JOSE A & HILDA  
1215 SUGARBUSH DR  
VISTA CA 92084-7463

302 305 09 00 0  
SOO-HOO BALDWIN B H & YVONNE  
P O BOX 1020  
MONTEREY PARK CA 91754

302 341 40 00 3  
SORICK ZORA ELLEN LVG TRUST  
3295 FAWN DR  
SAN JOSE CA 95124-2206

302 322 07 00 9  
SPEIGHT ALLISON  
6239 DAMASK AV  
LOS ANGELES CA 90056-1732

302 290 22 00 0  
SPENGLER KLAUS & MUNEK  
10639 ROSELLE ST  
SAN DIEGO CA 92121-1539

470 321 16 00 4  
STADELMANN GEORGE A TR  
12017 HILLHURST CI  
GROVELAND CA 95321-9549

302 330 37 00 5  
STALKNEGT FAMILY TRUST  
14916 BURIN AV  
LAWNDALE CA 90260

302 010 04 00 6  
STATE OF CALIFORNIA  
1416 NINTH ST FLR 12  
SACRAMENTO CA 95814

302 470 19 00 4  
STELLO JOSEPH TRUST  
P O BOX 1868  
LANCASTER CA 93539-1868

469 030 01 00 9  
STELLO KATRINA M TR  
P O BOX 1868  
LANCASTER CA 93539

302 290 23 00 3  
STERLING MARJORIE H TRUST  
13267 MONTAGUE ST  
ARLETA CA 91331-4724

469 170 05 00 2  
STERNFELD JACK & EVELYN  
3902 PEACOCK RIDGE RD  
AGOURA HILLS CA 91301-5362

302 325 49 00 2  
STILLIENS MARVIN E & CAROLYN M  
2504 ELLEN LN  
SANTA MARIA CA 93455-7417

461 220 27 00 4  
SWANSON MAJA S  
P O BOX 6205  
WOODLAND HLS CA 91365

302 460 02 00 1  
TABORA ANTONIO M SEPARATE PROP  
TRUST  
2379 NALIN DR  
LOS ANGELES CA 90077-1806

470 301 23 00 8  
TAKAYAMA TOMOKATSU ET AL  
23232 82ND PL W  
EDMONDS WA 98026

470 301 24 00 1  
TAKAYAMA TOMOKATSU ET AL  
23232 W 82ND PL  
EDMONDS WA 98026-8720

470 302 19 00 4  
TERADA SHIRLEY M TR  
1580 VIREO AV  
SUNNYVALE CA 94087-5021

469 170 03 00 6  
THELLEND FAMILY TRUST  
26520 ATHENA AV  
HARBOR CITY CA 90710

302 325 01 00 2  
THIELE GARY F  
77 SUNSET LN U 234  
RIDGEFIELD CT 06877-4694

302 303 14 00 0  
TIERNAN JOSEPH W  
5817 OAKBROOK ST  
LONG BEACH CA 90815

302 325 02 00 5  
TINDALL FAMILY TR  
6069 ALLANS WY  
COULTERVILLE CA 95311

302 325 33 00 5  
TREVINO MARIA L  
324 MEDFORD HEIGHTS LN  
MEDFORD OR 97504-7550

470 360 02 00 8  
TRIPLE E DEV CORP  
5560 S FORT APACHE RD STE 100  
LAS VEGAS NV 89148-7699

470 090 13 00 2                    **DUP**  
TUMAHAI RONALD & GOODING  
ELINA  
ADDRESS UNKNOWN

302 341 05 00 2  
TWOHIG SKYLER  
2731 FREMONT LN  
COSTA MESA CA 92626-5607

302 325 41 00 8  
UCHIDA HARRY W & AMY E TR  
1904 ARMACOST ST  
W LOS ANGELES CA 90025

302 360 42 00 8  
UNION PACIFIC R/R CO  
1400 DOUGLAS ST # 1610  
OMAHA NE 68179-1610

470 130 14 00 6  
UPWARD LOOK INVS  
PO BOX 2432  
CALIFORNIA CITY CA 93504-0432

302 360 01 00 9  
UYETAKE JOE SENICHI & KAZUKO  
12304 SANTA MONICA BL STE 305  
LOS ANGELES CA 90025

302 325 54 00 6  
VALDEZ STANLEY & TERESA L  
893 BUENA VISTA WY  
CHULA VISTA CA 91910

302 460 18 00 8  
VALLEE GUY L & MARLA L  
PO BOX 5571  
PAHRUMP NV 89041-5571

302 306 25 00 3  
VAN DER HEIDE HENDRIK & C G  
3431 KENTWATER DR  
BUFORD GA 30519-7713

302 290 01 00 9  
VARTANIAN TINA V TR  
PO BOX 4584  
VALLEY VILLAGE CA 91617

302 325 47 00 6  
VASQUEZ PEDRO A & RUTH M REV  
LIVING TRUST  
11859 MOUNT CAMBRIDGE CT  
RANCHO CUCAMONG CA 91737-7917

302 341 17 00 7  
VERNON FAMILY TRUST  
35 GRAND MIRAMAR DR  
HENDERSON NV 89011-2203

470 322 36 00 9  
VON EITZEN WOLFGANG TRUST  
501 VIA CASITAS  
GREENBRAE CA 94904-1901

302 470 11 00 0  
VON WATTENVILLE KARINA  
PO BOX 1503  
LOS ANGELES CA 90078-1503

470 380 03 00 7  
VUONG HUNG  
8524 SHARP AV  
SUN VALLEY CA 91352

470 152 09 00 2  
WAER RICHARD DEAN EST  
12 DRAKE AV  
RYE NY 10580-1309

302 305 15 00 7  
WANG NATHAN & LYNDA S  
12523 NEON WY  
GRANADA HILLS CA 91344-1342

302 341 21 00 8  
WARD CHARLES M & ETHELLEA  
828 ROCK LEDGE RD  
HEBER SPRINGS AR 72543-7990

461 220 20 00 3  
WEISSMAN RICHARD RECEIVER  
12121 WILSHIRE BL STE 600  
LOS ANGELES CA 90025

302 342 06 00 2  
WENZEL LIVING TR  
764 CHERRY HILLS LN  
RIO VISTA CA 94571

470 350 08 00 3  
WEST PALM DEV CO  
1875 E CENTURY PK STE 2230  
LOS ANGELES CA 90067-2522

302 290 17 00 6 **DUP**  
WESTERN PACIFIC ENTERPRISES INC  
ADDRESS UNKNOWN

225 264 05 00 8  
WHEELER FAMILY TRUST  
2107 DEL HOLLOW ST  
LAKEWOOD CA 90712

302 303 03 00 8  
WHITELOCK LORETTA ET AL  
13442 PEPPERDINE CI  
WESTMINSTER CA 92683

470 322 24 00 4  
WILD FAMILY TRUST  
1314 CORTE DE LOS VECINOS  
WALNUT CREEK CA 94598-2902

302 325 48 00 9  
WILLIAMS JODI  
1217 SAN JUAN AV  
SAN JOSE CA 95110-1441

470 350 02 00 5  
WILLIAMS VIRGINIA  
2926 MILLSBRAE AV  
OAKLAND CA 94605-1102

470 020 13 00 1  
WILLIAMSON LIVING TRUST  
P O BOX 2613  
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470 130 16 00 2  
WILLIS STEPHEN & MARY 2008 TR  
32925 VISTA DE ORO  
TEMECULA CA 92591

470 301 22 00 5  
WOLFE GLENDA  
P O BOX 2016  
BEVERLY HILLS CA 90213

470 080 16 00 8  
WOLFE JEFFREY  
206 S STANLEY DR  
BEVERLY HILLS CA 90211-3005

470 152 16 00 2  
WOLPERT FAMILY TRUST  
835 COLDSTREAM DR  
EL CAJON CA 92020-7719

302 341 22 00 1  
WOMACK JAMES O  
233 TALISMAN DR APT 2  
PAGOSA SPGS CO 81147-8202

470 360 04 00 4  
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4110 NE 118TH AV  
KIRKLAND WA 98033-8745

470 322 30 00 1  
WRAY ROBERT W JR & LORRAINE R  
1450 SW DELOS AV  
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470 330 10 00 2  
WU HELEN  
115 MAPLE AV  
MORRISTOWN NJ 07960

470 330 15 00 7  
YABLONSKI FAMILY TRUST A  
35859 BLACK MARLIN DR  
LEWES DE 19958-5036

470 370 04 00 7  
YEE DANIEL  
1080 BUSH # 600  
SAN FRANCISCO CA 94109

302 305 07 00 4 **DUP**  
YONG AMOS W  
ADDRESS UNKNOWN

302 305 01 00 6  
YONG AMOS W - BEATRICE - FONG  
1373 SUNNYSLOPE DR  
MONTEREY PARK CA 91754-4503

302 381 04 00 1  
YOON BYUNG YUL  
4124 TRACY ST  
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470 350 01 00 2  
YOUNT LIV TR  
1075 CAMINO RICARDO  
SAN JOSE CA 95125-4306

470 140 08 00 2  
ZABEL MARILYN O LIV TR  
2514 FERNWOOD DR  
VIENNA VA 22181-4019

469 170 11 00 9  
ZAVALA HERMENEGILDO  
8001 FOREST BL  
CALIFORNIA CITY CA 93505-4323

470 322 37 00 2 **DUP**  
ZHANG XIANZHI  
ADDRESS UNKNOWN

302 290 27 00 5  
ZONOS FAMILY PROP LLC  
223 VIA MALAGA  
SAN CLEMENTE CA 92673-6702

461 220 30 00 2  
ZSIGMOND FAMILY TRUST  
150 LOMBARD ST STE 301  
SAN FRANCISCO CA 94111-6219

469 170 22 00 1  
ZUNIGA CIRA A  
10222 NORMA GARDEN DR # 3  
SANTEE CA 92071

469 230 02 00 0  
2497 TRUST  
3525 DEL MAR HEIGHTS RD APT 934  
SAN DIEGO CA 92130-2199

302 290 17 00 6  
WESTERN PACIFIC ENTERPRISES INC  
MAIL & MORE, BOX #10  
BANILAD TOWN CENTER, 2ND FLOOR

470 302 282  
ESKANOS IRWIN J  
2325 CLAYTON RD  
CONCORD CA 94520

302 341 094  
SIN SANDY SINUON  
11729 BENFIELD AV  
NORWALK CA 90650-7706

302 341 201  
BISHIP IAN  
300 N 11TH AV 436  
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302 341 417  
CASON BILLY D & ROSE MARIE  
4827 GRAYWOOD AV  
LONG BEACH CA 90808

302 342 118  
POLAN HAROLD E & AUDREY A  
10814 DAKOTA RANCH RD  
SANTEE CA 92071

302 342 191  
KOLLAR JUDITH L  
168 N B ST  
TUSTIN CA 92780-3111

302 470 042  
KING ALAN S & DAVID M  
5090 LADY BANK LN  
AIKEN SC 29803-1733

302 470 059  
LUONG FAMILY TRUST  
1002 S 1ST ST  
ALHAMBRA CA 91801

469 170 088  
VOGL DAVID J & KAREN C  
2030 SHADOW CANYON RD  
ACTON CA 93510

469 240 303  
SUH DAVID MYUNG  
4562 PORTER ST  
FREMONT CA 94538-2523

470 080 011  
BIGGAR PATRICIA TRUST  
PO BOX 41268  
BAKERSFIELD CA 93384-1268

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# Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P. O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613  
For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH # \_\_\_\_\_

**Project Title:** Kudu Solar Farm by 69SV 8ME LLC

Lead Agency: Kern County Planning and Natural Resources Department

Contact Person: Ronelle Candia

Mailing Address: 2700 "M" Street Suite 100

Phone: (661) 862-8997

City: Bakersfield

Zip: 93301

County: Kern

**Project Location:** County: Kern

City/Nearest Community: City of California City

Cross Streets: bisected E/W by Washburn Blvd. and N/S by Neuralia Road; 1-mile west of State Route 14, Zip Code: 93501

Lat. / Long.: 35°10'41.39" N / 118° 00'37.92"W

Total Acres: 2,672.53

Assessor's Parcel No.: Multiple

Section: Multiple Twp.: 31S, 32S Range: 37E Base: SBB&M

Within 2 Miles: State Hwy #: SR 14

Waterways: Cache Creek

Airports: California City Airport

Railways: Union Pacific

Schools: \_\_\_\_\_

## Document Type:

CEQA:

- ☒ NOP  
☐ Early Cons  
☐ Neg Dec  
☐ Mit Neg Dec

- ☐ Draft EIR  
☐ Supplement/Subsequent EIR  
(Prior SCH No.) \_\_\_\_\_  
Other \_\_\_\_\_

NEPA:

- ☐ NOI  
☐ EA  
☐ Draft EIS  
☐ FONSI

Other:

- ☐ Joint Document  
☐ Final Document  
☐ Other \_\_\_\_\_

## Local Action Type:

- ☐ General Plan Update  
☒ General Plan Amendment  
☐ General Plan Element  
☐ Community Plan

- ☐ Specific Plan  
☐ Master Plan  
☐ Planned Unit Development  
☐ Site Plan

- ☒ Rezone  
☐ Prezone  
☒ Use Permit  
☐ Land Division (Subdivision, etc.)

- ☐ Annexation  
☐ Redevelopment  
☐ Coastal Permit  
☐ Other \_\_\_\_\_

## Development Type:

- ☐ Residential: Units \_\_\_\_\_ Acres \_\_\_\_\_  
☐ Office: Sq.ft. \_\_\_\_\_ Acres \_\_\_\_\_ Employees \_\_\_\_\_  
☐ Commercial: Sq.ft. \_\_\_\_\_ Acres \_\_\_\_\_ Employees \_\_\_\_\_  
☐ Industrial: Sq.ft. \_\_\_\_\_ Acres \_\_\_\_\_ Employees \_\_\_\_\_  
☐ Educational \_\_\_\_\_  
☐ Recreational \_\_\_\_\_

- ☐ Water Facilities: Type \_\_\_\_\_ MGD \_\_\_\_\_  
☐ Transportation: Type \_\_\_\_\_  
☐ Mining: Mineral \_\_\_\_\_  
☒ Power: Type Solar PV MW 500  
☐ Waste Treatment: Type \_\_\_\_\_ MGD \_\_\_\_\_  
☐ Hazardous Waste: Type \_\_\_\_\_  
☒ Other: Battery Energy Storage up to 600 MW

## Project Issues Discussed in Document:

- |   |  |   |  |
|---|--|---|--|
| <input checked="" type="checkbox"/> Aesthetic/Visual  | <input type="checkbox"/> Fiscal                                | <input checked="" type="checkbox"/> Recreation/Parks                | <input checked="" type="checkbox"/> Vegetation               |
| <input checked="" type="checkbox"/> Agricultural Land   | <input checked="" type="checkbox"/> Flood Plain/Flooding       | <input checked="" type="checkbox"/> Schools/Universities            | <input checked="" type="checkbox"/> Water Quality            |
| <input checked="" type="checkbox"/> Air Quality   | <input checked="" type="checkbox"/> Forest Land/Fire Hazard    | <input checked="" type="checkbox"/> Septic Systems                  | <input checked="" type="checkbox"/> Water Supply/Groundwater |
| <input checked="" type="checkbox"/> Archeological/Historical                                      | <input checked="" type="checkbox"/> Geologic/Seismic           | <input checked="" type="checkbox"/> Sewer Capacity                  | <input checked="" type="checkbox"/> Wetland/Riparian         |
| <input checked="" type="checkbox"/> Biological Resources  | <input checked="" type="checkbox"/> Minerals                   | <input checked="" type="checkbox"/> Soil Erosion/Compaction/Grading | <input checked="" type="checkbox"/> Wildlife                 |
| <input type="checkbox"/> Coastal Zone   | <input checked="" type="checkbox"/> Noise                      | <input checked="" type="checkbox"/> Solid Waste                     | <input checked="" type="checkbox"/> Growth Inducing          |
| <input checked="" type="checkbox"/> Drainage/Absorption   | <input checked="" type="checkbox"/> Population/Housing Balance | <input checked="" type="checkbox"/> Toxic/Hazardous                 | <input checked="" type="checkbox"/> Land Use                 |
| <input checked="" type="checkbox"/> Economic/Jobs   | <input checked="" type="checkbox"/> Public Services/Facilities | <input checked="" type="checkbox"/> Traffic/Circulation             | <input checked="" type="checkbox"/> Cumulative Effects       |
| <input checked="" type="checkbox"/> Other <u>GHG, Wildfire, Tribal Cultural Resources, Energy</u> |  |   |  |

## Present Land Use/Zoning/General Plan Designation:

Undeveloped Land/*Kern County General Plan*: 5.6 (Min. 2.5 Gross Acres/Unit (Fremont Interim Rural Community Plan), 8.5 (8.5 - Resource Management, Min. 20 Acre Parcel Size). *Kern County Zoning*: A (Exclusive Agriculture); A-1 (Limited Agriculture); A-1 MH (Limited Agriculture, Mobile Home Combining); PL RS (Platted Lands, Residential Suburban Combining); PL RS MH (Platted Lands, Residential Suburban Combining, Mobile Home Combining). *California City General Plan*: O/RA - Controlled Development, Public Parks & Recreation or Public Schools. *California City Zoning*: O/RA (Open Space/Residential/Agricultural).



**Project Description:**

The Kudu Solar Farm Project by 69SV 8ME LLC (project proponent), is a proposed photovoltaic solar facility and energy storage system capable of producing up to 500 MW of alternating current power and 600 MW hours of storage capacity on approximately 1,955.13 acres of privately-owned land. The proposed project would be supported by a 230-kV gen-tie overhead and/or underground generation tie-line (gen-tie) from originating from the Eland substation and terminating at the Los Angeles Department of Water and Power's Barren Ridge Substation located approximately two miles to the northwest of the project site, or through an upgraded connection through Eland 1. The proposed project intends to share the Eland 1 Solar Project's gen-tie line and right of way, which will be accomplished by constructing the line conductor capable of supporting both projects. Construction of the gen-tie and substation will be done as part of the Eland 1 Solar Project, consistent with the conditions of approval outlined in that project's CUP(s). If the proposed project cannot share these facilities, a new gen-tie line would be developed within one of the routes previously analyzed in the Eland 1 Solar Supplemental Environmental Impact Report (State Clearinghouse No. 2012011029). The proposed project's permanent facilities would include solar arrays and inverters, service roads, a power collection system, communication cables, overhead and underground electrical switchyards, project substations, energy storage system(s), and operations and maintenance (O&M) facilities.

Implementation of the project as proposed would require: *Kern County*: a) ZCC 14, Map #152; b) CUP 28, Map #152; and c) GPA 10, Map #152. *California City*: a) CUP 19-04

## Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with and "X".

If you have already sent your document to the agency please denote that with an "S".

|  |   |
|--|---|
| <input checked="" type="checkbox"/> S Air Resources Board                  | <input type="checkbox"/> Office of Emergency Services                         |
| <input type="checkbox"/> Boating & Waterways, Department of                | <input type="checkbox"/> Office of Historic Preservation                      |
| <input checked="" type="checkbox"/> S California Highway Patrol            | <input type="checkbox"/> Office of Public School Construction                 |
| <input type="checkbox"/> CalFire   | <input checked="" type="checkbox"/> S Parks & Recreation                      |
| <input checked="" type="checkbox"/> S Caltrans District # <u>6 &amp; 9</u> | <input type="checkbox"/> Pesticide Regulation, Department of                  |
| <input checked="" type="checkbox"/> S Caltrans Division of Aeronautics     | <input checked="" type="checkbox"/> S Public Utilities Commission             |
| <input type="checkbox"/> Caltrans Planning (Headquarters)                  | <input checked="" type="checkbox"/> S Regional WQCB # <u>Lahontan</u>         |
| <input type="checkbox"/> Central Valley Flood Protection Board             | <input type="checkbox"/> Resources Agency                                     |
| <input type="checkbox"/> Coachella Valley Mountains Conservancy            | <input type="checkbox"/> S.F. Bay Conservation & Development Commission       |
| <input type="checkbox"/> Coastal Commission                                | <input type="checkbox"/> San Gabriel & Lower L.A. Rivers and Mtns Conservancy |
| <input type="checkbox"/> Colorado River Board                              | <input type="checkbox"/> San Joaquin River Conservancy                        |
| <input checked="" type="checkbox"/> S Conservation, Department of          | <input type="checkbox"/> Santa Monica Mountains Conservancy                   |
| <input type="checkbox"/> Corrections, Department of                        | <input checked="" type="checkbox"/> S State Lands Commission                  |
| <input type="checkbox"/> Delta Protection Commission                       | <input type="checkbox"/> SWRCB: Clean Water Grants                            |
| <input type="checkbox"/> Education, Department of                          | <input type="checkbox"/> SWRCB: Water Quality                                 |
| <input checked="" type="checkbox"/> S Energy Commission                    | <input type="checkbox"/> SWRCB: Water Rights                                  |
| <input checked="" type="checkbox"/> S Fish & Game Region # <u>Fresno</u>   | <input type="checkbox"/> Tahoe Regional Planning Agency                       |
| <input checked="" type="checkbox"/> S Food & Agriculture, Department of    | <input checked="" type="checkbox"/> S Toxic Substances Control, Department of |
| <input type="checkbox"/> General Services, Department of                   | <input checked="" type="checkbox"/> S Water Resources, Department of          |
| <input type="checkbox"/> Health Services, Department of                    |   |
| <input type="checkbox"/> Housing & Community Development                   | <input type="checkbox"/> Other _____  |
| <input checked="" type="checkbox"/> S Integrated Waste Management Board    | <input type="checkbox"/> Other _____  |
| <input checked="" type="checkbox"/> X Native American Heritage Commission  |   |

---

### Local Public Review Period (to be filled in by lead agency)

Starting Date September 15, 2020 Ending Date October 15, 2020

---

### Lead Agency (Complete if applicable):

|   |   |
|---|---|
| Consulting Firm: <u>Michael Baker International</u>   | Applicant: <u>69SV 8ME LLC c/o 8minute Solar Energy</u> |
| Address: <u>3760 Kilroy Airport Way, Suite 270</u>    | Address: <u>250 Sutter Street, Suite 600</u>            |
| City/State/Zip: <u>Long Beach, CA 90806</u>           | City/State/Zip: <u>San Francisco, CA 94108</u>          |
| Contact: <u>Randy Nichols, Senior Project Manager</u> | Phone: <u>(415) 818-5103</u>                            |
| Phone: <u>(562) 200-7168</u>                          |   |

---

Signature of Lead Agency Representative: \_\_\_\_\_ /s/ \_\_\_\_\_ Date: 09/15/2020

Ronelle Candia, Supervising Planner

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

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## **INITIAL STUDY/NOTICE OF PREPARATION**

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### **Kudu Solar Farm by 69SV 8ME LLC**

Zone Change Classification No. 14, Map No. 152  
Conditional Use Permit No. 28, Map No. 152  
General Plan Amendment No. 10, Map No. 152 (Circulation)

(PP20405)

---

### **LEAD AGENCY:**



Kern County Planning and Natural Resources Department  
2700 M Street, Suite 100  
Bakersfield, CA 93301-2370  
Contact: Ronelle Candia, Supervising Planner  
(661) 862-8997  
candiar@kerncounty.com

### **RESPONSIBLE AGENCY:**



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21000 Hacienda Boulevard  
California City, CA 93505  
Contact: Shawn Monk, City Planner/Economic Development Administrator  
(760) 373-7141  
smonk@californiacity-ca.gov

**TECHNICAL ASSISTANCE BY: Michael Baker International**

**September 2020**

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# 1. Project Description

## 1.1. Project Location

The proposed Kudu Solar Farm Project (proposed project) is a proposal by 69SV 8ME LLC (project proponent) to construct and operate a photovoltaic (PV) solar facility and associated infrastructure to generate up to 500 megawatts (MW) of renewable electrical energy and up to 600 MW of energy storage on approximately 1,955.13 acres of privately-owned land. The proposed project site is located in portions of unincorporated Kern County and the City of California City, north of the California City Municipal Airport (**Figure 1, Regional Vicinity Map**). The Project Area is adjacent to the approved Eland 1 Solar Farm, south of the existing Springbok 1 & 2 Solar Farms and would potentially share infrastructure with the Eland 1 Solar Farm, including, but not limited to , substations and gen-tie lines .The majority of the project site is bisected to the east-west by Washburn Boulevard (which is also the Kern County/California City limit line) and to the north-south by Neuralia Road. State Route 14, a four-lane divided highway located approximately one mile to the west, provides regional access to the project site. Access to the site would be from Phillips Road, Gantt Road, Neuralia Road, Pioneer Road, Sage Street, or through the Eland project site. The proposed project boundaries are illustrated in **Figure 2, Project Site Boundaries**.

According to the U.S. Geological Survey (USGS), the project site is located on the California City North and Mojave North East 7.5 minute USGS Quadrangles at Township 31S, Range 37E – portions of Sections 14, 15, 22, 23, 26, 27 , 28, 29, 30, 31, 32, 33, 34, 35 and Township 32S, Range 37E – portions of Sections 1, 2, 3, 4, 9, 10, 11, 12.

As shown on **Figure 4A to 4G**, the project site consists of five sites (Sites 1 through 5) sited on 75 parcels located in unincorporated Kern County and the City of California City. A total of 42 of the project parcels (totaling approximately 673.60 gross acres) are located within unincorporated Kern County, and 33 of the project parcels (totaling approximately 1,281.53 gross acres) are located within the jurisdictional limits of California City. The project is located within the boundaries of the Kern County General Plan, the Fremont Interim Rural Community Plan, and the City of California City General Plan. **Table 1, Project Assessor Parcel Numbers and Corresponding Map Codes, Existing and Proposed Zoning, and Acreage**, identifies the 75 individual assessor parcel numbers (APN), their respective acreages, general plan designations, and existing and proposed zoning designations.

**TABLE 1. PROJECT ASSESSOR PARCEL NUMBERS AND CORRESPONDING MAP CODES, EXISTING AND PROPOSED ZONING, AND ACREAGE**

| Site Number        | APN        | Map Code Designation                       | Existing Zoning | Proposed Zoning | Acres |
|--------------------|------------|--|-----------------|-----------------|-------|
| <b>Kern County</b> |            |  |                 |                 |       |
| 1                  | 470-020-19 | 8.5 (Kern County General Plan)             | A               | A               | 4.38  |
| 1                  | 470-151-09 | 8.5 (Kern County General Plan)             | A               | A               | 19.62 |
| 1                  | 470-151-15 | 8.5 (Kern County General Plan)             | A               | A               | 20.23 |
| 1                  | 470-151-16 | 8.5 (Kern County General Plan)             | A               | A               | 20.40 |
| 1                  | 470-151-17 | 8.5 (Kern County General Plan)             | A               | A               | 19.98 |
| 1                  | 470-152-01 | 5.6 (Fremont Interim Rural Community Plan) | A-1 MH          | A               | 39.32 |
| 1                  | 470-152-18 | 5.6 (Fremont Interim Rural Community Plan) | A-1 MH          | A               | 10.32 |
| 1                  | 470-152-19 | 5.6 (Fremont Interim Rural Community Plan) | A-1 MH          | A               | 4.93  |
| 1                  | 470-330-01 | 8.5 (Kern County General Plan)             | PL RS           | A               | 5.06  |



**TABLE 1, CONTINUED**

| Site Number                   | APN        | Map Code Designation                       | Existing Zoning | Proposed Zoning | Acres         |
|-------------------------------|------------|--|-----------------|-----------------|---------------|
| 1                             | 470-330-02 | 8.5 (Kern County General Plan)             | PL RS           | A               | 4.77          |
| 1                             | 470-330-03 | 8.5 (Kern County General Plan)             | A               | A               | 19.86         |
| 1                             | 470-330-04 | 8.5 (Kern County General Plan)             | A               | A               | 20.15         |
| 1                             | 470-330-06 | 5.6 (Fremont Interim Rural Community Plan) | A-1             | A               | 9.95          |
| 1                             | 470-330-07 | 5.6 (Fremont Interim Rural Community Plan) | A-2             | A               | 10.02         |
| 1                             | 470-330-14 | 8.5 (Kern County General Plan)             | PL RS           | A               | 4.89          |
| 1                             | 470-330-15 | 8.5 (Kern County General Plan)             | PL RS           | A               | 5.23          |
| 1                             | 470-350-04 | 8.5 (Kern County General Plan)             | A               | A               | 18.65         |
| 1                             | 470-350-05 | 8.5 (Kern County General Plan)             | A               | A               | 18.91         |
| 1                             | 470-350-06 | 8.5 (Kern County General Plan)             | A               | A               | 18.89         |
| 1                             | 470-350-07 | 8.5 (Kern County General Plan)             | A               | A               | 18.57         |
| 1                             | 470-350-08 | 8.5 (Kern County General Plan)             | A               | A               | 19.93         |
| 1                             | 470-360-01 | 8.5 (Kern County General Plan)             | A               | A               | 18.43         |
| 1                             | 470-360-02 | 8.5 (Kern County General Plan)             | A               | A               | 17.85         |
| 1                             | 470-360-05 | 8.5 (Kern County General Plan)             | A               | A               | 21.15         |
| 1                             | 470-380-01 | 8.5 (Kern County General Plan)             | A               | A               | 19.92         |
| 1                             | 470-380-04 | 8.5 (Kern County General Plan)             | A               | A               | 21.35         |
| 1                             | 470-380-05 | 8.5 (Kern County General Plan)             | A               | A               | 17.34         |
| 1                             | 470-380-06 | 8.5 (Kern County General Plan)             | A               | A               | 19.88         |
| 1                             | 470-380-07 | 8.5 (Kern County General Plan)             | A               | A               | 21.95         |
| 1                             | 470-020-08 | 8.5 (Kern County General Plan)             | A               | A               | 2.31          |
| 2                             | 470-080-15 | 8.5 (Kern County General Plan)             | A               | A               | 20.27         |
| 2                             | 470-080-16 | 8.5 (Kern County General Plan)             | PL RS MH        | A               | 10.07         |
| 2                             | 470-080-17 | 8.5 (Kern County General Plan)             | PL RS MH        | A               | 10.10         |
| 2                             | 470-080-32 | 8.5 (Kern County General Plan)             | PL RS MH        | A               | 10.07         |
| 2                             | 470-322-13 | 5.6 (Kern County General Plan)             | A-1 MH          | A               | 2.39          |
| 2                             | 470-322-15 | 5.6 (Kern County General Plan)             | A-1             | A               | 9.96          |
| 4                             | 470-302-24 | 8.5 (Kern County General Plan)             | PL RS MH        | A               | 2.59          |
| 4                             | 470-302-25 | 8.5 (Kern County General Plan)             | PL RS MH        | A               | 2.62          |
| 4                             | 470-302-26 | 8.5 (Kern County General Plan)             | PL RS MH        | A               | 2.52          |
| 5                             | 470-030-01 | 8.5 (Kern County General Plan)             | A               | A               | 79.22         |
| 5                             | 469-170-10 | 8.5 (Kern County General Plan)             | A               | A               | 10.02         |
| 5                             | 469-170-18 | 8.5 (Kern County General Plan)             | A               | A               | 39.49         |
| <b>Subtotal – Kern County</b> |            |  |                 |                 | <b>673.60</b> |
| <b>California City</b>        |            |  |                 |                 |               |
| 2                             | 302-341-29 | O/RA (California City General Plan)        | O/RA            | O/RA            | 168.79        |
| 2                             | 302-342-01 | O/RA (California City General Plan)        | O/RA            | O/RA            | 40.23         |
| 2                             | 302-342-11 | O/RA (California City General Plan)        | O/RA            | O/RA            | 2.67          |
| 2                             | 302-342-12 | O/RA (California City General Plan)        | O/RA            | O/RA            | 2.66          |
| 2                             | 302-342-19 | O/RA (California City General Plan)        | O/RA            | O/RA            | 29.69         |
| 2                             | 302-342-25 | O/RA (California City General Plan)        | O/RA            | O/RA            | 40.77         |
| 2                             | 302-342-26 | O/RA (California City General Plan)        | O/RA            | O/RA            | 39.89         |
| 2                             | 302-342-27 | O/RA (California City General Plan)        | O/RA            | O/RA            | 40.29         |
| 2                             | 302-342-28 | O/RA (California City General Plan)        | O/RA            | O/RA            | 40.68         |
| 2                             | 302-290-03 | O/RA (California City General Plan)        | O/RA            | O/RA            | 83.58         |
| 2                             | 302-020-08 | O/RA (California City General Plan)        | O/RA            | O/RA            | 40.17         |
| 2                             | 302-020-09 | O/RA (California City General Plan)        | O/RA            | O/RA            | 80.09         |



**TABLE 1, CONTINUED**

| Site Number  | APN        | Map Code Designation                | Existing Zoning | Proposed Zoning | Acres           |
|--|------------|-------------------------------------|-----------------|-----------------|-----------------|
| 2  | 302-020-11 | O/RA (California City General Plan) | O/RA            | O/RA            | 163.68          |
| 2  | 302-020-14 | O/RA (California City General Plan) | O/RA            | O/RA            | 40.99           |
| 2  | 302-020-15 | O/RA (California City General Plan) | O/RA            | O/RA            | 10.52           |
| 2  | 302-020-16 | O/RA (California City General Plan) | O/RA            | O/RA            | 10.15           |
| 2  | 302-020-17 | O/RA (California City General Plan) | O/RA            | O/RA            | 9.59            |
| 2  | 302-020-18 | O/RA (California City General Plan) | O/RA            | O/RA            | 9.98            |
| 2  | 302-470-14 | O/RA (California City General Plan) | O/RA            | O/RA            | 20.20           |
| 3  | 302-321-01 | O/RA (California City General Plan) | O/RA            | O/RA            | 160.93          |
| 3  | 302-322-01 | O/RA (California City General Plan) | O/RA            | O/RA            | 10.10           |
| 3  | 302-322-02 | O/RA (California City General Plan) | O/RA            | O/RA            | 10.09           |
| 3  | 302-322-04 | O/RA (California City General Plan) | O/RA            | O/RA            | 10.24           |
| 3  | 302-322-05 | O/RA (California City General Plan) | O/RA            | O/RA            | 10.28           |
| 3  | 302-322-06 | O/RA (California City General Plan) | O/RA            | O/RA            | 40.04           |
| 3  | 302-322-08 | O/RA (California City General Plan) | O/RA            | O/RA            | 10.33           |
| 3  | 302-322-09 | O/RA (California City General Plan) | O/RA            | O/RA            | 40.50           |
| 3  | 302-322-10 | O/RA (California City General Plan) | O/RA            | O/RA            | 10.27           |
| 3  | 302-322-11 | O/RA (California City General Plan) | O/RA            | O/RA            | 10.29           |
| 3  | 302-325-49 | O/RA (California City General Plan) | O/RA            | O/RA            | 9.74            |
| 3  | 302-330-33 | O/RA (California City General Plan) | O/RA            | O/RA            | 20.21           |
| 3  | 302-330-37 | O/RA (California City General Plan) | O/RA            | O/RA            | 20.38           |
| 3  | 302-305-15 | O/RA (California City General Plan) | O/RA            | O/RA            | 43.54           |
| <b>Subtotal – California City</b>  |            |                                     |                 |                 | <b>1,281.53</b> |
| <b>Total</b>   |            |                                     |                 |                 | <b>1,955.13</b> |
| <p><i>Kern County General Plan Map Code Designation:</i><br/>8.5 (Resource Management, Min. 20 Acre Parcel Size)</p> <p><i>Fremont Interim Rural Community Plan Map Code Designation:</i><br/>5.6 (Min. 2.5 Gross Acres/Unit).</p> <p><i>Kern County Zoning District:</i><br/>A (Exclusive Agriculture); A-1 (Limited Agriculture); A-1 MH (Limited Agriculture, Mobile Home Combining); PL RS (Platted Lands, Residential Suburban Combining); and, PL RS MH (Platted Lands, Residential Suburban Combining, Mobile Home Combining).</p> <p><i>California City General Plan Designation:</i><br/>O/RA = Controlled Development, Public Parks and Recreation or Public Schools</p> <p><i>California City Zoning District:</i><br/>O/RA = Open Space/Residential/Agricultural</p> |            |                                     |                 |                 |                 |



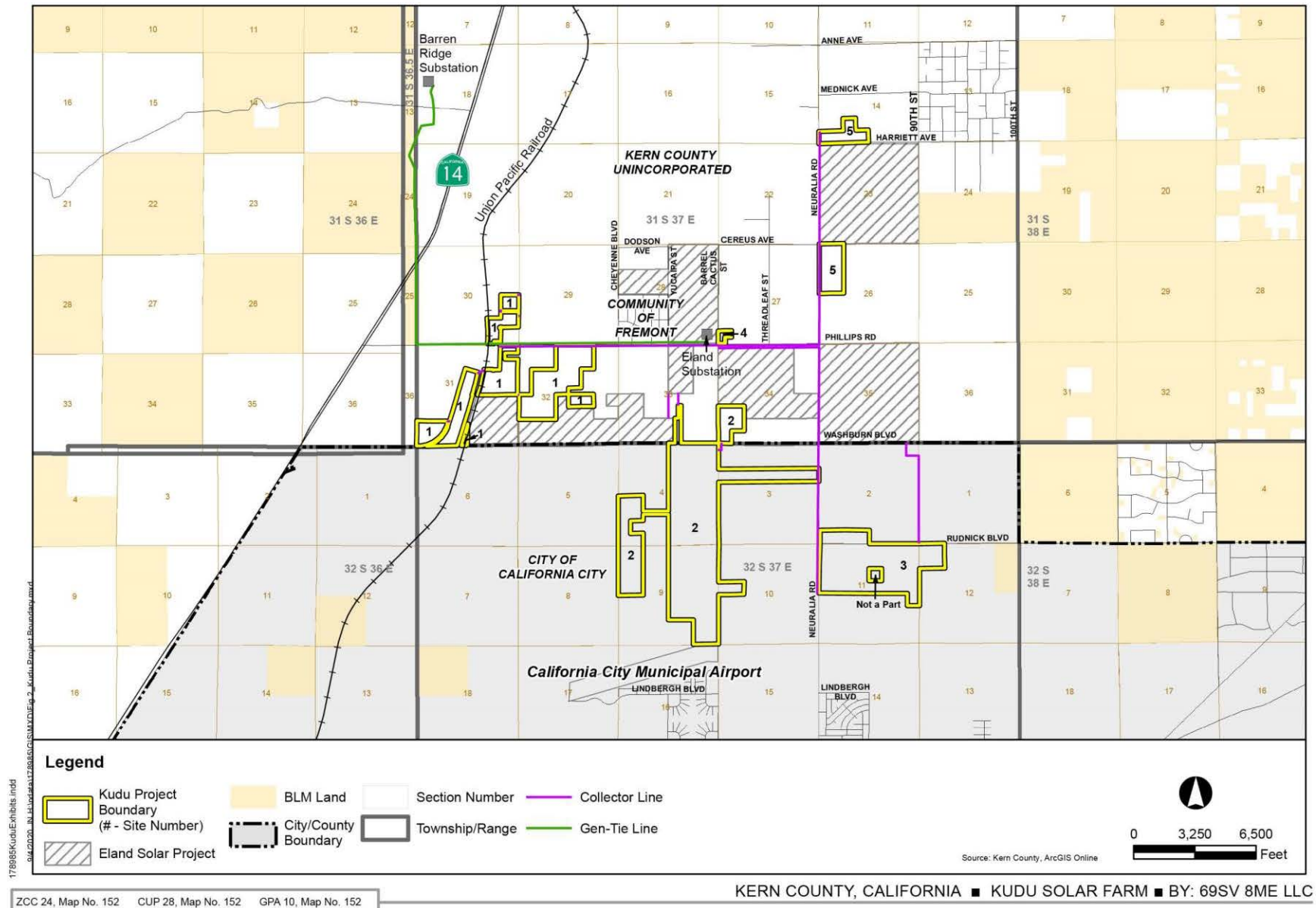


FIGURE 2  
PROJECT SITE BOUNDARIES



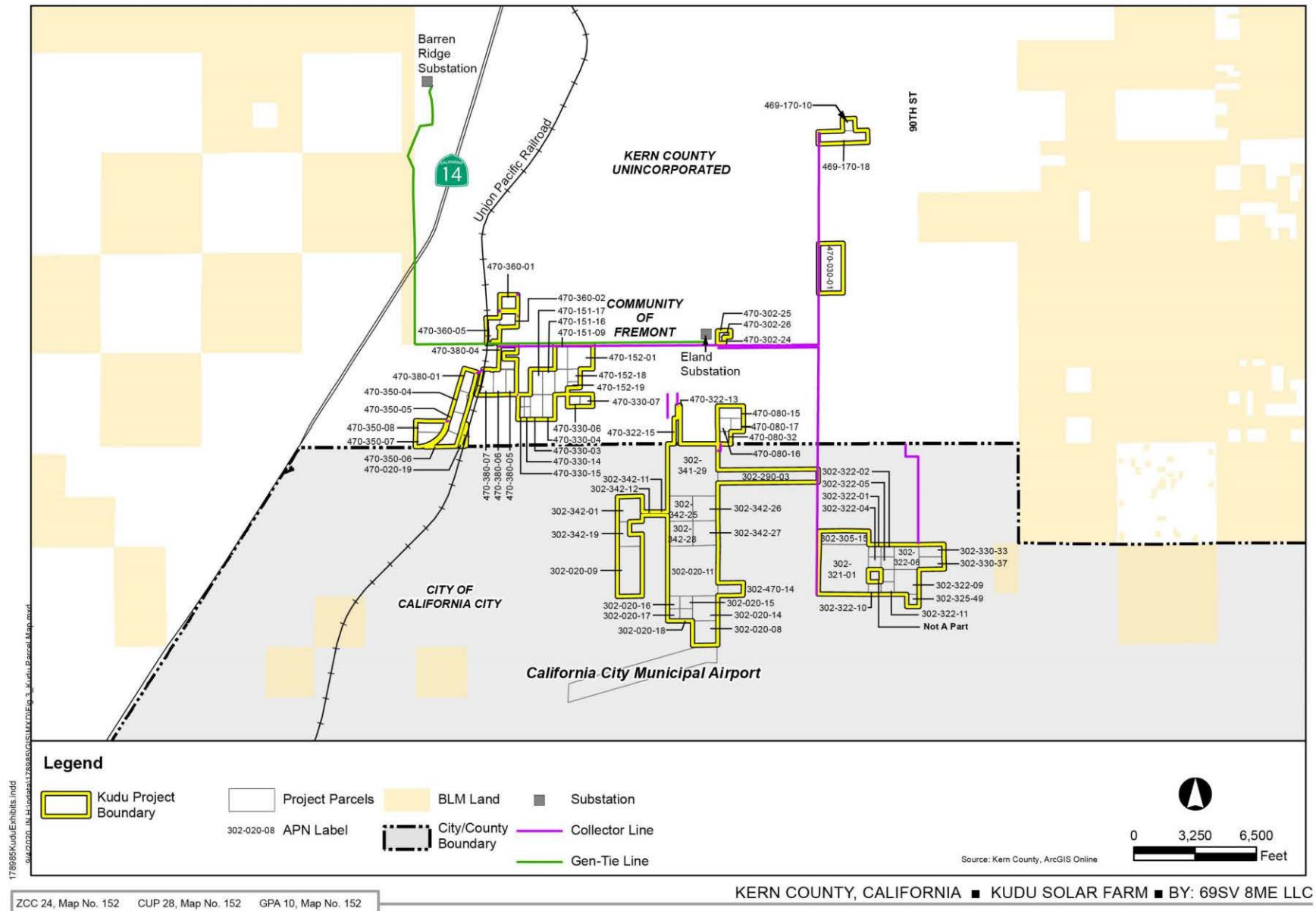


FIGURE 3  
PARCEL MAP

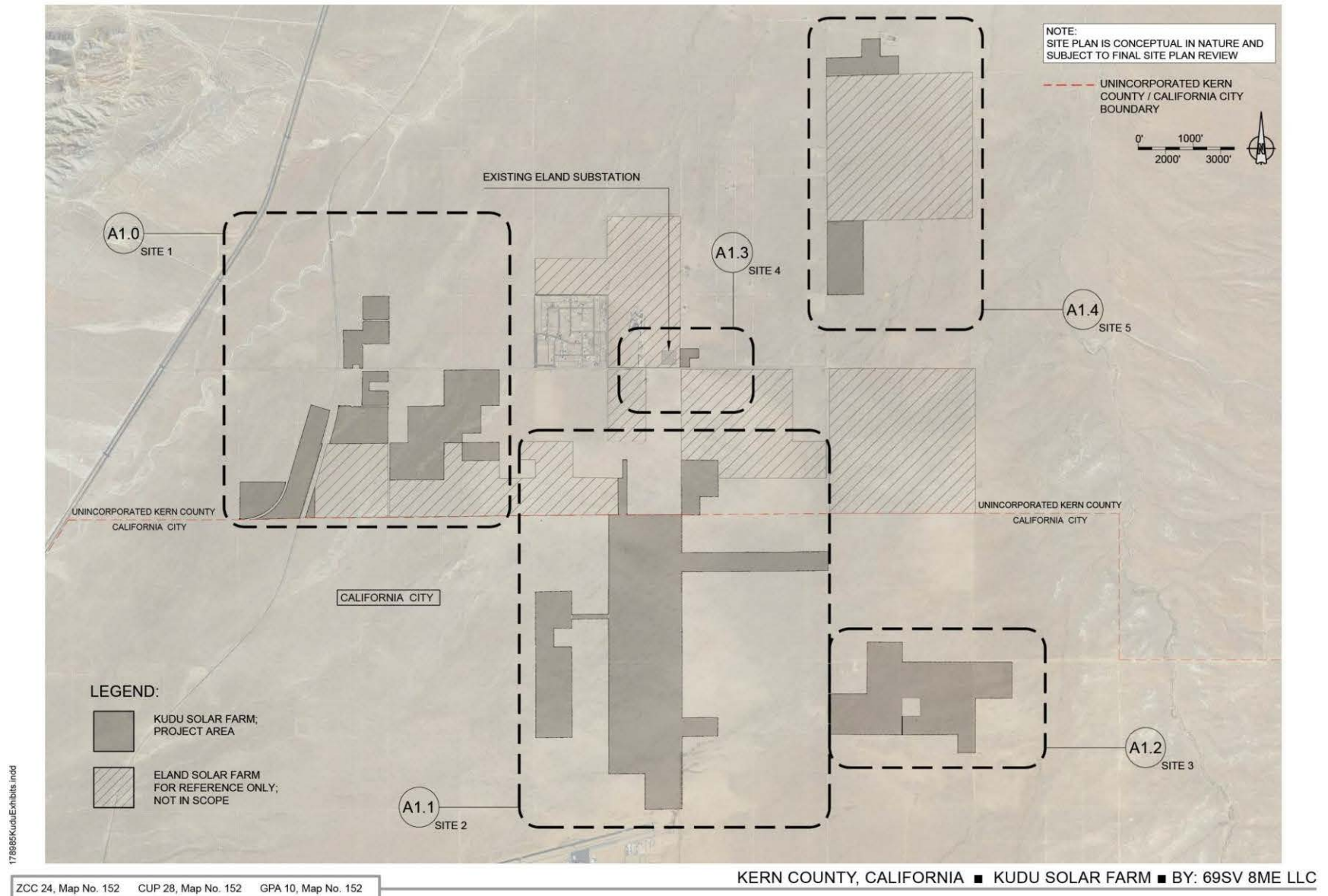


FIGURE 4A  
OVERALL SITE PLAN

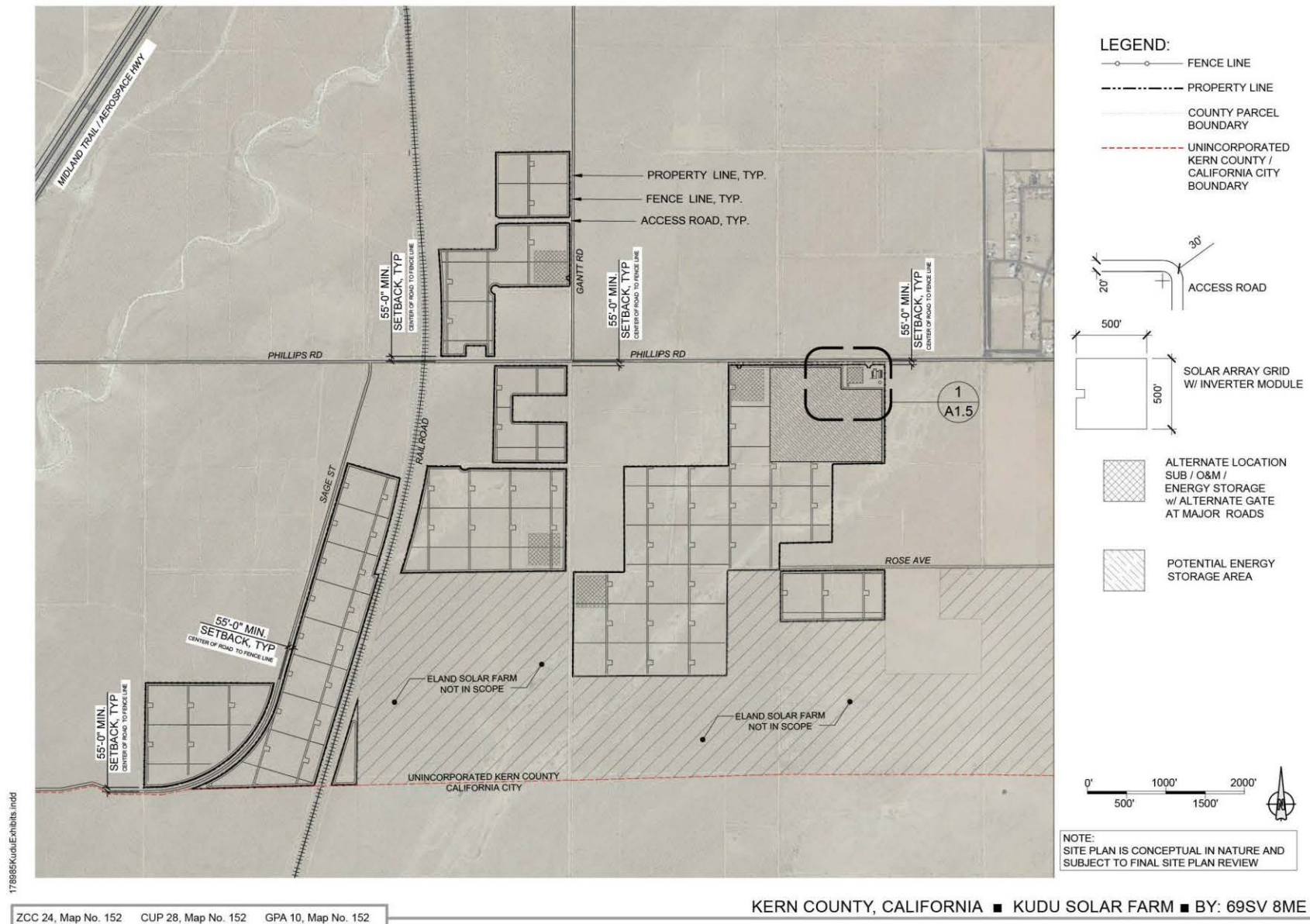


FIGURE 4B  
PLAN VIEW – SITE 1



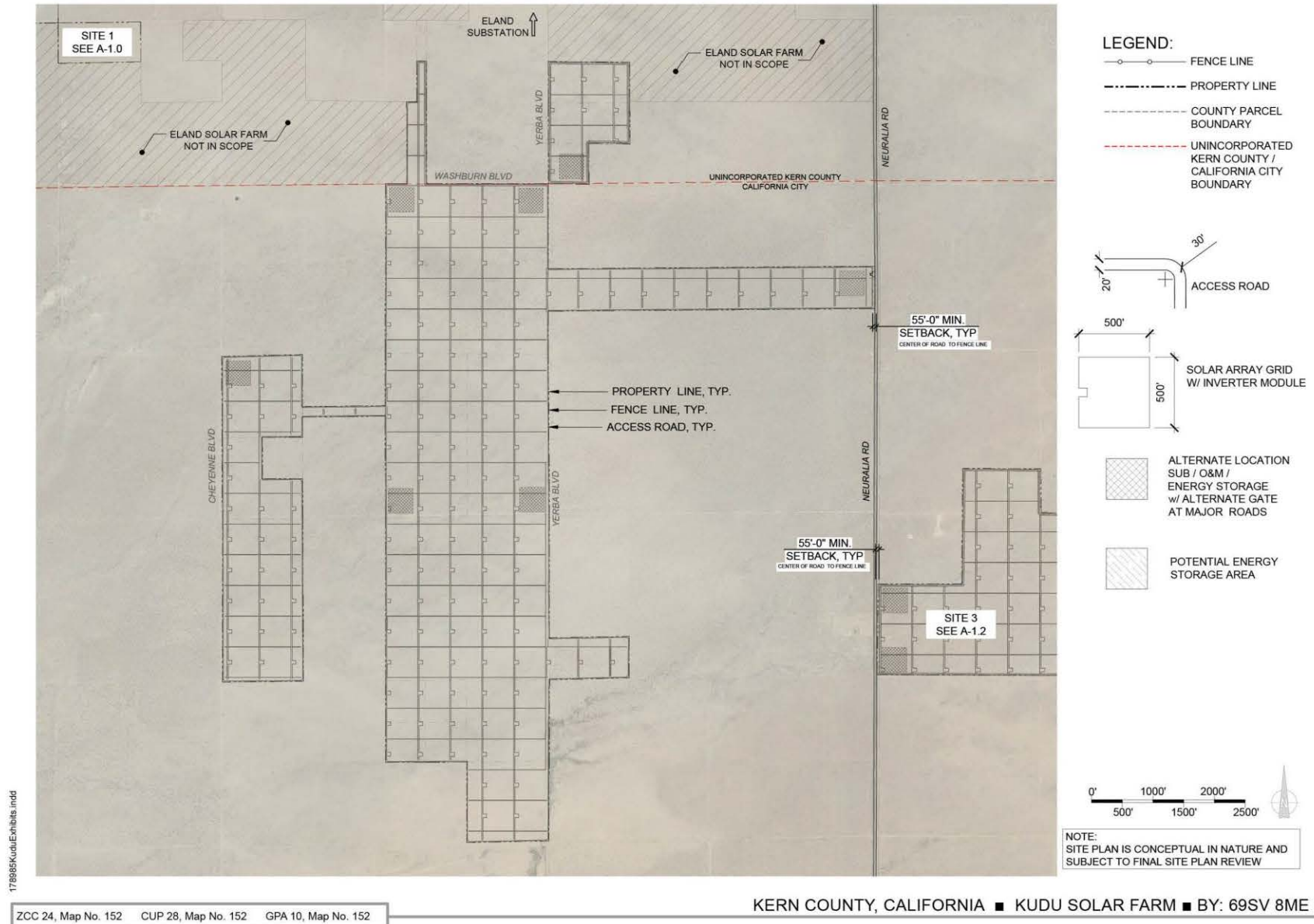


FIGURE 4C  
PLAN VIEW – SITE 2



FIGURE 4D  
PLAN VIEW – SITE 3



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ZCC 24, Map No. 152 CUP 28, Map No. 152 GPA 10, Map No. 152

KERN COUNTY, CALIFORNIA ■ KUDU SOLAR FARM ■ BY: 69SV 8ME LLC

FIGURE 4E  
PLAN VIEW – SITE 4



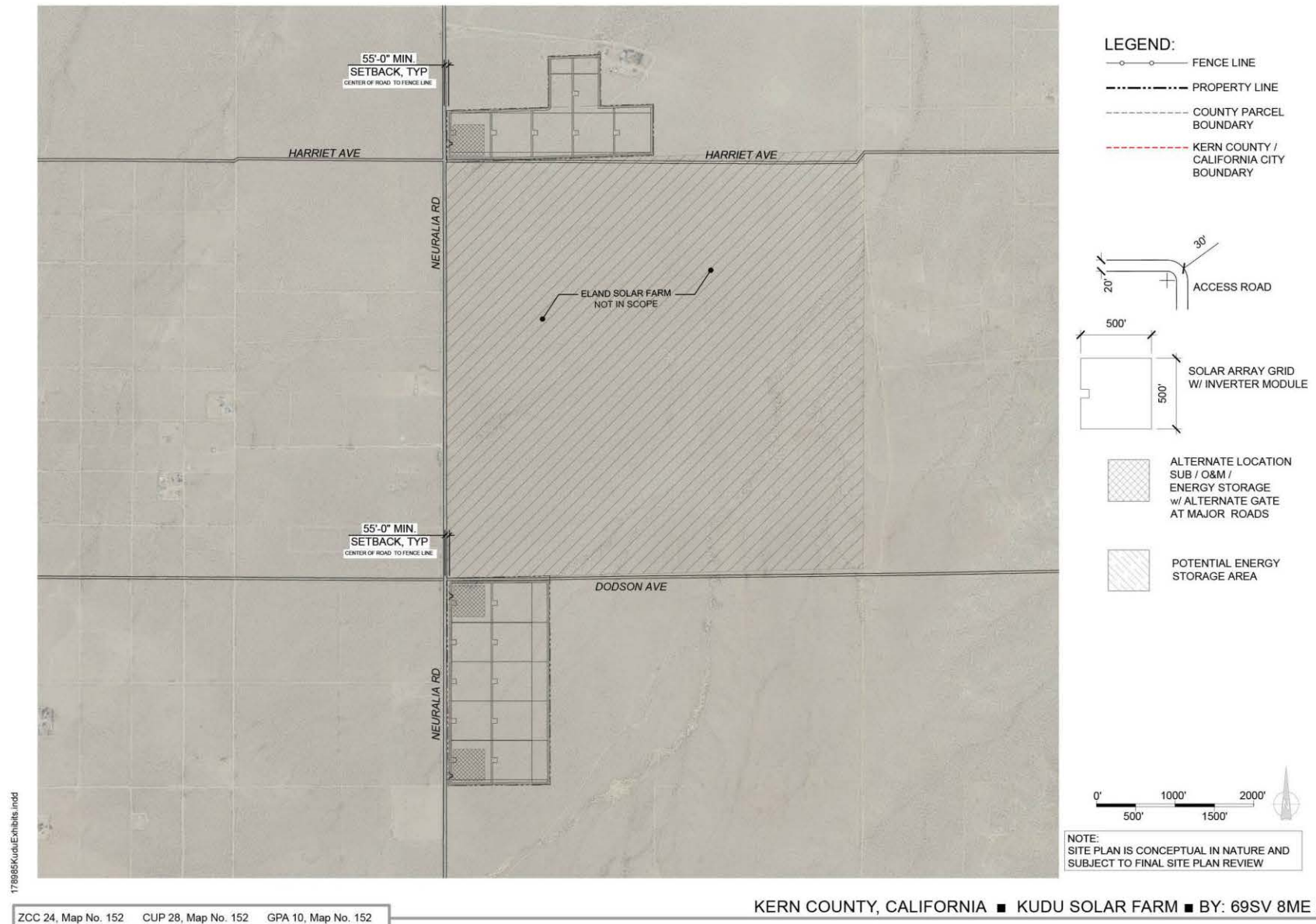
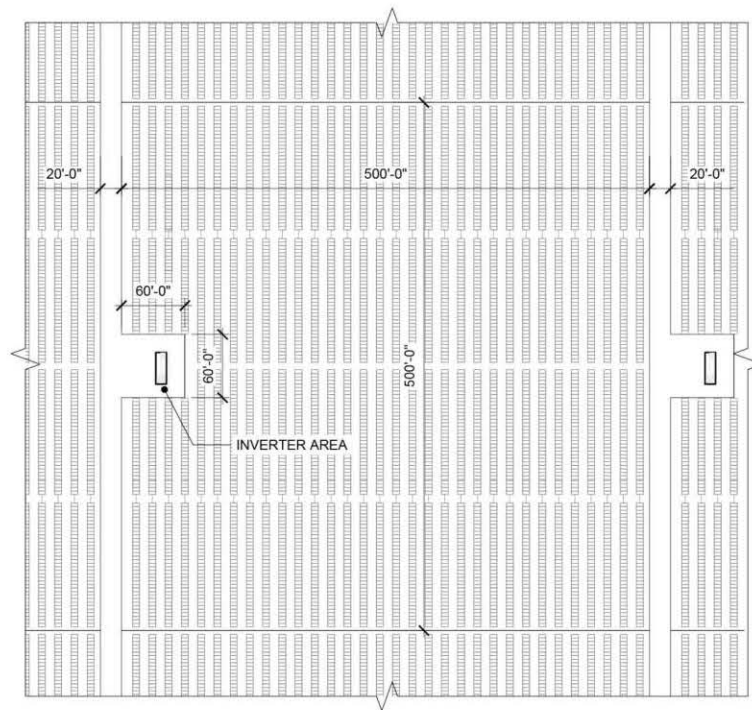
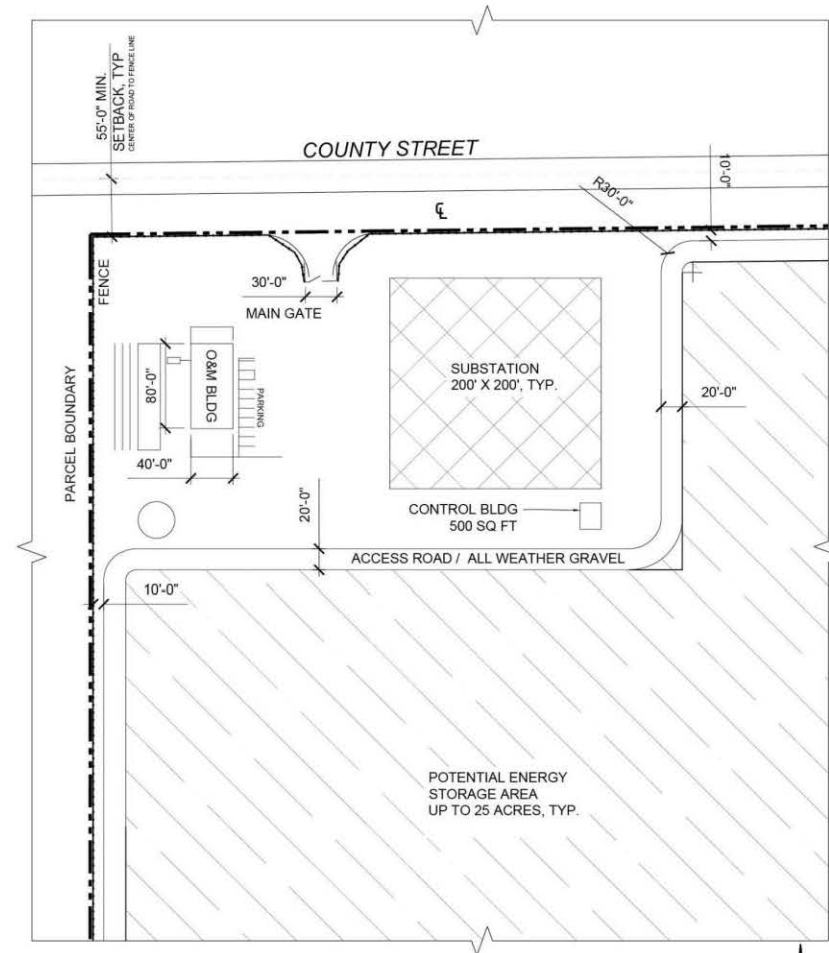


FIGURE 4F  
PLAN VIEW – SITE 5



2 SOLAR BLOCK LAYOUT, TYP.



1 KUDU SOLAR FARM - TYPICAL O&M AREA

0' 40' 80'  
20' 60' 100'

NOTE:  
SITE PLAN IS CONCEPTUAL IN NATURE AND  
SUBJECT TO FINAL SITE PLAN REVIEW

KERN COUNTY, CALIFORNIA ■ KUDU SOLAR FARM ■ BY: 69SV 8ME LLC

FIGURE 4G  
TYPICAL SOLAR ARRAY AND O&M AREAS

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ZCC 24, Map No. 152 CUP 28, Map No. 152 GPA 10, Map No. 152



## 1.2. Environmental Setting

The project site is located within the Fremont Valley, southwest of Koehn Dry Lake in the western portion of the Mojave Desert. The project site is transected by the east-west traversing Washburn Road and the Southern Pacific Railroad on its western boundary. The project site is adjacent to the approved Eland Solar Farm, south of the existing Springbok 1 and 2 Solar Farms, and southeast of the Los Angeles Department of Water and Power Beacon solar facility (refer to **Figure 1**, *Regional Vicinity Map*, and **Figure 5**, *Aerial Photograph*).

The Fremont Rural Community is located east of Site 1, north of Site 2, and west of Site 4 and consists predominantly of rural residential dwellings. A few miles north of the project site is the Honda Proving Ground, which is a 3,840-acre testing site for Honda and Acura new automobile and powersports products. To the west is State Route 14 and the Cinco Solar Farm and the Sierra Nevada Mountains farther to the west. To the south is the City of California City's airport and the developed portions of California City. To the east is the Eland Solar Farm, and at its closest point, Site 5 is located approximately one-mile west of the Desert Tortoise Research Natural Area (DTRNA).

Approximate elevations within the project site range from 2,174 feet above mean sea level (amsl) at the northeastern portion of the site, to roughly 2,460 feet amsl at the southeast portion of the project site. The project site is relatively flat and features numerous ephemeral desert drainages trending to the northeast, which ultimately drain into Koehn Dry Lake located to the northeast of the project site.

Landforms in the Fremont Valley include granite-derived alluvial fans and plains, low hills, washes, and an alkaline basin. The entire area drains in a northeasterly direction to Koehn Lake. Native vegetation onsite is typical of that found throughout the Mojave Desert, dominated by creosote bush and white bursage on slopes and plains and saltbush scrub in the alkaline basin. Many of the project parcels have been previously disturbed and/or cultivated. Currently, these areas include fallow agricultural fields and cleared parcels that were never put into agricultural production. Much of this fallowed land is still barren of native shrub cover and has been colonized by rubber rabbitbrush.

The Federal Emergency Management Agency (FEMA) delineates flood hazard areas on its Flood Insurance Rate Maps (FIRMs). Based on a review of the FIRMs for the project area, portions of the solar facility's Sites 2 and 3 and gen-tie line are mapped in 100-year (Zone A) floodplains. Zone A is defined as areas subject to inundation by the 1-percent-annual-chance flood event, generally determined using approximate methodologies. The rest of the project site is mapped as Zone X, which is defined as areas of minimal flood hazard that are outside of the Special Flood Hazard Area and beyond the limits of the 0.2-percent-annual-chance (500-year) flood (refer to **Figure 6**, *FEMA Map*).

The project site is not designated by the California Department of Conservation (DOC) as Prime Farmland, Farmland of Statewide Importance, or Unique Farmland. Sites 1 through 5 are undeveloped with natural vegetation. There are no active agricultural lands or lands designated as important farmland located adjacent to or in the vicinity of the project site. Additionally, no lands affected by the project are subject to a Williamson Act Land Use contract, nor are they located within a Kern County Agricultural Preserve.

The project site is not within a mineral recovery area or within a designated mineral and petroleum resource site designated by the Kern County General Plan, nor is it identified as a mineral resource zone by the Department of Conservation's California Geologic Energy Management Division (CalGEM). The project site is not located within the County's NR (Natural Resources) or PE (Petroleum Extraction) Zone Districts.



The Kern County Fire Department and California City Fire Department would provide fire suppression and emergency medical services to the project area. The portion of the project site within unincorporated Kern County would be served by Station #14, located at 1773-1999 Mojave-Barstow Highway in the unincorporated community of Mojave. The portion of the project site within California City would be served by Station #85, located at 20890 Hacienda Boulevard in California City.

Law enforcement services in the project area are provided by the Kern County Sheriff's Department and California City Police Department. The portion of the project site within unincorporated Kern County would be served by the Mojave Substation, located at 1771 Highway 58 in Mojave. The portion of the project site within California City would be served by the police station located at 21130 Hacienda Boulevard in California City.

As shown on **Figure 7, Existing General Plan Designations – Kern County**, the southern portion of the project site is located within an area covered by the Kern County Airport Land Use Compatibility Plan (ALUCP) for the California City Municipal Airport. Site 2 of the project site is located immediately north of the California City Municipal Airport. Specifically, the southernmost portion of Site 2 is in “Compatibility Zone B1 – Approach/Departure Zone and Adjacent to Runway” (APN No. 302-020-08) and “Compatibility Zone C – Common Traffic Pattern.” (APN No. 302-020-08, -09, -11, -14, -15, -16, -17, -18, and 302-470-14). Zone B1 is subject to substantial risk and substantial noise, and Compatibility Zone C is subject to limited risk and frequent noise intrusion.

As shown on **Figure 2, Project Site Boundaries**, Washburn Boulevard delineates the northern limits of the City of California City. The portion of the project site located north of Washburn Boulevard is within unincorporated territory and is governed by the Kern County General Plan. As shown on **Figure 7, Existing General Plan Designations – Kern County**, below, the project parcels located in unincorporated Kern County are designated by the Kern County General Plan as Map Code 8.5 (Resource Management, Min. 20 Acre Parcel Size) and by the Fremont Interim Rural Community Plan as Map Code 5.6 (Min. 2.5 Gross Acres/Unit). As Interim Rural Community Plans, including the Fremont Interim Rural Community Plan, are not official planning documents until formal Specific Plans have been adopted, projects within Interim Rural Community Plans are governed by the goals and policies of the Kern County General Plan that pertain to the area in question. As shown on **Figure 8A, Existing Zoning – Kern County**, below, the project parcels located in unincorporated Kern County have a zone classification of A (Exclusive Agriculture); A-1 (Limited Agriculture); A-1 MH (Limited Agriculture, Mobile Home Combining); PL RS (Platted Lands, Residential Suburban Combining); and, PL RS MH (Platted Lands, Residential Suburban Combining, Mobile Home Combining).

The portion of the project site located south of Washburn Boulevard is within the California City General Plan area. As shown on **Figure 10, Existing General Plan Designations – California City**, below, the project parcels in California City are designated by the General Plan as O/RA (Controlled Development, Public Parks & Recreation or Public Schools). As shown on **Figure 11, Existing Zoning – California City**, below, all of the project parcels in California City have a zone classification of RA (Residential/Agriculture).



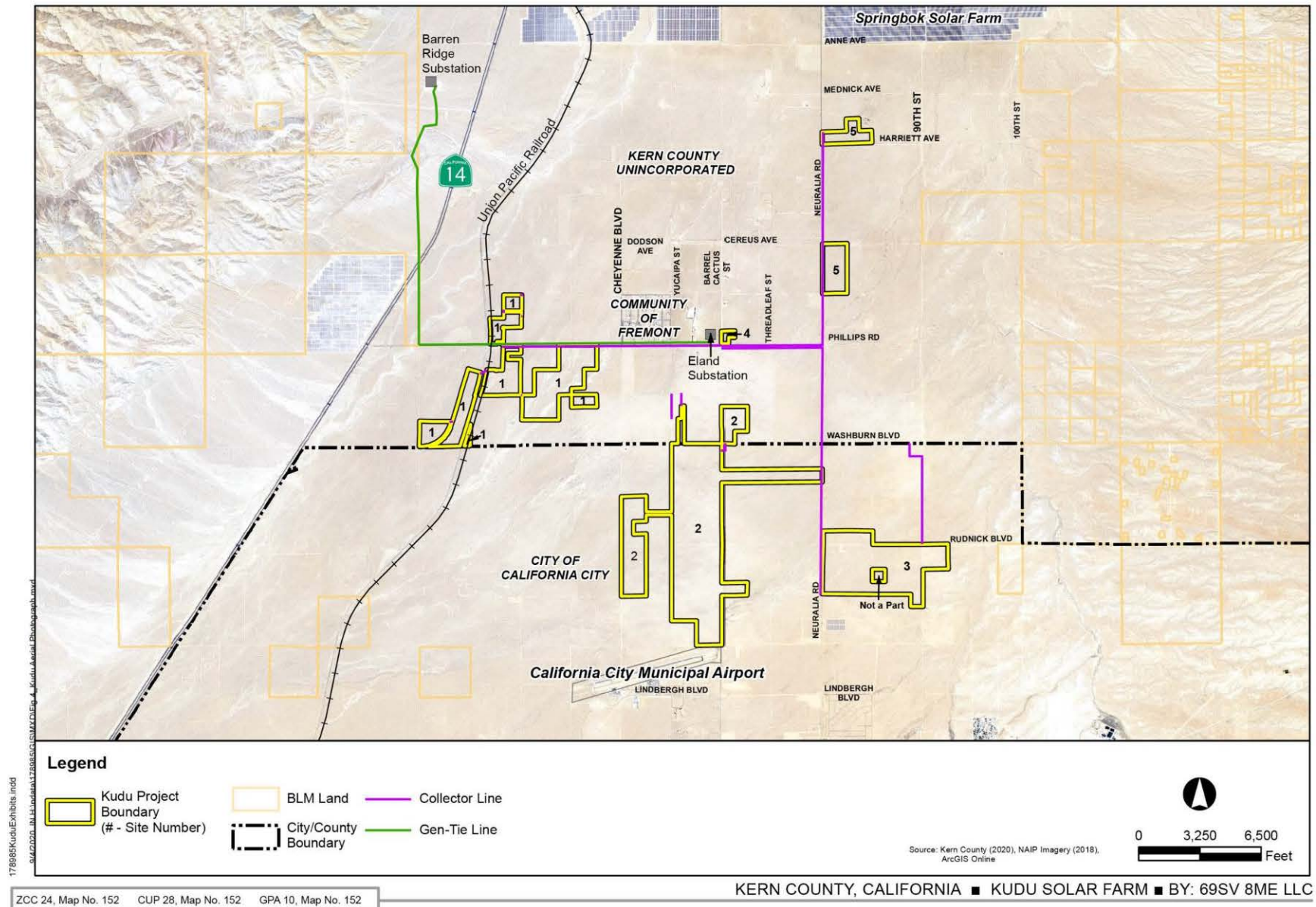


FIGURE 5  
AERIAL PHOTOGRAPH







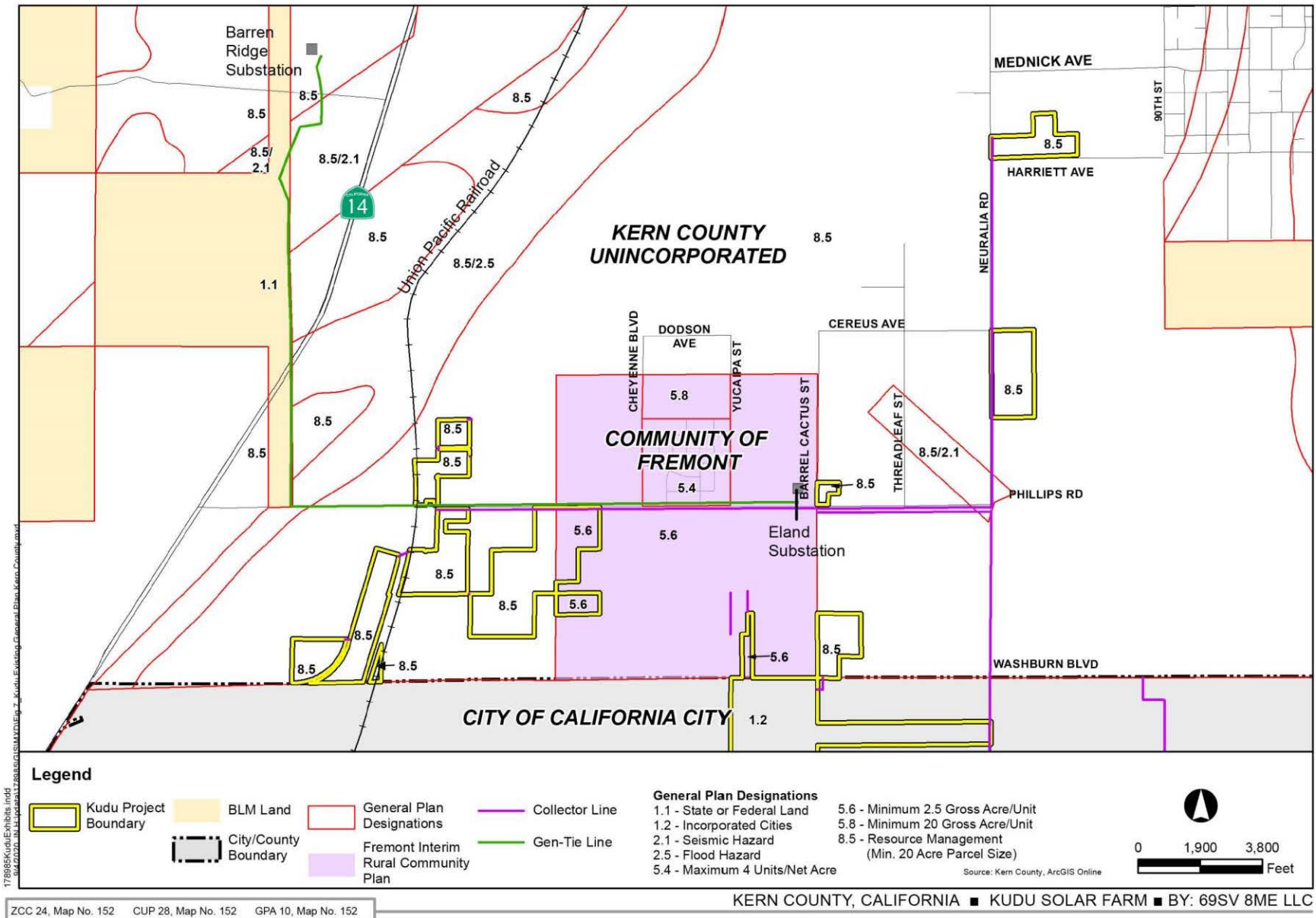


FIGURE 7  
EXISTING GENERAL PLAN DESIGNATIONS – KERN COUNTY

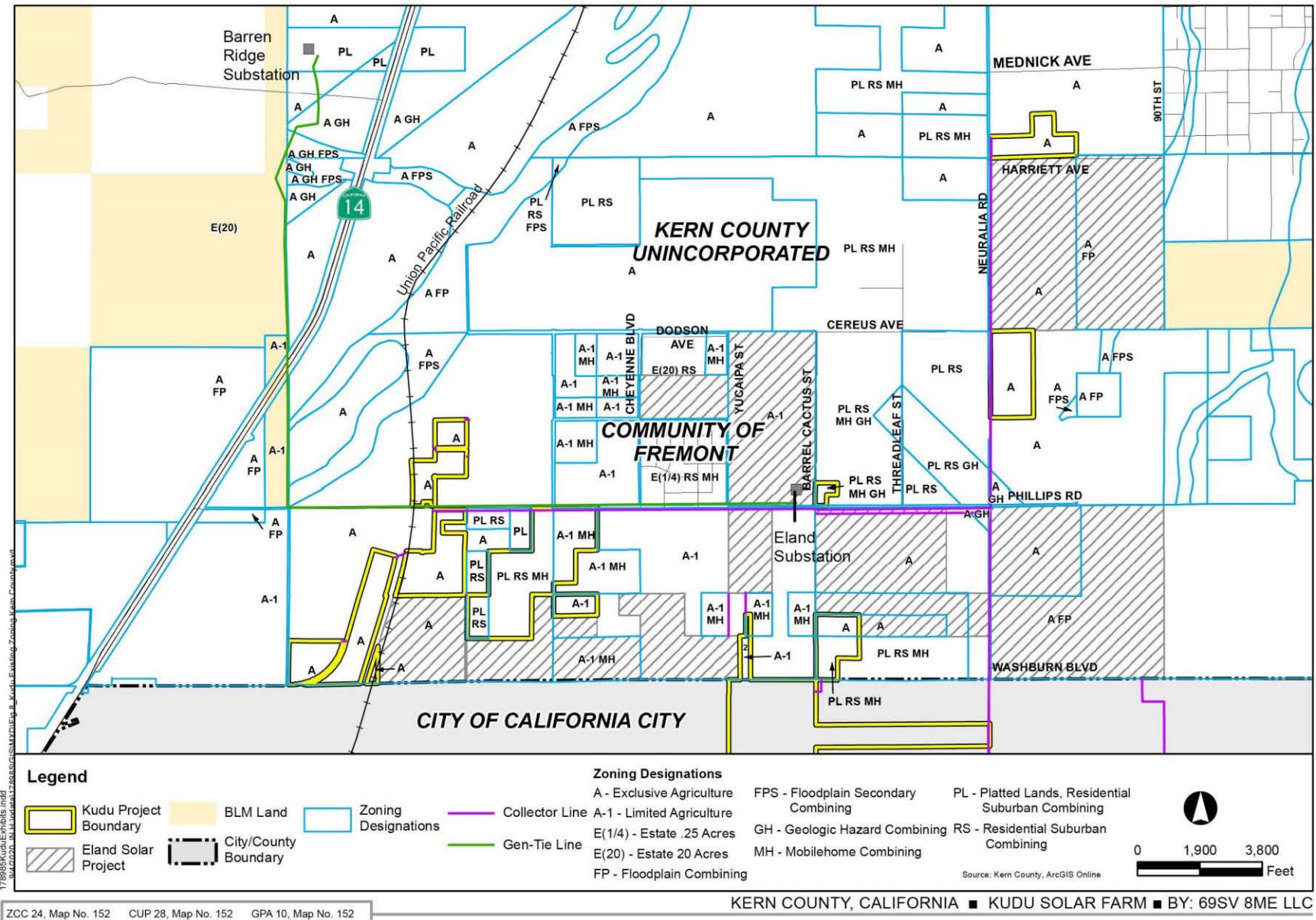


FIGURE 8A  
EXISTING ZONING – KERN COUNTY



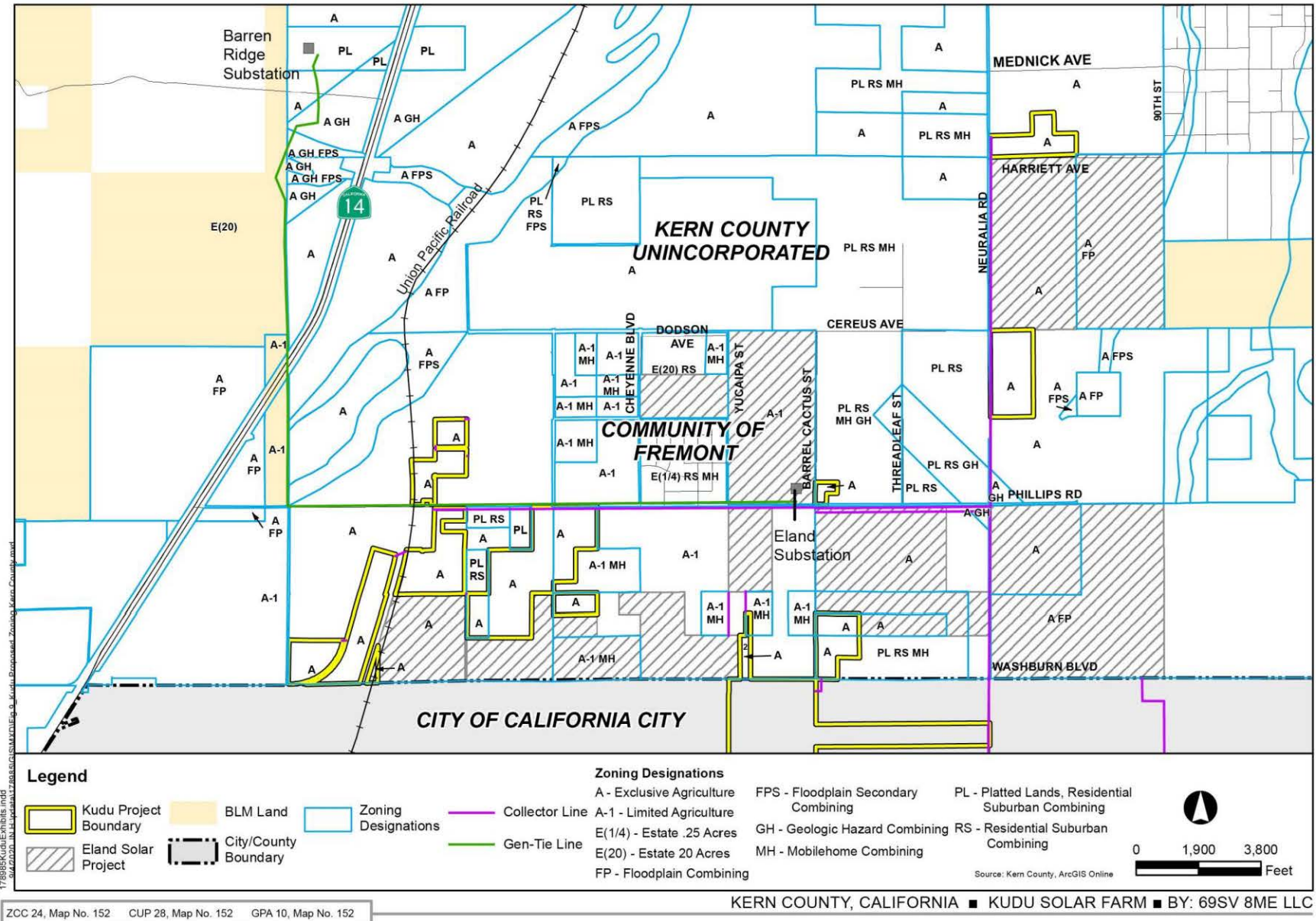


FIGURE 8B  
PROPOSED ZONING – KERN COUNTY

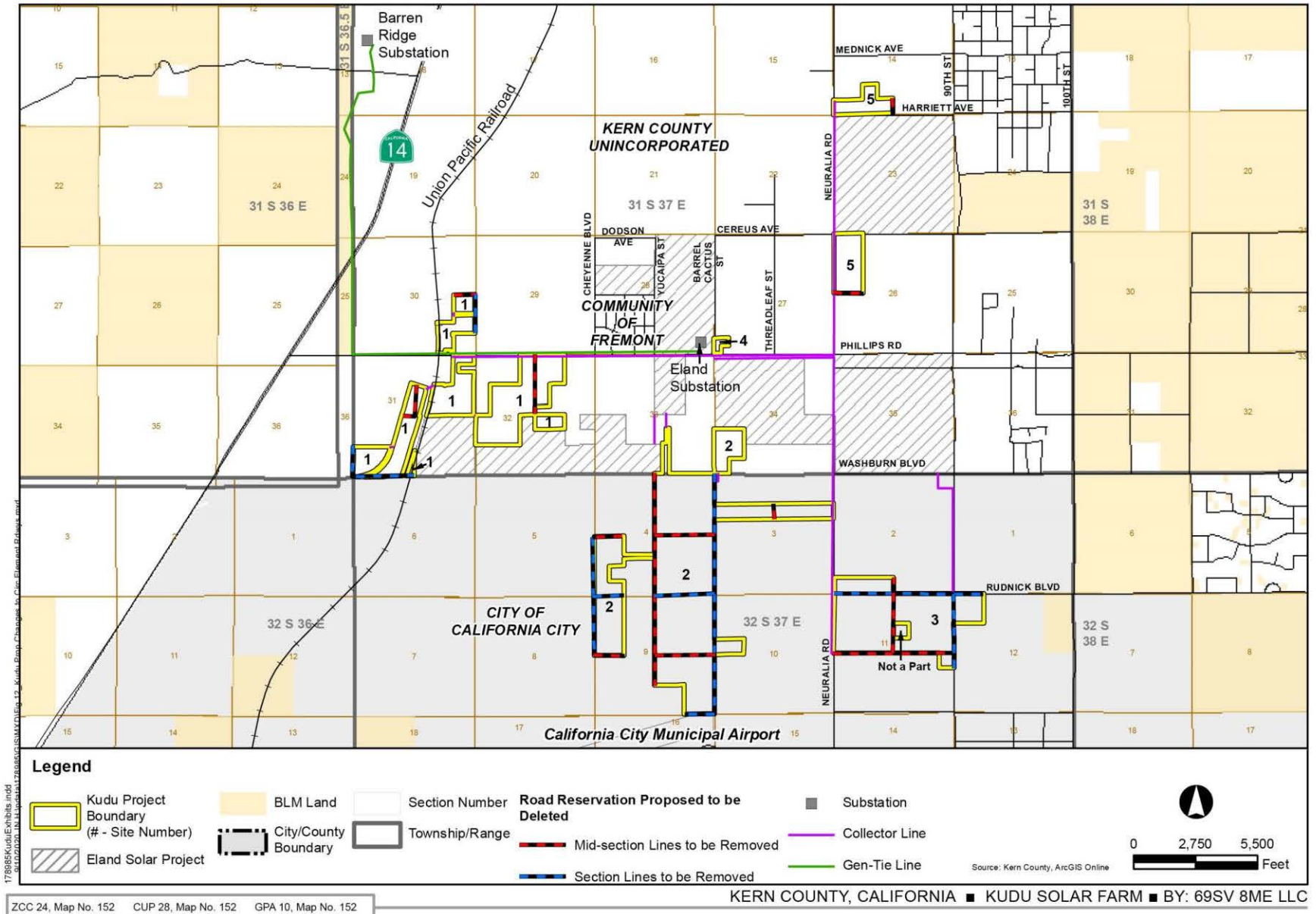


FIGURE 9  
FUTURE ROAD RESERVATIONS TO BE DELETED

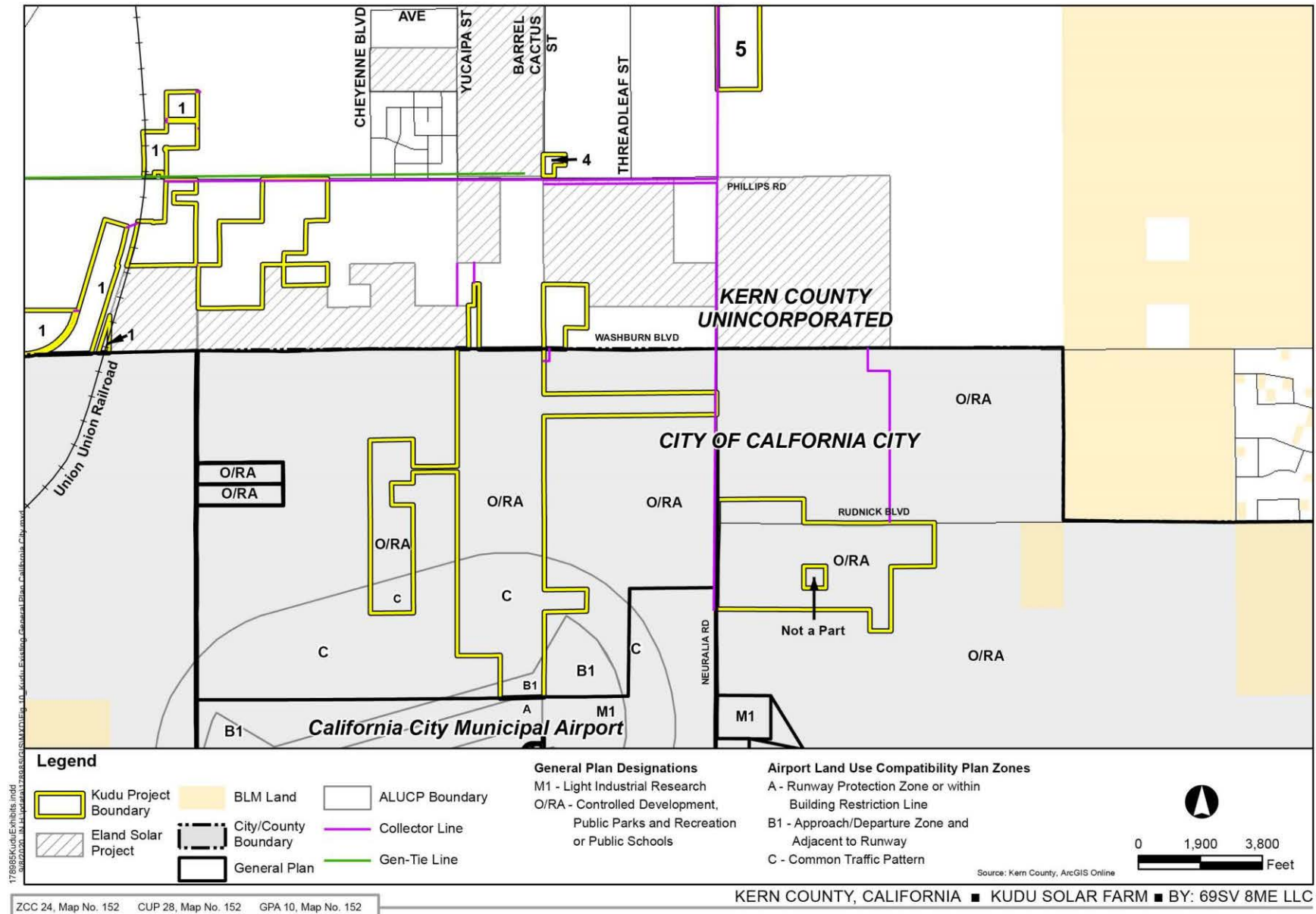


FIGURE 10  
EXISTING GENERAL PLAN DESIGNATIONS – CALIFORNIA CITY



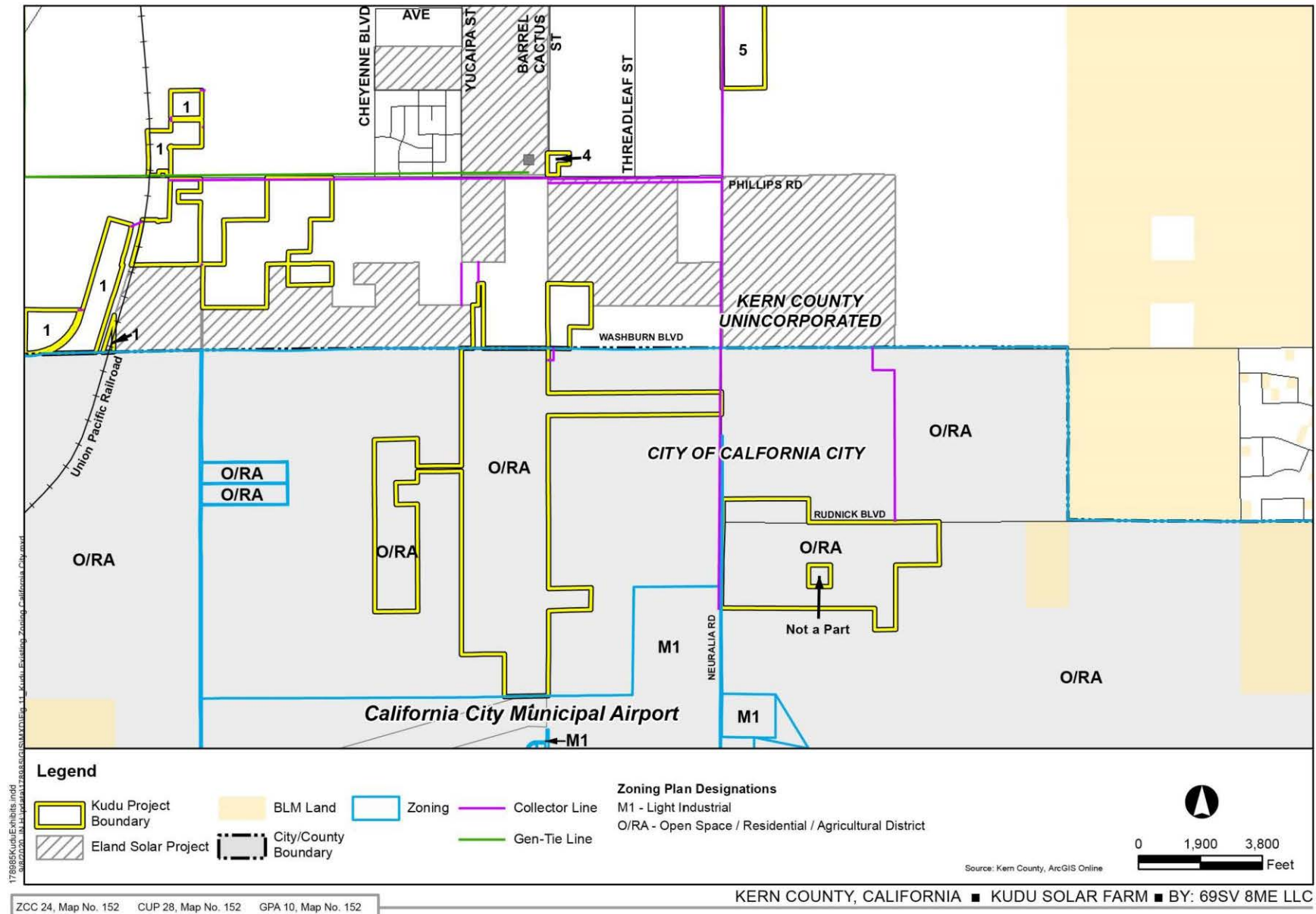


FIGURE 11  
EXISTING ZONING – CALIFORNIA CITY





## Surrounding Land Uses

Existing land uses in the surrounding area are primarily undeveloped. **Table 2, Existing On- and Off-site Land Use, General Plan Map Code Designations, and Zoning**, identifies the project site and surrounding land uses. The Fremont Rural Community is located east of Site 1, north of Site 2, and west of Site 4 and consists predominantly of rural residential dwellings. The northernmost project parcel (APN No. 469-170-10), located near the intersection of Neuralia Road and Harriet Avenue, is located immediately adjacent to a rural residential dwelling. The project site is adjacent to the approved constructed Eland Solar Farm, south of the existing Springbok 1 and 2 Solar Farms and southeast of the Los Angeles Department of Water and Power Beacon solar facility.

**TABLE 2. EXISTING ON- AND OFF-SITE LAND USE,  
GENERAL AND INTERIM PLAN MAP CODE DESIGNATIONS, AND ZONING**

| Location            | Existing Land Use                               | Map Code Designations   | Existing Zoning  |
|---------------------|---|---|--|
| <b>Kern County</b>  |   |   |  |
| <b>Project Site</b> | Undeveloped                                     | 5.6 - Min. 2.5 Gross Acres/Unit (Fremont Interim Rural Community Plan)<br>8.5 - Resource Management, Min. 20 Acre Parcel Size (Kern County General Plan)  | A (Exclusive Agriculture);<br>A-1 (Limited Agriculture);<br>A-1 MH (Limited Agriculture, Mobile Home Combining);<br>PL RS (Platted Lands, Residential Suburban Combining);<br>PL RS MH (Platted Lands, Residential Suburban Combining, Mobile Home Combining)                          |
| <b>North</b>        | Undeveloped, sparse rural residential dwellings | 5.4 - Min. 4 Units/Net Acre (Fremont Interim Rural Community Plan)<br>5.6 - Min. 2.5 Gross Acres/Unit (Fremont Interim Rural Community Plan)<br>5.8 - Min. 20 Gross Acres/Unit (Fremont Interim Rural Community Plan)<br>8.5 - Resource Management, Min. 20 Acre Parcel Size (Kern County General Plan)<br>8.5/2.1 - Resource Management, Min. 20 Acre Parcel Size/Seismic Hazard (Kern County General Plan)<br>8.5/2.5 - Resource Management, Min. 20 Acre Parcel Size/Flood Hazard (Kern County General Plan) | A (Exclusive Agriculture);<br>FPS (Floodplain Secondary Combining);<br>A-1 (Limited Agriculture);<br>PL RS (Platted Lands, Residential Suburban Combining);<br>FP (Floodplain Combining);<br>MH (Mobile Home Combining);<br>E(20) (Estate 20 Acres);<br>GH (Geologic Hazard Combining) |



**TABLE 2, CONTINUED**

| Location               | Existing Land Use  | Map Code Designations  | Existing Zoning   |
|------------------------|--|--|---|
| <b>East</b>            | Undeveloped, sparse rural residential dwellings, BLM-Administered Land     | 8.5 - Resource Management, Min. 20 Acre Parcel Size (Kern County General Plan)   | A (Exclusive Agriculture); FP (Floodplain Combining); FPS (Floodplain Secondary Combining); PL RS (Platted Lands, Residential Suburban Combining); MH (Mobile Home Combining); GH (Geologic Hazard Combining) |
| <b>South</b>           | Undeveloped, California City Airport                                       | 1.2 - Incorporated Cities (Kern County General Plan)   | California City   |
| <b>West</b>            | Undeveloped, State Route 14, BLM-Administered Land; Union Pacific Railroad | 1.1 – State and Federal Land (Kern County General Plan)<br>1.2 - Incorporated Cities (Kern County General Plan)<br>8.5 - Resource Management, Min. 20 Acre Parcel Size (Kern County General Plan)<br>8.5/2.5 - Resource Management, Min. 20 Acre Parcel Size/Flood Hazard (Kern County General Plan) | A (Exclusive Agriculture); FP (Floodplain Combining); FPS (Floodplain Secondary Combining); A-1 (Limited Agriculture); E(20) (Estate 20 Acres); PL (Platted Lands); GH (Geologic Hazard Combining)            |
| <b>California City</b> |  |  |   |
| <b>Project Site</b>    | Undeveloped  | O/RA - Controlled Development, Public Parks & Recreation or Public Schools (California City General Plan)  | O/RA (Open Space/Residential/Agricultural)  |
| <b>North</b>           | Undeveloped, sparse rural residential dwellings                            | O/RA - Controlled Development, Public Parks & Recreation or Public Schools (California City General Plan)  | O/RA (Open Space/Residential/Agricultural); Kern County   |
| <b>East</b>            | Undeveloped, BLM-Administered Land   | O/RA - Controlled Development, Public Parks & Recreation or Public Schools (California City General Plan)  | O/RA (Open Space/Residential/Agricultural)  |
| <b>South</b>           | Undeveloped, California City Airport, scattered Industrial Development     | O/RA - Controlled Development, Public Parks & Recreation or Public Schools (California City General Plan)<br>M1 - Light Industrial and Research (California City General Plan)   | O/RA (Open Space/Residential/Agricultural)<br>M1 - Light Industrial   |
| <b>West</b>            | Undeveloped State Route 14, BLM-Administered Land                          | O/RA - Controlled Development, Public Parks & Recreation or Public Schools (California City General Plan)  | O/RA (Open Space/Residential/Agricultural)  |



## 1.3. Project Description

### Project Overview

The Kudu Solar Farm Project by 69SV 8ME LLC (project proponent), is a proposed photovoltaic solar facility and energy storage system capable of producing up to 500 MW of alternating current power and 600 MW hours of storage capacity on approximately 1,955.13 acres of privately owned land. The proposed project would be supported by a 230-kV gen-tie overhead and/or underground generation tie-line (gen-tie) from originating from the Eland substation and terminating at the Los Angeles Department of Water and Power's Barren Ridge Substation located approximately two miles to the northwest of the project site, or through an upgraded connection through Eland 1. The proposed project intends to share the Eland 1 Solar Project's gen-tie line and ROW, which will be accomplished by constructing the line conductor capable of supporting both projects. Construction of the gen-tie and substation will be done as part of the Eland 1 Solar Project, consistent with the conditions of approval outlined in that project's CUP(s). If the proposed project cannot share these facilities, a new gen-tie line would be developed within one of the routes previously analyzed in the Eland 1 Solar Supplemental Environmental Impact Report (State Clearinghouse No. 2012011029). The proposed project's permanent facilities would include solar arrays and inverters, service roads, a power collection system, communication cables, overhead and underground electrical switchyards, project substations, energy storage system(s), and operations and maintenance (O&M) facilities.

Implementation of the project as proposed includes the following requests. Refer to **Figure 7, Existing General Plan Designations – Kern County**; **Figure 8A, Existing Zoning – Kern County**; **Figure 8B, Proposed Zoning – Kern County**; **Figure 9, Future Road Reservations To Be Deleted**, **Figure 10, Existing General Plan Designations – California City**, and **Figure 11, Existing Zoning – California City**.

- Kern County
  - Zone Change Case No. 14, Map No. 152 as follows:
    - From A-1 (Limited Agriculture) to A (Exclusive Agriculture) for approximately 164.76 acres;
    - From A-1 MH (Limited Agriculture, Mobile Home Combining) to A for approximately 2.39 acres;
    - From PL RS (Platted Lands, Residential Suburban Combining) to A for approximately 10.29 acres; and
    - From PL RS MH (Platted Lands, Residential Suburban Combining, Mobile Home Combining) to A for approximately 7.73 acres.
  - Issuance of Conditional Use Permit No. 28, Map No. 152 to allow for the construction and operation , within the A (Exclusive Agriculture) pursuant to Section 19.12.030G of the Kern County Zoning Ordinance, of a 673.60-acre PV solar facility with a total project generating capacity, in both Kern County and California City, of up to 500 MW of alternating current power and 600 MW hours of storage capacity within the A (Exclusive Agriculture) pursuant to Section 19.12.030G of the Kern County Zoning Ordinance.



- General Plan Amendment No. 10, Map No. 152 to the Circulation Element of the Kern County General Plan to remove road reservations on section and mid-section lines within the Kern County project boundaries.
- City of California City (Responsible Agency)

The City of California City is a Responsible Agency under CEQA. For the parcels within California City city limits, the City will require that the applicant complete a Conditional Use Project (CUP) from the City to allow for the construction and operation of a solar facility, in the O/RA (Openspace/Residential Agricultural) zone (CUP 19-04), of a 1,281.53-acre PV solar facility with a total project generating capacity, in both Kern County and California City, of up to 500 MW of alternating current power and 600 MW hours of storage capacity (CUP 19-04). At present, solar facilities are considered to be a permitted use only in industrial zoned areas in California City. The City is in the process of updating its zoning code to designate solar facilities as a compatible/permitted use in O/RA zoned districts. If deemed necessary by the City of California City, the project proponent may request a zone change from O/RA to M-1 (Light Industrial) for the portion of the facility located in California City. The project proponent has requested to remove the future section and mid-section lines for the portion of the project within the City of California City's jurisdiction. The City will determine during the CUP process (Sec. 9-2-2501 of the California City Municipal Code) what section lines will be required to be preserved and what ones will be removed.

As shown on **Figure 8B, Proposed Zoning – Kern County**, the project proponent has requested a change in zone classifications from A-1, A-1 MH, PL RS, and PL RS MH to A for 17 parcels, totaling approximately 185.17 acres. of the proposed project within Kern County. According to Kern County Zoning Ordinance 19.12.030G, solar energy electrical facilities are permitted within the A Zone District with the approval of a CUP.

The power generated on the project site would assist the State in complying with the Renewables Portfolio Standard under Senate Bill 350, which requires that by December 31, 2030, 50 percent of all electricity sold in California shall be generated from renewable energy sources. The power generated on the project site would be sold to California investor-owned utilities, municipalities, community choice aggregators, or other purchasers in furtherance of the goals of the California Renewable Energy Portfolio Standard. The proposed project has an anticipated operational life of up to 35 years. At the end of the proposed project's operational term, the project proponent would determine whether the project site should be decommissioned and deconstructed or if it would seek an extension of its CUP. If any portion of the project site is decommissioned, it would be converted to other uses in accordance with the applicable land use regulations in effect at that time.



## 1.4. Project Facilities, Construction, and Operations

### Project Facilities

The combined project facilities would include the following main components, which are described in greater detail thereafter:

- PV Module Configuration
- Inverter Stations
- Energy Storage System
- Onsite Meteorological Station
- Operations and Maintenance Building
- Substation(s)
- Transmission Line
- Water Storage Tank(s)
- Project Site Security and Fencing
- Project Site Lighting

#### *Solar PV Module Configuration*

The proposed project would utilize photovoltaic panels or modules (including but not limited to concentrated photovoltaic technology) on mounting frameworks to convert sunlight directly into electricity. Individual panels would be installed on either fixed-tilt or tracker mount systems (single- or dual-axis, using galvanized steel or aluminum). If the panels are configured for fixed-tilt, the panels would be oriented toward the south. For tracking configurations, the panels would rotate to follow the sun over the course of the day. Although the panels could stand up to 20 feet high, depending on the mounting system used and on County building codes, panels are expected to remain between 6 and 8 feet high. The foundations for the mounting structures can extend up to 10 feet below ground, depending on the structure, soil conditions, and wind loads, and may be encased in concrete or utilize small concrete footings. Final solar panel layout and spacing would be optimized for project area characteristics and the desired energy production profile.

The solar array fields would be arranged in groups called “blocks” with inverter stations generally located centrally within the blocks. Blocks would produce direct electrical current (DC), which is converted to alternating electrical current (AC) at the inverter stations. DC current produced at the blocks would be transmitted to the inverters via electrical cables/conductors. Internal access road would be provided (within each block) to facilitate maintenance work.

#### *Collection, Inverter, and Transformer Systems*

Photovoltaic energy is delivered via cable to inverter stations, generally located near the center of each block of solar panels. Inverter stations are typically comprised of one or more inverter modules with a rated power of up to 7.5 MW each, a unit transformer, and voltage switch gear. The unit transformer and voltage



switch gear are housed in steel enclosures, while the inverter module(s) are housed in cabinets. Depending on the vendor selected, the inverter station may lie within an enclosed or canopied metal structure, typically on a skid or concrete mounted pad.

### ***Energy Storage System***

The proposed project may include one or more Energy Storage Systems (ESS), located at or near a substation/switchyard (onsite or shared) and/or at the inverter stations, but possibly elsewhere onsite. Such large-scale ESSs would be up to 600 MW-AC in capacity and up to 25 acres in total area. ESS consist of modular and scalable battery packs and battery control systems that conform to U.S. national safety standards.

The ESS modules, which could include commercially available lithium or flow batteries, typically consist of standard International Organization for Standardization containers (approximately 40 feet in length by 8 feet in width by 8 feet in height) housed in pad- or post-mounted, stackable metal structures, but may also be housed in a dedicated building(s) in compliance with applicable regulations. The maximum height of a dedicated structure is not expected to exceed 25 feet. The actual dimensions and number of energy storage modules and structures vary depending on the application, supplier, and configuration chosen, as well as on offtaker/power purchase agreement requirements and on County building standards. The proposed project may share an ESS with one or more nearby solar projects or may operate one or more standalone ESS facilities within the project site.

The ESS would be unmanned, remotely controlled containers and periodically inspected for maintenance purposes. The ESS would have a fire rating in conformance with Kern County and national ESS fire standard NFPA 855 and specialized fire suppression systems would be installed for each of the battery compartments, where required by NFPA 855 and UL9540A standards.

### ***Onsite Meteorological Station***

A solar meteorological station would be located on-site, the location of which would be determined at final project design. The meteorological station would include solar energy (irradiance) meters, in addition to an air temperature sensor and wind anemometer. It is anticipated that the maximum height of this equipment would be up to 20 feet.

### ***Operations and Maintenance (O&M) Building***

The proposed project may include an O&M building of approximately 40 feet by 80 feet in size, up to 15 feet high, with associated, unpaved on-site parking. The O&M building would be steel framed, with metal siding and roof panels. The O&M building may include the following:

- Office
- Repair building/parts storage
- Control room
- Restroom





Septic tank and leach field, roads, driveways, and parking lot entrances would be constructed in accordance with Kern County and California City improvement standards. Parking spaces and walkways would be constructed in accordance with all California Accessibility Regulations.

The proposed project may share O&M facilities with one or more nearby solar projects in the area and/or may be remotely operated. Any unused O&M areas onsite may be covered by solar panels.

### *Substation(s)*

Output from the inverter stations would be transferred via electrical conduits and electrical conductor wires to the Eland Substation. The proposed project and any associated ESS would have their own dedicated substation equipment located either within the Eland Substation footprint, as described in the Eland 1 EIR. Dedicated equipment may incorporate several components, including auxiliary power transformers, distribution cabinets, revenue metering systems, microwave transmission tower, and voltage switch gear. Each substation would occupy an area of approximately five acres, secured separately by a chain-link fence. The final location(s) would be determined before issuance of building permits.

Substations typically include a small control building (roughly 500 square feet) standing approximately 10 feet tall. The building is either prefabricated concrete or steel housing with rooms for the voltage switch gear and the metering equipment, a room for the station supply transformer, and a separate control technology room in which the main computer, the intrusion detection system, and the main distribution equipment are housed. Components of this building (e.g., control technology room and intrusion detection system) may alternatively be located at the O&M building(s).

### *Generation-Transmission Line*

From the proposed project's substation(s), power would be transmitted to the Los Angeles Department of Water and Power's Barren Ridge Substation via a 230-kV overhead and/or underground gen-tie line. The proposed project intends to share the Eland gen-tie line and right of way (ROW), which may require stringing additional line on the Eland transmission structures or increasing the capacity of the Eland gen-tie by reconductoring the line with thicker cable. As needed, the Eland 1 gen-tie will be sized to accommodate the proposed project. If the proposed project cannot share these facilities, a new gen-tie line would be developed within one of the routes previously analyzed in the Eland Solar Project Supplemental Environmental Impact Report (State Clearinghouse No. 2012011029).

### *Site Access*

Construction and operation traffic would access the project site from Phillips Road, Gantt Road, and Neuralia Road, or through the Eland project site. The proposed project would require driveway improvements, to be designed and constructed per County and City code and regulations. Any off-site roadway improvements would be constructed in conformance with Caltrans and/or County and/or City code and regulations, as necessary and applicable.

### *Water Storage Tank(s)*

One or more aboveground water storage tanks with a total capacity of up to 50,000 gallons, may be placed onsite near the O&M building. The storage tank(s) would be constructed of a concrete pad and plastic structure and would have the appropriate fire department connections to be used for fire suppression purposes.



### *Project Site Security and Fencing*

The project site(s) would be enclosed within a chain-link fence, with barbed wire, measuring up to 8 feet in height (from finished grade). An intrusion alarm system comprised of sensor cables integrated into the perimeter fence, intrusion detection cabinets placed approximately every 1,500 feet along the perimeter fence, and an intrusions control unit, located either in the substation control room or at the O&M building, or similar technology, may be installed. Additionally, the proposed project may include additional security measures including, but not limited to, barbed wire, low voltage fencing with warning reflective signage, controlled access points, security alarms, security camera systems, sensor lights, and security guard vehicle patrols to deter trespassing and/or unauthorized activities that could interfere with operation of the proposed project.

Controlled access gates would be maintained at the main entrances to the project site. Project access would be provided to offsite emergency response teams that respond in the event of an “after-hours” emergency. Enclosure gates would be manually operated with a key provided in an identified key box location.

### *Project Site Lighting*

Lighting used onsite would be minimal and is anticipated to be installed at the access gates, substation(s), O&M building(s), and inverters to allow for access and emergency maintenance. Site lighting may include motion sensor lights for security purposes. All project site lighting would be shielded and directed downward to minimize the potential for glare or spillover onto adjacent properties as required by Kern County Ordinance (Chapter 19.81) – Outdoor Lighting – Dark Skies requirements. Lighting used onsite would be of the lowest intensity foot-candle level, in compliance with any applicable regulations, measured at the property line after dark.

## **Construction Activities**

The construction period for the proposed project from site preparation through construction and testing is expected to commence as early as 4<sup>th</sup> quarter 2021 and would last for approximately 12 to 18 months.

Construction of the proposed project would include the following activities:

- Site preparation
- Access and internal circulation roads
- Grading and earthwork
- Concrete foundations
- Structural steel work
- Panel installation
- Electrical/instrumentation work
- Collector line installation
- Stormwater management facilities



- Architecture and landscaping, if required
- Gen-tie line(s)

Construction traffic would access the project site from Philips Road, Gantt Road, and Neuralia Road, or through the Eland project site. It is estimated that up to 1,000 workers per day (during peak construction periods) and an as yet undetermined number of large trucks per day would be required during construction of the proposed project. At this time, it has not been determined whether construction workers would commute individually to one or more parking areas within the project site or whether some form of a shuttle system to transport larger groups of workers to dedicated drop-off areas would be provided. All staging of equipment and personnel would occur within the project footprint.

Construction activities would comply with Kern County and California City noise ordinances. Heavy construction is expected to occur between 6:00 am and 5:00 pm, Monday through Friday. If weekend work is required, construction will occur between 8:00 am and 9:00 pm. Additional hours may be necessary to make up schedule deficiencies or to complete critical construction activities. Low-level noise activities may potentially occur between the hours of 10:00 pm and 7:00 am as long as the noise is below County and City noise standards. Nighttime activities could potentially include, but are not limited to, refueling equipment, staging material for the following day's construction activities, quality assurance/control, and commissioning.

Materials and supplies would be delivered to the project site by truck. Truck deliveries would normally occur during daylight hours; however, there could be offloading and/or transporting to the project site on weekends and during evening hours.

Earthmoving activities are expected to be limited to the construction of the access roads, O&M building(s), substation(s), water storage tank, construction of solar panel foundation supports, ESS, and stormwater protection or storage (detention) facilities. Final grading may include revegetation with low-lying grass or applying earth-binding materials to disturbed areas.

### ***Construction Water Use***

During construction, water would be required for common construction-related purposes, including but not limited to dust suppression, soil compaction, and grading. Total water usage during construction is not expected to exceed 400 acre-feet. Water demand would be the same during normal or dry years. It is anticipated that water would be obtained from new or existing on-site wells. Alternatively, water may be obtained from one or more off-site source(s) and delivered to the project site via truck. If off-site water is used, it would likely be obtained from one of the nearby Springbok projects, the Eland Project, or from a commercial source. Temporary, portable water tanks may be placed on site to store water for construction purposes. If the Applicant determines that off-site water would be used, the Applicant would submit evidence of an agreement to provide sufficient water quantities from the proposed off-site water purveyor(s). Portable restroom facilities would be provided to the workers during construction.

### **Project Operations and Maintenance Activities**

Once the Project is constructed, operations and maintenance would generally be limited to the following:

- Cleaning of PV panels
- Monitoring electricity generation



- Providing site security
- Facility maintenance - replacing or repairing inverters, wiring, PV modules, fences, roads, and gen-tie facilities

The facility would operate seven days a week, 24 hours a day, generating electricity during normal daylight hours when the solar energy is available. Maintenance activities may occur seven days a week, 24 hours a day to ensure PV panel output when solar energy is available.

### ***Work Force***

It is expected that the Project would require an operational staff of approximately 20 full-time employees. Typically, the majority of the staff would work during the day shift (sunrise to sunset) and the remainder during the night shifts and weekend. Each employee shift would consist of approximately 5 persons, stationed at the O&M Building. As noted earlier, it is possible that the Project would share O&M, substation, ESS, and/or transmission facilities with one or more nearby projects (such as Eland 1). In such a scenario, the projects would share personnel, thereby potentially reducing the Project's on-site staff.

### ***Water Usage***

Water demand for panel washing and O&M domestic use (i.e. sinks and lavatories, and facilities maintenance) is not expected to exceed 50 acre-feet per year. It is anticipated that water would be obtained from new or existing on-site wells. Alternatively, water may be obtained from one or more off-site source(s) and delivered to the project site via truck. If off-site water is used, it would likely be obtained from one of the nearby Springbok projects, the Eland Project, or from a commercial source. If the Applicant determines that off-site water would be used, the Applicant would submit evidence of an agreement to provide sufficient water quantities from the proposed off-site water purveyor(s). A small water treatment system, consisting of a small filtration or reverse osmosis system, may be installed adjacent to the O&M Building to provide deionized water for panel washing.

## **Project Features and Best Management Practices**

The following sections describe standard project features and best management practices that would be applied during construction and long-term operation of the project to maintain safety and minimize or avoid environmental impacts.

### ***Waste and Hazardous Materials Management***

The proposed project would have minimal levels of materials on-site that have been defined as hazardous under 40 CFR, Part 261. The following materials are expected to be used during the construction, operation, and long-term maintenance of the proposed project:

- Insulating oil – used for electrical equipment
- Lubricating oil – used for maintenance vehicles
- Various solvents/detergents – equipment cleaning
- Gasoline – used for maintenance vehicles



Hazardous materials and wastes will be managed, used, handled, stored, and transported in accordance with applicable local and State regulations. All hazardous wastes will be maintained at quantities below the threshold requiring a Hazardous Material Management Program (HMMP) (one 55-gallon drum). Though not expected, should any on-site storage of hazardous materials exceed one 55-gallon drum, an HMMP would be prepared and implemented.

### ***Spill Prevention and Containment***

During construction, above ground storage tanks will be used as temporary fueling stations. Temporary tanks will have double containment, less than 55 gallons of hazardous materials would be stored on-site during operations. Spill prevention and containment for construction and operation of the proposed project will adhere to the Environmental Protection Agency's (EPA) guidance on Spill Prevention Control and Countermeasures (SPCC).

### ***Wastewater/Septic System***

During construction, portable toilets and washing stations will be used based on the number of employees onsite. These units will be regularly serviced. During operations, an on-site septic tank and leach field would be used at the O&M building to dispose of sanitary wastewater, designed to meet operation and maintenance guidelines required by local laws, ordinances, regulations, and standards.

### ***Inert Solids***

Inert solid wastes resulting from construction activities may include recyclable items such as paper, cardboard, solid concrete and block, metals, wire, glass, type 1-4 plastics, drywall, wood, and lubricating oils. Non-recyclable items include insulation, other plastics, food waste, vinyl flooring and base, carpeting, paint containers, packing materials, and other construction wastes. A Construction Waste Management Plan will be prepared for review by the County. Consistent with local regulations and the California Green Building Code, the Plan would provide for diversion of a minimum of 50 percent of construction waste from landfills.

Chemical storage tanks (if any) would be designed and installed to meet applicable local and state regulations. Any wastes classified as hazardous such as solvents, degreasing agents, concrete curing compounds, paints, adhesives, chemicals, or chemical containers will be stored (in an approved storage facility/shed/structure) and disposed of as required by local and state regulations. Hazardous wastes exceeding threshold quantities (one 55 gallon drum) are not expected.

### ***Health and Safety***

Safety precautions and emergency systems will be implemented as part of the design and construction of the proposed project to ensure safe and reliable operation. Administrative controls will include classroom and hands-on training in operating and maintenance procedures, general safety items, and a planned maintenance program. These will work with the system design and monitoring features to enhance safety and reliability.

The proposed project will have an Emergency Response Plan (ERP). The ERP will address potential emergencies including chemical releases, fires, and injuries. All employees will be provided with communication devices, cell phones, or walkie-talkies, to provide aid in the event of an emergency.





## *Decommissioning*

Solar equipment typically has a lifespan of over 30 years. The proposed project expects to sell the renewable energy produced by the project under the terms of a long-term Power Purchase Agreement (PPA) with a utility or other power off taker. Upon completion of the PPA term, the project operator may, at its discretion, choose to sell power in the open market, enter into a subsequent PPA or decommission and remove the system and its components. Upon decommissioning, the solar facility could be converted to other uses in accordance with applicable land use regulations in effect at that time.

It is anticipated that, during project decommissioning, project structures that would not be needed for subsequent use would be removed from the project site. Above-ground equipment that may be removed would include module posts and support structures, on-site transmission poles that are not shared with third parties and the overhead collection system within the project site, inverters, substation(s), transformers, electrical wiring, equipment on the inverter pads, and related equipment and concrete pads.

Equipment would be de-energized prior to removal, salvaged (where possible), and shipped off-site to be recycled or disposed of at an appropriately licensed disposal facility. Once the solar modules are removed, the racks would be disassembled, and the structures supporting the racks would be removed. Site infrastructure would be removed, including fences, and concrete pads that may support the inverters, transformers and related equipment. The demolition debris and removed equipment may be cut or dismantled into pieces that can be safely lifted or carried by standard construction equipment. The fencing and gates would be removed, and all materials would be recycled to the extent practical. Project roads would be restored to their pre-construction condition unless they may be used for subsequent land use. The area would be thoroughly cleaned and all debris removed. Materials would be recycled to the extent feasible, with the remainder disposed of in landfills in compliance with all applicable laws.

## **1.5. Project Objectives**

The project objectives are to:

- Construct and operate a solar energy facility capable of producing up to 500 MW of electricity and up to 600 MW of energy storage to assist the State of California in achieving its 50 percent renewable portfolio standard by 2030.
- Provide energy to the electric grid to meet increasing demand for in-state generation.
- Integrate operating facilities with other existing solar projects in the vicinity to maximize economies of scale.
- Assist the County in achieving the goal in the Energy Element of its General Plan to develop large scale solar energy development as a major energy source in the County.
- Site and design the project in an environmentally responsible manner consistent with current Kern County and City of California City guidelines.
- Promote economic development and bring living-wage jobs to the region throughout the life of the proposed project.



- Support California’s efforts to reduce greenhouse gas (GHG) emissions consistent with the timeline established in 2006 under California Assembly Bill 32, the Global Warming Solutions Act of 2006, which requires the California Air Resources Board to reduce statewide emissions of GHGs to at least the 1990 emissions level by 2020. This timeline was updated in 2016 under SB 32, which requires that statewide GHG emissions are reduced to at least 40 percent below the statewide GHG emissions limit by 2030.
- Support California’s aggressive RPS Program consistent with the timeline established by SB 100 (De León, also known as the “California Renewables Portfolio Standard Program: emissions of greenhouse gases”) as approved by the California Legislature and signed by Governor Brown in September 2018, which established a 50 percent RPS goal by December 31, 2026, 60 percent by December 31, 2030, and a goal that 100 percent of electric retail sales to end-use customers be provided by renewable energy and zero-carbon resources by 2045.

## 1.6. Proposed Discretionary Actions/Required Approvals

The anticipated approvals needed for the project include changes in zone classification, adoption of conditional use permits, and general plan amendments to the Circulation Element of the Kern County General Plan. Construction and operation of the proposed solar energy facility may require additional local, State, and federal entitlements; as well as discretionary and ministerial actions and approvals including, but not limited to, those listed below:

### Kern County (Lead Agency)

- Consideration and certification of Final EIR
- Adoption of 15091 Findings of Fact and 15093 Statement of Overriding Considerations
- Adoption of proposed Mitigation Measure Monitoring Program
- Approval by the Kern County Board of Supervisors for proposed changes in zone classification
- Approval by the Kern County Board of Supervisors for proposed conditional use permits for the project site
- Approval by the Kern County Board of Supervisors for proposed General Plan Amendments to the Circulation Element
- Kern County grading and building permits
- Kern County encroachment permits
- Kern County Franchise Agreements
- Kern County public road(s) and easement(s) vacation(s) (if required)
- Kern County Fire Safety Plan

### California City (Responsible Agency)

- Consideration and certification of Final EIR
- Adoption of 15091 Findings of Fact and 15093 Statement of Overriding Considerations



- Adoption of proposed Mitigation Measure Monitoring Program
- Approval by the Planning Commission for proposed changes in zone classification (if required)
- Approval by the Planning Commission for proposed conditional use permits for the project site
- California City grading and building permits
- California City Franchise Agreements
- California City encroachment permit
- California City public road(s) and easement(s) vacation(s) (if required)
- California City Fire Strategic Plan

### Other Responsible Agency Approvals

- U.S. Fish and Wildlife Service Habitat Conservation Plan (if required).
- California Department of Fish and Wildlife (CDFW), Lake and Streambed Alteration Agreement or Incidental Take Permit or Habitat Conservation Plan (if required)
- State Water Resources Control Board, National Pollutant Discharge Elimination System Construction General Permit
- California Department of Transportation Right-of-Way Encroachment Permit, and Permit for Transport of Oversized Loads, if required
- Eastern Kern County Air Pollution Control District, Authority to Construct/Permit to Operate/Fugitive Dust Control Plan

The preceding discretionary actions/approvals are potentially required and do not necessarily represent a comprehensive list of all possible discretionary permits/approvals required. Other additional permits or approvals from responsible agencies may be required for the proposed project.



## 2. Kern County Environmental Checklist Form

### 2.1. Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "potentially significant impact" as indicated by the Kern County Environmental Checklist on the following pages. The Checklist is consistent with California City's checklist.

- |   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> Aesthetics                  | <input checked="" type="checkbox"/> Agricultural and Forestry Resources | <input checked="" type="checkbox"/> Air Quality                        |
| <input checked="" type="checkbox"/> Biological Resources        | <input checked="" type="checkbox"/> Cultural Resources                  | <input checked="" type="checkbox"/> Energy                             |
| <input checked="" type="checkbox"/> Geology and Soils           | <input checked="" type="checkbox"/> Greenhouse Gas Emissions            | <input checked="" type="checkbox"/> Hazards and Hazardous Materials    |
| <input checked="" type="checkbox"/> Hydrology and Water Quality | <input checked="" type="checkbox"/> Land Use and Planning               | <input type="checkbox"/> Mineral Resources                             |
| <input checked="" type="checkbox"/> Noise                       | <input type="checkbox"/> Population and Housing                         | <input checked="" type="checkbox"/> Public Services                    |
| <input type="checkbox"/> Recreation                             | <input checked="" type="checkbox"/> Transportation and Traffic          | <input checked="" type="checkbox"/> Tribal Cultural Resources          |
| <input checked="" type="checkbox"/> Utilities/Service Systems   | <input checked="" type="checkbox"/> Wildfire                            | <input checked="" type="checkbox"/> Mandatory Findings of Significance |

### 2.2. Determination

(To be completed by the Lead Agency)

On the basis of this initial evaluation:

- ☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- ☒ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- ☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (a) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (b) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENT IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- ☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

Ronelle Candia  
Printed Name

9/15/2020

Date

Supervising Planner  
Title



### 3. Evaluation of Environmental Impacts

1. A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “Potentially Significant Impact” entries when the determination is made, an EIR is required.
4. Negative Declaration: “Less than Significant with Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less-than-Significant Impact.” The lead agency must describe the mitigation measure and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section XVII, “Earlier Analyses,” may be cross-referenced).
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration, Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
  - a. Earlier Analysis Used. Identify and state where they are available for review.
  - b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - c. Mitigation Measures. For effects that are “Less than Significant with Mitigation Incorporated,” describe the mitigation measures that were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.





8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
  - a. The significance criteria or threshold, if any, used to evaluate each question; and
  - b. The mitigation measure identified, if any, to reduce the impact to a less than significant level.



|  | Potentially<br>Significant<br>Impact | Less than<br>Significant<br>with<br>Mitigation<br>Incorporated | Less-than<br>Significant<br>Impact  | No<br>Impact             |
|--|--------------------------------------|--|-------------------------------------|--------------------------|
| <b>I. Aesthetics</b>   |                                      |  |                                     |                          |
| Would the project:   |                                      |  |                                     |                          |
| a. Have a substantial adverse effect on a scenic vista?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| c. In nonurbanized areas, substantially degrade the existing visual character or quality of the site and its surroundings? (Public views are those that are experienced from public accessible vantage points) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality? | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| d. Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**RESPONSES:**

- (a) According to the California Department of Transportation (Caltrans) California Scenic Highway Mapping System, SR 14 is considered an eligible scenic highway from its junction with SR 58 to its merge with SR 395. From the western project boundary, the project site is located less than one-mile from SR 14. The aesthetic features of the existing visual environment in the project area are relatively uniform, with broad, dry, flat landscapes. The project is generally surrounded by undeveloped desert land with low scenic qualities. The project is also located adjacent to the approved Eland solar project (not yet constructed), the Cinco Solar project, and the Springbok solar complex. Views of the proposed project would be visible from the residences located in the Fremont rural community. The northernmost project parcel (APN No. 469-170-10), located near the intersection of Neuralia Road and Harriet Avenue, is located immediately adjacent to a rural residential dwelling. Scenic vistas are potentially visible from SR 14 as well as hiking trails in local hills which occasionally provide expansive views of the flatlands below. Since the proposed project is located within these viewsheds, potentially significant impacts to scenic vistas may occur. Therefore, this issue will be evaluated in the EIR.
- (b) As described in (a) above, SR 14 is considered an eligible scenic highway from its junction with SR 58 to its merge with SR 395. From the western project boundary, the project site is located less than one-mile from SR 14. Therefore, the proposed changes in the landscape could result in significant impacts to views from SR 14. Further review is required to determine if there are scenic resources on



site that could be eliminated or substantially altered. This is considered a potentially significant impact and will be evaluated in the EIR.

- (c) Refer to Response (a), above, for a description of the existing landscape character. The proposed project is located in non-urbanized areas of the City of California City and unincorporated Kern County. The aesthetic features of the existing visual environment in the project area are relatively uniform, with broad, dry, flat landscapes. The project is generally surrounded by undeveloped desert land with low scenic qualities. The project is also located adjacent to the approved Eland solar project (not yet constructed), the Cinco Solar project, and the Springbok complex. Placement of PV solar panels and associated structures on the project site would substantially alter the undeveloped, open space character of the area. There is a potential that the proposed project would substantially change views from SR 14 and other public roads located in the surrounding area. Changes in the visual character of the project site may be experienced by persons traveling along nearby roads such as Washburn Boulevard, Philips Road, and Neuralia Road. Views of the proposed project would also be available from the residences located in the Fremont Rural Community. The northernmost project parcel (APN No. 469-170-10), located near the intersection of Neuralia Road and Harriet Avenue, is located immediately adjacent to a rural residential dwelling. Changes to the visual quality and character of the project site are potentially significant; therefore, impacts will be further evaluated in the EIR.
- (d) The project site is generally undeveloped desert land and does not generate a source of light or glare. The Fremont Rural Community is located in the project vicinity and consists predominantly of rural residential dwellings. The existing residences in the project vicinity generate a minimal to moderate amount of light, primarily from building or outdoor lighting. The PV modules are designed to absorb sunlight to maximize electrical output; therefore, they are not expected to create significant reflective surfaces or the potential for glint/glare during the day. The proposed solar facility lighting would be designed to provide the minimum illumination needed to achieve safety and security objectives and would be directed downward and shielded to focus illumination on the desired areas only and minimize light trespass. All lighting at the proposed solar facility would be designed to meet Kern County Zoning Ordinance Chapter 19.81 - Outdoor Lighting - Dark Skies requirements. Additionally, the project would comply with California City's lighting standards. However, further analysis of the potential effects of the project's outdoor lighting fixtures and potential for day or night glare effects from project facilities will be provided in the EIR.



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| <b>II. Agriculture and Forest Resources</b>  |                                      |  |                                    |                                     |
| Would the project:   |                                      |  |                                    |                                     |
| a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |
| b. Conflict with existing zoning for agricultural use or a Williamson Act Contract?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/>            |
| c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))? | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |
| d. Result in the loss of forest land or conversion of forest land to non-forest use?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |
| e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |
| f. Result in the cancellation of an open space contract made pursuant to the California Land Conservation Act of 1965 or Farmland Security Zone Contract for any parcel of 100 or more acres (Section 15205(b)(3) Public Resources Code)?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |

#### RESPONSES:

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and the forest carbon measurement methodology provided in the Forest Protocols adopted by the California Air Resources Board.



- (a) According to the California Department of Conservation (DOC), California Important Farmland Finder Map, there are no agricultural lands designated as Prime Farmland, Unique Farmland, Unique Farmland, or Farmland of Statewide Importance located within the project site. The project site is designated as nonagricultural and natural vegetation by the DOC (DOC 2018). There are no important farmlands located adjacent to or in the vicinity of the project site. Therefore, construction and/or operation of the proposed project would not result in the conversion of designated Farmland to a nonagricultural use. No further evaluation is required in the EIR.
- (b) The project site does not contain lands that are subject to Williamson Act contracts, either active on in nonrenewal. There are no lands under Williamson Act contracts adjacent to or in the vicinity of the project site. As such, there would be no impacts to Williamson Act lands.

The portions of the project site and surrounding area located within Kern County includes land that is zoned as A (Exclusive Agriculture) and A-1 (Limited Agriculture), and land within California City is zoned as O/RA (Open Space/Residential/Agricultural). Solar facilities are considered a compatible use with Kern County designations with a Conditional Use Permit. At present, solar facilities are considered to be a permitted use only in industrial zoned areas in California City. The City is in the process of updating its zoning code to designate solar facilities as a compatible/permitted use in O/RA zoned districts. If deemed necessary by the City of California City, the project proponent may request a zone change from O/RA to M-1 (Light Industrial) for the portion of the facility located in California City. No active agricultural lands would be affected by the proposed project. If rezoning is required for the portion of the project within California City, impacts could be potentially significant. Impacts will be discussed further in the EIR.

- (c) The project site is not situated on forest or timberland with areas that are currently under production. There is no land in the vicinity of the project site that is zoned as forest land, timberland, or lands zoned for timberland production. Therefore, there would be no impacts related to the rezoning of forest land, timberland, or timberland zoned for timberland production and no further analysis is warranted in the EIR.
- (d) Refer to response (c) above. Implementation of the proposed project would not directly or indirectly result in the loss of forest land or conversion of forest land to non-forest use. No further evaluation is required in the EIR.
- (e) As mentioned in response (a) above, the project site is not classified as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, and there are no active farmlands located in the project vicinity. The proposed project would not have direct or indirect impacts to the existing environment that would affect agricultural uses. The project site is not designated as forest land and forest land or timber lands do not occur in the project vicinity. Therefore, the project would not involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use. As such, there would be no conversion of forest land. No further evaluation is required in the EIR.
- (f) The project site is not subject to an open space contract made pursuant to the California Land Conservation Act of 1965 or the Farmland Security Zone Contract. As stated above, the project site is not under a Williamson Act Contract. The project would therefore not result in the cancellation of an open space contract made pursuant to the California Land Conservation Act of 1965 or Farmland Security Zone Contract for any parcel of 100 or more acres (Section 15205(b)(3) Public Resources Code. No impacts would occur and no further evaluation is required in the EIR.





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| <b>III. Air Quality</b>   |                                      |  |                                     |                          |
| Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:   |                                      |  |                                     |                          |
| a. Conflict with or obstruct implementation of the applicable air quality plan?   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in nonattainment under an applicable federal or state ambient air quality standard? Specifically, would implementation of the project exceed any of the following adopted thresholds: |                                      |  |                                     |                          |
| i. San Joaquin Valley Air Pollution Control District:   |                                      |  |                                     |                          |
| <u>Operational and Area Sources</u>   |                                      |  |                                     |                          |
| Reactive organic gases (ROG): 10 tons per year.   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Oxides of nitrogen (NO <sub>x</sub> ): 10 tons per year.  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Particulate matter (PM <sub>10</sub> ): 15 tons per year.   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <u>Stationary Sources - as Determined by District Rules</u>   |                                      |  |                                     |                          |
| Severe nonattainment: 25 tons per year.   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Extreme nonattainment: 10 tons per year.  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ii. Eastern Kern Air Pollution Control District.  |                                      |  |                                     |                          |
| <u>Operational and Area Sources</u>   |                                      |  |                                     |                          |
| Reactive organic gases (ROG): 25 tons per year.   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Oxides of nitrogen (NO <sub>x</sub> ): 25 tons per year.  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Particulate matter (PM <sub>10</sub> ): 15 tons per year.   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| <u>Stationary Sources – as Determined by District Rules</u>   |                                      |  |                                     |                          |
| 25 tons per year.   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| c. Expose sensitive receptors to substantial pollutant concentrations?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| d. Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |



RESPONSES:

- (a) The project site is located entirely within the jurisdiction of the Eastern Kern Air Pollution Control District (EKAPCD), in the Mojave Desert Air Basin (MDAB). EKAPCD is designated as a nonattainment area for both the state and federal ozone standards and the state particulate matter (PM<sub>10</sub>) standard. Project construction would generate emissions of reactive organic gases (ROG) and oxides of nitrogen (NO<sub>x</sub>), both of which are known as ozone precursors, and PM<sub>10</sub> that could result in significant impacts to air quality in the area.

EKAPCD's most recently adopted air quality management plan is its Ozone Air Quality Attainment Plan (AQAP) (EKAPCD 2005). As the proposed project would generate gaseous emissions of ozone precursors and PM<sub>10</sub> during construction, the proposed project could potentially conflict with EKAPCD's Ozone AQAP or thresholds for emissions of other criteria pollutants. The fully built and operational project would not include any stationary sources of air pollutants and the regular employee commuting traffic would generate minor exhaust emissions. As such, no significant long-term air quality impacts are anticipated that could result in a conflict with the AQAP. Further analysis of the project's air quality impacts is warranted to determine whether the proposed project would conflict with or obstruct implementation of EKAPCD's applicable air quality plan for attainment and, if so, to determine the reasonable and feasible mitigation measures that could be imposed. These issues will be evaluated in the EIR.

- (b) The proposed project is not located within the San Joaquin Valley Air Pollution Control District and, therefore, its adopted thresholds do not apply. However, as noted in Response (a) above, the project is located within the MDAB, which is designated as a nonattainment area for the state and federal ozone standards and the state PM<sub>10</sub> standard. As such, the emissions of ozone precursors (ROG and NO<sub>x</sub>) and PM<sub>10</sub> during construction and operation of the project could result in a cumulatively considerable net increase of these criteria pollutants in the MDAB. Thus, the project's contribution to cumulative air quality impacts in the MDAB could be potentially significant. The project's contribution of construction and operational emissions to the MDAB will be analyzed in the EIR.
- (c) Sensitive receptors located in the project area consist predominantly of rural residential dwellings located at varying distances from the project site. The Fremont Rural Community is located northeast of Sites 1 and 2 and west of Site 4 and consists predominantly of rural residential dwellings. The northernmost project parcel (APN No. 469-170-10), located near the intersection of Neuralia Road and Harriet Avenue, is located immediately adjacent to a rural residential dwelling. Nearby sensitive receptors could be exposed to pollutant emissions during construction of the proposed project. The proposed project's construction-related activities would result in diesel exhaust emissions and dust (also known as PM<sub>10</sub>) that could adversely affect air quality for the nearest sensitive receptors. The fully operational project would not include any stationary sources of air pollutant emissions and the small number of employees working a particular shift would generate low traffic volumes that would not result in significant levels of vehicular exhaust emissions. There would be less than significant concentrations of emissions from project operations, and a corresponding less than significant impact on the nearest sensitive receptors.

Additionally, exposure to Valley Fever and COVID-19 concerns from fugitive dust generated during construction is a potentially significant impact. There is the potential that cocci spores could be stirred up during excavation, grading, and earth-moving activities, exposing construction workers and nearby sensitive receptors to these spores and thereby to the possibility of contracting Valley Fever



and/or exacerbate health concerns related to COVID-19. Thus, impacts to sensitive receptors via exposure to substantial construction-related pollutant concentrations are considered potentially significant and will be evaluated further in the EIR.

- (d) The project would not have any stationary sources or equipment located on-site that would generate objectionable odors. During construction activities, only short-term, temporary odors from vehicle exhaust and construction equipment engines would occur. However, these odors would be temporary and would be dispersed rapidly. Therefore, project impacts are expected to be less than significant. Nonetheless, this issue will be further evaluated in the EIR.



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| <b>IV. Biological Resources</b>   |                                      |  |                                    |                                     |
| Would the project:  |                                      |  |                                    |                                     |
| a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/>            |
| b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/>            |
| c. Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/>            |
| d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/>            |
| e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/>            |
| f. Conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |

**RESPONSES:**

- (a) The project site contains large areas of undeveloped desert land with native vegetation. Native vegetation is typical of that found throughout the Mojave Desert, dominated by creosote bush and white bursage on slopes and plains and saltbush scrub in the alkaline basin. Many of the project parcels have been previously disturbed and/or cultivated. Currently, these areas include fallow agricultural fields and cleared parcels that were never put into agricultural production. Much of this fallowed land is still barren of native shrub cover and has been colonized by rubber rabbitbrush. There is a potential for candidate, sensitive, or special-status plants and wildlife species to be present onsite or in the proposed project vicinity. The findings of field surveys for the presence of candidate, sensitive, or special-status plant and animal species will be included in the EIR. Native desert plants, such as the Joshua tree, silver cholla, and beavertail cactus, are protected under the California Desert



Native Plant Act. Since the species located on-site are unknown, construction of the proposed project may directly or indirectly impact a protected species. Indirect impacts include dust and soil compaction leading to habitat degradation. Impacts to biological resources and sensitive plant communities are potentially significant and will be analyzed in the EIR.

- (b) The project site contains large areas of undeveloped desert land with native vegetation. Field surveys for riparian or other sensitive natural communities will be completed for the proposed project, and the results will be included in the EIR. Impacts to riparian or other sensitive natural communities are potentially significant and will be analyzed in the EIR.
- (c) Potential federal or state-protected water-based resources such as streams and washes could be present on the project site and might be impacted by project construction activities. Field surveys will be conducted to determine whether the project site contains features that are protected under federal or state regulations will be conducted as part of the EIR. Impacts to protected wetlands would be considered potentially significant. Further analysis of this issue will be included in the EIR.
- (d) The project site and surrounding area may be used for land-based migration or dispersal by native wildlife species, such as migratory birds, (e.g., burrowing owl) and desert tortoise. There are no water bodies or water courses that could provide migratory habitat for fish or wildlife species. Project construction and operation could also remove foraging habitat. Lighting from the project site could potentially affect movement of wildlife around the project site. Impacts to migration of protected wildlife species are considered potentially significant and will be further evaluated in the EIR.
- (e) Joshua trees (*Yucca brevifolia*) are protected under the California Desert Native Plants Act (CDNPA) and have been documented within the project site. Kern County (County) administers the permit program for removal of any species covered by this state act. Specifically, the CDNPA prohibits the harvesting of native desert plants, including Joshua trees, or any parts thereof, except when a permit from the Kern County Agricultural Commissioner is obtained and a fee for removal and/or relocation is submitted. Furthermore, the Open Space and Conservation Element of the California City General Plan includes the following policy:
  - Encourage the preservation of Joshua trees, known wildflower displays, or other biologically sensitive flora determined during biological surveys.

Implementation of the proposed project has the potential to impact Joshua trees; therefore, this impact is potentially significant and will be further evaluated in the EIR.

- (f) . The project site is located within the Desert Renewable Energy Conservation Plan (DRECP) Development Focus area, which means that the area is expected to support fewer sensitive status species than areas identified with conservation potential and is therefore more likely to be appropriate for renewable energy development. However, the DRECP at this time only applies to public lands managed by the Bureau of Land Management and is not an adopted Habitat Conservation Plan (HCP) or Natural Community Conservation Plan (NCCP). The proposed project would be located on private land and therefore is not subject to the DRECP. There are no other adopted conservation plans for protection of biological resources governing the project area. No impact would occur as the proposed project would not conflict with the provisions of an adopted habitat conservation plan. No further analysis in the EIR is warranted.



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| <b>V. Cultural Resources</b>   |                                      |  |                                     |                          |
| Would the project:   |                                      |  |                                     |                          |
| a. Cause a substantial adverse change in the significance of a historical resource pursuant to CEQA Guidelines Section 15064.5?      | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines Section 15064.5? | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| c. Disturb any human remains, including those interred outside of formal cemeteries?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**RESPONSES:**

- (a) The project site consists of undeveloped desert land. It is possible that surface or subsurface deposits of historic resources may occur somewhere on the project site, as there are established historic era settlements in this area, i.e., California City and the Rural Community of Fremont. Development of the proposed project would require ground disturbance for grading, installation of the solar arrays, gen-tie line, and placement of underground electrical and communications lines. Such earth-disturbing activities could potentially impact historical resources. A cultural resources survey will be conducted for the proposed project as part of the EIR. Further evaluation in the EIR is warranted to identify potential impacts to historical resources and to formulate avoidance or mitigation measures, if applicable.
- (b) As discussed under (a) above, development of the proposed project would require ground disturbance for grading, installation of the solar arrays, gen-tie line, and placement of underground electrical and communications lines. The proposed project could potentially impact unknown archaeological resources during earth disturbing construction activities. A cultural resources survey will be conducted for the proposed project as part of the EIR. Further evaluation in the EIR is warranted to identify potential impacts to archaeological resources and to formulate avoidance or mitigation measures, if applicable.
- (c) There is no evidence that the project site is located within an area likely to contain human remains, and discovery of human remains during project earthmoving activities is not anticipated. Therefore, impacts to human remains are anticipated to be less than significant. However, this issue will be further evaluated in the EIR.





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|---|--------------------------------------|--|-------------------------------------|--------------------------|
| <b>VI. Energy</b>   |                                      |  |                                     |                          |
| Would the project:  |                                      |  |                                     |                          |
| a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation? | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**RESPONSES:**

- (a) Construction of the proposed project would involve on-site energy demand and consumption related to use of oil in the form of gasoline and diesel fuel for construction worker vehicle trips, hauling and materials delivery truck trips, and operation of off-road construction equipment. In addition, diesel-fueled portable generators may be necessary to provide additional electricity demands for temporary on-site lighting, welding, and for supplying energy to areas of the sites where energy supply cannot be met via a hookup to the existing electricity grid.

Energy use associated with operation of the proposed project would be typical of a solar facility. Operation and maintenance facilities associated with the project would require electricity for interior and exterior building lighting, heating, ventilation, and air conditioning (HVAC), electronic equipment, machinery, appliances, security systems, etc. Electrical energy for operations would be provided by the solar energy produced and/or stored by the proposed project, or back fed by power obtained from Barron Ridge/LADWP. Maintenance activities during operations could involve the use of electric or gas-powered equipment. In addition to on-site energy use, the proposed project would result in transportation fuel consumption associated with employee vehicle trips generated by the proposed project. Further analysis of the project's energy use will be conducted in the EIR to determine if there could be wasteful or inefficient energy consumption.

- (b) Operation of the proposed project would lead to an overall increase in the County's renewable energy portfolio and would align with the stated General Plan policy to encourage the development of renewable energy within Kern County. This project would also align with and implement statewide objectives to expand the amount of electricity generated from renewable sources, such as SB 350, which requires that by December 31, 2030, 50 percent of all electricity sold in the state shall be generated from renewable energy sources. Impacts are considered to be beneficial. However, further discussion is warranted in the EIR, to provide a broader assessment of the project's beneficial effects in terms of implementing important State, County and City objectives for renewable energy.



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|--|--------------------------------------|--|-------------------------------------|-------------------------------------|
| <b>VII. Geology and Soils</b>  |                                      |  |                                     |                                     |
| Would the project:   |                                      |  |                                     |                                     |
| a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:   |                                      |  |                                     |                                     |
| i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| ii. Strong seismic ground shaking?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| iii. Seismic-related ground failure, including liquefaction?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| iv. Landslides?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b. Result in substantial soil erosion or the loss of topsoil?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems in areas where sewers are not available for the disposal of wastewater?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/>            |

**RESPONSES:**

- (a)(i) According to the California Geologic Study's Alquist-Priolo Special Studies Fault Map, the project site is not located within a currently mapped Alquist-Priolo Special Studies Fault Zone. The nearest



fault is the Garlock Fault that is located approximately one-mile west of the project (CGS 2020). As such, a rupture of an on-site fault is not anticipated. Construction of the project would have no effect on potential movement along the Garlock Fault or any other regional fault systems. In addition, although the project does not include any habitable structures, construction of the project would be subject to all applicable ordinances of the Kern County Building Code (Chapter 17.08) pertaining to mitigation of seismic hazards. Kern County and California City have adopted the California Building Standards Code (CBC), which imposes substantially the same seismic safety requirements as the International Building Code (IBC). Adherence to all applicable regulations would mitigate any potential impacts at the project site due to rupture along the Garlock Fault or other regional faults. Nonetheless, a geotechnical investigation will be conducted to confirm the absence of on-site fault indications, and further discussion will be provided in the EIR to explain how the project will be designed to align with applicable Kern County and California City regulations.

- (a)(ii) Due to the location of active faults in the general region, strong seismic ground shaking could occur at the project site, resulting in damage to above and below ground structures and other site improvements, if not properly designed to withstand strong ground shaking. As discussed is (a)(i) above, adherence to applicable regulations would minimize the potential impacts associated with the proposed project. Although potential impacts are anticipated to be less than significant, further discussion in the EIR will be provided.
- (a)(iii) Seismically induced liquefaction occurs when loose, water-saturated sediments of relatively low density are subjected to cyclic shaking that causes soils to lose strength or stiffness because of increased pore water pressure. Liquefaction generally occurs when the depth to groundwater is less than 50 feet. A production well on the eastern end of the project indicates that the depth to groundwater is approximately 255 feet below the ground surface (DWR 2010). Thus, the potential for liquefaction at the surface is low. Furthermore, the project is not located within a current, mapped California Liquefaction Hazard Zone. Structures constructed as part of the project would be required by state law to be constructed in accordance with all applicable IBC and CBC earthquake construction standards, including those relating to soil characteristics. Nonetheless, the potential for substantial adverse effects to the project due to seismic-related ground failure, including liquefaction, will be examined in the EIR. A geotechnical investigation will be conducted to determine the subsurface conditions and relevant soil properties at the project site to support that analysis.
- (a)(iv) The project site is located in a relatively flat-lying plain, where landslides are not likely. Impacts related to landslides are not anticipated to occur or pose a hazard to the project or surrounding area. Further analysis of this issue is not warranted in the EIR.
- (b) Grading and/or excavation would be required for solar panel array and some building foundations at the site, and some trenching would be required for the installation of underground cables and circuits. Project construction would have the potential to result in erosion, sedimentation, and discharge of construction debris from the site. Clearing of vegetation and grading activities, for example, could lead to exposed or stockpiled soils susceptible to peak storm water runoff flows and wind forces. The compaction of soils by heavy equipment may minimally reduce the infiltration capacity of soils (exposed during construction) and increase runoff and erosion potential. The project proponent would be required to obtain coverage under the National Pollution Discharge Elimination System (NPDES) Construction General Permit (CGP), because the proposed project would disturb greater than one acre of land. In order to conform to the requirements of the CGP, a storm water pollution prevention plan (SWPPP) would need to be prepared that outlines specific best management practices (BMPs)



to prevent construction pollutants, including eroded soils (such as topsoil), from moving off-site. Post construction BMPs would also be implemented to address any long-term effects involving soil erosion or loss of topsoil associated with operations and maintenance of the proposed project. Impacts are anticipated to be less than significant with implementation of the above requirements. However, this issue will be further evaluated in the EIR.

- (c) A geotechnical investigation of the project site is to be conducted to determine the physical characteristics of the underlying soils and geologic formations and to identify any unstable conditions that could be exacerbated by proposed construction activities. The results of these investigations will be provided in the EIR.
- (d) Expansive soils are fine-grained soils (generally high plasticity clays) that can undergo a significant increase in volume with an increase in water content and a significant decrease in volume with a decrease in water content. Changes in the water content of a highly expansive soil can result in severe distress to structures constructed on or against the soil. A geotechnical investigation will be conducted to determine the subsurface conditions and relevant soil properties at the project site. The proposed project would be designed to comply with applicable building codes and structural improvement requirements to withstand the effects of expansive soils, if warranted. Impacts are anticipated to be less than significant; however, this issue will be further evaluated in the EIR.
- (e) The project may include an O&M facility to serve O&M employees. This facility may include development of a septic tank and associated disposal field, the impacts of which are potentially significant. Therefore, the EIR will further evaluate whether on-site soils are capable of supporting the use of septic tanks.
- (f) Kern County is rich in paleontological resources. If sensitive paleontological formations are located underground on the project site, ground disturbance could result in impacts to paleontological resources. A paleontological study will be conducted to determine the underlying formations and potential for fossil discoveries throughout the project site. This analysis will be provided in the EIR to identify potential impacts and to formulate avoidance or mitigation measures, if applicable.



|  | Potentially<br>Significant<br>Impact | Less than<br>Significant<br>with<br>Mitigation<br>Incorporated | Less-than<br>Significant<br>Impact | No<br>Impact |
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## VIII. Greenhouse Gas Emissions

Would the project:

- |    |   |                          |                          |                                     |                          |
|----|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a. | Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?        | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. | Conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

### RESPONSES:

- (a) Greenhouse gas (GHG) emissions emitted by human activity are implicated in global climate change or global warming. The principal GHGs are CO<sub>2</sub>, methane (CH<sub>4</sub>), NO<sub>x</sub>, ozone, water vapor, and fluorinated gases. The project's temporary construction activities, which would involve operation of heavy off-road equipment, on-road trucks (for deliveries and hauling), and construction worker commute trips, would generate GHGs. As a solar power generation facility, however, the proposed project would displace traditional sources of electricity production that involves combustion energy sources (e.g., burning coal, fuel oil, or natural gas). As such, the provision of solar energy by the proposed project would produce GHG-free electricity anticipated to offset GHGs otherwise generated by traditional fuel combustion sources. The project's GHG emissions generated during construction of the project and the potential GHG offsets resulting from operation of the project will be quantified in the EIR. Potential for significant environmental impacts will be examined through the project's consistency with GHG reduction plans, programs or regulations, as outlined in the next response.
- (b) California has passed several bills and the governor has signed at least three executive orders regarding GHGs. Assembly Bill (AB) 32 (Global Warming Solutions Act), passed by the California legislature on August 31, 2006, requires the State's global warming emissions to be reduced to 1990 levels by 2020. The reduction will be accomplished through an enforceable statewide cap on GHG emissions that was phased-in starting in 2012.

In 2002, California established its Renewable Portfolio Standards (RPS) Program, with the goal of increasing the percentage of renewable energy in the State's electricity mix to 20 percent renewable energy by 2017. In 2006, under SB 107, the RPS Program codified the 20 percent goal. The RPS Program requires electric utilities and providers to increase procurement from eligible renewable energy resources by at least one percent of their retail sales annually until they reach 20 percent by 2017. On November 17, 2008, the governor signed Executive Order S-14-08, requiring California utilities to reach the 33 percent renewable goal by 2020. In 2015, SB 350 was enacted to increase the RPS to 50 percent and reduce greenhouse gas emissions by 40 percent below 1990 levels by the year 2030 and to 80 percent below 1990 levels by 2050.

The proposed project is intended to: (1) reduce generation and importation of power from fossil fuel power plants and (2) contribute to a reduction in GHGs associated with energy consumption by



residential and business consumers. Heavy equipment operation, truck deliveries, and construction worker commute trips associated with construction of the proposed project would temporarily generate GHGs; however, operation of the project would offset GHGs generated by traditional fuel combustion sources of electricity. The project's potential GHG impacts and the potential GHG offsets resulting from operation of the project will be examined in the EIR, with respect to the objectives of statewide programs to reduce GHGs associated with energy generation.





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|--|--------------------------------------|--|-------------------------------------|-------------------------------------|
| <b>IX. Hazards and Hazardous Materials</b>   |                                      |  |                                     |                                     |
| Would the project:   |                                      |  |                                     |                                     |
| a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| c. Emit hazardous emissions or involve handling hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d. Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e. For a project located within the adopted Kern County Airport Land Use Compatibility Plan, would the project result in a safety hazard or excessive noise for people residing or working in the project area?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| f. Impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| g. Expose people or structures, directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| h. Would implementation of the project generate vectors (flies, mosquitoes, rodents, etc.) or have a component that includes agricultural waste? Specifically, would the project exceed the following qualitative threshold:<br>The presence of domestic flies, mosquitoes, cockroaches, rodents, and/or any other vectors associated with the project is significant when the applicable enforcement agency determines that any of the vectors: |                                      |  |                                     |                                     |



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|---|--------------------------------------|--|-------------------------------------|--------------------------|
| i. Occur as immature stages and adults in numbers considerably in excess of those found in the surrounding environment; and | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ii. Are associated with design, layout, and management of project operations; and   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| iii. Disseminate widely from the property; and  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| iv. Cause detrimental effects on the public health or well-being of the majority of the surrounding population.             | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

#### RESPONSES:

- (a) Wastes to be generated during construction of the proposed project would be non-hazardous, and would consist of cardboard, wood pallets, copper wire, scrap steel, common trash, and wood wire spools. Although field equipment used during construction activities could contain various hazardous materials (i.e., hydraulic oil, diesel fuel, grease, lubricants, solvents, adhesives, paints, etc.), these materials are not considered to be acutely hazardous and would be used in accordance with the manufacturer's specifications and all applicable regulations. In addition, hazardous fuels and lubricants used on field equipment would be subject to a Construction Waste Management Plan and, if required, a Spill Prevention, Containment and Countermeasure Plan.

The fully operating project would not involve the routine transport, use, or disposal of hazardous materials as defined by the Hazardous Materials Transportation Uniform Safety Act. During construction, the proposed project would include the transport of general construction materials (i.e., concrete, wood, metal, fuel, etc.) as well as materials necessary to construct the proposed PV arrays. Impacts resulting from the transport, use or disposal of hazardous materials during construction of the proposed project would be less than significant; however, the EIR will include an evaluation of potential hazardous materials impacts.

Project-related infrastructure would not generate hazardous emissions or be constructed of acutely hazardous materials or substances that could adversely impact the public, the environment, or on-site workers. The proposed project would be subject to all local, state, and federal laws pertaining to the use of hazardous materials on-site and would be subject to review by the Kern County Environmental Health Services Division and California City's Community Development Department. Through the review process, the project would be required to submit a complete list of all hazardous materials used on-site, how the materials would be transported and stored, and in what form they would be used to maintain safety and prevent possible environmental contamination or worker exposure. During construction of the proposed project, Safety Data Sheets (SDS) for all applicable materials present at the site would be made readily available to on-site personnel. During construction of the facility, human waste would be managed using portable toilets located at reasonably accessible on-site locations.



The PV panels may include solid materials that are considered to be hazardous, such as cadmium telluride. The project would use the manufacturer's collection and recycling program to ensure the proper collection and recycling of PV panels, as needed. Solar panels are in a solid and non-leachable state; broken PV panels would be quickly replaced, which would avoid a potential source of pollution to storm water. Dust palliative and herbicides, if used, may be transported to and stored at the project site. These materials would be stored in appropriate containers that would prevent their accidental release at the site.

SR 14 and SR 58 are designated routes for the transport of hazardous materials. These roadways are equipped to handle the transport of hazardous materials and both SR 14 and SR 58 would provide regional access to the project. Impacts resulting from the transport, use or disposal of hazardous materials during construction and operation of the proposed project are not expected to be significant; however, this will be evaluated further in the EIR.

- (b) Construction and operation of the proposed project may include the accidental release of hazardous substances, such as cleaning fluids and petroleum products including lubricants, fuels, and solvents. Electrical transformer equipment that would be installed as part of the proposed project may include various hazardous substances, including polychlorinated biphenyls. The toxicity and potential release of these materials would depend on the quantity, type of storage container, safety protocols used on the site, location and/or proximity to schools and residences, frequency and duration of spills or storage leaks, and the reactivity of hazardous substances with other materials. In addition, the proposed project could also include an Energy Storage Systems (ESS). The ESS would be composed of battery storage modules placed in multiple prefabricated enclosures or containers near the on-site substation(s). Potential hazards associated with ESS include increased potential for electrical shock and chemical release associated with the batteries used.

The proposed project would be subject to all local, state, and federal laws pertaining to the use of hazardous materials onsite and would be subject to review by the Kern County Environmental Health Services Division California City's Community Development Department. Through the review process, the project proponent would be required to submit a complete list of all materials used on-site, how the materials would be transported and stored, and in what form they would be used. This would be recorded to maintain safety and prevent possible environmental contamination or worker exposure. This would include submission of MSDS for all applicable materials present at the site, and the MSDS would be made readily available to on-site personnel. It is anticipated that adherence to regulations and standard protocols during the storage, transportation, and usage of any hazardous materials would avoid significant impacts. Nonetheless, potential impacts will be evaluated in the EIR.

- (c) There are no existing or proposed schools located within one-quarter mile of the project site. The nearest school is California City High School located approximately three miles southeast from Site 2 at 8567 Raven Way in California City. Furthermore, the fully functional solar farm would not generate air emissions from any stationary sources, and occasional emissions from combustion engine powered maintenance machinery and automobile traffic from on-site workers would not result in hazardous emissions. Consequently, the project would not generate hazardous emissions or involve handling hazardous or acutely hazardous materials, substances or waste within one-quarter mile of an existing or proposed school. No impacts are anticipated; therefore, further analysis of this issue is not warranted in the EIR.



- (d) The project site is not identified in any of the California hazardous materials databases. Searches were completed for the subject parcels in the following hazardous materials lists: California Environmental Protection Agency's (CalEPA) Cortese List including the California Department of Toxic Substances and Control's EnviroStor database of hazardous substances release sites; and GeoTracker, the California database of leaking underground storage tanks. Finally, as provided by CalEPA, there are no active Cease and Desist Orders or Clean Up and Abatement Orders for hazardous materials/facilities in the immediate project vicinity of the project site. Therefore, no impacts are anticipated, and further analysis is not warranted in the EIR.
- (e) The southern portion of the project site is located within an area covered by the Kern County ALUCP for the California City Municipal Airport. The project site is located immediately north of the California City Municipal Airport. Specifically, the southernmost portion of the project site is located in "Compatibility Zone B1 – Approach/Departure Zone and Adjacent to Runway" (APN No. 302-020-08) and "Compatibility Zone C – Common Traffic Pattern" (APN No. 302-020-08, -09, -11, -14, -15, -16, -17, -18, and 302-470-14). According to Table 2A – Compatibility Criteria of the Kern County ALUCP, Compatibility Zone B1 is subject to substantial risk and substantial noise, and Compatibility Zone C is subject to limited risk and frequent noise intrusion. Based on these locational factors, the proposed project has the potential to result in a safety hazard or excessive noise for people working in the project area. Further analysis of this issue will be discussed in the EIR.
- (f) The project site is located in an area with several alternative access roads allowing access in the event of an emergency. As required by routine and standard construction specifications administered by Kern County and California City, emergency access would be maintained throughout construction and operation, and appropriate detours would be provided in the event of potential road closures.

The project site is located in an area with several alternative roadways allowing access in the event of an emergency. As required by routine and standard construction specifications administered by Kern County, access would be maintained throughout construction, and appropriate detours would be provided in the event of potential road closures. Therefore, no significant impacts related to impairment of the implementation of or physical interference with an adopted emergency response plan or emergency evacuation plan would occur during construction.

The small size of the operational work force would not generate significant traffic volumes during an emergency evacuation scenario that could complicate area-wide emergency evacuation efforts. Driveways built to connect to existing local roads for direct site access would not affect designated emergency evacuation routes, as these are small local streets and the driveways would not conflict with potential evacuation routes for surrounding land uses. Proposed amendments to the County General Plan Circulation Element to remove section and mid-section line road reservations would not affect any existing roadways or any existing or planned evacuation routes. California City will determine what section and mid-section line road reservations to be preserved and what ones will be removed during the CUP process (Sec. 9-2-2501 of the California City Municipal Code). Although impacts are anticipated to be less than significant, further analysis of this issue will be discussed in the EIR.

- (g) The project would not increase the potential for wildland fires or expose people or structures to a significant risk of loss, injury, or death involving wildland fires. According to the California Department of Forestry and Fire Protection (CalFire), Kern County Fire Hazards Severity Zone Maps for the Local Responsible Areas, the project site is classified as Local Responsibility Area (LRA)



Moderate. Moderate zones are typically wildland supporting areas of low fire frequency and relatively modest fire behavior. The proposed project would comply with all applicable wildland fire management plans and policies established by CalFire, Kern County Fire Department, and California City Fire Department. Accordingly, the project is not expected to expose people or structures to a significant risk of loss, injury, or death involving wildland fires. Nonetheless, potential impacts involving wildfires will be discussed in the EIR--please refer to the responses to the Checklist topic concerning Wildfire, later in this Initial Study.

- (h) Project-related infrastructure is not expected to result in features or conditions that could potentially provide habitat for vectors such as mosquitoes, flies, cockroaches, or rodents. During construction and operation, workers would generate small quantities of solid waste (i.e., trash, food containers, etc.) that would be stored on site in fully enclosed containers, then transported to and disposed of at approved disposal facilities. Project-related infrastructure is not expected to result in features or conditions (such as standing water, agricultural products, agricultural waste, or human waste) that would provide habitat for vectors such as mosquitoes, flies, cockroaches or rodents. Construction workers would generate only small quantities of solid waste (i.e. trash) that would be appropriately stored for permanent disposal offsite. Therefore, potential impacts would be negligible, and no further analysis is warranted.



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|--|--------------------------------------|--|------------------------------------|--------------------------|
| <b>X. Hydrology and Water Quality</b>  |                                      |  |                                    |                          |
| Would the project:   |                                      |  |                                    |                          |
| a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |
| b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?                                  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |
| c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would: |                                      |  |                                    |                          |
| i. result in substantial erosion or siltation on- or off-site;   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |
| ii. substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |
| iii. create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or                             | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |
| iv. impede or redirect flood flows?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |
| d. In flood hazard, tsunami, seiche zones, risk release of pollutants due to project inundation?   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |
| e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |

**RESPONSES:**

- (a) Construction of the project would be subject to County, State, and Federal Water quality regulations. The project site is within the Lahontan Regional Water Quality Control Board (RWQCB) jurisdiction. Project construction activities have the potential to result in erosion, sedimentation, and discharge of construction debris, and could result in the discharge of wastewater and urban runoff at





the project site. If not properly managed, this wastewater could violate the water quality standards or waste discharge requirements of the RWQCB, or otherwise degrade surface or ground water quality. It is anticipated that appropriate BMPs and compliance with applicable regulations, including the NPDES Construction General Permit (CGP), would reduce potential water quality impacts to a less than significant level. Soil stabilization measures would be used to prevent soil erosion caused by storm water runoff. The proposed project contractor(s) would apply for coverage under the state's General Construction Permit for stormwater discharges from construction activities and would prepare a SWPPP that would include implementation of BMP erosion-control measures to control stormwater runoff. Site-specific BMPs would be designed by the contractor in compliance with regulations and permit conditions. Potential water quality impacts resulting from the developed site conditions will require further analysis. No waste discharge permits are anticipated for this project. A comprehensive hydrology and water quality impact analysis will be included in the EIR.

- (b) During construction, potable water would be brought to the site for drinking and domestic needs. Non-potable water usage during construction, primarily for dust-suppression purposes, is not expected to exceed 400 acre-feet over the 12-18 month construction phase. Water demand for panel washing and O&M domestic use (lavatories, sinks, general maintenance) is not expected to exceed 50 acre-feet per year. Water is anticipated to be obtained from on-site wells. Alternatively, water may be obtained from one or more off-site source(s) and delivered to the project site via truck. If off-site water is used, it would likely be obtained from one of the nearby Springbok projects, the Eland Project, or from a commercial source. A water supply assessment will be completed for the project to analyze potential impacts to groundwater. Potential impacts will be addressed in the EIR.
- (c)(i) Construction of the concrete pads for the switchyard, inverters, transformers, O&M building(s), etc., as well as foundational supports for panel installation, soil compaction, and any grading may alter the existing drainage pattern of the project site. A hydrologic study will be prepared for the project in accordance with Kern County requirements, and potentially significant impacts to existing drainage patterns and effects involving sedimentation and erosion on/off the project site will be analyzed in the EIR.
- (c)(ii) Construction of new impervious surfaces and alterations of existing drainage patterns could result in an increase in the rate or amount of surface runoff and may potentially affect flooding conditions. A hydrologic study will be prepared for the project in accordance with Kern County requirements, and potentially significant impacts will be analyzed in the EIR.
- (c)(iii) During construction and following installation of the solar arrays, the vast majority of the site would remain as pervious surfaces. The design of the solar arrays would preserve most of the ground area beneath the panels such that storm water infiltration would occur similar to existing conditions. There would be new impervious surfaces and compacted areas that could potentially increase the rate and amount of site runoff, and alter the composition of site runoff, compared to existing conditions; however, the project would not discharge any runoff into a municipal storm drainage facility or system. Further analysis of the project's proposed storm drainage improvements and change in surface hydrology is required in the EIR, to determine whether changes in site runoff in the developed condition could result in a substantial source of polluted runoff that is not properly managed. Potential impacts will be further discussed in the EIR.
- (c)(iv) Based on a review of the FEMA's Flood Insurance Rate Maps, portions of the solar facility's Sites 2 and 3 and gen-tie line are mapped in 100-year (Zone A) floodplains. Zone A is defined as areas



subject to inundation by the 1-percent-annual-chance flood event generally determined using approximate methodologies. The remainder of the project is in an area designated as having a minimal flood hazard. The proposed project would be reviewed by the Kern County Public Works Department- Floodplain for adherence to all floodplain management standards. Further analysis is required in the EIR to determine whether the proposed project could exacerbate flood hazards on or off site and to identify appropriate mitigation/design measures to reduce potentially significant impacts from potential flooding.

- (d) The project is not located near an ocean or enclosed body of water, and therefore would not be subject to inundation by seiche or tsunami. Mudflows are a type of mass wasting or landslide, where earth and surface materials are rapidly transported downhill under the force of gravity, and are often triggered by heavy rainfall and soil that is not able to sufficiently drain or absorb water and the super-saturation results in soil and rock materials to become unstable and slide away. Due to the relatively flat topography of the project and surrounding area, the potential to be inundated by mudflow is considered remote.

Based on a review of the FEMA's Flood Insurance Rate Maps, portions of the project Sites 2 and 3 and gen-tie line are mapped as 100-year (Zone A) floodplains. The project would be reviewed by the Kern County Public Works Department for adherence to all applicable floodplain management standards. Further analysis is required in the EIR to determine whether the project could generate increased pollutants that could be released during flooding conditions.

- (e) The project site is located within the Fremont Valley Groundwater Basin. A water supply assessment will be completed for the project to analyze potential impacts to groundwater in that basin. Results of this assessment will be provided in the EIR.



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|--|--------------------------------------|--|------------------------------------|-------------------------------------|
| <b>XI. Land Use and Planning</b>   |                                      |  |                                    |                                     |
| Would the project:   |                                      |  |                                    |                                     |
| a. Physically divide an established community?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |
| b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation for the purpose of avoiding or mitigating an environmental effect? | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/>            |

#### RESPONSES:

- (a) The project site is located on undeveloped desert land. As shown on **Figure 7, Existing General Plan Designations – Kern County**, portions of Sites 1 and 2 are located within the Fremont Interim Rural Community Plan area and approximately 0.25 miles southwest of approximately 40 rural residential dwellings within the community. Sites 2 and 3 are approximately 1-mile north of the nearest subdivision within California City. No new roadways or other linear elements are proposed that would have the potential to restrict existing access or movement within or otherwise physically divide the Fremont community or within California City. Further assessment of this issue, therefore, is not required.
- (b) The project is located within the boundaries of the Kern County General Plan, the Fremont Interim Rural Community Plan, and the City of California City General Plan. The Fremont Interim Rural Community Plan Map is in effect until a formal Specific Plan can be adopted for the community. Therefore, since no formal text plans have yet been adopted, the goals and policies of the Kern County General Plan shall be the governing tool for any development within the Community Plan area. The portion of the project site located north of Washburn Boulevard is within the Kern County General Plan area. As shown on **Figure 7, Existing General Plan Designations – Kern County**, the project parcels located in unincorporated Kern County are designated by the Kern County General Plan as Map Code 8.5 (Resource Management, Min. 20 Acre Parcel Size) and the parcels located within the Fremont Interim Rural Community Plan are designated as 5.6 (Min. 2.5 Gross Acres/Unit). As shown on **Figure 8A, Existing Zoning – Kern County**, the project parcels located in unincorporated Kern County have a zone classification of A (Exclusive Agriculture); A-1 (Limited Agriculture); A-1 MH (Limited Agriculture, Mobile Home Combining); PL RS (Platted Lands, Residential Suburban Combining); and, PL RS MH (Platted Lands, Residential Suburban Combining, Mobile Home Combining). No change to the existing land use designations is required or proposed with project implementation. Further analysis is required, however, to determine whether the proposed project could conflict with any land use plan or policy for the purpose of avoiding or mitigating an environmental effect, including protection of sensitive biological resources (see earlier response to IV.e).

As shown on **Figure 8A, Existing Zoning – Kern County**, the project parcels located in unincorporated Kern County have a zone classification of A (Exclusive Agriculture); A-1 (Limited



Agriculture); A-1 MH (Limited Agriculture, Mobile Home Combining); PL RS (Platted Lands, Residential Suburban Combining); and, PL RS MH (Platted Lands, Residential Suburban Combining, Mobile Home Combining)..

As shown in **Figure 8B**, *Proposed Zoning – Kern County*, the project proponent has requested a change in the zone classifications for the project parcels located in unincorporated Kern County to A (Exclusive Agriculture). According to Kern County Zoning Ordinance 19.12.030, solar energy electrical facilities are permitted within the A Zone District with the approval of a CUP. The project proponent is requesting a CUP to allow for the construction and operation of a solar facility and battery energy storage system. With approval of the zone change classifications and CUP, the proposed solar project would be an allowable use within the A Zone District.

Additionally, the project proponent is requesting a General Plan Amendment to amend the Circulation Element of the Kern County General Plan to remove sections and midsection line road reservations, as shown on **Figure 9**, *Future Road Reservations To Be Deleted*. Those reservations are not required to support any existing or approved land use plans or to achieve any specific Circulation Element objectives associated with performance of the roadway network. This map-only change would not conflict with any of the County's land use policies related to avoiding or mitigation an environmental impact or conserving important natural resources or habitat. California City will determine what section and mid-section line road reservations to be preserved and what ones will be removed during the CUP process (Sec. 9-2-2501 of the California City Municipal Code).

The portion of the project site located south of Washburn Boulevard is within the California City General Plan area. As shown on **Figure 10**, *Existing General Plan Designations – California City*, the project parcels located in California City are designated by the General Plan as O/RA (Controlled Development, Public Parks & Recreation or Public Schools. As shown on **Figure 11**, *Existing Zoning – California City*, the project parcels located in California City have a zone classification of O/RA (Open Space/Residential/Agricultural). The project proponent is also requesting a CUP from California City to allow for the construction and operation of a solar facility in the O/RA (Open Space/Residential/Agricultural) zone. At present, solar facilities are considered to be a permitted use only in industrial zoned areas in California City. The City is in the process of updating its zoning code to designate solar facilities as a compatible/permitted use in O/RA zoned districts. If deemed necessary by the City of California City, the project proponent may request a zone change from O/RA to M-1 (Light Industrial) for the portion of the facility located in California City. No change to the existing land use designations is required or proposed with project implementation within California City, and therefore, the project would not cause a significant environmental impact due to a conflict with any land use plan or policy for the purpose of avoiding or mitigating an environmental effect in this regard.

With approval of the requested CUPs, zone change classifications, and General Plan amendments, the proposed project would not have the potential to conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project adopted for the purpose of avoiding or mitigating an environmental effect. At the end of the project's operational term, the project proponent would determine whether the project site should be decommissioned and deconstructed or if it would seek an extension of its CUP. If any portion of the project site is decommissioned, it would be converted to other uses in accordance with the applicable land use regulations in effect at that time. Further evaluation will be provided in the EIR.



|  | Potentially<br>Significant<br>Impact | Less than<br>Significant<br>with<br>Mitigation<br>Incorporated | Less-than<br>Significant<br>Impact | No<br>Impact                        |
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| <b>XII. Mineral Resources</b>  |                                      |  |                                    |                                     |
| Would the project:   |                                      |  |                                    |                                     |
| a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?                                 | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |
| b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan? | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |

**RESPONSES:**

- (a) The project site is not designated as a mineral recovery area or within a designated mineral and petroleum resource site by the Kern County General Plan, nor is it identified as a mineral resource zone by CalGEM Division (DOC 1999). There are no existing or abandoned mineral recover activities or facilities within the project site. Construction and operation of the proposed project would not interfere with mineral extraction and processing and would not result in a loss of mineral resources known to be of value in this region. Therefore, there would be no impact and no further analysis is warranted in the EIR.
- (b) As mentioned previously, the project site is not located within a designated mineral and petroleum resource site within the Kern County General Plan. The project site is not located within the NR (Natural Resources) or PE (Petroleum Extraction) zoned districts. Therefore, the installation of the solar facilities would not result in the loss of a locally important mineral resource recover site. There would be no impact and no further analysis is warranted in the EIR.



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|--|--------------------------------------|--|-------------------------------------|--------------------------|
| <b>XIII. Noise</b>   |                                      |  |                                     |                          |
| Would the project result in:   |                                      |  |                                     |                          |
| a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in a local general plan or noise ordinance or applicable standards of other agencies? | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| b. Generation of excessive groundborne vibration or groundborne noise levels?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. For a project located within the vicinity of a private airstrip or Kern County Airport Land Use Compatibility Plan, would the project expose people residing or working in the project area to excessive noise levels?                      | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

#### RESPONSES:

- (a) Land uses determined to be “sensitive” to noise as defined by the Kern County General Plan include residential areas, schools, convalescent and acute care hospitals, parks and recreational areas, and churches. The Kern County and California City General Plan Noise Elements set a 65 dBA (A-weighted decibels) Day-Night noise level ( $L_{dn}$ ) limit on exterior noise levels for stationary sources (i.e., non-transportation) at sensitive receptors. Sensitive receptors located in the project area consist predominantly of rural residential dwellings located at varying distances from the project site. The Fremont rural community is located northeast of Sites 1 and 2 and west of Site 4 and consists predominantly of rural residential dwellings. The northernmost project parcel (APN No. 469-170-10), located near the intersection of Neuralia Road and Harriet Avenue, is located immediately adjacent to a rural residential dwelling. Noise associated with construction and project operations has the potential to affect these nearby sensitive receptors.

Noise generated by the proposed project would occur primarily during the construction phase; whereas as the long-term operation of the solar facility would be relatively quiet, since no substantial noise-generating equipment would be located at the project site during operations and there would be minor traffic generating by on-site employees, who would work mainly indoors, within the O & M Building. No substantial noise-generating equipment would be located at the project site during operations. There would be periodic noise from routine outdoor maintenance activities and minor traffic from workers arriving/departing the site. The project proponent would be required to adhere to the provisions outlined in the Kern County Ordinance Code and California City Municipal Code





with respect to permitted days and hours of permitted construction activities. Potential noise impacts during project construction or operations will be further analyzed in the EIR

- (b) Groundborne vibration and groundborne noise could originate from the operation of heavy off-road equipment and heavy duty trucks delivering materials and machinery during the construction phase of the project. Erection of the solar arrays would include support structures that may potentially need to be driven into the soil using pneumatic techniques, which could generate groundborne noise that could be audible to sensitive receptors in the area. Given the proximity to existing homes in the Fremont community, there is a potential for groundborne vibration impacts from panel foundation construction. Further analysis of groundborne noise and vibration impacts during construction will be provided in the EIR. The analysis will address both Kern County and City of California City thresholds.

Operation of the proposed project is anticipated to emit minimal groundborne vibration and/or noise because operation activities primarily consist of low intensity activities such as routine maintenance, panel washing, and security patrols. The project would not include any activities or machinery that would induce ground vibrations or noise. Nonetheless, further analysis of groundborne vibration and groundborne noise during project operations will be included in the EIR. The analysis will address both Kern County and City of California City thresholds

- (c) Heavy equipment use during construction would cause a temporary or periodic increase in ambient noise levels. Temporary or periodic increases in ambient noise levels caused by construction activities could be reduced with the incorporation of mitigation measures. Project-related construction noise levels will be quantified and evaluated in the EIR.

Operation of the project would generate very little noise. The solar facility would use limited staff during operation. Traffic on the access road for the solar facility would be routine access and maintenance activities and would primarily consist of personal vehicles. Nevertheless, a noise analysis will be included in the EIR to determine the project's consistency with the applicable provisions of the Kern County General Plan Noise Element and Kern County Zoning Ordinance, and Article 4, Noise and Vibration, of California City's Municipal Code. Thus, further analysis of ambient noise levels and the project's potential impact on those levels will be included in the EIR.

- (d) The southern portion of the project site is located within an area covered by the Kern County ALUCP. The southern portion of Site 2, within California City, is located immediately north of the California City Municipal Airport. Specifically, the project site is located in "Compatibility Zone B1 – Approach/Departure Zone and Adjacent to Runway" (APN No. 302-020-08) and "Compatibility Zone C – Common Traffic Pattern" (APN No. 302-020-08, -09, -11, -14, -15, -16, -17, -18, and 302-470-14). According to Table 2A – Compatibility Criteria of the Kern County ALUCP, Compatibility Zone B1 is subject to substantial noise levels and Compatibility Zone C is subject to frequent noise intrusion. Noise from occasional aircraft flyovers would not have a significant effect on the small workforce on-site, who would normally be working indoors, except when outdoor maintenance or repair activities are required. The proposed solar farm would not generate any impacts that could worsen the levels of aircraft noise. However, further analysis of this issue will be provided in the EIR.



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| <b>XIV. Population and Housing</b>  |                                      |  |                                    |                                     |
| Would the project:  |                                      |  |                                    |                                     |
| a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |
| b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |

**RESPONSES:**

- (a) Although the proposed project would provide new employment consistent with the adopted Kern County and California City General Plan goals, plans, and policies, long-term employment opportunities would be minimal.

It is estimated that up to 1,000 workers per day (during peak construction periods) would be required during construction of the proposed project. The entire construction process is estimated to take 12 to 18 months. Construction workers are expected to travel to the site from various local communities and locations throughout Southern California, and few, if any workers expected to relocate to the surrounding area because of these temporary jobs. If temporary housing should be necessary, it is expected that accommodations (i.e., extended stay hotels, apartments, RV parks, homes for rent or sale) would be available in the nearby communities of Mojave, California City, Rosamond, Tehachapi, or Lancaster. Therefore, the project is not anticipated to directly or indirectly induce the development of any new housing or businesses.

During the operational phase, the project would have approximately 20 full-time equivalent (FTE) personnel, who would commute to the site. Due to the small number of full-time employees, it is anticipated that the local housing stock would be adequate to accommodate operations personnel should they relocate to the area, without requiring the need for the construction of new housing. The project would not directly or indirectly induce substantial unplanned population growth and further analysis in the EIR is not warranted.

- (b) The project site is currently undeveloped and does not contain any existing housing units. The proposed project would therefore not displace any existing people or housing, necessitating the construction of replacement housing elsewhere. No further evaluation of this topic is required in the EIR.



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| <b>XV. Public Services</b>  |                                      |  |                                    |                                     |
| Would the project:  |                                      |  |                                    |                                     |
| a. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or to other performance objectives for any of the public services: |                                      |  |                                    |                                     |
| i. Fire protection?   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/>            |
| ii. Police protection?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/>            |
| iii. Schools?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |
| iv. Parks?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |
| v. Other public facilities?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |

**RESPONSES:**

(a)(i) **Fire Protection.** The Kern County Fire Department and California City Fire Department provides fire suppression and emergency medical services to the project area. The portion of the project site located within unincorporated Kern County would be served by Station #14 located at 1773-1999 Mojave-Barstow Highway in Mojave. The portion of the project site located within California City would be served by Station #85, located at 20890 Hacienda Boulevard in California City. Given the location of the project in the rural environment and the fire departments' obligation to respond to construction site or structural fires in their jurisdiction, the project may have the potential to affect fire-fighting capacity, which might result in a need for additional firefighting personnel and facilities in the area. Therefore, the potential impact on fire services from construction and operation of the project is considered potentially significant and will be further evaluated in the EIR.

(a)(ii) **Police Protection.** Law enforcement and public safety services in the project area are provided by the Kern County Sheriff's Department and California City Police Department. The portion of the project site located within unincorporated Kern County would be served by the Mojave Substation located at 1771 Highway 58. The portion of the project site located within California City would be served by the station located at 21130 Hacienda Boulevard. On-site security measures (i.e., on-site monitoring equipment, gated access, motion sensor lighting) would be provided and access to the project site during construction and operation would be restricted, thereby minimizing the need for local Sheriff surveillance. Nonetheless, the proposed project's impacts on sheriff and police services are considered potentially significant and will be evaluated in the EIR.



- (a)(iii) **Schools.** During project construction, a relatively large number of construction workers would be required. It is expected that most of these workers would live in the broader region and commute to the project site from surrounding communities where their children are already enrolled in school and where their contribution to local taxes, including funds for schools, is assessed locally. The proposed project would not require employees or their children to relocate to the project area. Therefore, substantial temporary increases in population that would adversely affect local school populations are not expected. Likewise, the operational workforce is small (approximately 20 full-time positions) and not expected to generate a permanent increase in population that would impact school populations. Therefore, no significant impacts to schools are anticipated to occur and further analysis is not warranted in the EIR.
- (a)(iv) **Parks.** The population increase that would be experienced during the construction phase of the proposed project would be temporary and limited to construction workers at the project site and would not result in additional demand for parks or other recreational facilities. The up to 20 full-time workers would not result in construction of numerous new housing units that could significantly increase the local population and related demand for public parkland. Therefore, no significant impacts to parks are anticipated to occur, and further analysis of this issue is not warranted in the EIR.
- (a)(v) **Other Public Facilities.** During project construction, a relatively large number of construction workers would be required. However, it is expected that most of these workers would commute to the project site from surrounding communities. Therefore, this temporary population would not adversely affect local public facilities, such as post office, courthouse, and library services.

Likewise, the operational workforce for the project is anticipated to be an estimated 20 persons on a daily basis and would not generate a permanent increase in population that would impact other public facilities. The proposed project would not require the appreciable use of other public facilities—such as libraries, courts, or other Kern County or California City services—that would result in a significant impact. Therefore, no significant impacts to other public facilities are anticipated to occur, and further analysis of this issue is not warranted in the EIR.



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| <b>XVI. Recreation</b>   |                                      |  |                                    |                                     |
| Would the project:   |                                      |  |                                    |                                     |
| a. Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |
| b. Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?                        | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input checked="" type="checkbox"/> |

**RESPONSES:**

- (a) It is estimated that up to 1,000 workers per day (during peak construction periods) would be required during construction of the proposed project. These workers would not have time to visit any local parks or recreation facilities during the workday. Further, few workers are expected to relocate to this area temporarily while the construction is underway and there would be little or no impact on local recreational resources after work hours.

Operation of the project would require employees for maintenance and monitoring activities, but they would likely be drawn from the local or sub-regional labor force and would commute from their existing permanent residences to the project site during those times. However, even if the maintenance/monitoring employees were hired from out of the area and relocated to eastern Kern County, the resulting addition of families to this area would be small in number and would not result in a substantial increase in the number of users at local parks. As a result, there would not be a detectable increase in the use of parks or other recreational facilities. Adverse impacts would not occur, and further analysis is not warranted in the EIR.

- (b) The proposed project does not include or require the construction of new or expansion of existing recreational facilities, and there are no recreational facilities on the project site that would be affected. No impact would result and no further analysis in the EIR is warranted.



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| <b>XVII. Transportation and Traffic</b>  |                                      |  |                                     |                          |
| Would the project:   |                                      |  |                                     |                          |
| a. Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?        | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| b. Conflict or be inconsistent with CEQA Guidelines Section 15064.3 subdivision (b)?   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Result in inadequate emergency access?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

#### RESPONSES:

- (a). The project proponent is requesting a General Plan Amendment to amend the Circulation Element of the Kern County General Plan to remove sections and midsection line road reservations. This would have no effect on the performance of the roadway network, since there are no existing roadways along any of these sections and midsection line road reservations. California City will determine what section and mid-section line road reservations to be preserved and what ones will be removed during the CUP process (Sec. 9-2-2501 of the California City Municipal Code).

There are no dedicated pedestrian or bicycle facilities in the immediate vicinity of the project site or along the surrounding roadways. Due to the rural nature of the project area, pedestrian and bicycle traffic is limited. The project is not located along an existing bus route and few bus stops exist on the roadways likely to be used during construction and operation. The project would not house residents or employees, and therefore, would not have characteristics that would influence alternative means of transportation. Therefore, impacts in this regard would be less than significant.

It is estimated that up to 1,000 workers per day (during peak construction periods) would be required during the construction of the proposed project. An undetermined volume of large truck trips would also be generated, with varying numbers depending on the phase of construction. Further analysis in the EIR is required to determine whether construction traffic could disrupt normal traffic flows or otherwise conflict with the County's roadway performance policies and programs.

Once constructed, the solar facility would have approximately 20 full-time employees, with daylight and overnight shifts. This equates to approximately 50 trips per day for the full facility based on an average trip rate of 2.5 trips per employee. It is anticipated that employees would drive themselves to/from the project site on a daily basis using local roadways that can accommodate such vehicle traffic. Ongoing maintenance and periodic repair are also anticipated to produce negligible results in



terms of traffic impact. These potential impacts on the local roadway system from construction related vehicle trips and project's operational traffic on the area roadway system will be further evaluated in the EIR.

- (b) CEQA Guidelines section 15064.3, subdivision (b) was adopted in December 2018 by the California Natural Resources Agency. These revisions to the CEQA Guidelines criteria for determining the significance of transportation impacts are primarily focused on projects within transit priority areas, and shifts the focus from driver delay to reduction of vehicular greenhouse gas emissions through creation of multimodal networks, and creation of a mix of land uses that can facilitate fewer and shorter vehicle trips. Vehicle miles traveled (VMT) is a measure of the total number of miles driven for various purposes and is sometimes expressed as an average per trip or per person. Construction traffic would be temporary and would not permanently affect VMT characteristics in this part of Kern County or elsewhere. Long-term, operational traffic would be limited, with a small work force of approximately 20 full-time equivalent employees, translating into approximately 50 trips per day. It is not known where the employees would live or how long their commuting trips would be. According to technical guidance issued by the Office of Planning and Research, projects generating less than 110 or fewer daily vehicle trips may be presumed to have a less than significant impact involving VMT. Further analysis of the operational VMT characteristics of the project is required to determine whether the project is considered a "low-VMT" project due to small daily traffic volumes alone, or whether more extensive analysis is warranted. An assessment of the project's VMT characteristics will be provided in the EIR.
- (c) The project proposes access from existing roads that currently provide access to the various parcels affected. During construction, especially during peak periods of heavy truck traffic and peak levels of construction workers, there is a potential for conflicts between construction traffic and normal traffic flows, especially at intersections where queuing could occur. This requires further analysis in the EIR. Beyond maintenance to existing roads, driveway, and related access improvements; no off-site roadway improvements are required for the solar PV fields. Proposed driveway connections to existing roadways are being evaluated and will be identified in the EIR. No new roadway design or features (i.e., sharp curves, dangerous intersections, or other hazardous features) would be required that could result in transportation-related hazards or safety concerns. All new driveways connecting to existing adjacent streets must be designed in accordance with the County and City street standards that assure safe ingress/egress. The project buildings and other structures would be set back from adjacent access roadways as required by the Kern County and California City Zoning Ordinance. Given these considerations, significant impacts related to increased hazards are not anticipated to occur, and further analysis of the specific access design features and geometries is not warranted.
- (d) The project site and vicinity are accessible via a number of existing roads, with alternative access roads allowing convenient access in the event of an emergency. Emergency vehicle access must be maintained at all times throughout construction activities, in accordance with the County's and City's routine/standard construction specifications. County and City building inspectors would conduct periodic site inspections to confirm there are adequate provisions in place to maintain emergency access for fire, emergency medical and Sheriff response units. Further, construction activities would not be permitted to impede emergency access to any local roadways or surrounding properties.

Operations of the project would not adversely affect emergency access as the number of daily trips would have a minimal effect on traffic volumes and overrides of project site access gates for emergency access to the facility would be installed. Although no significant impacts related to emergency access are anticipated to occur, further analysis of this issue will be provided in the EIR.





|  | Potentially<br>Significant<br>Impact | Less than<br>Significant<br>with<br>Mitigation<br>Incorporated | Less-than<br>Significant<br>Impact | No<br>Impact             |
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| <b>XVIII. Tribal Cultural Resources</b>  |                                      |  |                                    |                          |
| Would the project:   |                                      |  |                                    |                          |
| a. Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:                           |                                      |  |                                    |                          |
| i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register or historical resources as defined in Public Resources Code section 5020.1(k), or   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |
| ii. A resource determined by the lead agency in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe. | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |

**RESPONSES:**

(ai, aii) The proposed project has the potential to impact presently unknown surface or subsurface tribal cultural resources during site clearance and earthmoving activities. A cultural survey will be conducted for the proposed project. All tribes with possible cultural affiliation and interest within the project area were notified pursuant to Assembly Bill 52 and consultation with the potentially affected tribes will occur, as appropriate, between the County, the City of California City, and the tribes. Further evaluation in the EIR is warranted to identify potential impacts to tribal cultural resources and to formulate avoidance or mitigation measures, if applicable.



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|--|--------------------------------------|--|-------------------------------------|-------------------------------------|
| <b>XIX. Utilities and Service Systems</b>  |                                      |  |                                     |                                     |
| Would the project:   |                                      |  |                                     |                                     |
| a. Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects? | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?  | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| c. Result in a determination by the wastewater treatment provider that serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| e. Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**RESPONSES:**

- (a) **Wastewater Facilities.** The project would generate a minimal volume of wastewater during construction. During construction activities, wastewater would be contained within portable toilet facilities and disposed of at an approved site. During operations, wastewater generated by the project would be disposed on-site by a septic system associated with any O&M facilities. Soil suitability for a septic tank leach field and any related environmental impacts will be addressed in the response to the topic of Geology and Soils, threshold e). The proposed project would not require or result in the relocation or construction of new or expanded municipal wastewater facilities. Further analysis of impacts to wastewater facilities will be provided in the EIR.

**Storm Water Facilities.** The proposed project does not require expanded or new municipal storm drainage facilities because there are no municipal drainage facilities within or adjacent to any sites and the proposed solar facility would not generate a significant increase in the amount of impervious surfaces that would increase runoff during storm events. Water from solar panel washing would continue to percolate through the ground, as a majority of the surfaces within the project site would



remain pervious. Any storm drainage/detention facilities that may be required would be minor in scale and located within the project site. Potential impacts from such facilities will be addressed in the response to the topic of Hydrology and Water Quality, threshold c). Impacts are considered to be less than significant; however, further analysis in the EIR will be provided.

**Water Facilities.** The proposed project is not anticipated to result in a significant increase in water demand/use; however, water will be needed for solar panel washing and dust suppression. Water is anticipated to be obtained from on-site wells, which might require installation of a water treatment system. No municipal water supply or distribution infrastructure would be built or impacted. Potential impacts to groundwater resources resulting from on-site well production will be addressed in the response to the topic of Hydrology and Water Quality, threshold b). Alternatively, water may be obtained from one or more off-site source(s) and delivered to the project site via truck. If off-site water is trucked in, it would likely be obtained from one of the nearby Springbok projects, the Eland Project, or from a commercial source. In that case, there would be no impact involving construction or relocation of any water infrastructure. Impacts would be potentially significant and further analysis in the EIR is warranted.

**Power, Natural Gas, and Telecommunication Facilities.** The proposed project would involve construction of a PV solar facility that would generate electrical energy that would be transmitted via new overhead or underground lines to the regional electrical energy supply grid. Analyses of various environmental effects associated with construction and operation of these facilities will be provided throughout the EIR, with respect to numerous topics. There may be on-site telecommunications facilities to facilitate collection and transmission of meteorological data and data regarding performance of the solar arrays. Impacts associated with construction of the telecommunications and transmission line facilities will be evaluated in the EIR. The proposed project would not use natural gas. The proposed project would not otherwise generate the demand for or require or result in the relocation or construction of new or expanded electric power, natural gas, or telecommunications facilities that would in turn, result in a significant impact to the environment. Impacts are considered to be less than significant; however, further analysis in the EIR will be provided.

- (b) Water demand for panel washing and O&M domestic use is not expected to exceed 50 acre-feet per year. Water usage during construction, primarily for dust-suppression purposes, is not expected to exceed 400 acre-feet. Water is anticipated to be obtained from on-site wells. Alternatively, water may be obtained from one or more off-site source(s) and delivered to the project site via truck. If off-site water is used, it would likely be obtained from one of the nearby Springbok projects, the Eland Project, or from a commercial source. A water supply assessment will be completed for the project to analyze potential impacts to water supplies. This potentially significant impact will be addressed further in the EIR.
- (c) As stated above, portable toilets would provide for wastewater disposal during project construction and no connection to a public system for wastewater treatment would be required. Due to the limited number of employees for project operations, the project would not generate a substantial amount of wastewater. The proposed project would include construction of an on-site septic system to serve each of the O&M facilities. All wastewater disposal for project operations would be handled on-site. Therefore, the project would not adversely affect any existing wastewater treatment facilities. Impacts would be less than significant and further analysis of this issue is not warranted in the EIR.



- (d) The proposed project is not expected to generate a significant amount of solid wastes that would exceed the capacity of local landfills. Materials brought to the project site would be used to construct facilities, and few residual materials are expected. Non-hazardous construction refuse and solid waste would be either collected and recycled per the Construction Waste Management Plan or disposed of at a local Class III landfill, while any hazardous waste generated during construction would be disposed of at an approved off-site location. The closest Class III municipal landfill is the Mojave-Rosamond Recycling and Sanitary Landfill, located approximately 13 miles southwest from the project site. As of 2013, the Mojave-Rosamond Recycling and Sanitary Landfill has a remaining capacity of 76,310,297 cubic yards, with an anticipated closure date of 2123 (CalRecycle 2020). Although it is not anticipated that the amount of solid waste generated by the proposed project would exceed the capacity of local landfills needed to accommodate the waste, further analysis of this issue will be included in the EIR to ensure the project meets state and local waste reduction goals.
- (e) The proposed project would generate solid waste during construction, operation, and decommissioning, thus requiring the consideration of waste reduction and recycling measures. The 1989 California Integrated Waste Management Act (AB 939) requires Kern County to attain specific waste diversion goals. In addition, the California Solid Waste Reuse and Recycling Access Act of 1991, as amended, requires expanded or new development projects to incorporate storage areas for recycling bins into the proposed project design. The proposed project would be required to comply with the 1989 California Integrated Waste Management Act and the 1991 California Solid Waste Reuse and Recycling Access Act of 1991. Further analysis of the pertinent solid waste reduction and management regulations applicable to this project will be included in the EIR.



|  | Potentially<br>Significant<br>Impact | Less than<br>Significant<br>with<br>Mitigation<br>Incorporated | Less-than<br>Significant<br>Impact  | No<br>Impact             |
|--|--------------------------------------|--|-------------------------------------|--------------------------|
| <b>XX. Wildfire</b>  |                                      |  |                                     |                          |
| If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:   |                                      |  |                                     |                          |
| a. Substantially impair an adopted emergency response plan or emergency evacuation plan?   | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment? | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?  | <input type="checkbox"/>             | <input type="checkbox"/>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

#### RESPONSES:

- (a) According to the Fire Hazard Severity Zones map published by the California Department of Forestry and Fire Protection (CalFire), the project site is not located within or near state responsibility areas or lands classified as very high fire hazard severity zones (VHFSZ). The nearest VHFSZ is located more than three miles away from the project site (CalFire 2020). The project site is classified as Local Responsibility Area (LRA) Moderate; thus, the potential for wildfire on the project site exists, but is not considered high and is not anticipated to physically impede the existing emergency response plans, emergency vehicle access, or emergency personnel access to the site (CalFire 2007). The project site is not identified for any purpose in an adopted emergency evacuation plan to address wildfires or other types of emergencies (Kern County 2012b). The project site is not located along an identified emergency evacuation route and roads reservations proposed to be abandoned are not identified in any adopted emergency evacuation plan pertaining to wildfire hazards. There are multiple existing local roadways adjacent to the project sites that lead to primary emergency evacuation routes, such as SR 14. In compliance with applicable Fire Code and Building Code requirements, construction and maintenance/operations managers and personnel would be trained in fire prevention and emergency response. Fire suppression equipment specific to construction would be maintained on the project site. Additionally, project construction and maintenance/operations would comply with applicable existing codes and ordinances related to the maintenance of mechanical equipment, handling and storage of flammable materials, and cleanup of spills of



flammable materials. Therefore, the project would not conflict with the implementation of, or physical interference with, an adopted emergency response plan or emergency evacuation plan and impacts would be less than significant. Nevertheless, further analysis will be conducted in the EIR.

- (b) Slope and wind can influence the rate at which wildfire spreads. Given the project site's generally flat topography, the proposed project is not anticipated to expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire due to sloping topography. Further analysis of prevailing winds is required to determine if there are periodic high winds that could influence the spreading and velocity of wildfires. Adherence to applicable regulations would reduce wildfire ignitions and prevent the spread of wildfires. The project proponent/operator would be required to develop and implement a Fire Safety Plan that contains notification procedures and emergency fire precautions consistent with the 2019 California Fire Code and Kern County Fire Code for use during construction, operation and decommissioning. However, as the project would have the potential to expose occupants (i.e., at the O&M facilities) to pollutant concentrations from a wildfire or the uncontrolled spread of wildfire due to prevailing winds or other factors, further analysis will be conducted in the EIR.
- (c) The proposed project involves the development of a solar energy generation and storage facility, which would include the construction of, inverters, roads, and an energy storage facility. The project site vegetation would be removed as necessary, which would reduce ignition sources. Due to the presence of electrical equipment and battery storage on site, however, the proposed project has the potential for accidental fires from this equipment, which could exacerbate wildfire risk. This will be further evaluated in the EIR.
- (d) The project site is not considered to be a high risk area for landslides as it is relatively flat and is not anticipated to be subject to post-fire slope instability, or drainage changes that would expose people or structures to significant risks in a post-wildfire burned landscape condition. Therefore, this impact will not be further analyzed in the EIR.



|   | Potentially<br>Significant<br>Impact | Less than<br>Significant<br>with<br>Mitigation<br>Incorporated | Less-than<br>Significant<br>Impact | No<br>Impact             |
|---|--------------------------------------|--|------------------------------------|--------------------------|
| <b>XXI. Mandatory Findings of Significance</b>  |                                      |  |                                    |                          |
| a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory? | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |
| b. Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |
| c. Does the project have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>                                       | <input type="checkbox"/>           | <input type="checkbox"/> |

**RESPONSES:**

- (a) The EIR’s biological, cultural, and tribal cultural resources sections will discuss specific project impacts on plants and wildlife, including avian species, and impacts to cultural and tribal cultural resources. The document will also propose mitigation that will reduce the impacts to less than significant levels, where feasible.
- (b) The project has the potential to contribute to cumulatively considerable construction impacts involving noise, air emissions, and traffic, if other planned/approved solar projects in the vicinity are under construction at the same time. The project could also contribute to cumulatively considerable permanent impacts involving aesthetics, air quality, biological resources, cultural resources, tribal cultural resources, greenhouse gas emissions, traffic, and wildfire. The EIR will evaluate the project’s contribution to cumulative impacts in these and possibly other areas.
- (c) The proposed project would not result in the long-term generation of any hazardous air emissions or noise sources that would adversely affect nearby sensitive receptors. The solar farm would not include any kinds of industrial processes or equipment that would generate hazardous substances or wastes that would threaten the well-being of people on or off-site. However, short-term construction activities could result in temporary increases in pollutant concentrations and potentially significant





off-site noise impacts. Pollutants of primary concern commonly associated with construction-related activities include toxic air contaminants, gaseous emissions of criteria pollutants, and fugitive dust. Within the project area, the potential for increased occurrences of Valley Fever and exacerbated health issues related to COVID-19 is also of concern. Human health impacts from the short-term cumulative contribution to air quality impacts from project construction will be further evaluated in the EIR.



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