

Lorelei H. Oviatt, AICP, Director  
2700 "M" Street, Suite 350  
Bakersfield, CA 93301-2323  
Phone: (661) 862-8800  
Fax: (661) 862-8801 TTY Relay 1-800-735-2929  
Email: [dsa@co.kern.ca.us](mailto:dsa@co.kern.ca.us)  
Web Address: <http://pcd.kernds.com/>



**PLANNING AND NATURAL  
RESOURCES DEPARTMENT**

Planning  
Community Development  
Administrative Operations

**NOTICE OF PREPARATION**

**DATE:** July 30, 2019

**To:** See Attached Mailing List

**FROM:** Kern County Planning and Natural  
Resources Department  
Attn: Carlos E. Rojas  
2700 "M" Street, Suite 100  
Bakersfield, CA 93301  
(661) 862-5015; [CRojas@kerncounty.com](mailto:CRojas@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 15050) has required that an Environmental Impact Report (EIR) (per CEQA Guidelines Section 15161) be prepared for the 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.

Due to the limits mandated by State law, your response must be received by **August 30, 2019 at 5pm.** In addition, comments can be submitted at a **scoping meeting** that will be held at the Kern County Planning and Natural Resources Department on **August 16, 2019 at 1:30pm** at the address shown above.

**PROJECT TITLE:** BigBeau Solar, LLC/EDF Renewables Development, Inc. (PP19161); GPA 4, Map 215; SPA 32, Map 232; ZCC 13, Map 215; ZCC 44, Map 232; CUP 13, Map 215; CUP 41, Map 232; CUP 14, Map 215; CUP 42, Map 232; CUP 15, Map 215; CUP 43, Map 215.

**PROJECT LOCATION:** The project site is located generally west of the unincorporated community of Willow Springs in southcentral Kern County, California. The project site is generally bound by Avenue of the Stars to the South, the intersection of 125<sup>th</sup> Street and Champagne Avenue to the north, 135<sup>th</sup> Street West to the west and 105<sup>th</sup> Street West to the east. The site is located in: Sections 27, 34 and 35 of Township 10 North, Range 14 West & Section 2, 3, 4, 9 and 10 of Township 9 North, and Range 14 West in the East San Bernardino Base and Meridian (SBB&M), County of Kern, State of CA.

**PROJECT DESCRIPTION:** BigBeau Solar, LLC by EDF Renewables (project proponent), is a proposed photovoltaic electrical generating facility with capacity to generate up to 128 megawatt hours (MW) of renewable electrical energy and store up to 60 MW energy in a Battery Storage System (BESS). The proposed project is situated on approximately 2,290 acres of privately owned land and 160 acres of land owned by the California State Lands Commission.

Implementation of the project as proposed would include: (a) two changes in zone classification from the existing zone district PLS RS FPS (Platted Lands-Residential Suburban Combining-Floodplain Secondary Combining) to A FPS (Exclusive Agriculture) on 66 acres of the project site within zoning Map 215, for portions of the project site within zoning Map 232 from the existing zone district: E (10) RS FPS (Estate) to A FPS on 459.4 acres, E (10) RS GH FPS (Geological Hazard Combining) to A GH FPS on 2.7, E (10) RS MH FPS (Mobilehome Combining) to A FPS on 10.1 acres, E (2 ½) RS FPS to A FPS on 110.9 acres, E (20) RS FPS to A FPS on 633.3 acres, E (20) RS GH FPS to A GH FPS on 9.6 acres, E (5) RS FPS to A FPS on 80.6 acres; (b) Conditional Use Permits to allow for the construction and operation of 128 MW photovoltaic electrical generating facility with up to 60 MW of BESS (Section 19.12.030.G) in an A District; (c) Conditional Use Permit to allow the operation of batch plant (19.12.030.G) in an A District; (d) a Conditional Use Permit for a construction microwave tower (19.12.030.F) in the A zone district; (e) Amendment to the

Circulation Element of the Kern County General Plan to remove sections and midsection line road reservations, as follow: the east half of the Section line between Section 27, T10N, R14W and Section 34, T10N, R14W; the Section line between Section 34, T10N, R14W and Section 3, T9N, R14W; the south half of the Section line between Section 34, T10N, R14W and Section 35, T10N, R14W; the Section line between Section 35, T10N, R14W and Section 2, T9N, R14W; the south half of the north-south mid-section line Section 35, T10N, R14W; (f) Amendment to the Willow Spring Specific Plan to remove sections and midsection line road reservations, as follow: the Section line between Section 4, T9N, R14W and Section 3, T9N, R14W; the north half of the Section line between Section 9, T9N, R14W and Section 10, T9N and R14W; the north half of the north half of the north-south mid-section line of Section 3, T9N, R14W; the north half of the of the north-south mid-section line of Section 10, T9N, R14W; the north half of the north half of the Section line between Section 3, T9N, R14W and Section 2, T9N, R14W; the north half of the north-south mid-section line of Section 2, T9N, R14W (g) vacation of existing public access easements on the project site. The project would be supported by a 220-kV overhead transmission corridor. The project's permanent facilities would include, PV panels, BESS, fencing, a meteorological station, microwave/communication tower, service roads, a power collection system, communication cables, overhead and underground transmission lines, electrical switchyards, project substations, and operations and maintenance facilities.

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

Signature: \_\_\_\_\_



Name: Carlos E. Rojas, Planner III

GPA 4; ZC 13; CUP 13, Map 215  
(EIR 02-19) WO#PP19161  
I:\Planning\WORKGRPS\WP\LABELS\er02-19cer.EDFRenewable.doc  
es 07/16/19

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, Sustainability Office  
412 TW/XPO, Bldg 2750, Rm 204-38  
195 East Popson Avenue  
Edwards AFB, CA 93524

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

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

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

U.S. Postal Service  
Address Management Systems  
28201 Franklin Parkway  
Santa Clarita, CA 91383-9321

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

Sheppard Mullin  
Attn: Kendra Joy Casper  
333 South Hope Street  
Los Angeles, CA 90071

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

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

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

State Dept of Conservation  
Division of Oil & Gas  
4800 Stockdale Highway, Ste 108  
Bakersfield, CA 93309

State Dept of Conservation  
Office of Land Conservation  
801 "K" Street, MS 18-01  
Sacramento, CA 95814

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

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

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

State Water Resources Control Board  
Division of Drinking Water  
Attn: Jesse Dhaliwal, Sr. Sanitary Eng  
4925 Commerce Drive, Suite 120  
Bakersfield, CA 93309

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

CalRecycle  
Dept of Resources, Recycling, and  
Recovery  
1001 "I" Street  
Sacramento, CA 95812

Kern County  
Agriculture Department

Kern County Administrative Officer

Kern County Public Works Department/  
Building & Development/Floodplain

Kern County Public Works Department/  
Building & Development/Survey

Kern County  
Env Health Services Department

Kern County Fire Dept  
David Witt, Interim Fire Chief

Kern County Fire Dept  
Cary Wright, Fire Marshall

Kern County Library/Beale  
Local History Room

Kern County Library/Beale  
Andie Sullivan

Kern County Library  
Wanda Kirk/Rosamond Branch  
3611 Rosamond Boulevard  
Rosamond, CA 93560

Kern County Parks & Recreation

Kern County Sheriff's Dept  
Administration

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

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

Rosamond Municipal Advisory Council  
P.O. Box 626  
Rosamond, CA 93560

Mojave Town Council  
Bill Deaver, President  
P.O. Box 1113  
Mojave, CA 93502-1113

Southern Kern Unified School Dist  
P.O. Box CC  
Rosamond, CA 93560

Kern County Superintendent of Schools  
Attention Mary Baker  
1300 17th Street  
Bakersfield, CA 93301

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

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

East Kern Air Pollution  
Control District

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

AT&T California  
OSP Engineering/Right-of-Way  
4540 California Avenue, 4th Floor  
Bakersfield, CA 93309

Kern Audubon Society  
Attn: Harry Love, President  
13500 Powder River Avenue  
Bakersfield, CA 93314

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

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

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

Mojave Chamber of Commerce  
P.O. Box 935  
Mojave, CA 93502

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

Beth Boyst  
Pacific Crest Trail Program Manager  
1323 Club Drive  
Vallejo, CA 94592

Anitra Kass  
Pacific Crest Trail Association  
41860 Saint Annes Bay Drive  
Bermuda Dunes, CA 92203

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

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

Fairmont Town Council  
Attn: Barbara Rogers  
P.O. Box 2320  
Rosamond, CA 93560

Janice Armstrong  
24121 Rand Court  
Tehachapi, CA 93561

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

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

Nature Conservancy West Reg Office  
201 Mission Street, 4th Floor  
San Francisco, CA 94105

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

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  
Attn: Rick Neff  
13860 Ballantyne Corporate Place  
Suite 300  
Charlotte, NC 28277

Lozeau Drury LLP  
1939 Harrison Street., Suite 150  
Oakland, CA 94612

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  
437 Madison Ave., Suite A  
New York, NY 10022

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  
353 Sacramento Street, 21st Floor  
San Francisco, CA 94111

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

David Walsh  
22941 Banducci Road  
Tehachapi, CA 93561

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

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

Southern California Edison  
P.O. Box 410  
Long Beach, CA 90801

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

Antelope Valley Resource Cons Dist  
44811 Date Avenue, #G  
Lancaster, CA 93534-3136

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:** July 30, 2019

**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

**RE:** Notice of Preparation of an Environmental Impact Report – BigBeau Solar, LLC/EDF  
Renewables Development, Inc. (PP19161)

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 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 Notice of Preparation (NOP) prepared for this project is available for viewing at the following Kern County website: <https://kernplanning.com/planning/notices-of-preparation/>. The NOP is also available for review at the Planning and Natural Resources Department, located at 2700 "M" Street, Suite 100, Bakersfield, CA 93301. The purpose of the 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 project should you wish to do so. Due to the limits mandated by State law, your response must be received by **August 30, 2019 at 5pm**. Your comments can also be submitted at a scoping meeting that will be held at the Kern County Planning and Natural Resources Department on **August 16, 2019 at 1:30pm** at the address shown above.

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:** BigBeau Solar, LLC/EDF Renewables Development, Inc. (PP19161); GPA 4, MAP 215; SPA 32, MAP 232; ZCC 13, MAP 215; ZCC 44, MAP 232; CUP 13, MAP 215; CUP 41, MAP 232; CUP 14, MAP 215; CUP 42, MAP 232; CUP 15, MAP 215; CUP 43, MAP 215.

**PROJECT LOCATION:** The project site is located generally west of the unincorporated community of Willow Springs in southcentral Kern County, California. The project site is generally bound by Avenue of the Stars to the South, the intersection of 125<sup>th</sup> Street and Champagne Avenue to the north, 135<sup>th</sup> Street West to the west and 105<sup>th</sup> Street West to the east. The site is located in: Sections 27, 34 and 35 of Township 10 North, Range 14 West & Section 2, 3, 4, 9 and 10 of Township 9 North, and Range 14 West in the East San Bernardino Base and Meridian (SBB&M), County of Kern, State of CA.



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Implementation of the project as proposed would include: **(a)** two changes in zone classification from the existing zone district PLS RS FPS (Platted Lands-Residential Suburban Combining-Floodplain Secondary Combining) to A FPS (Exclusive Agriculture) on 66 acres of the project site within zoning Map 215, for portions of the project site within zoning Map 232 from the existing zone district: E (10) RS FPS (Estate) to A FPS on 459.4 acres, E (10) RS GH FPS (Geological Hazard Combining) to A GH FPS on 2.7, E (10) RS MH FPS (Mobilehome Combining) to A FPS on 10.1 acres, E (2 ½) RS FPS to A FPS on 110.9 acres, E (20) RS FPS to A FPS on 633.3 acres, E (20) RS GH FPS to A GH FPS on 9.6 acres, E (5) RS FPS to A FPS on 80.6 acres; **(b)** Conditional Use Permits to allow for the construction and operation of 128 MW photovoltaic electrical generating facility with up to 60 MW of BESS (Section 19.12.030.G) in an A District; **(c)** Conditional Use Permit to allow the operation of batch plant (19.12.030.G) in an A District; **(d)** a Conditional Use Permit for a construction microwave tower (19.12.030.F) in the A zone district; **(e)** Amendment to the Circulation Element of the Kern County General Plan to remove sections and midsection line road reservations, as follow: the east half of the Section line between Section 27, T10N, R14W and Section 34, T10N, R14W; the Section line between Section 34, T10N, R14W and Section 3, T9N, R14W; the south half of the Section line between Section 34, T10N, R14W and Section 35, T10N, R14W; the Section line between Section 35, T10N, R14W and Section 2, T9N, R14W; the south half of the north-south mid-section line Section 35, T10N, R14W; **(f)** Amendment to the Willow Spring Specific Plan to remove sections and midsection line road reservations, as follow: the Section line between Section 4, T9N, R14W and Section 3, T9N, R14W; the north half of the Section line between Section 9, T9N, R14W and Section 10, T9N and R14W; the north half of the north half of the north-south mid-section line of Section 3, T9N, R14W; the north half of the of the north-south mid-section line of Section 10, T9N, R14W; the north half of the north half of the Section line between Section 3, T9N, R14W and Section 2, T9N, R14W; the north half of the north-south mid-section line of Section 2, T9N, R14W **(g)** vacation of existing public access easements on the project site. The project would be supported by a 220-kV overhead transmission corridor. The project's permanent facilities would include, PV panels, BESS, fencing, a meteorological station, microwave/communication tower, service roads, a power collection system, communication cables, overhead and underground transmission lines, electrical switchyards, project substations, and operations and maintenance facilities.

Should you have any questions regarding this project, or the Notice of Preparation, please feel free to contact me at (661) 862-5015 or CROjas@kerncounty.com

Sincerely,

Carlos Rojas, Planner III  
Advanced Planning Division

Attachment: Vicinity Map showing project boundary

GPA 4; ZC 13; CUP 13, Map 215  
(EIR 02-19) WO #PP19161  
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01-29cer.EDFRenewables.docx  
es 07/16/19

358 081 17 00 9  
ACOSTA JOSE ANTONIO  
PO BOX 612530  
SAN JOSE CA 95161-2530

358 102 22 00 5  
AGUILAR LYNN MAGNO  
5328 SIGRID WY  
SAN JOSE CA 95123-1759

358 082 07 00 7  
ALAGALA SAMPATH K & LENITA Q  
1560 LINDA ROSA AV  
EAGLE ROCK CA 90041

358 141 36 00 1  
ALVEAR CLAUDIA K TRUST  
410 PASADENA CT APT N  
SAN CLEMENTE CA 92672-5490

358 111 13 00 5  
AMER ACTION FUND FOR BLIND  
CHILDREN & ADULTS  
1800 JOHNSON ST STE 100  
BALTIMORE MD 21230

358 091 07 00 3  
AMMANN CHARLES E TR  
5850 N GREENVIEW RD  
CALABASAS CA 91302

358 141 29 00 1  
ANDERSON CHARLES H & BAR  
2280 SOMERSET RIDGE DR U 101  
LEHIGH ACRES FL 33973-6084

474 120 46 00 4  
ANDERSON GARY D  
4126 S SUNCREST LN  
VERADALE WA 99037-9141

474 232 21 00 7  
ANDREONE DOMENIC TRUST  
4213 DUNDEE DR  
LOS ANGELES CA 90027

474 131 02 00 6  
APTAKER LAURIE TR  
PO BOX 3036  
BEVERLY HILLS CA 90212-0036

358 141 32 00 9  
ARELLANO ELIDIO & MA DE  
LOURDES H TRUST  
887 E ALVARADO ST APT D  
POMONA CA 91767-4987

358 141 31 00 6  
ARELLANO VICTOR JR  
10031 E AVENUE R8  
LITTLE ROCK CA 93543-1326

358 010 08 00 5  
ARMSTRONG ROBERT F  
5809 S CHARITON AV  
LOS ANGELES CA 90056

358 092 19 00 5  
ARUTUNIAN FAMILY TRUST  
6326 W 80TH PL  
LOS ANGELES CA 90045-1439

358 091 11 00 4  
AVENI ANTHONY JOSEPH & JANE  
CLAIRE FAMILY TR  
10231 LA CANADA WY  
SUNLAND CA 91040

474 232 07 00 7  
BACON BARBARA M FAMILY TRUST  
28128 PACIFIC COAST HY # 193  
MALIBU CA 90265

474 154 14 04 4  
BAHRAMIAN FRED  
458 CALLE DE ARAGON  
REDONDO BEACH CA 90277

474 131 12 00 5  
BAHRAMIAN FRED & BINA NICKIE  
458 CALLE DE ARAGON  
REDONDO BEACH CA 90277-6724

358 051 37 00 8  
BAILEY JOANNA  
10937 EL DORADO AV  
ROSAMOND CA 93560-7293

475 172 17 00 6  
BAKER GEORGE HENRY  
1345 HAWTHORN AV  
BOULDER CO 80304

474 232 30 00 3  
BAKER RUSSELL LEE  
4752 GREEN ST  
LOS ALAMITOS CA 90720

358 141 19 00 2  
BANDUCCI J & J  
1542 VIKING WY  
SOLVANG CA 93463

358 102 26 00 7  
BARCINAS JOSE C & RITA T  
P O BOX 6081  
MERIZO GU 96910

358 082 02 00 2  
BARCUS B B  
3232 S 164TH ST  
SEATAC WA 98188-3036

358 092 14 00 0  
BARGMANN VIVIAN JANE  
7421 LORDS LN SW  
OLYMPIA WA 98512

358 102 12 00 6  
BATES FAMILY REVOCABLE LIVING  
TRUST 1985  
12302 SPLIT RAIL PW  
AUSTIN TX 78750-1762

358 112 25 00 7  
BAUMAN PAUL  
1225 N CHEROKEE AV APT 206  
LOS ANGELES CA 90038-1335

358 061 19 00 9  
BEDRI IMADELDIN  
1550 BELLOMY ST # 4  
SANTA CLARA CA 95050

358 051 18 00 3  
BEEMAN HARRY LELAND  
4448 STUMBERG LN  
BATON ROUGE LA 70816-6523

358 051 38 00 1  
BENGSTON ERIC T & WESLEY  
DUSTIN  
PO BOX 56867  
SHERMAN OAKS CA 91413-1867

358 141 43 00 1  
BENLOULOU SAMY & CORINNE R TR  
PO BOX 15205  
NORTH HOLLYWOOD CA 91615-5205

358 061 13 00 1  
BENOIST LOU E TR  
350 CAROLINA AV APT 407D  
WINTER PARK FL 32789-3176

358 061 15 00 7  
BISCHETSRIEDER FAMILY REV TR  
455 PINEHURST CT  
FULLERTON CA 92835-2733

358 102 05 00 6  
BISCHETSRIEDER JON W  
3593 MEDINA RD  
MEDINA OH 44256-8182

475 172 14 00 7  
BLAIR SURVIVORS TRUST  
100 THORNDALE DR # 362  
SAN RAFAEL CA 94903-4523

474 232 34 00 5  
BLAKE BOBBY & THOMESINA E  
756 MAIN RD  
JOHNS ISLAND SC 29455-3418

358 240 08 00 2  
BLOOMFIELD FAMILY TRUST  
31514 RUSTIC OAK DR  
WESTLAKE VILLAG CA 91361-4757

358 101 20 00 2  
BLOOMFIELD PAUL C & SHARON L  
1643 COLBY DR  
FOREST VA 24551-2198

358 240 06 00 6  
BLOOMFIELD RONALD TRUST  
31514 RUSTIC OAK DR  
WESTLAKE VILLAG CA 91361-4757

474 120 11 00 2  
BLYDENBURG ALAN C & DEBRA L  
PO BOX 56867  
SHERMAN OAKS CA 91413-1867

358 360 16 00 0  
BOBADILLA JEREMY GEORGE &  
TING TING  
PO BOX 56867  
SHERMAN OAKS CA 91413-1867

358 081 09 00 6  
BORLAND JAMES A  
200 RUSSELL WOODS DR  
LYNCHBURG VA 24502-3574

358 360 03 00 2  
BOUTROS MAGED  
6334 W AVENUE J2  
LANCASTER CA 93534

475 190 21 00 9  
BOYER ROBERT P & NANCY J  
3397 SUGAR LEO RD  
ST GEORGE UT 84790

474 111 21 00 5  
BOYLE NORA LEE  
717 HOLTBY RD  
BAKERSFIELD CA 93304-1935

358 101 08 00 8  
BRANDEL CHARLES FELIX & CINDY  
LEE REV TR  
2057 W AVE M8  
PALMDALE CA 93551-1390

358 061 33 00 9  
BRIDGER ELAINE TR  
10609 NE 197TH ST  
BOTHELL WA 98011-2426

474 141 02 00 9  
BROKAW RICHARD & ALTAGRACIA  
14000 N 94TH ST U 2162  
SCOTTSDALE AZ 85260-7791

358 360 13 00 1  
BROWN LINDA  
23761 WAGON WHEEL CI  
ATHENS IL 62613

474 142 14 00 1  
BULBUK JOHN  
20 OLD KEENE RD  
ATHOL MA 01331

358 111 21 00 8  
BUNDALIAN RANDY B  
626 BOX COVE PL  
DIAMOND BAR CA 97765

358 081 12 00 4  
BURDULLIS JOSEPH E & CORINNE  
LIVING TR  
3633 BELMONT LN  
OXNARD CA 93036

358 062 38 00 1  
BURSIK GEORGE B TR  
113 W MINARETS  
PINEDALE CA 93650

358 062 44 00 8  
BUTALLA FAMILY LEGACY TRUST  
28809 E 343RD ST  
ARCHIE MO 64725-3723

474 154 22 04 7  
CAMIRE JOHN B & SYLVIA J  
17112 CANDLEWOOD RD  
APPLE VALLEY CA 92307-1104

358 091 06 00 0  
CARLSON CHILDRENS TR  
25612 GOLDENSPRING DR  
DANA POINT CA 92629-1537

358 102 19 00 7  
CARROLL JOHN E & MARIE C  
5095 GOBER RD  
BEAUMONT TX 77708-4812

358 061 24 00 3  
CASTEN JOSE A & ALIW S  
26642 EMERALD AV  
MORENO VALLEY CA 92555-3831

358 061 02 00 9  
CERVANTES ELMER F & PILAR A  
110 BAUAN  
\*

358 061 11 00 5  
ABDELHAK MAHMOUD  
P O BOX 12424  
MARINA DEL REY CA 90295

358 102 32 00 4  
CHAN KUN JEN & JULIE S C  
1750 CHAPEL HILL DR  
WALNUT CA 91789-3605

358 061 26 00 9  
CHAVEZ CHRISTOPHER PETER &  
MARGARITA F  
1034 VALLEJO AV  
SIMI VALLEY CA 93065-4966

358 082 30 00 3  
CHAVEZ RODOLFO & MARIA  
7062 VICTORIA AV  
HIGHLAND CA 92364

358 350 14 00 1  
CHEN KAI JUN & TSAI SU PI  
PO BOX 56867  
SHERMAN OAKS CA 91413-1867

474 154 16 00 4  
CHEN MEI  
16402 NEWASA LN  
ACCOKEEK MD 20607

475 172 05 00 1  
CHING AMELIA YEE MAY  
10037 SPANISH OAK CT  
CUPERTINO CA 95014

474 231 31 00 9  
CHING JAMES G  
5597 LA SENDAS CT  
LAS VEGAS NV 89122-4764

474 231 30 00 6  
CHING THOMAS A  
1720 HUNA ST APT 402  
HONOLULU HI 96817-2462

475 190 22 00 2  
CHIRINOS FRANCO & MARINA  
12210 COLIMA RD  
WHITTIER CA 90604-3023

475 190 20 00 6  
CHO NAM KWON & HYUNG KWON  
2613 SW 120TH ST  
OKLAHOMA CITY OK 73170

358 062 18 00 3  
CHOI FAMILY LIVING TRUST  
907 N ROXBURY DR  
BEVERLY HILLS CA 90210

358 092 03 00 8  
COLICH MILAN T  
1422 MONTE GRANDE PL  
PACIFIC PALISAD CA 90272-1913

358 092 13 00 7  
COLMAN CYNTHIA L  
420 MONTEREY LN APT 2D  
SAN CLEMENTE CA 92672-5335

358 062 23 00 7  
CONFORTI LOUIS JOSEPH IRR TRUST  
11511 DAVENPORT RD  
LOS ALAMITOS CA 90720-3831

474 154 15 04 7  
CONNELL LIVING TRUST  
7860 BENSON HW U 147  
TUCSON AZ 85756-8337

474 232 14 00 7  
CONORA REYNALDO  
P O BOX 344  
WEST COVINA CA 91793

475 172 22 00 0 **DUP**  
CONORA REYNALDO  
PO BOX 344  
WEST COVINA CA 91793

358 062 07 00 1  
COOLEY REGINA FRANCOISE  
22184 SILVER SPUR RD  
PALO CEDRO CA 96073

358 141 09 00 3  
COON GEORGIA B FAMILY TR  
945 HOLCOMB RD  
MONTAGUE CA 96064-9235

358 082 24 00 6  
CORDOVA F & B TR  
2429 ABADAJEJO  
LA VERNE CA 91750-1138

358 051 13 00 8  
CORENO LAND HOLDINGS LLC  
PO BOX 304  
HERMOSA BEACH CA 90254

358 051 42 00 2 **DUP**  
CORENO LAND HOLDINGS LLC  
P O BOX 304  
HERMOSA BEACH CA 90254

358 081 11 00 1  
CORNELL WILLIAM A & LINDA L TRS  
216 VILLA CREEK PW  
CANTON GA 30114-7013

358 360 11 00 5  
CORONADO RAUL  
1159 BAY VIEW  
WILMINGTON CA 90744

358 062 34 00 9  
CP LAND HOLDING LLC  
PO BOX 1413  
BEND OR 97709-1413

358 061 23 00 0 **DUP**  
CP LAND HOLDINGS LLC  
PO BOX 1413  
BEND OR 97709-1413

474 141 11 00 5  
CRUZ JUAN JOSE  
421 W 16TH ST  
SAN PEDRO CA 90731-4815

358 062 36 00 5  
CULLA VIRGINIA A TR  
PO BOX 56867  
SHERMAN OAKS CA 91413-1867

358 051 08 00 4  
CUMMINGS CHARLES D & LINDA G  
HCR 3 BOX 226  
ROSAMOND CA 93560

358 051 14 00 1  
DAGEFORDE TRUST  
16804 NE 10TH WY  
VANCOUVER WA 98684-6424

358 102 15 00 5  
DANIEL BONNIE JEAN  
38 S PACA ST U 601  
BALTIMORE MD 21201

358 010 06 00 9  
DANNEKER MICHAEL J II TRUST  
1732 LA PAZ RD  
ALTADENA CA 91001-3317

358 141 21 00 7  
DAUSEL LEO L FAMILY TRUST  
1717 S PACIFIC ST  
OCEANSIDE CA 92054-5849

358 091 09 00 9  
DAVIS FLORENCE E TR  
1009 AYHENS AV  
SIMI VALLEY CA 93065

358 062 04 00 2  
DE LA CRUZ STEVEN OSVALDO  
22221 W HADLEY ST  
BUCKEYE AZ 85326-7896

358 082 28 00 8  
DE LOUGHERY JOHN J  
14558 DYER ST  
SYLMAR CA 91342-5138

474 141 13 00 1  
DE NARDY D ERNEST  
6201 LAWN AV UPST  
CLEVELAND OH 44102-4304

474 232 05 00 1  
DEANDEN LLC  
2896 WOODFLOWER ST  
THOUSAND OAKS CA 91362-1173

358 102 13 00 9  
DEL SOL PROPERTIES  
12121 WILSHIRE BL STE 600  
LOS ANGELES CA 90025

358 091 33 00 8 **DUP**  
DEL SOL PROPERTIES INC  
12121 WILSHIRE BL STE 600  
LOS ANGELES CA 90025

358 102 10 00 0  
DELOS SANTOS DOROTEO & LOLITA  
9400 FAIRWAY VIEW PL # 2201  
RANCHO CUCAMONG CA 91730

358 081 06 00 7  
DERIT MARIA MELANY  
36727 BRADFORD RD  
STERLING AK 99672-9400

358 082 12 00 1  
DESIANO FAMILY TRUST  
22931 CALLE AZORIN  
MISSION VIEJO CA 92692-1423

358 141 35 00 8  
DICK JAMES E  
107 CEDAR BLUFF DR  
FAIRMONT MN 56031

358 092 09 00 6  
DIZON REGINALD E & DON E  
1963 MARQUIS CT  
CHULA VISTA CA 91913

358 112 05 00 9  
DOMANTAY PETER D & MARILOU M  
29744 SAGUARO ST  
CASTAIC CA 91384-3567

358 112 19 00 0  
DOVARRO SERGIO  
9738 DOWNEY SANFORD BRIDG RD  
DOWNEY CA 90240-3059

474 132 14 00 8  
DRUSKIN SHELLEY F TRUST  
7190 CALABRIA CT # A  
SAN DIEGO CA 92122

474 142 11 00 2  
DULAY JUDITH W  
PO BOX 56867  
SHERMAN OAKS CA 91413-1867

358 240 34 00 7  
DUSZYNKSI DARRYL D  
1271 W NORBERRY  
LANCASTER CA 93534

474 142 09 00 7 **DUP**  
DYAS ROBERT K & KATHRYN M  
P O BOX 687  
ROSAMOND CA 93560

474 154 20 00 5  
DYAS ROBERT KEITH & KATHRYN M  
P O BOX 687  
ROSAMOND CA 93560

474 231 02 00 5 **DUP**  
DYAS ROBERT KEITH & KATHRYN  
MARIE  
P O BOX 687  
ROSAMOND CA 93560

358 051 39 00 4  
EASTMAN WILLIAM  
1330 LELAND WY  
ESCONDIDO CA 92026-3321

474 132 04 00 9  
EDF RENEWABLE DEV INC  
15445 INNOVATION DR  
SAN DIEGO CA 92128-3432

474 100 01 00 7 **DUP**  
EDF RENEWABLE LAND HOLDINGS  
INC  
15445 INNOVATION DR  
SAN DIEGO CA 92128-3432

358 061 06 00 1 **DUP**  
EDF RENEWABLES DEV INC  
15445 INNOVATION DR  
SAN DIEGO CA 92128-3432

358 061 12 00 8 **DUP**  
EDF RENEWABLES DEVELOPMENT  
INC  
15445 INNOVATION DR  
SAN DIEGO CA 92128-3432

358 091 20 00 0  
EDMAN CHARLES W & ANNA LAYNE  
P O BOX 52  
LLANO CA 93544

358 081 23 00 6  
ELLGAARD SHEILA M TRUST  
2130 SHERWOOD DR  
CAMBRIA CA 93428-4412

474 132 03 00 6  
EMERSON PATRICIA A TRUST  
190 SIERRA CT STE C4  
PALMDALE CA 93550-7609

474 232 19 00 2  
ENGBLOM DERRICK PATRICK  
2061 MAIDEN LN  
ALTADENA CA 91001-3109

358 062 19 00 6  
ENGGASSER ERIC LEO  
35 W MAIN ST STE B  
VENTURA CA 93001-4528

474 142 19 00 6  
EQUITY TR CO CUSTDN FBO NELSON  
DIANE IRA  
PO BOX 56867  
SHERMAN OAKS CA 91413-6867

474 142 10 00 9 **DUP**  
EQUITY TR CO CUSTDN FLYNN  
JENNIFER FBO  
PO BOX 56867  
SHERMAN OAKS CA 91413-1867

474 232 18 00 9 **DUP**  
EQUITY TRUST COMPANY  
PO BOX 56867  
SHERMAN OAKS CA 91413-1867

358 360 04 00 5  
ESCOBAR RAMIRO F  
3255 E AVENUE R SP 197  
PALMDALE CA 93550-2419

358 240 28 00 0  
ESTRADA DORIS DIANE LIVING  
TRUST  
37321 PASEO VIOLETA  
MURRIETA CA 92563-3704

358 092 15 00 3  
ESTRELLER ROSALIND TR & TRS ET  
AL  
3307 LARGA AV  
LOS ANGELES CA 90039

358 051 17 00 0  
EVERETTE SUZANNE E  
4525 DOWEL AV  
PALMDALE CA 93552-3719

358 010 09 03 5  
EYHERABIDE LAND CO LLC  
5284 KENT DR  
BAKERSFIELD CA 93306-3908

358 112 26 00 0  
FAIRCHILD TRUST  
PO BOX 566  
LANCASTER CA 93584-0566

475 171 04 00 1  
FARACE LIVING TRUST  
233 CHEROKEE TL  
HINESVILLE GA 31313

358 101 02 00 0  
FICKLIN KENNETH A & JO ANNE  
PO BOX 994785  
REDDING CA 96099-4785

358 010 14 00 2  
FIRST SOLAR LAND HOLDING CO  
LLC  
135 MAIN ST FLR 6  
SAN FRANCISCO CA 94105-8113

358 081 18 00 2  
FIXLER MAGE S TRUST  
2856 PIERPOINT BL  
VENTURA CA 93001

358 092 01 00 2  
FLORA ROBERT L  
401 ARRINGTON AV  
MAYSVILLE KY 41056-1730

358 092 12 00 4  
FONE ALAN JR  
12213 W AVENUE OF THE STARS  
ROSAMOND CA 93560-9089

474 131 28 00 2  
FONG BEVERLY A  
1088 ALTON WY  
SALT LAKE CTY UT 84108

474 131 21 00 1  
FONG BRYAN & KIM FAMILY TRUST  
1836 SUNNYSIDE AV  
SALT LAKE CTY UT 84108-1345

474 131 20 00 8  
FONG CHESTER K M REV LIV TRUST  
2525 KEKUANONI ST  
HONOLULU HI 96813

474 231 37 00 7 **DUP**  
FONG CHESTER K M TRUST  
2525 KEKUANONI ST  
HONOLULU HI 96813-1120

474 131 22 00 4  
FONG LEONARD T W  
151 ULUNIU AV  
HONOLULU HI 96815

358 082 32 00 9  
FRAKES CARL FAMILY TR  
1274 WEST AVENUE H-12  
LANCASTER CA 93534

358 081 22 00 3  
FRASER RICHARD E  
8923 RATHBURN  
NORTHRIDGE CA 91325

474 232 27 00 5  
FREEBAIRN SMITH RODERICK T TR  
880 LOMBARD ST  
SAN FRANCISCO CA 94133-2216

358 010 13 00 9  
FS LAND HOLDING CO LLC  
350 W WASHINGTON ST STE 600  
TEMPE AZ 85281-1496

358 010 17 00 1  
FS LAND HOLDING CO LLC  
135 MAIN ST FLR 6  
SAN FRANCISCO CA 94105-8113

358 101 01 00 7  
GAFY INVS LLC  
5832 OCEAN TERRACE DR  
RANCHO PALOS VE CA 90275-5759

358 101 05 00 9  
GAFY INVS LLC  
PO BOX 10253  
TORRANCE CA 90505-1153

358 141 16 00 3  
GAFY INVS LLC  
458 CALLE DE ARAGON  
REDONDO BEACH CA 90277-6724

474 231 28 00 1  
GAFY INVS LLC  
PO BOX 10253  
LAHAINA HI 90505 **DUP**

358 112 04 01 5  
GALANTE JOSEPHINE P  
1065 GARRIDO DR  
CAMARILLO CA 93010-1027

358 061 47 00 0  
GAMAUNT JULIAN ROGER & LINDA  
MARIE  
13032 NINA PL  
GARDEN GROVE CA 92643

358 082 08 00 0  
GARCIA FELIX & FELIPA R  
14500 VAN NUYS BL # 29  
PANORAMA CITY CA 91402

474 120 33 00 6  
GARCIA GABRIEL & ESTELA  
14819 FIRMONA AV  
LAWNDALE CA 90260-1242

358 141 34 00 5  
GARCIA SHARON LOUISE  
1805 N CARSON # 488  
CARSON CITY NV 89701

358 112 09 00 1  
GARNER SHIRLEY REVOCABLE  
LIVING TRUST  
950 OAKHURST WY  
STOCKTON CA 95209-2029

474 154 21 00 8  
GARVEY RICHARD  
29160 HEATHERCLIFF RD U 4236  
MALIBU CA 90264-1018

358 092 24 00 9  
GASTELUM ROSARIO & ROSALIE  
P O BOX 1285  
ROSAMOND CA 93560

475 172 31 00 6  
GATCHALIAN GUY PALAGANAS &  
VILMA  
38632 PUERTA AV  
PALMDALE CA 93550-4137

358 082 16 00 3  
GERHARDT LOUIS B  
74007 PLAYA VISTA  
29 PALMS CA 92277

475 171 22 00 3  
GGF PROP LLC  
1702 ROBERTSON BL  
LOS ANGELES CA 90035-4316

474 141 07 00 4  
GILICA VICTOR JR ET AL  
17813 AVIS AV  
TORRANCE CA 90504

358 112 32 00 7  
GIVEN GARY RICHARD & ALICE  
MILAN  
1 INDIANOLA CIRCLE  
THE COLONY TX 75058

474 232 04 00 8  
GOBOURNE WANDA M  
2305 CHAPEL HILL CI  
STOCKTON CA 95209-4009

358 141 12 00 1  
GOGGIN MILLER FAMILY TRUST  
270 ORO DR  
ARROYO GRANDE CA 93420-2840

474 142 17 00 0  
GOLTCHE NATALIE B  
100 S DOHENY DR APT 705  
LOS ANGELES CA 90048-2992

474 142 20 00 8  
GOODMAN ROGER C  
4933 PINEHURST RD  
ANDERSON CA 96007-9172

358 141 13 00 4  
GORDON MARIE H  
633 RAMONA AV SP 5  
LOS OSOS CA 93402-5106

475 172 20 00 4  
GORJIYAN FARAHNAZ  
4004 PACHECO DR  
SHERMAN OAKS CA 91403-4421

358 102 39 00 5  
GREENE ALBERT R JR & SANDRA P  
18 SPRING GREEN RD  
LINCOLN RI 02865-3718

475 172 34 00 5  
GRINDAHL DAVID A  
655 NORTH RD  
SN BERNARDINO CA 92404

358 010 09 07 1  
GUERRANT FMLY TR  
28518 BURROUGH NO RD  
TOLLHOUSE CA 93667-9727

474 154 24 00 7  
HAGEN DEBORAH J  
1341 GOLF COURSE RD  
HAMILTON MT 59840-9234

358 062 42 00 2  
HAMILTON ALETHIA SKY  
2025 SONJA DR SP 70  
ROSAMOND CA 93560-6145

358 112 07 00 5  
HAMLIN LINDA LUCIE  
227 STEDMAN PL  
MONROVIA CA 91016-2168

358 101 19 02 8  
HANNA GEORGE A LIVING TRUST  
P O BOX 522  
HAWTHORNE CA 90251

358 102 16 00 8  
HANWRIGHT TRUST  
PO BOX 0700  
ANAHOLA HI 96703-0700

358 112 15 00 8  
HARDING DONALD  
815 JAVA ST # 8  
INGLEWOOD CA 90301

358 091 30 01 8  
HEIDENREICH AILEEN M REV LIV TR  
6361 SE WALINA CT  
SALEM OR 97301

474 141 05 00 8  
HENEGBRY HOLLY S REV TR  
30031 MATISSE DR  
RANCHO PALOS VE CA 90275-5729

358 360 09 00 0  
HERNANDEZ RENAN & NORMA  
38355 CAMPOS DR  
PALMDALE CA 93551-4259

358 112 12 00 9  
HICKMAN LAURA  
22293 BUENAVENTURA ST  
WOODLAND HILLS CA 91364

358 091 23 00 9  
HODSDON STEVE W & DEBRA J  
1410 COPE DR  
PARIS TX 75462-5505

358 061 01 00 6  
HOFFMAN DONALD & SUSAN ET AL  
PO BOX 370  
ROSAMOND CA 93560-0370

358 082 23 00 3  
HORN ENTERPRISES  
3690 W MESA AV  
FRESNO CA 93711-6567

474 232 26 00 2  
HOWE STEVEN A  
100 RIVER RDG  
ELLIJAY GA 30536

358 092 10 00 8  
HSIEH JACK Y  
PO BOX 37545  
RALEIGH NC 27627-7545

358 240 29 00 3  
HULL LYLE J & JANET M  
3056 CONSTITUTION DR  
W VALLEY CITY UT 84119

358 102 28 00 3  
IGNACIO ISIDRO D TRUST  
3114 LA CORONA AV  
ALTADENA CA 91001-4335

358 061 14 00 4  
INVESTMENT LAND NETWORK LLC  
3142 PACIFIC COAST HW STE 200  
TORRANCE CA 90505-6750

358 082 11 00 8  
JACKS ALFRED H & VIRGINIA  
8424 N NEVADA APT 291  
SPOKANE WA 99208

475 172 03 00 5  
JACKSON JAMES E & NANCY O  
1710 NW 88TH WY  
PLANTATION FL 33322-4437

358 141 41 00 5  
JACKSON LOIS I  
P O BOX 308011  
CLEVELAND OH 44130

358 010 01 00 4  
JAVADIAN TR  
3108 PADDINGTON RD  
GLENDALE CA 91206-1355

358 141 44 00 4  
JAVIER ELPIDIO M FMLY TR  
842 EAST AVENUE J-11  
LANCASTER CA 93535

358 240 31 00 8  
JENKINS GENEVA  
3116 GINGERWOOD LN  
LANCASTER CA 93536

358 091 32 00 5  
JOAQUIN FAMILY TRUST  
20701 WOOD AV  
TORRANCE CA 90503

358 092 26 00 5  
JONES DELMER G & PACITA R  
MAGTULIS REV TR  
843 ROXANNE DR  
HEMET CA 92543

358 061 25 00 6  
JORAJURIA ETIENNE & ALICE G REV  
TR  
662 BARBOUR DR  
REDWOOD CY CA 94062

358 091 08 00 6  
JULIAN DELORES D TR  
5554 ROSAMOND BL  
ROSAMOND CA 93560

474 232 11 00 8  
KALRA HIRA LAL & NEETA  
5936 LEMP AV  
NO HOLLYWOOD CA 91601

358 091 17 00 2  
KAUFMANN MARGARET A TRUST  
25 PALAMINO LN  
BOULDER CO 80302-9432

358 112 01 00 7  
KIM HYUN HEE LIV TR  
301 STREAMWOOD  
IRVINE CA 92620-1967

358 051 43 00 5  
KIMARI HENRY N & KELLY A  
843 MOUNTAIN VIEW RD  
CORDOVA AL 35550-4019

358 061 42 00 5  
KING CRAIG  
1555 RIVER PARK DR STE 108  
SACRAMENTO CA 95815-4666

475 171 05 00 4  
KIRCHHOFF JAMES  
26228 GLENDON LN  
LAGUNA HILLS CA 92653-8216

358 102 49 00 4  
KLASSEN ORPHA MAE  
703 W HERBERT AV  
REEDLEY CA 93654-3941



358 102 45 00 2  
KLINGER CHANDIS L & VIOLET M  
FAM PROTE TRUST  
141 AMERICAN CHESTNUT LN  
MIDDLEBURG PA 17842

358 102 03 00 0  
KNOKEY FAMILY TRUST  
18811 TRIBUNE ST  
NORTHRIDGE CA 91325

358 112 24 00 4  
KNOWLES BROOKE LIVING TRUST  
266 SAINT JOSEPH AV  
LONG BEACH CA 90803-1720

358 081 08 00 3  
KNOX PATRICIA JANE  
368 E SURFSIDE DR  
PORT HUENEME CA 93041-3347

475 172 01 00 9  
KOEHLER FAM TR  
1253 W WHITEHALL DR  
MERIDIAN ID 83642-7320

358 061 08 01 6  
KOHL DAVID ALLEN TRUST  
PO BOX 252069  
LOS ANGELES CA 90025-8947

358 062 21 00 1  
KREUTZER ERIK ALEXANDER  
2 POLO FIELD LN  
DENVER CO 80209

358 062 12 00 5  
KRIGSFELD VICTORIA  
2904 BOTTLEBRUSH DR  
LOS ANGELES CA 90077

358 082 03 00 5  
KROICK JAMES  
PO BOX 1645  
BOULDER CO 80306-1645

358 081 04 00 1  
LA MADRID ELSA  
11530 SHERIDAN ST  
PEMBROKE PINES FL 33026-1428

474 231 29 00 4  
LAND INV NETWORK LLC  
3142 PACIFIC COAST HW STE 200  
TORRANCE CA 90505-6750

358 360 01 00 6 **DUP**  
LAND INVESTMENT NETWORK LLC  
3142 PACIFIC COAST HW STE 200  
TORRANCE CA 90505-6750

358 101 13 00 2 **DUP**  
LAND INVESTMENTS NETWORK LLC  
3142 PACIFIC COAST HW STE 200  
TORRANCE CA 90505-6750

358 061 20 00 1  
LARRANAGA FERNAND III  
PO BOX 1604  
ALTURAS CA 96101-1604

358 112 10 01 2  
LAUGHLIN MILLER MARTHA J  
4534 MORSE AV  
STUDIO CITY CA 91604

358 141 45 00 7  
LE OZARK H  
4609 LA CRESCENT LP  
SAN JOSE CA 95136-2686

358 112 16 00 1  
LEE FAMILY TRUST  
289 CAMBRIDGE DR  
GIBSONIA PA 15044-7520

358 081 02 01 4  
LEE JUNG H  
25910 TWAIN PL  
STEVENSON RANCH CA 91381-1104

358 082 06 00 4  
LEE STEVE H  
401 S KINGSLEY DR APT 114  
LOS ANGELES CA 90020-3208

474 132 05 00 2  
LEE YOUNG JOO & SONG YOUNG  
MIN  
3911 E LONG DR  
TUCSON AZ 85718-8305

358 112 06 01 1  
LEUNG BELINDA KATALINE  
P O BOX 31135  
SEATTLE WA 98103-1135

474 131 09 01 6  
LIM SUNG S  
4170 ALAMO ST  
SIMI VALLEY CA 93063-2332

358 081 16 00 6  
LINVILLE BETTY  
4111 ALLOTT AV  
SHERMAN OAKS CA 91423

474 231 05 00 4  
LIVING ROCK COMMUN BAPTI  
609 DEEP VALLEY DR STE 200  
ROLLING HILLS E CA 90274-3614

358 111 05 00 2  
LOUNDERMON JOYCE M B  
3557 MORNING STAR PL  
LAUREL MD 20724

358 061 43 00 8  
LOWINGER ANDREW & IRENE TRUST  
5278 S GENEVA ST  
ENGLEWOOD CO 80111-6225

358 061 44 00 1  
LOWINGER I CALIFORNIA L P  
5278 S GENEVA ST  
ENGLEWOOD CO 80111-6225

358 081 15 00 3  
LP EQUITY RESOURCES II INC  
23901 CALABASAS RD # 2080  
CALABASAS CA 91302

475 171 03 00 8  
LUTAP TRINH FAMILY TRUST  
6781 MEADOW VISTA CT  
SAN JOSE CA 95135-1676

474 132 07 00 8  
LY YANN T & CHAU FANG S  
19533 VALERIO ST  
RESEDA CA 91335

358 240 32 00 1  
LYNCH PATRICIA L SURVIVORS  
TRUST  
1222 30TH ST  
BAKERSFIELD CA 93301-2302

475 172 15 00 0  
MACK PATRICIA B ESTATE  
405 E 51ST ST APT 1F  
NEW YORK NY 10022-6479

358 102 51 00 9  
MAHAFFY WILLIAM H & ELEANOR M  
35 N LAKEVIEW DR  
WILLIAMS AZ 86046

358 091 31 00 2  
MANALO HONORATO C & LOURDES  
508 GEORGE ST  
WINTER SPRINGS FL 32708

358 102 21 00 2  
MAPANAO ADOLFO F & BELLA M  
3928 PERIDOT PL  
VIRGINIA BEACH VA 23456

358 081 07 00 0  
MARACHA ELENITA V  
7652 HARMONY OAKS WY  
SACRAMENTO CA 95828

358 082 04 00 8  
MARTIN JOHN A & GAIL R TRUST  
552 DUNES ST  
MORRO BAY CA 93442-1902

474 232 09 00 3  
MARTIN LIVING TRUST  
PO BOX 222 362  
CARMEL CA 93922

475 172 12 00 1 **DUP**  
MARTIN LIVING TRUST  
PO BOX 222362  
CARMEL CA 93922

358 101 07 00 5  
MARTIN PAMELA A  
21160 N DUNCAN DR  
MARICOPA AZ 85138-2314

358 062 33 00 6  
MARTINEZ JAVIER & MARILU  
619 S PINE DR  
FULLERTON CA 92833

474 120 36 00 5  
MASULLA LEO G  
576 NOKES RD  
LEBANON TN 37090-1037

474 141 06 00 1  
MATHIS JOE M  
653 COUNTY ROAD 938  
BROOKLAND AR 72417-8672

474 154 06 02 3  
MAUCH C KIM  
16621 ADLON RD  
ENCINO CA 91436

474 141 12 00 8  
MAWAD ALBERT & LAURICE  
MAWAD TRUST  
16501 MULHOLLAND DR  
LOS ANGELES CA 90048

358 062 41 00 9  
MAYNARD CHAD A & CARLA  
4627 GREENMEADOW RD  
LONG BEACH CA 90808

358 091 02 00 8  
MC CANN BRUCE TRUST  
60 BRYCE CY  
ALISO VIEJO CA 92656-8037

358 112 29 00 9  
MC CARTY ISABEL  
1841 WILLOW TL  
LAS VEGAS NV 89108

358 102 40 00 7  
MC ELWAIN SHERMAN J & DIANE J  
PO BOX 4  
BIBLE SCHOOL PA NY 13737-0004

358 051 10 00 9  
MC INTOSH TED A  
3176 CURRY ST  
EAST LIVERPOOL OH 43920

358 102 37 00 9  
MC LAIN ERIC R & LANA G  
P O BOX 308011  
CLEVELAND OH 44130

358 062 05 00 5  
MC NEARNEY PARRISH MAUREEN K  
8425 COUNTY ROAD 206  
GRANDVIEW TX 76050-3639

358 112 11 00 6  
MC PHERSON LARRY  
1502 CLIPPER CT  
ROSEVILLE CA 95661-5756

358 061 16 00 0  
MC PHILMY REDMOND H  
114 MARBLE CANYON DR  
FOLSOM CA 95630-7113

358 112 02 01 9  
MC QUILLAN JAMES  
5448 W ELKHORN RD  
RATHDRUM ID 83858-7814

358 112 31 00 4  
MEGGS ROBERT & SYLVIA  
REVOCABLE TRUST  
13940 W MEEKER BL STE 115  
SUN CITY WEST AZ 85375

358 102 35 00 3  
MEIER ARTHUR C II & AMY M  
776 CORNELIA DR  
HUNTSVILLE AL 35802

358 102 33 00 7  
MEIER FRANK L & LOIS K  
9209 NE PALM BEACH  
ALBUQUERQUE NM 87111

358 360 10 00 2  
MENDOZA JOSEPH B & CECIL P  
28806 BAY HEIGHTS RD  
HAYWARD CA 94542-2164

475 172 21 00 7  
MERRILL SUZANNE LIVING TRUST  
525 S FLAGLER DR # 10B  
W PALM BEACH FL 33401-5924

358 082 10 00 5  
MEZA FAMILY TR  
5107 AVENIDA DESPACIO  
LAGUNA WOODS CA 92637-1807

358 141 08 00 0  
MISIPEKA FIAIGOA  
PO BOX 14262  
TORRANCE CA 90503-8262

358 141 11 00 8  
MONGEAU FAMILY REVOCABLE  
TRUST  
9725 WHITELAND ST  
PICO RIVERA CA 90660-5746

358 061 22 00 7  
MONTGOMERY JULIANNE  
3740 N TANURI DR  
TUCSON AZ 85750-1938

358 081 13 00 7  
MONTOYA FILBERTO & ROSARIO  
P O BOX 1504  
MONTEBELLO CA 90640

358 081 30 00 6  
MOONEY CAROLYN ANN REV TR  
950 WOODLAND AV SP 19  
OJAI CA 93023-4317

358 061 27 00 2  
MOORE MARVIN L & MARION A  
P O BOX 432  
MULDROW OK 74948-0432

474 132 01 00 0  
MORGAN SETH JAMES EGST TRUST  
5832 IRIS CI  
LA PALMA CA 90623-1854

475 171 15 00 3  
MORRIS BERNARD  
8421 BYRD AV  
INGLEWOOD CA 90305

474 232 08 00 0  
MORTON ALVA & MARGIE A TRUST  
5377 E GRANT AV  
FRESNO CA 93727-3209

358 111 04 00 9  
MUNOZ FAMILY TRUST  
1633 BAXTER ST  
LOS ANGELES CA 90026-1931

474 231 33 00 5  
NASSER MITCHELL A & VICTORIA  
7450 SUNNINGDALE WY  
GILROY CA 95020-3073

358 240 35 00 0  
NAZARI RAYMOND R  
10333 MT GLEASON AV  
SUNLAND CA 91040-3120

474 120 20 00 8  
NEILSON MERLYN R TR  
2204 MANHATTAN BEACH BL  
REDONDO BEACH CA 90278-1203

474 141 10 00 2  
NELSON DONNA Y REV LIV TR  
1214 SOUTH MOHAWK DR  
SANTA ANA CA 92704

474 231 27 00 8  
NEWKIRK FLORENCE H REV TR  
14558 DYER ST  
SYLMAR CA 91342-5138

358 141 30 00 3  
NG MICHAEL & NG TR  
1022 ODDSTAD BL  
PACIFICA CA 94044

474 232 22 00 0  
NGUYEN HUY & DO KIM  
14802 MAYTEN AV  
IRVINE CA 92606

474 153 26 00 6  
NGUYEN KIM THANH  
3090 JOSHUA TREE CI  
STOCKTON CA 95209

358 141 46 00 0  
NGUYEN TUAN & LE FAMILY TRUST  
5 PLAZA LUCERNA  
LAKE ELSINORE CA 92532-0137

358 141 40 00 2  
NICHOLAS EVERETT E JR  
5 S ALLEN BEND PT  
DECATUR IL 62521-5476

358 081 10 00 8  
NICKERSON FAMILY TR  
1300 FLOYD HAMPTON RD  
CROWLEY TX 76036-4683

358 141 25 00 9  
NISHIMOTO FAMILY TR  
17832 SO THORNLAKE AV  
ARTESIA CA 90701

475 171 08 00 3  
NORTHERN LEGACY  
3504 GRANDI CI  
STOCKTON CA 95209

474 111 23 00 1  
NUNAG FAMILY TRUST  
1056 PARK MEADOWS RD  
CHULA VISTA CA 91915

474 131 27 00 9  
NUNLEY DEANNA  
805 18TH AV  
SALT LAKE CITY UT 87103

358 092 17 00 9  
OAK INVS LLC  
P O BOX 2016  
BEVERLY HILLS CA 90213

358 111 18 00 0  
OBIETA HELEN D  
P O BOX 32881  
SAN JOSE CA 95152

358 102 31 00 1  
OLIVA FAMILY TR  
187 BAYSIDE DR  
PALM COAST FL 32137-8818

474 231 14 00 0  
OLSON HAROLD  
1242 STATE AV PMB  
MARYSVILLE WA 98270-3672

358 082 20 00 4  
PALM HORIZON  
4640 DUNAS LN  
TARZANA CA 91356-4602

474 153 27 00 9  
PATEL KIRANKUMAR JAYANTILAL  
& MINAL  
7997 FERRARI WY  
WINDSOR CA 95492

358 102 18 00 4  
PEARSON VINCENT & MARY ANNE  
171 BRANNAN WY  
RENO NV 89511-9159

358 062 37 00 8  
PEREZ JOSE  
39543 DUNBAR ST  
PALMDALE CA 93551

358 360 02 00 9  
PERRY RALPH A & IDA I  
4942 STUART DR  
SANTA MARIA CA 93455

358 091 18 00 5  
PEZZNER JOSEPH SURVIVORS TRUST  
8860 CORBIN AV # 304  
NORTHRIDGE CA 91324-3352

358 240 37 00 6  
PIERSON JOHN CLAYTON JR  
15304 MORNINGMIST LN  
SILVER SPRINGS MD 20906

474 232 17 00 6  
PORTWAY DANIEL  
2837 SONOMA ST  
TORRANCE CA 90503

358 350 13 00 8  
QUARTO ANITA J F  
1240 BRICKLEY RD  
EUGENE OR 97401-2025

474 232 03 00 5  
RACY GLORIA  
P O BOX 233  
STRATFORD CA 93266

358 141 28 00 8  
PAREJA MONICA J REVOCABLE  
TRUST  
704 RIO CONCHO TL  
MCKINNEY TX 75071-3566

474 154 17 00 7  
PAULEY JOSPEH L & BEVERLY M  
REV TR  
P O BOX 57  
ROSAMOND CA 93560

358 062 22 00 4  
PEEBLER GERALD B & HARRIETTE I  
TRUST  
13926 LA MIRADA BL  
LA MIRADA CA 90638-3198

474 154 25 00 0  
PERKINS FREDERIC B REV TRUST  
PO BOX 1984  
BRENHAM TX 77834-1984

358 112 28 00 6  
PERUZZI CLAUDIO A & ANTOINETTE  
9222 GALLATIN RD  
DOWNEY CA 90240-2969

358 081 05 00 4  
PHILLIPS KIM R & DOROTHY F  
P O BOX 277  
PLEASANTON NE 68866-0277

358 091 16 00 9  
POND ROBERT  
630 E CYPRESS AV APT D  
BURBANK CA 91501

474 232 13 00 4  
PRESSLEY JOHN STEVEN  
PO BOX 1907  
PISMO BEACH CA 93448-1907

474 232 32 00 9  
RAAB DREW W & PATRICIA A  
11151 KNOTTY PINE DR  
TRUCKEE CA 96161-3141

358 240 36 00 3  
RAJ SUKHDEV & NIRMAL  
30804 HARLAN CT  
UNION CITY CA 94587

474 153 01 00 3  
PATEL KIRAN KUMAR J  
7997 FERRARI WY  
WINDSOR CA 95492

358 081 20 00 7  
PAULOVICH NICHIKAS & JUANITA L  
FAMILY TRUST  
1642 E JASMINE ST  
CASA GRANDE AZ 85122-6049

358 061 05 00 8  
PENALES ROCHEL SOTTO  
5021 MONTEZUMA ST  
LOS ANGELES CA 90042-3228

358 082 18 00 9  
PERONA EDGARDO P EST & ESTER B  
544 CARMEL MESA DR  
HENDERSON NV 89012

474 120 13 00 8  
PETERSON WESLEY A  
P O BOX 2249  
MESA AZ 85214

358 091 29 00 7  
PICKENS LOY V & ILENE V  
11 COOPER ST  
ROCK CAVE WV 26234-9503

474 232 01 00 9  
POOR JOHN I  
56 WILLOWOOD  
ALISO VIEJO CA 92656-2977

358 240 38 00 9  
PROFESSIONAL EQUITIES INTERNAT  
3564 EVENING CANYON RD  
OCEANSIDE CA 92056-4910

358 360 05 00 8  
RABBITBRUSH SOLAR LLC  
135 MAIN ST FLR 6  
SAN FRANCISCO CA 94105-8113

358 061 38 00 4  
REDMAN MARSHALL & DORIS E  
12121 WILSHIRE BL STE 600  
LOS ANGELES CA 90025

358 010 09 06 2  
REINOSO EDGAR  
P O BOX 1664  
SANTA CLARITA CA 91386

358 082 01 00 9 **INC**  
REYES JESSIE M & CECILIA M  
ADDRESS UNKNOWN

474 141 01 00 6  
RICHARDS DAVID & DAHLEN JUNE  
40046 BECKY LN  
PALMDALE CA 93551

358 102 25 00 4  
RICKER STEPHANIE  
690 N LEMON HILL TL  
ORANGE CA 92869-2403

358 101 18 00 7  
RIDGELY BRIAN  
37148 29TH PLACE EAST  
PALMDALE CA 93550

358 051 01 00 3  
RIECK JUDI B TRUST  
39520 MURRIETA HOT SPRINGS RD  
STE 219  
MURRIETA CA 92563-7722

474 131 06 00 8  
ROBERTSON CARL W JR  
6332 HUNGERFORD ST  
LAKEWOOD CA 90713-1259

474 231 21 00 0  
ROBINSON FAMILY TRUST  
1104 S MONTANA AV APT A8  
BOZEMAN MT 59715-5388

358 082 05 00 1  
ROBINSON MARK A & YVETTE D  
1266 W PORTICO DR  
ORO VALLEY AZ 85755-8757

358 062 40 00 6  
ROCKLEWITZ ROBERT C  
305 CRADDOCK AV  
SYLACAUGA AL 35150-2805

475 172 13 00 4  
ROSE ANITA REV INT VIVOS TR  
14662 EMERYWOOD RD  
TUSTIN CA 92680-6259

474 232 10 00 5  
ROSENBLATT PHYLLIS  
486 BROADWAY  
NEW YORK NY 10013

358 082 19 00 2  
ROSKILLY STEVEN & SHANNA  
41227 W 47TH ST  
LANCASTER CA 93536-2410

474 142 18 00 3  
RUDE ERIC  
PO BOX 56867  
SHERMAN OAKS CA 91413-1867

358 051 15 00 4  
RYAN FAMILY REVOCABLE TRUST  
10568 MOUNTAIN BROW RD  
SONORA CA 95370-8015

475 190 23 00 5  
SABOLBORO MARIA CARMEN U  
TRUST  
12 EL CAMINITO  
ORINDA CA 94563-2302

358 082 09 00 3  
SALAZAR FLORENTINO JAMES  
19713 88TH ST  
CALIFORNIA CITY CA 93505-3904

358 082 31 00 6  
SALONGA ALVIN BONDOC & LUISA  
REYES  
3703 BOYCE AV  
LOS ANGELES CA 90039

358 092 32 00 2  
SANDERS RONALD D & PATRICIA I  
FAMILY TRUST  
357 CALDARELLA CI  
ROSEVILLE CA 95678-5972

358 061 08 02 5  
SCHARF OSCAR & ANNA  
3227 DONA RAQUEL  
STUDIO CITY CA 91604

358 102 47 00 8  
SCHAUFEELE ROBERT W JR & IRENE  
970 VISTA WY  
CHULA VISTA CA 91911

358 051 09 00 7  
SCHEIRE ROBERT R & MARJORIE  
5527 105TH ST W  
WILLOW SPRINGS CA 93560-7500

474 232 20 00 4  
SCHERER BRUCE R  
P O BX 961  
LAGUNA BEACH CA 92651

358 102 41 00 0  
SCHINDLER GERALD P & JANICE M  
900 S 12TH ST  
MARION IA 52302-4927

358 141 26 00 2  
SCHNEIDER R W & BERNICE F TRUST  
4718 WOLFCREEK PKWY  
LOUISVILLE KY 40241-1072

358 091 22 00 6  
SCOTT ROBERT D FAMILY TRUST  
309 GRANITE CI  
ANTIOCH CA 94509-6213

474 232 25 00 9  
SEARES FAMILY TRUST  
549 W SHADWELL ST  
CARSON CA 90745-3665

358 051 03 00 9  
SEGAL MICHAEL & BRENDA  
1426 STATE HIGHWAY 58  
MOJAVE CA 93501-1961

358 051 05 00 5 **DUP**  
SEGAL MICHAEL & BRENDA  
1426 HIGHWAY 58  
MOJAVE CA 93501

358 051 06 00 8  
SEGAL MICHAEL CARL & BRENDA  
NOELLE  
1426 STATE HIGHWAY 58  
MOJAVE CA 93501-1961

358 062 03 00 9  
SHAH KRISHNA K  
980 MORAGA AV  
OAKLAND CA 94611-3444

474 231 03 00 8  
SHIU LENORA FONG  
1320 PUEO ST  
HONOLULU HI 96816-5012

358 010 05 00 6  
SIERRA SANTOS A & ERAZO ROSA A  
1215 E 20TH ST  
LOS ANGELES CA 90011-1204

358 092 29 00 4  
SIMMONS CARL F REV LIV TR  
4 THORPE DR APT 1B  
SPARKILL NY 10976-1032

358 141 27 00 5  
SIRIPOKE MONGKOL & SOPSUKE  
2704 MOSSWOOD DR  
SAN JOSE CA 95132

474 142 08 00 4  
SKINNER A F  
45580 10TH STREET EAST # 263  
LANCASTER CA 93535

475 172 18 00 9  
SMITH C CRAYTON LIV TR  
11666 GOSHEN AV APT 125  
LOS ANGELES CA 90049-6285

358 092 05 00 4  
SMITH PEGGY M  
PO BOX 344  
ROSAMOND CA 93560-0344

358 092 07 00 0  
SNOW CHRISTINA L & MASON JR  
3205 REDWOOD CANYON LN  
BAKERSFIELD CA 93314

358 092 08 00 3  
SNOW MASON JR  
34365 STOCKDALE HW  
BUTTONWILLOW CA 93206

475 171 16 00 6  
SO CAL EDISON CO  
2244 WALNUT GROVE AV  
ROSEMEAD CA 91770

358 141 42 00 8  
SOTO GERARDO & CLAUDIA  
16155 PINE AV  
FONTANA CA 92335

474 131 08 00 4  
SOU CAL EDISON CO  
2244 WALNUT GROVE AV  
ROSEMEAD CA 91770-3714

474 131 14 00 1  
SOU CAL EDISON CO  
14799 CHESTNUT ST  
WESTMINSTER CA 92683-5240

474 132 02 00 3  
SOUTHWEST CONSERVANCY II LLC  
PO BOX 1413  
BEND OR 97709-1413

358 061 36 00 8                   **DUP**  
SOUTHWEST CONSERVANCY III  
PO BOX 1413  
BEND OR 97709-1413

358 061 10 01 1                   **DUP**  
SOUTHWEST CONSERVANCY III LLC  
PO BOX 1413  
BEND OR 97709-1413

358 141 20 00 4                   **DUP**  
SOUTHWEST CONSERVANCY LLC  
PO BOX 1413  
BEND OR 97709-1413

474 232 29 00 1  
SPAITE FAM TR  
523 N HOME AV  
PARK RIDGE IL 60068-3035

358 082 33 00 2  
STALEY MICHAEL E & SANDRA D  
2351 ALPACA AV  
ROSAMOND CA 93560

358 101 17 00 4  
STAM CAMIL & CONSTANCE TR  
1981 MC KINNEY WY 14G  
SEAL BEACH CA 90740

358 102 52 00 2  
STEFANOV MARK C & DONNA C  
3 ALBERTO DUMONT COVE  
GEORGETOWN TX 78626

474 142 15 00 4  
STEIN JOHN IRA  
528 4TH ST  
NEVADA IA 50201-2223

474 142 16 00 7  
STEVENSON MARK & DIANA REV  
LIV TRUST  
4480 MEADOWLARK CT  
NAPA CA 94558-1739

358 061 04 00 5  
STEWART GREG  
1243 S MEYLER ST  
SAN PEDRO CA 90731

474 120 14 00 1  
STONE TRUST  
16651 DALE VISTA LN  
HUNTINGTON BCH CA 93647

475 171 20 00 7                   **DUP**  
STRANGE CAROLYN A  
P O BOX 1893  
PARADISE CA 95967-1893

475 171 18 00 2  
STRANGE CAROLYN ANN  
P O BOX 1893  
PARADISE CA 95967-1893

358 082 22 00 0  
TADJALLI FARROKH & PARICHEHR  
29321 BARITE CI  
MENIFEE CA 92584-8265

358 062 43 00 5  
TAITAI BENJAMIN  
3655 LEEWARD WY  
OXNARD CA 93035-2349

358 111 20 00 5  
TALLON KRISTY KAY  
1426 SUNSWEPT DR  
SAN JACINTO CA 92582-6203

358 062 11 00 2  
TAPOCIK FMLY TR  
2941 MC ALLISTER ST  
RIVERSIDE CA 92503

474 111 26 00 0  
THOMAS R G & CYNDA & HEATHER  
3308 FAIRWAY ST  
CLAREMORE OK 74019-4928

474 111 24 00 4  
THOMAS R G & CYNDA & VELVET R  
3308 FAIRWAY ST  
CLAREMORE OK 74019-4928

474 111 29 00 9  
THOMAS R G & CYNDA D & R G II  
3308 FAIRWAY ST  
CLAREMORE OK 74019-4928

358 051 12 00 5  
TIDWELL DERRIL W & PATRICIA A  
4568 HALE AV  
LA VERNE CA 91750-2531

358 051 11 00 2           **DUP**  
TIDWELL PATRICIA A  
4568 HALE AV  
LA VERNE CA 91750-2531

474 153 03 00 9  
TIMMS DAVID W TR  
P O BOX 1385  
SIMI VALLEY CA 93062

474 153 03 00 9  
TIMMS DAVID W TR  
P O BOX 3387  
SIMI VALLEY CA 93093

474 120 47 00 7  
TIVENS DONALD J & M FAMILY TR  
21250 CALIFA ST STE 113  
WOODLAND HILLS CA 91367-5025

475 171 13 00 7  
TODD MARY LOU B TRUST A  
1051 CLIFF DR  
SANTA BARBARA CA 93109-1774

358 102 50 00 6  
TOLENTINO NINA CRISOSTOMO  
TRUST  
P O BOX 56867  
SHERMAN OAKS CA 91413-6867

358 350 03 00 9  
TOMOOKA FAMILY TRUST  
630 E SUNSET AV  
SANTA MARIA CA 93454

358 091 13 00 0  
TONG NHIEM & LY HUONG P  
PO BOX 2411  
LA HABRA CA 90632-2411

358 082 17 00 6  
TOPPETA MICHAEL  
PO BOX 875  
TEHACHAPI CA 93581-0875

358 101 21 00 5  
TOURYAN JOHN L  
1677 PLATEAU CI  
S LAKE TAHOE CA 95731

358 112 22 00 8  
TRAN SON NGUYEN  
19379 BRIDGEWATER LN  
RIVERSIDE CA 92508-6265

358 091 01 00 5  
TRAN THANH CHI & QUAN THUC  
1609 SOUTHGATE DR  
BAKERSFIELD CA 93304-5152

474 141 08 00 7  
TROPPER TIMOTHEUS FRANZ ERWIN  
7251 MADORA AV  
WINNETKA CA 91306-3026

358 111 34 00 6  
TRUDREAM PROP L L C  
6200 N ROCKSIDE WOODS BL STE 215  
INDEPENDENCE OH 44131-2373

474 120 49 00 3  
TSUJIHARA LIVING TR  
2229 CALIFORNIA AV  
WAHIAWA HI 96786-2803

358 112 23 00 1  
U S A  
450 GOLDEN GATE AVENUE  
SAN FRANCISCO, CA 94102

358 102 14 00 2  
URBANO ROBERT T  
1422 ROCK GLEN AV APT 202  
GLENDALE CA 91205-2029

358 082 21 00 7  
VALDEZ LUIS & BECARRA TERESA  
13306 JUDD ST  
PACOIMA CA 91331

358 061 07 00 4  
VALLEY REALTY INC PROFIT  
SHARING PLAN  
PO BOX 2044  
LANCASTER CA 93539-2044

474 154 06 01 4  
VALLON CLAUDIA RENE  
716 VIA DE LA PAZ  
PACIFIC PALISAD CA 90272-4366

358 092 20 00 7  
VAN KLEEFF GILLIAN LESLEY  
16904 DONWEST  
TUSTIN CA 92780-4056

358 141 14 00 7  
VAUGHAN B SCOTT  
P O BOX 1110  
ROSAMOND CA 93560

358 091 14 01 2  
VELLINGA TRUST  
5110 E ENID AV  
MESA AZ 85206

474 111 20 00 2  
VENTENILLA FRED G  
1336 NEOLA  
EAGLE ROCK CA 90041

474 111 27 00 3  
VENTENILLA LILY GARCIA  
10338 SALA PL  
SUN VALLEY CA 91352

358 061 46 00 7  
VINCELETE ROBERT H JR & TERRY  
ANN FAM TR  
1132 CLOVERDALE CT  
ROSAMOND CA 93560-6622

358 360 14 00 4  
WALSCHOTS BEN C & DARLENE TR  
963 BLUEJAY DR  
SANTA MARIA CA 93455-6324

358 081 26 00 5  
WEHAN JON P  
612 PATRICIA CT  
GARDNERVILLE NV 89460

474 232 06 00 4  
WEIDEMANN CHARLES E  
15234 CAMPUS PARK DR APT B  
MOORPARK CA 93021-1650

474 232 12 00 1  
WEIDEMANN MAY A  
5801 HICKORY DR APT B  
OAK PARK CA 91377-3944

474 120 50 00 5  
WEISS JAMES T LIV TR  
555 FREEMAN RD # 185  
CENTRAL POINT OR 97502-2562

358 092 30 00 6  
WELTER PARTNERS L P  
2751 S CITRUS ST  
WEST COVINA CA 91791-3407

358 112 30 00 1  
WERTHER TARAANNE MARIE  
P O BOX 2405  
ROSAMOND CA 93560

475 172 28 00 8  
WESTPHAL FAMILY TRUST  
5780 N CAMINO PADRE ISODORO  
TUSCON AZ 85718

474 131 07 00 1  
WHITLOCK KATHLEEN M  
3168 AMARILLO AV  
SIMI VALLEY CA 93063-1706

474 131 13 00 8 **DUP**  
WHITLOCK KATHLEEN M  
3168 AMARILLO AV  
SIMI CA 93063-1706

475 172 32 00 9  
WHITWORTH VAUGHAN &  
CAROLYN TR  
4957 ESCALON AV  
LOS ANGELES CA 90043

474 132 06 00 5  
WIDHALM STEVE & NANCY  
FAMILY TRUST  
15521 N DAVIS RD  
LODI CA 95242-9221

358 112 18 00 7 **DUP**  
WIDHALM STEVE & NANCY TR  
15521 N DAVIS RD  
LODI CA 95242-9221

474 231 26 00 5  
WILD FELICISMA M SEPARATE  
PROPERTY TRUST  
349 SPRING CANYON WY  
OCEANSIDE CA 92057-6531

358 112 14 01 4  
WILLHITE ROBERT BRADLEY  
1812 W BURBANK BL # 284  
BURBANK CA 91506-1315

358 092 06 00 7  
WILLIAMS FMLY TR  
PO BOX 2407  
ROSAMOND CA 93560-2407

358 091 03 00 1  
WILSON ROBERT L JR  
5325 S TRIMBLE RD  
ATLANTA GA 30342-2175

358 360 06 00 1  
WING ERNEST QUON  
5 CALLE VERANO  
RANCHO SANTA MA CA 92688-2622

358 101 12 00 9  
WINTERS RAE E & JANET L TR  
51260 W 100TH ST  
ROSAMOND CA 93560

474 120 15 00 4 **INC**  
WITTIG URSULA  
ADDRESS UNKNOWN

474 231 08 00 3  
WON YONG HWA  
449 W FOOTHILL BL  
GLENDDORA CA 91741

358 062 10 00 9  
WUBBENHORST FAMILY TRUST  
431 RAFAEL DR  
ELVERTA CA 95626-9544

358 092 04 00 1  
YABLONSKI FMLY TRUST  
35859 BLACK MARLIN DR  
LEWES DE 19958-5036

358 061 40 00 9  
YETO FAMILY TRUST  
415 FERNWOOD DR  
OXNARD CA 93030-4032

358 082 15 01 9  
YORK RUBY J  
20783 DEERHORN VALLEY RD  
JAMUL CA 91935-7936

474 120 12 00 5  
YOUNG JASON  
6195 105TH ST WEST  
ROSAMOND CA 93560

358 092 16 00 6  
ZERAVICA MINNIE M  
PO BOX 226  
DUNSMUIR CA 96025

358 101 15 00 8  
ZIMMERMAN KRISTY  
3403 W 9TH AV  
HUTCHINSON KS 67501-2834



# 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: BigBeau Solar Project by BigBeau Solar, LLC/EDF Renewables Development, Inc.

Lead Agency: Kern County Planning Department

Contact Person: Carlos E. Rojas

Mailing Address: 2700 "M" Street Suite 100

Phone: (661) 862-5015

City: Bakersfield

Zip: 93301-2323

County: Kern

Project Location: County: Kern City/Nearest Community: Rosamond, Mojave

Cross Streets: West on Rosamond Boulevard, north on 140th Street West, and east on either Avenue of the Stars Zip Code: 93560

Lat. / Long.: 34° 54' 16" N / 118° 23' 8" W

Total Acres: 2,290

Assessor's Parcel No.: Multiple

Section: Multiple Twp.: Multiple Range: Multiple Base: SBB&M

Within 2 Miles: State Hwy #: SR-14 – 12 miles east

Waterways: Los Angeles Aqueduct

Airports: N/A

Railways: N/A

Schools: N/A

## 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 128 MW  
 Waste Treatment: Type \_\_\_\_\_ MGD \_\_\_\_\_  
 Hazardous Waste: Type \_\_\_\_\_  
 Other: \_\_\_\_\_

## Project Issues Discussed in Document:

- |                                                              |                                                                |                                                                     |                                                              |
|--------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------|
| <input checked="" type="checkbox"/> Aesthetic/Visual         | <input type="checkbox"/> Fiscal                                | <input type="checkbox"/> Recreation/Parks                           | <input checked="" type="checkbox"/> Vegetation               |
| <input type="checkbox"/> Agricultural Land                   | <input checked="" type="checkbox"/> Flood Plain/Flooding       | <input 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 type="checkbox"/> Septic Systems                             | <input checked="" type="checkbox"/> Water Supply/Groundwater |
| <input checked="" type="checkbox"/> Archeological/Historical | <input checked="" type="checkbox"/> Geologic/Seismic           | <input 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 type="checkbox"/> Wildlife                            |
| <input type="checkbox"/> Coastal Zone                        | <input checked="" type="checkbox"/> Noise                      | <input checked="" type="checkbox"/> Solid Waste                     | <input type="checkbox"/> Growth Inducing                     |
| <input checked="" type="checkbox"/> Drainage/Absorption      | <input type="checkbox"/> Population/Housing Balance            | <input checked="" type="checkbox"/> Toxic/Hazardous                 | <input type="checkbox"/> Land Use                            |
| <input type="checkbox"/> Economic/Jobs                       | <input checked="" type="checkbox"/> Public Services/Facilities | <input checked="" type="checkbox"/> Traffic/Circulation             | <input checked="" type="checkbox"/> Cumulative Effects       |
| <input type="checkbox"/> Other _____                         |                                                                |                                                                     |                                                              |

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

Scattered Single-family homes. Zoning: A (Exclusive Agriculture); A FP (A, Floodplain Combining); A FPS (A, Floodplain Secondary); A WE (A, Wind Energy) E-20 RS FPS (Estate 20 acres, Residential Suburban, Floodplain Secondary); PL RS FPS (Platted Lands, Residential Suburban, Floodplain Secondary); Kern County General Plan: 4.1 (Specific Plan – Willow Springs); 8.3 (Extensive Ag, 20 acre min); 8.5 (Resource Management, Minimum 20 Acre Size); 8.3 /2.5 (Flood Hazard); 8.5/2.5 (Flood Hazard); Willow Springs Specific Plan: 5.7 (Minimum 5 Gross Acres/Unit); 5.75 (Minimum 10 Gross Acres/Unit); 5.8 (Minimum 20 Gross Acres/Unit)

**Project Description:** (please use a separate page if necessary) BigBeau Solar, LLC by EDF Renewables (project proponent), is a proposed photovoltaic electrical generating facility with capacity to generate up to 128 megawatt hours (MW) of renewable electrical energy and store up to 60 MW energy in a Battery Storage System (BESS). The proposed project is situated on approximately 2,290 acres of privately owned land and 160 acres of land owned by the California State Lands Commission. Implementation of the project as proposed would include: (a) two changes in zone classification from the existing zone district PLS RS FPS (Platted Lands-Residential Suburban Combining-Floodplain Secondary Combining) to A FPS (Exclusive Agriculture) on 66 acres of the project site within zoning Map 215, for portions of the project site within zoning Map 232 from the existing zone district: E (10) RS FPS (Estate) to A FPS on 459.4 acres, E (10) RS GH FPS (Geological Hazard Combining) to A GH FPS on 2.7, E (10) RS MH FPS (Mobilehome Combining) to A FPS on 10.1 acres, E (2 ½) RS FPS to A FPS on 110.9 acres, E (20) RS FPS to A FPS on 633.3 acres, E (20) RS GH FPS to A GH FPS on 9.6 acres, E (5) RS FPS to A FPS on 80.6 acres; (b) Conditional Use Permits to allow for the construction and operation of 128 MW photovoltaic electrical generating facility with up to 60 MW of BESS (Section 19.12.030.G) in an A District; (c) Conditional Use Permit to allow the operation of batch plant (19.12.030.G) in an A District; (d) a Conditional Use Permit for a construction microwave tower (19.12.030.F) in the A zone district; (e) Amendment to the Circulation Element of the Kern

County General Plan to remove sections and midsection line road reservations, as follow: the east half of the Section line between Section 27, T10N, R14W and Section 34, T10N, R14W; the Section line between Section 34, T10N, R14W and Section 3, T9N, R14W; the south half of the Section line between Section 34, T10N, R14W and Section 35, T10N, R14W; the Section line between Section 35, T10N, R14W and Section 2, T9N, R14W; the south half of the north-south mid-section line Section 35, T10N, R14W; (f) Amendment to the Willow Spring Specific Plan to remove sections and midsection line road reservations, as follow: the Section line between Section 4, T9N, R14W and Section 3, T9N, R14W; the north half of the Section line between Section 9, T9N, R14W and Section 10, T9N and R14W; the north half of the north half of the north-south mid-section line of Section 3, T9N, R14W; the north half of the of the north-south mid-section line of Section 10, T9N, R14W; the north half of the north half of the Section line between Section 3, T9N, R14W and Section 2, T9N, R14W; the north half of the north-south mid-section line of Section 2, T9N, R14W (g) vacation of existing public access easements on the project site. The project would be supported by a 220-kV overhead transmission corridor. The project's permanent facilities would include, PV panels, BESS, fencing, a meteorological station, microwave/communication tower, service roads, a power collection system, communication cables, overhead and underground transmission lines, electrical switchyards, project substations, and operations and maintenance facilities.

**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"/> 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"/> California Highway Patrol         | <input type="checkbox"/> Office of Public School Construction                 |
| <input type="checkbox"/> CalFire                                      | <input type="checkbox"/> Parks & Recreation                                   |
| <input type="checkbox"/> S Caltrans District # <u>6 &amp; 9</u>       | <input type="checkbox"/> Pesticide Regulation, Department of                  |
| <input type="checkbox"/> Caltrans Division of Aeronautics             | <input checked="" type="checkbox"/> Public Utilities Commission               |
| <input type="checkbox"/> Caltrans Planning (Headquarters)             | <input 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 type="checkbox"/> Conservation, Department of                  | <input type="checkbox"/> Santa Monica Mountains Conservancy                   |
| <input type="checkbox"/> Corrections, Department of                   | <input type="checkbox"/> 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"/> Energy Commission                 | <input type="checkbox"/> SWRCB: Water Rights                                  |
| <input type="checkbox"/> S Fish & Game Region # <u>Fresno</u>         | <input type="checkbox"/> Tahoe Regional Planning Agency                       |
| <input type="checkbox"/> S Food & Agriculture, Department of          | <input type="checkbox"/> Toxic Substances Control, Department of              |
| <input type="checkbox"/> General Services, Department of              | <input type="checkbox"/> Water Resources, Department of                       |
| <input type="checkbox"/> Health Services, Department of               | <input type="checkbox"/> Other _____                                          |
| <input type="checkbox"/> Housing & Community Development              | <input type="checkbox"/> Other _____                                          |
| <input checked="" type="checkbox"/> Integrated Waste Management Board |                                                                               |
| <input type="checkbox"/> S Native American Heritage Commission        |                                                                               |

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

Starting Date July 30, 2019 Ending Date August 30, 2019

**Lead Agency (Complete if applicable):**

Consulting Firm: _____	Applicant: _____
Address: _____	Address: _____
City/State/Zip: _____	City/State/Zip: _____
Contact: _____	Phone: _____
Phone: _____	

**Signature of Lead Agency Representative:** \_\_\_\_\_ /s/ \_\_\_\_\_ **Date:** 7/30/19

## INITIAL STUDY/NOTICE OF PREPARATION

---

### **BigBeau Solar Project**

by BigBeau Solar, LLC / EDF Renewables Development, Inc.

Zone Change Case No. 13, Map 215  
Zone Change Case No. 44, Map 232  
Conditional Use Permit No. 13, Map 215  
Conditional Use Permit No. 41, Map 232  
Conditional Use Permit No. 14, Map 215  
Conditional Use Permit No. 42, Map 232  
Conditional Use Permit No. 15, Map 215  
Conditional Use Permit No. 43, Map 215  
General Plan Amendment 4, Map 215  
Specific Plan Amendment 32, Map 232

(PP19161)

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#### **LEAD AGENCY:**



Kern County Planning and Natural Resources Department  
2700 M Street, Suite 100  
Bakersfield, CA 93301-2370

Contact:

Mr. Carlos E. Rojas, Planner III  
*(661) 862-5015; CRojas@kerncounty.com*

**July 2019**





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## 1.0 PROJECT DESCRIPTION

### 1.1 Project Location

The BigBeau Solar Project (project) is a proposal by BigBeau Solar, LLC (project proponent/operator) to construct and operate a photovoltaic (PV) solar facility and associated infrastructure necessary to generate a combined 128 megawatts (MW) (alternating current or “AC”) of renewable electrical energy and up to 60 MW of a Battery Storage System (BESS) on approximately 2,290 acres of land. The project site encompasses a study area that includes one parcel, approximately 160 acres in area, owned by the California State Lands Commission (Commission). The other land parcels have either been purchased, leased, or are in the process of purchase or lease acquisition by the project proponent.

The project site is located generally west of the unincorporated community of Willow Springs in southcentral Kern County, California (**Figure 1, Vicinity Map**). The project site is generally bound by Avenue of the Stars to the South, the intersection of 125th Street and Champagne Avenue to the north, 135th Street West to the west and 105th Street West to the east.

The project area is on the gentle south-facing slopes below the Tehachapi Mountains, a relatively featureless portion of the northwestern end of the Antelope Valley with an elevation of 850 to 915 meters (2,800 to 3,000 feet) above mean sea level (amsl). This area is geographically defined by the intersection where the Tehachapi Mountains meet the Transverse Range.

The project is approximately 38 miles southeast of the City of Bakersfield, 13 miles south of the City of Tehachapi, and 1.9 miles northwest of the unincorporated community of Rosamond. Other communities within the vicinity of the proposed project site include California City in Kern County and the cities of Lancaster and Palmdale in Los Angeles County, which are roughly 17 miles northeast, 9 miles southeast, and 24 miles southeast of the project, respectively. Edwards Air Force Base is 22 miles east of the project’s eastern boundary.

Primary access to the project site from the regional transportation system would be gained by exiting State Route (SR) 14 on to Rosamond Boulevard. SR 14 (Antelope Valley Freeway) is 9 miles east of the project site. West on Rosamond Boulevard, north on 140th Street West, and east on either Avenue of the Stars or Hamilton Road are the proposed primary access routes.

The project site is within the U.S. Geological Survey (USGS) 7.5-minute series, Tylerhorse Canyon and Willow Springs, California, topographic quadrangle. The project is located in the following Sections, Townships, and Ranges: Sections 27, 34 and 35 of Township 10 North, Range 14 West & Section 2, 3, 4, 9 and 10 of Township 9 North, and Range 14 West in the East San Bernardino Base and Meridian (SBB&M).

### 1.2 Environmental Setting

The project site is located on approximately 2,290 acres of privately-owned land and includes one parcel owned by the Commission (**Figure 2, Project Site Boundary and Site Plan**) and the site is generally characterized as undeveloped range land with scattered rural residences in the vicinity. Historic land uses in the vicinity of the project included livestock grazing, mining and open space activities such as off road vehicle use. Recent development in the vicinity includes renewable energy facilities and supporting infrastructure. Current land use within the project site includes several Southern California Edison (SCE) towers.

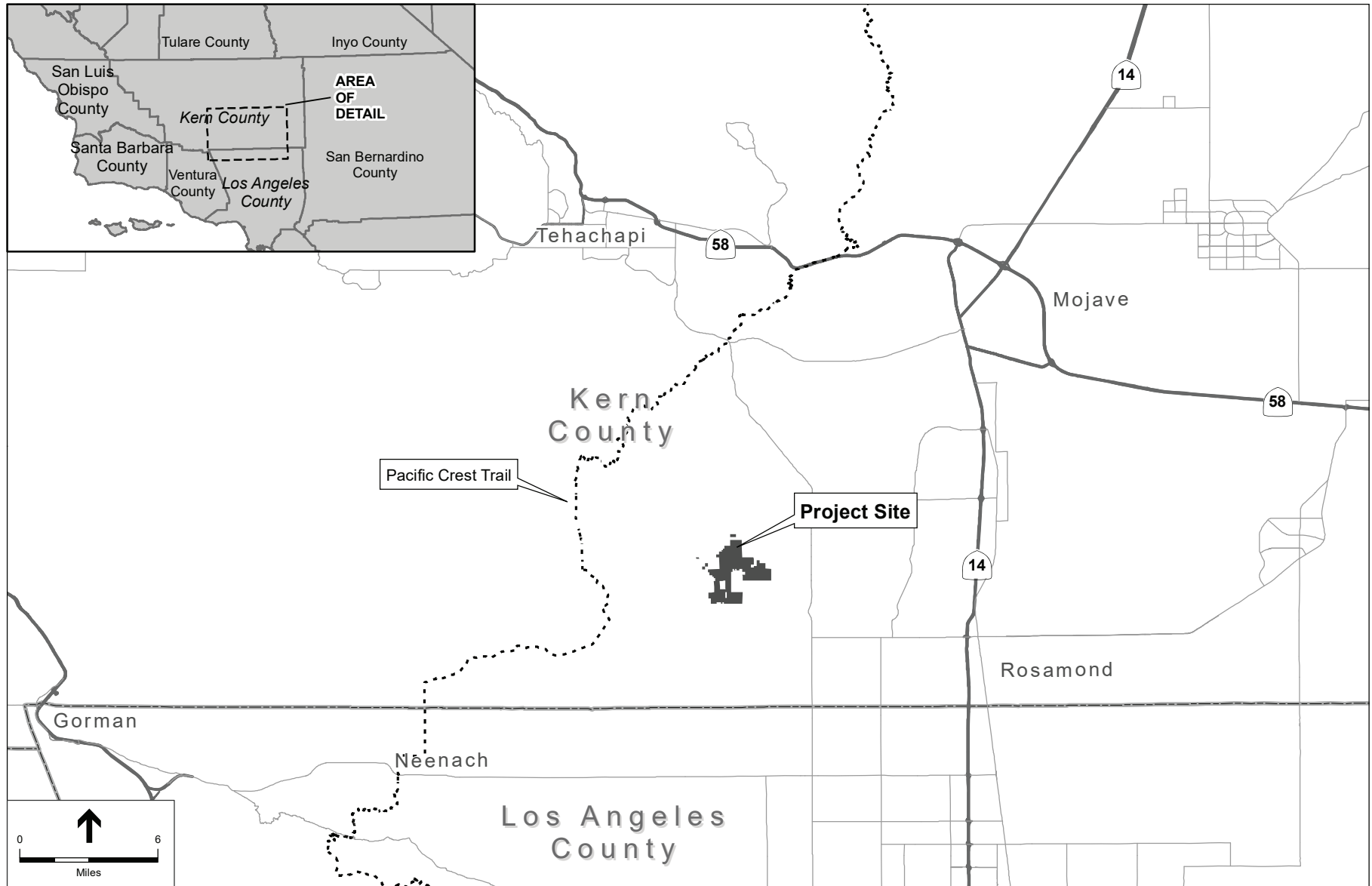


FIGURE 1: SITE VICINITY



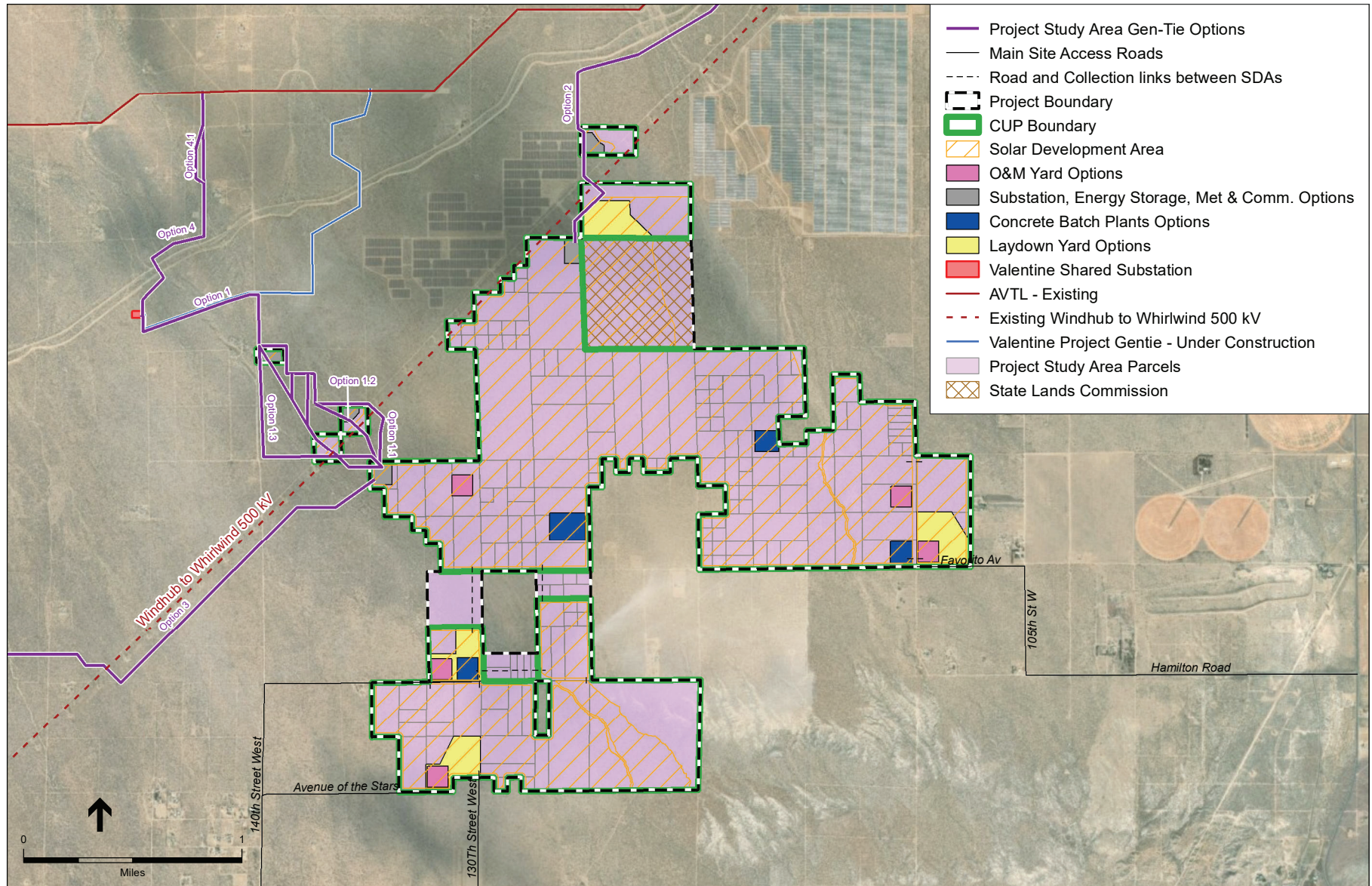


FIGURE 2: PROJECT SITE BOUNDARY AND SITE PLAN



The project site is also crossed by the SCE transmission corridor. This 200/500kV corridor is a newly constructed line through the project site as part of the SCE’s Tehachapi Renewable Transmission Project (TRTP) to connect SCE’s Vincent Substation with SCE’s Windhub Substation.

The project site is not located within an area that is designated by the California Department of Conservation (CDC) as Prime Farmland, Farmland of Statewide Importance, or Unique Farmland. However, 954 acres of the project site are within Agricultural Preserve No. 24, as is the standard practice in Kern County for any land that is zoned A (Exclusive Agriculture).

The project is not within the boundaries of any airport as identified in the Kern County Airport Land Use Compatibility Plan. The closest public airport is the Rosamond Skypark, which is located approximately 9 miles to the southeast. The project site is within the Mojave Air Basin.

The project site lies within the boundaries of the Kern County General Plan (KCGP) with the southern portion of the project site located within the boundaries of the Willow Springs Specific Plan. The existing designations are listed in **Table 1, Project Site and Surrounding Land Uses**, below, and depicted in **Figure 3, General Plan Designations**, and **Figure 4, Existing Zoning Classifications**. The entire project is also subject to the provisions of the Kern County Zoning Ordinance and is zoned as specified in Table 1, *Project Site and Surrounding Land Uses*, below.

**TABLE 1. PROJECT SITE AND SURROUNDING LAND USES**

	<b>Existing Land Use</b>	<b>Existing General Plan Designation</b>	<b>Existing Zoning Classification</b>
<b>Project Site</b>	Vacant Land	4.1 (Specific Plan – Willow Springs); 8.3 (Extensive Ag, 20 acre min); 8.5 (Resource Management, Minimum 20 Acre Size); 8.3 /2.5 (Flood Hazard); 8.5/2.5 (Flood Hazard); <i>Willow Springs Specific Plan:</i> 5.7 (Minimum 5 Gross Acres/Unit); 5.75 (Minimum 10 Gross Acres/Unit); 5.8 (Minimum 20 Gross Acres/Unit)	A (Exclusive Agriculture); A FP (A, Floodplain Combining); A FPS (A, Floodplain Secondary); A WE (A, Wind Energy) E-20 RS FPS (Estate 20 acres, Residential Suburban, Floodplain Secondary); PL RS FPS (Platted Lands, Residential Suburban, Floodplain Secondary)
<b>North</b>	Solar Energy, Scattered Single-family homes; Vacant Land	8.3 (Extensive Agriculture, Minimum 20 Acre Parcel Size) 8.3/2.5 (Flood Hazard); 8.5 (Resource Management, Minimum 20 Acre Size)	A (Exclusive Agriculture); A FP (A, Floodplain Combining); A FPS (A, Floodplain Secondary); A WE (A, Wind Energy); PL RS (Platted Land, Residential Suburban); PL RS FPS (Platted Lands, Residential Suburban, Floodplain Secondary)
<b>South</b>	Scattered Single-family homes; Vacant Land	4.1 (Specific Plan – Willow Springs) <i>Willow Springs Specific Plan:</i> 5.7 (Minimum 5 Gross Acres/Unit); 5.75 (Minimum 10 Gross Acres/Unit) ; 5.8 (Minimum 20 Gross Acres/Unit)	E-5 RS FPS (Estate 5 acres, Residential Suburban, Floodplain Secondary); E-10 RS FPS (Estate 10 Acres, RS FPS); E-20 RS FPS (Estate 10 Acres, RS FPS)



	Existing Land Use	Existing General Plan Designation	Existing Zoning Classification
East	Scattered Single-family homes; Solar Energy; Vacant Land	4.1 (Specific Plan); 8.5 (Resource Management, Minimum 20 Acre Parcel Size) <i>Willow Springs Specific Plan:</i> 5.8 (Minimum 20 Gross Acres/Unit)	A (Exclusive Agriculture); A FP (A, Floodplain Combining); A FPS (A, Floodplain Secondary); E-20 RS FPS (Estate 20 Acres, Residential Suburban, Floodplain Secondary); PL RS (Platted Land, Residential Suburban); PL RS FPS (Platted Lands, Residential Suburban, Floodplain Secondary)
West	Wind & Solar Energy; Vacant Land	4.1 (Specific Plan – Willow Springs); 8.3 (Extensive Ag, 20 acre min); 8.5 (Resource Management, Minimum 20 Acre Size) <i>Willow Springs Specific Plan:</i> 1.1 (State or Federal Land); 5.8 (Minimum 20 Gross Acres/Unit); 8.5 (Resource Management, Minimum 20 Acre Size)	A (Exclusive Agriculture); A FP (A, Floodplain Combining); A FPS (A, Floodplain Secondary); A WE (A, Wind Energy)

**TABLE 2: PROJECT ASSESSOR PARCEL NUMBERS (APNs)**

Map 215				
474-131-03	474-132-07	474-231-14	474-231-37	474-232-21
474-131-04	474-132-08	474-231-15	474-232-01	474-232-22
474-131-06	474-132-09	474-231-16	474-232-03	474-232-23
474-131-12	474-132-10	474-231-17	474-232-04	474-232-24
474-131-18	474-132-12	474-231-19	474-232-05	474-232-25
474-131-19	474-132-13	474-231-20	474-232-06	474-232-26
474-131-20	474-132-14	474-231-21	474-232-07	474-232-27
474-131-21	474-153-25	474-231-23	474-232-08	474-232-28
474-131-22	474-231-01	474-231-24	474-232-09	474-232-29
474-131-25	474-231-02	474-231-26	474-232-10	474-232-30
474-131-26	474-231-03	474-231-27	474-232-11	474-232-31
474-131-27	474-231-04	474-231-28	474-232-12	474-232-32
474-131-28	474-231-05	474-231-29	474-232-13	474-232-33
474-132-01	474-231-07	474-231-30	474-232-14	474-232-34
474-132-02	474-231-08	474-231-31	474-232-16	474-232-35
474-132-03	474-231-09	474-231-32	474-232-17	474-171-22
474-132-04	474-231-10	474-231-33	474-232-18	475-171-23
474-132-05	474-231-11	474-231-34	474-232-18	475-171-24
474-132-06	474-231-13	474-231-35	474-232-20	475-171-25



<b>Map 232</b>				
358-010-01	358-061-43	358-101-04	358-102-32	358-112-25
35-051-01	358-061-44	358-101-05	358-102-33	358-112-26
358-051-02	358-061-46	358-101-06	358-102-35	358-112-28
358-061-01	358-061-47	358-101-07	358-102-36	358-112-29
358-061-02	358-081-01	358-101-08	358-102-37	358-112-30
358-061-04	358-081-02	358-101-09	358-102-39	358-112-31
358-061-05	358-081-03	358-101-11	358-102-40	358-112-32
358-061-06	358-081-04	358-101-12	358-102-41	358-141-16
358-061-07	358-081-05	358-101-13	358-102-43	358-141-19
358-061-08	358-081-06	358-101-15	358-102-45	358-141-20
358-061-09	358-081-07	358-101-16	358-102-47	358-141-21
358-061-10	358-081-08	358-101-17	358-102-49	358-141-27
358-061-11	358-081-09	358-101-18	358-102-50	358-141-28
358-061-12	358-081-10	358-101-19	358-102-51	358-141-29
358-061-13	358-081-11	358-101-20	358-102-52	358-141-30
358-061-14	358-081-12	358-101-21	358-102-53	358-141-31
358-061-15	358-081-13	358-102-03	358-102-54	358-141-32
358-061-16	358-081-15	358-102-05	358-112-01	358-141-33
358-061-17	358-081-16	358-102-09	358-112-02	358-141-34
358-061-19	358-081-17	358-102-10	358-112-03	358-141-35
358-061-20	358-081-18	358-102-12	358-112-04	358-141-36
358-061-21	358-081-19	358-102-13	358-112-05	358-141-40
358-061-22	358-081-20	358-102-14	358-112-06	358-141-41
358-061-23	358-081-21	358-102-15	358-112-07	358-141-42
358-061-24	358-081-22	358-102-16	358-112-09	358-240-05
358-061-25	358-081-23	358-102-18	358-112-10	358-240-06
358-061-26	358-081-24	358-102-19	358-112-11	358-240-08
358-061-27	358-081-25	358-102-21	358-112-12	358-240-28
358-061-30	358-081-26	358-102-22	358-112-13	358-240-29
358-061-31	358-081-27	358-102-23	358-112-14	358-240-31
358-061-32	358-081-28	358-102-24	358-112-15	358-240-32
358-061-33	358-081-29	358-102-25	358-112-16	358-240-33
358-061-36	358-081-30	358-102-26	358-112-17	358-240-34
358-061-37	358-081-32	358-102-27	358-112-18	358-240-35
358-061-38	358-081-33	358-102-28	358-112-19	358-240-36
358-061-40	358-081-34	358-102-29	358-112-20	358-240-37
358-061-41	358-101-01	358-102-30	358-112-22	358-240-38
358-061-42	358-101-02	358-102-31	358-112-24	

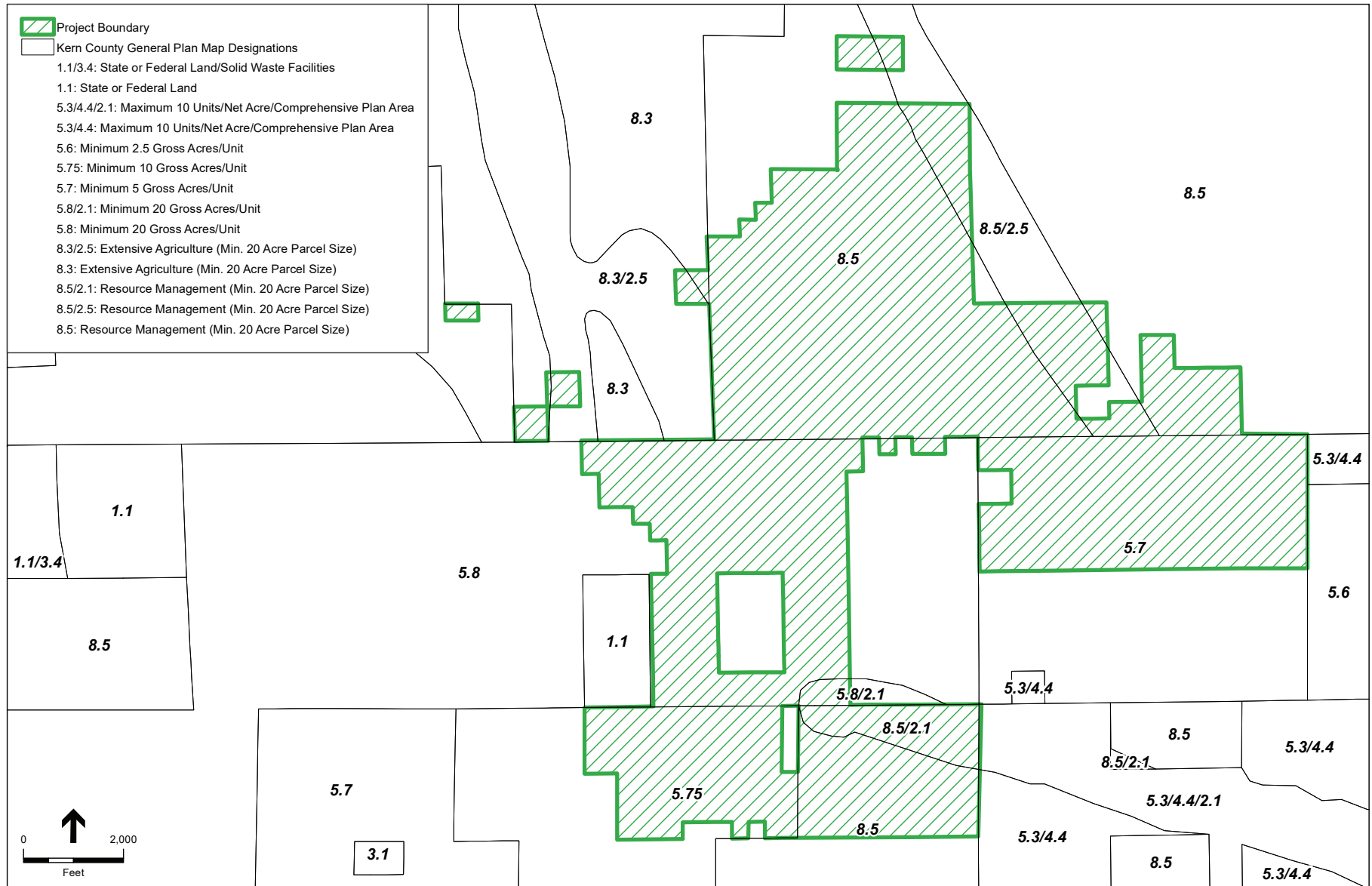


FIGURE 3: GENERAL PLAN AND LAND USE DESIGNATIONS

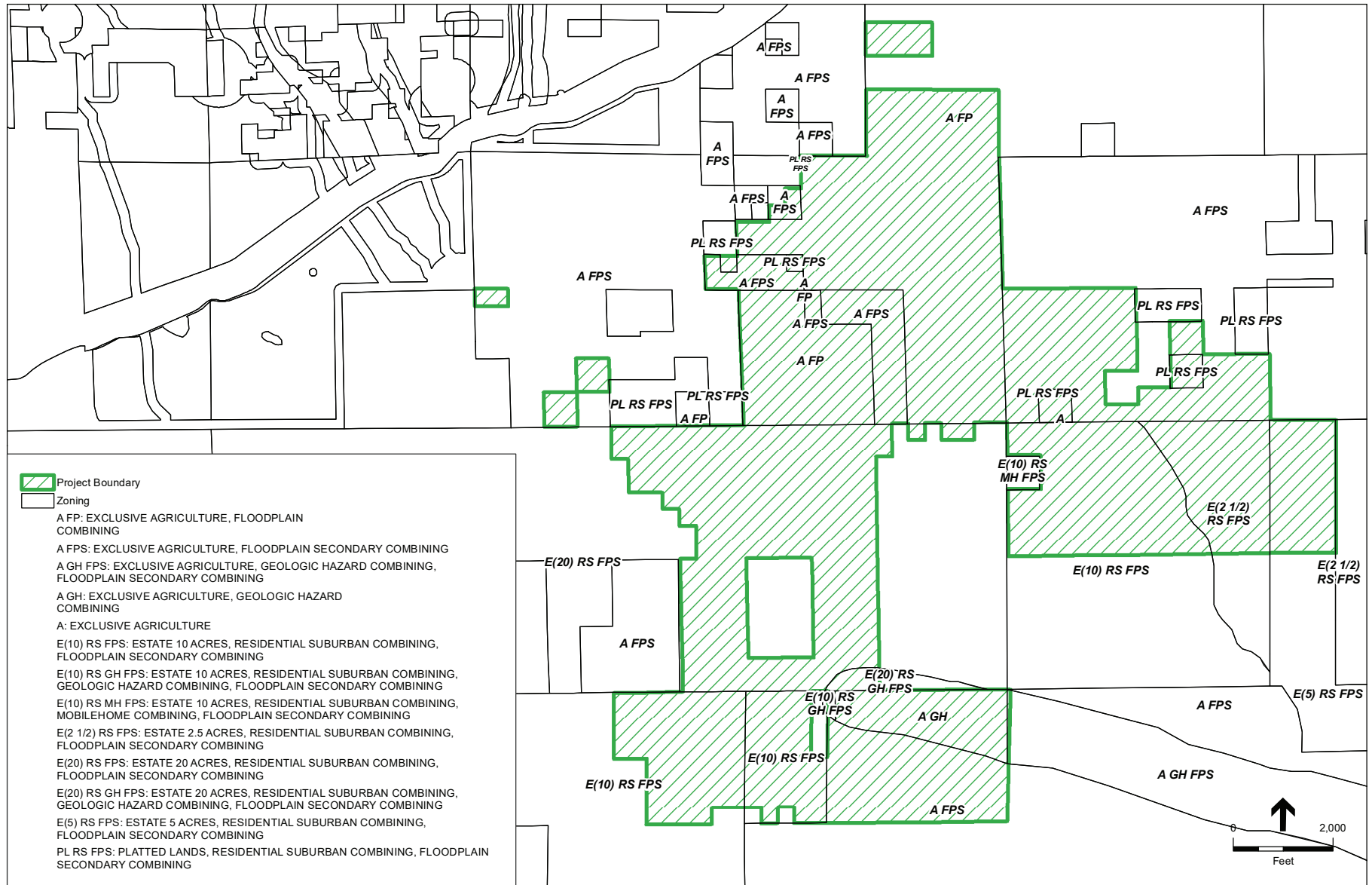


FIGURE 4: EXISTING ZONING CLASSIFICATIONS



## Surrounding Land Uses

Existing development in the area includes rural access roads, scattered rural residences, producing and non-producing water wells, off-highway vehicle use, open range grazing and maintenance facilities, mining, wind and solar energy, and planned/existing met towers. A portion of the Pacific Crest Trail (PCT) runs approximately 2.54 miles southwest of the project site.

There are several existing, permitted, solar energy, wind energy, and transmission projects in the region where the project site is located, as shown in **Figure 5, Surrounding Solar Projects**. The Catalina Renewable Energy Project, located immediately north of the project's northeastern boundary, was approved by the Board of Supervisors in December 2011, with an Addendum approved by the Board of Supervisors in March 2014. Currently, 128 MW are operational, 110 MW (Catalina Solar) and 18 MW (Catalina Solar 2) was completed in 2015. The Valentine Solar Project, located to the west of the proposed project, was approved by the Board of Supervisors in June 2016, is currently under construction, and will be operational as of December 2019. Additionally, the AVEP Solar Project is currently undergoing environmental review and is proposed just south of the project site. The following projects have been approved in Eastern Kern County: The Pacific Wind and PDV Manzanita, the Beacon Photovoltaic Project, GE Energy LLC, LADWP, RE Distributed Solar Projects (Barren Ridge 1, Columbia One, Columbia Two, Great Lakes), Rosamond Solar Project, Kingbird Solar, SEPV Mojave West Solar Project Fremont Solar (Springbok 2 Solar Farm) Project.

## 1.3 Project Description

### Project overview

BigBeau Solar, LLC by EDF Renewables (project proponent), is a proposed photovoltaic electrical generating facility with capacity to generate up to 128 megawatt hours (MW) of renewable electrical energy and store up to 60 MW energy in a Battery Storage System (BESS). The proposed project is situated on approximately 2,290 acres of privately owned land and 160 acres of land owned by the California State Lands Commission.

Implementation of the project as proposed would include: (a) two changes in zone classification from the existing zone district PLS RS FPS (Platted Lands-Residential Suburban Combining-Floodplain Secondary Combining) to A FPS (Exclusive Agriculture) on 66 acres of the project site within zoning Map 215, for portions of the project site within zoning Map 232 from the existing zone district: E (10) RS FPS (Estate) to A FPS on 459.4 acres, E (10) RS GH FPS (Geological Hazard Combining) to A GH FPS on 2.7, E (10) RS MH FPS (Mobilehome Combining) to A FPS on 10.1 acres, E (2 ½) RS FPS to A FPS on 110.9 acres, E (20) RS FPS to A FPS on 633.3 acres, E (20) RS GH FPS to A GH FPS on 9.6 acres, E (5) RS FPS to A FPS on 80.6 acres (see **Figure 6, Proposed Zoning Classifications**); (b) Conditional Use Permits to allow for the construction and operation of 128 MW photovoltaic electrical generating facility with up to 60 MW of BESS (Section 19.12.030.G) in an A District; (c) Conditional Use Permit to allow the operation of batch plant (19.12.030.G) in an A District; (d) a Conditional Use Permit for a construction microwave tower (19.12.030.F) in the A zone district; (e) Amendment to the Circulation Element of the Kern County General Plan to remove sections and midsection line road reservations, as follow: the east half of the Section line between Section 27, T10N, R14W and Section 34, T10N, R14W; the Section line between Section 34, T10N, R14W and Section 3, T9N, R14W; the south half of the Section line between Section 34, T10N, R14W and Section 35, T10N, R14W; the Section line between Section 35, T10N, R14W and Section 2, T9N, R14W; the south half of the north-south mid-section line Section 35, T10N, R14W; (f) Amendment to the Willow Spring Specific Plan to remove sections and midsection line road reservations, as follow: the Section line between Section 4, T9N, R14W and Section 3, T9N, R14W; the north half of the Section line between Section 9, T9N, R14W and Section 10, T9N and R14W; the north half of the north half of the north-south mid-section line of Section 3, T9N, R14W; the north half of the of the north-south mid-section line of Section 10, T9N, R14W; the north half of the north half of the Section line between Section 3, T9N,

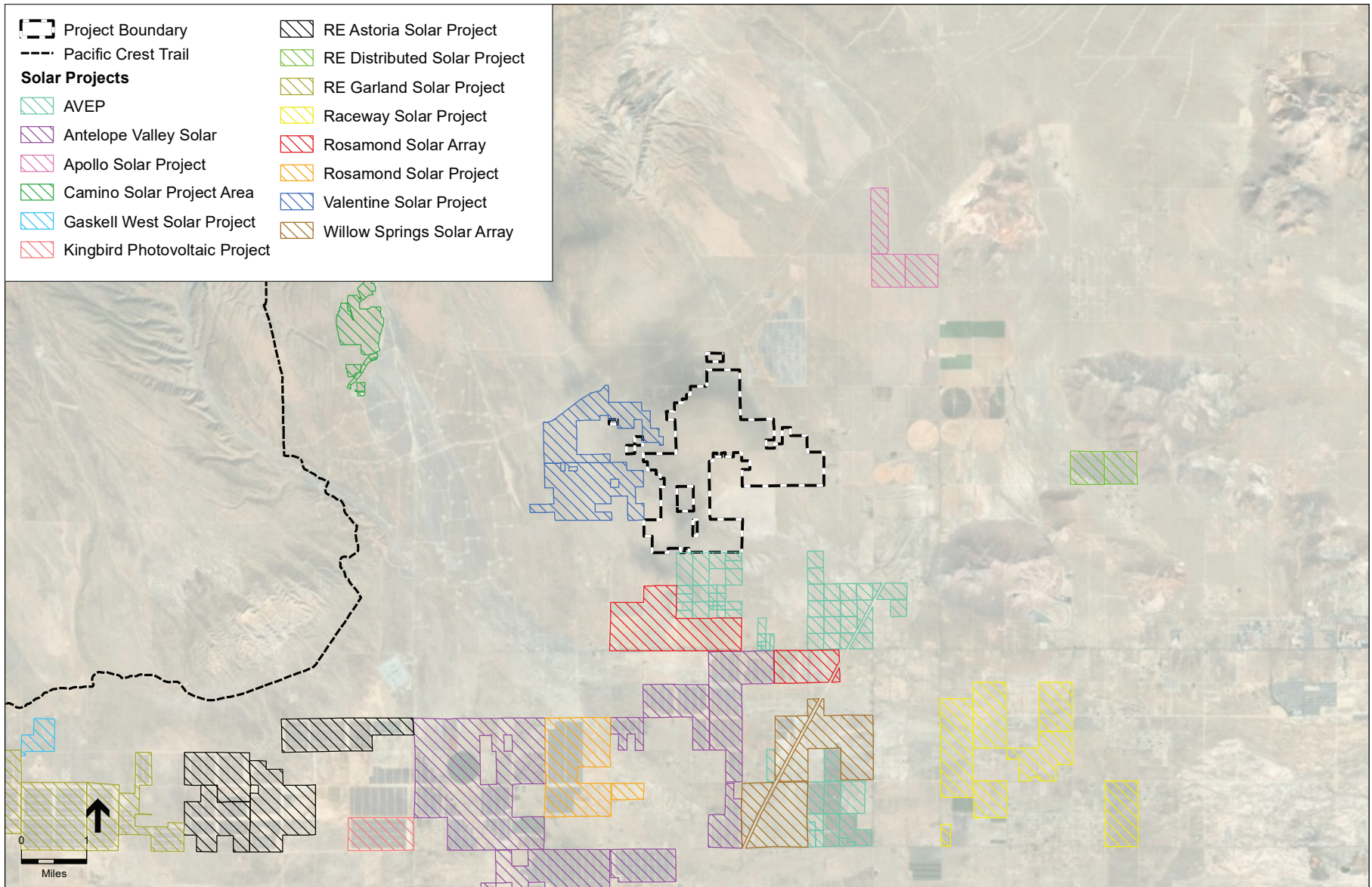


FIGURE 5: SURROUNDING SOLAR PROJECTS



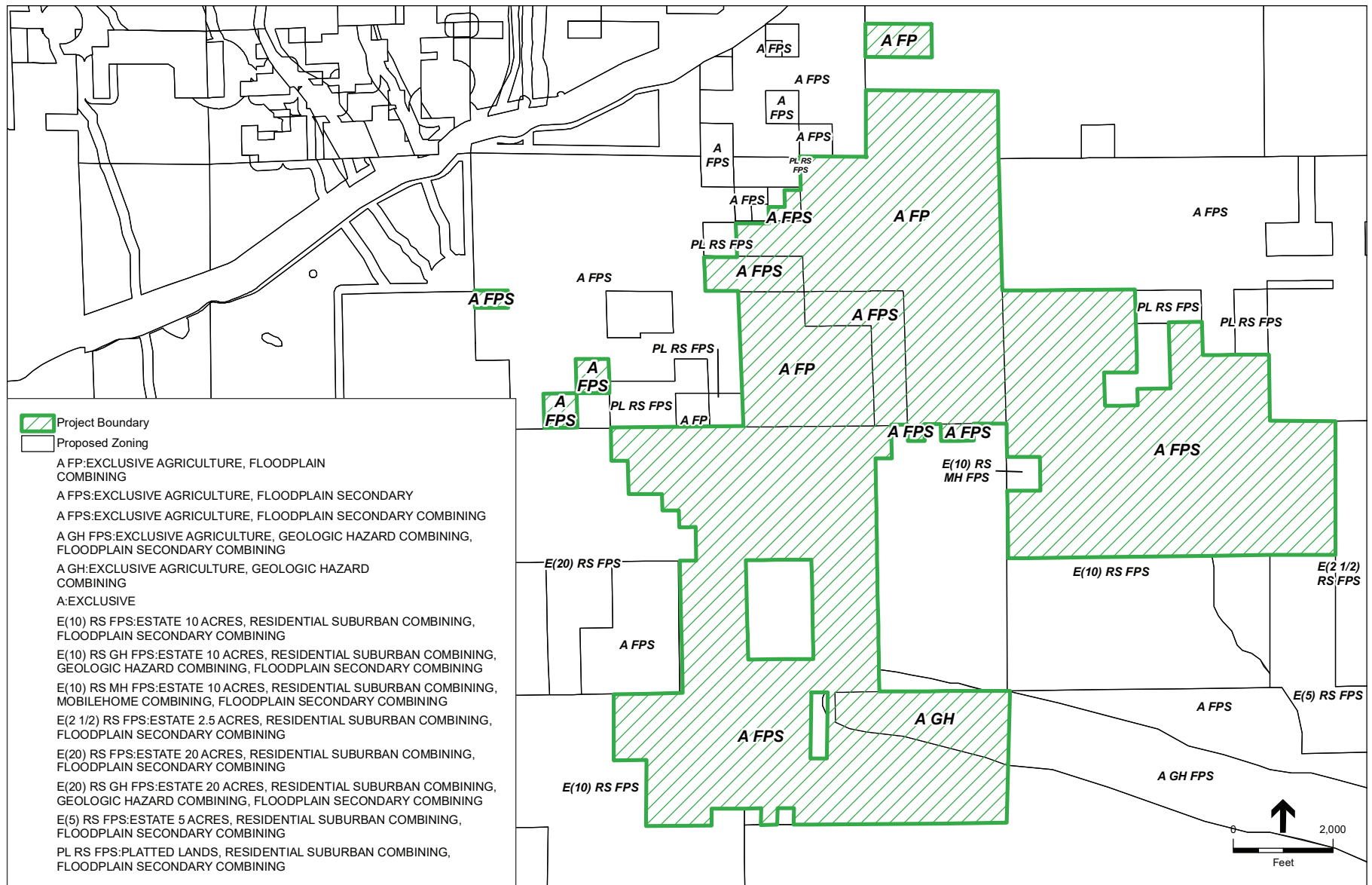


FIGURE 6: PROPOSED ZONING



R14W and Section 2, T9N, R14W; the north half of the north-south mid-section line of Section 2, T9N, R14W (g) vacation of existing public access easements on the project site. The project would be supported by a 220-kV overhead transmission corridor. The project's permanent facilities would include PV panels, BESS, fencing, a meteorological station, microwave/communication tower, service roads, a power collection system, communication cables, overhead and underground transmission lines, electrical switchyards, project substations, and operations and maintenance facilities.

The purpose of the requested FP Combining District is to protect the public health and safety and minimize property damage by designating areas that are potentially subject to flooding and by establishing reasonable restrictions on land use in such areas. The FP Combining District shall be applied to those areas lying within Zone A on the Flood Insurance Rate Map (FIRM) (see **Figure 7, Flood Map**) or those areas potentially subject to flooding as designated by the Kern County Engineering, Surveying and Permit Services Department pending reclassification of such areas into the Floodplain Primary (FPP) Combining District or Floodplain Secondary (FPS) Combining District. The regulation established by the FP Combining District shall be in addition to the regulations of the base district with which the FP Combining District is combined.

The project's preferred and alternative generation-tie (gen-tie) routes would connect to either the Valentine Solar or Rose Meadow Substations, only one of which would be constructed. Ultimately, the power would be transmitted via the existing transmission route to the SCE Whirlwind Substation. Depending on the gen-tie route selected, the project would be interconnected by a 2 mile generation tie-line into the existing transmission corridor that was built in support of the Catalina Renewable Energy and Pacific Wind Energy Projects to the north of the project. The transmission line would connect to 5 miles of existing power lines and connect into the Rose Meadow Substation and subsequently into the SCE Whirlwind Substation. The Catalina Renewable Energy Project and the Pacific Wind Energy Project's generation tie-line and connection to the SCE Whirlwind Substation were previously analyzed and approved via a certified EIR. Therefore, no further analysis of the generation tie-line's extension beyond the project boundary is required.

The facility would include the construction of one on-site substation facility which would collect the power generated onsite and convert it from 34.5 kV to 220 kV of power for transmission in an overhead or underground line to the SCE transmission system and interconnection location. Construction and operation of the proposed substation would affect approximately 6 acres. (Figure 2, *Project Site Boundary and Site Plan*).

Water would be provided to the project via an offsite water service (to serve non-potable demands) and via bottled drinking water.

## **1.4 Project Facilities and Operations**

### ***Solar Generator and Power Conversion Stations (Inverters)***

The proposed project would utilize up to 128 MW PV system blocks to convert solar energy directly to electrical power for export to the electrical grid. Solar power is generated through PV modules converting sunlight striking the modules directly to low-voltage direct-current (DC) power, which is subsequently transformed to AC power via an inverter that is placed on site. The proposed project would develop modules utilizing either fixed tilt or tracker technology. Trackers tilt the panels to follow the course of the sun, optimizing the incident angle of sunlight on their surface. The PV panel modules are mounted on steel support posts that are pile driven into the ground. The arrays are typically placed on an aluminum rail, such that with a maximum tilt of 60 degrees, the top of the array would be a maximum of 18 feet above grade at the tallest point and approximately 2 feet above the grade at the lowest point.

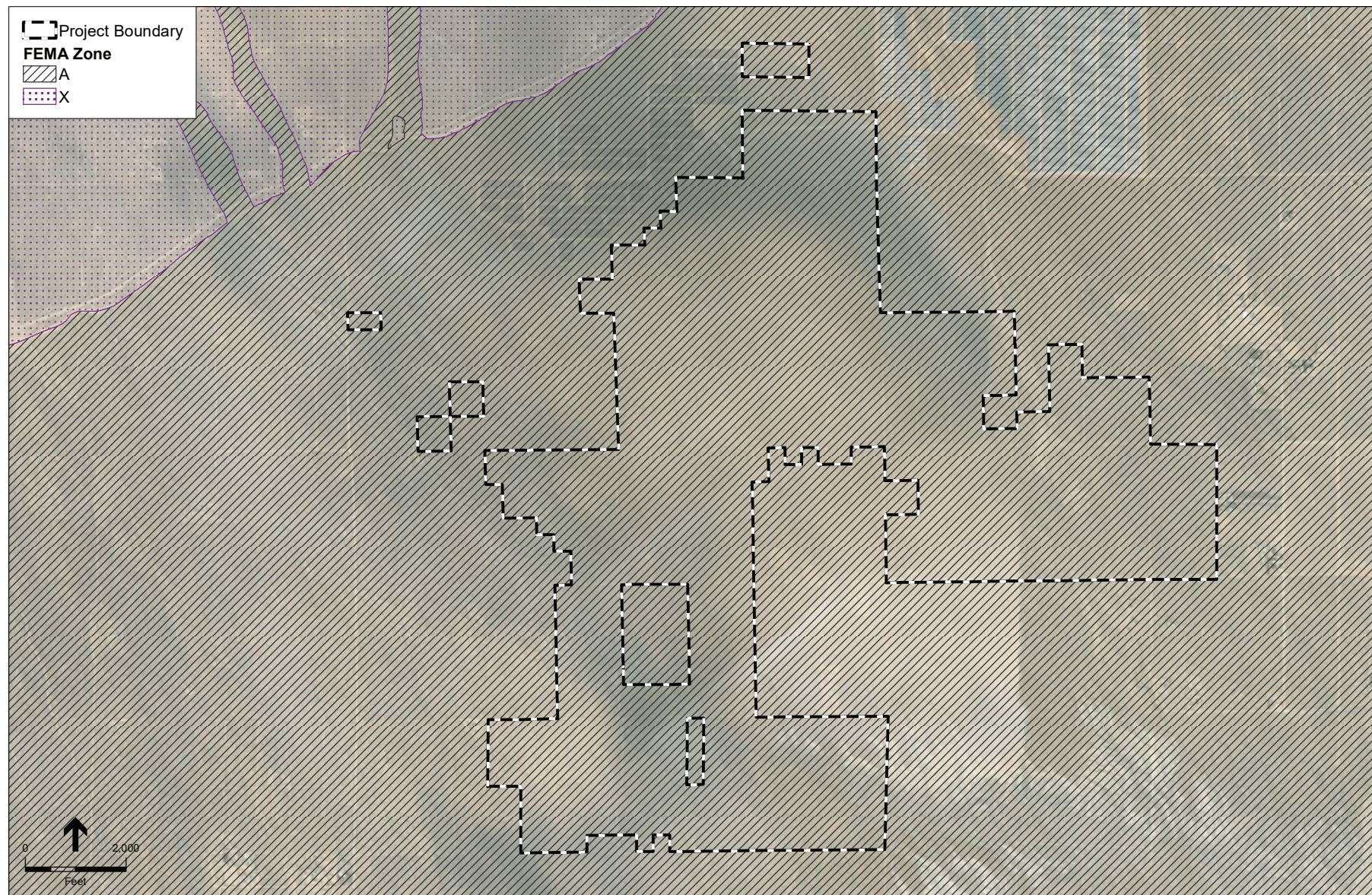


FIGURE 7: FEMA FLOOD ZONE HAZARD



The PV modules are made of semiconductor material encapsulated in glass in which the PV effect converts light (photons) into electrical current. PV is best known as a method for generating electric power by using solar cells to convert energy from the sun into electricity. Energy from the sun is transmitted to the Earth as photons, which contain different levels of energy corresponding to different frequencies of the solar spectrum. When a photon is absorbed by a PV cell, the energy of the photon is transferred to an electron in an atom within the PV cell. This added energy allows the electron to escape from the atom to become part of the current in an electrical circuit.

Within the proposed solar arrays located across the project site would be power conversion stations (PCS), also known as inverters that would contain at a minimum one inverter and one transformer. Inverters are usually housed within an enclosed structure, which helps to reduce the resulting operational noise levels. In addition, PCS would also be anticipated to include an exhaust fan, as well as a heating, ventilation, and air conditioning (HVAC) system, which is typically mounted to the exterior of the enclosure. Noise levels generated by PCS would be associated with operation of the inverters, transformer, exhaust fans, and HVAC systems.

### **Access and Maintenance Roads**

The project site can be accessed from various separate routes (**Figure 8, Project Access Routes**). Primary access to the project from the regional transportation system would be gained by exiting SR 14 on to Rosamond Boulevard. SR 14 (Antelope Valley Freeway) is 9 miles to the east of the project area. West on Rosamond Boulevard, north on 140th Street West, and east on either Avenue of the Stars or Hamilton Road are the proposed primary access routes. Other routes for project access include Avenue of the Stars, 130th Street West, and Favorito Avenue east of 110th Street West.

While existing roads would be utilized to the greatest extent possible, potential new unpaved roads may need to be constructed off site to serve as access roads from the existing road network to the project. New roads would be installed between the southern array area and the northern array area of the project. A 20-foot-wide minimum road is required around the perimeter of the solar arrays for the fire department and emergency vehicles. Additional internal maintenance roads would be located throughout the project area. Spacing between each row would depend on final panel type, orientation, and any County regulations. Internal access roads would be up to 20 feet wide and would be cleared and compacted for equipment and emergency vehicle travel and access to the solar blocks. These project site access roads would remain in place for ongoing operations and maintenance activities after construction is completed.

### **Gen-tie and Electrical Collection System**

The proposed project includes preferred and alternative gen-tie routes, although only one route would be constructed. The selected gen-tie would be constructed within its 125-foot-wide corridor and would consist of the utility poles, cabling, trenches, and a corresponding dirt maintenance road. Utility trench elements would be incorporated into the shoulder of the roads. The utility trenches would not add to the footprint of the gen-tie maintenance road. All utility poles associated with gen-tie would be erected inside the limits of the corridor.

The proposed project's preferred gen-tie line (Gen-tie Option 1) would exit the project boundary heading northwest approximately 2 miles where it would connect into the existing substation at the Valentine Solar Project (see **Figure 9, Gen-Tie Routes**). From there the transmission would utilize Valentines existing built facility to connect on to the Catalina Solar and Pacific Wind Transmission line, the Valentine gen-tie route, Catalina Solar and Pacific Wind gen-tie lines and connection into the SCE Whirlwind Substation were previously analyzed, approved via certified EIR and built accordingly. As shown on Figure 9, *Gen-Tie Routes*, other potential alternative routes for a portion of Gen-tie Option 1 are under consideration and are shown as Options 1.1, 1.2, and 1.3.

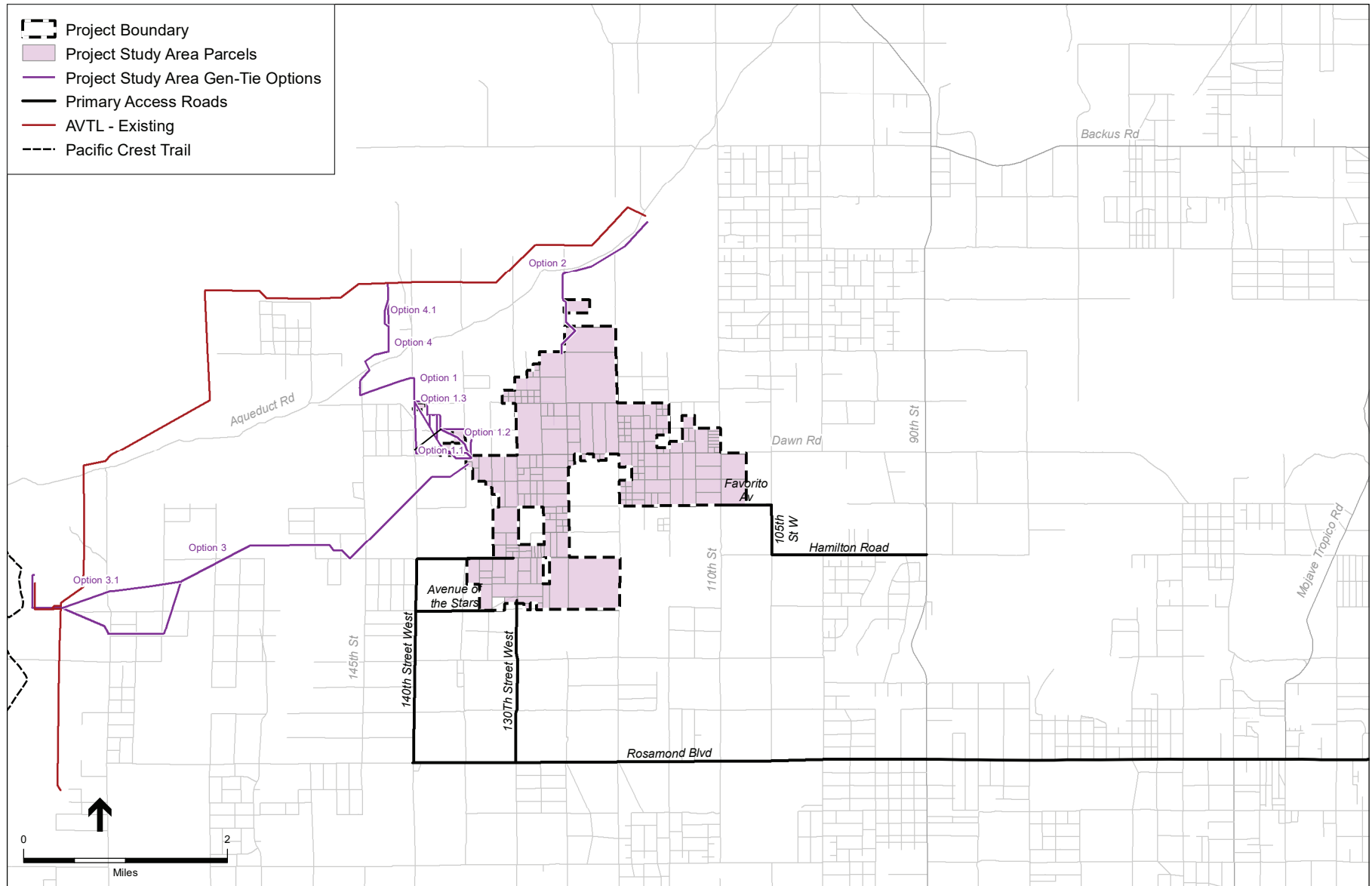


FIGURE 8: PROJECT ACCESS ROUTES

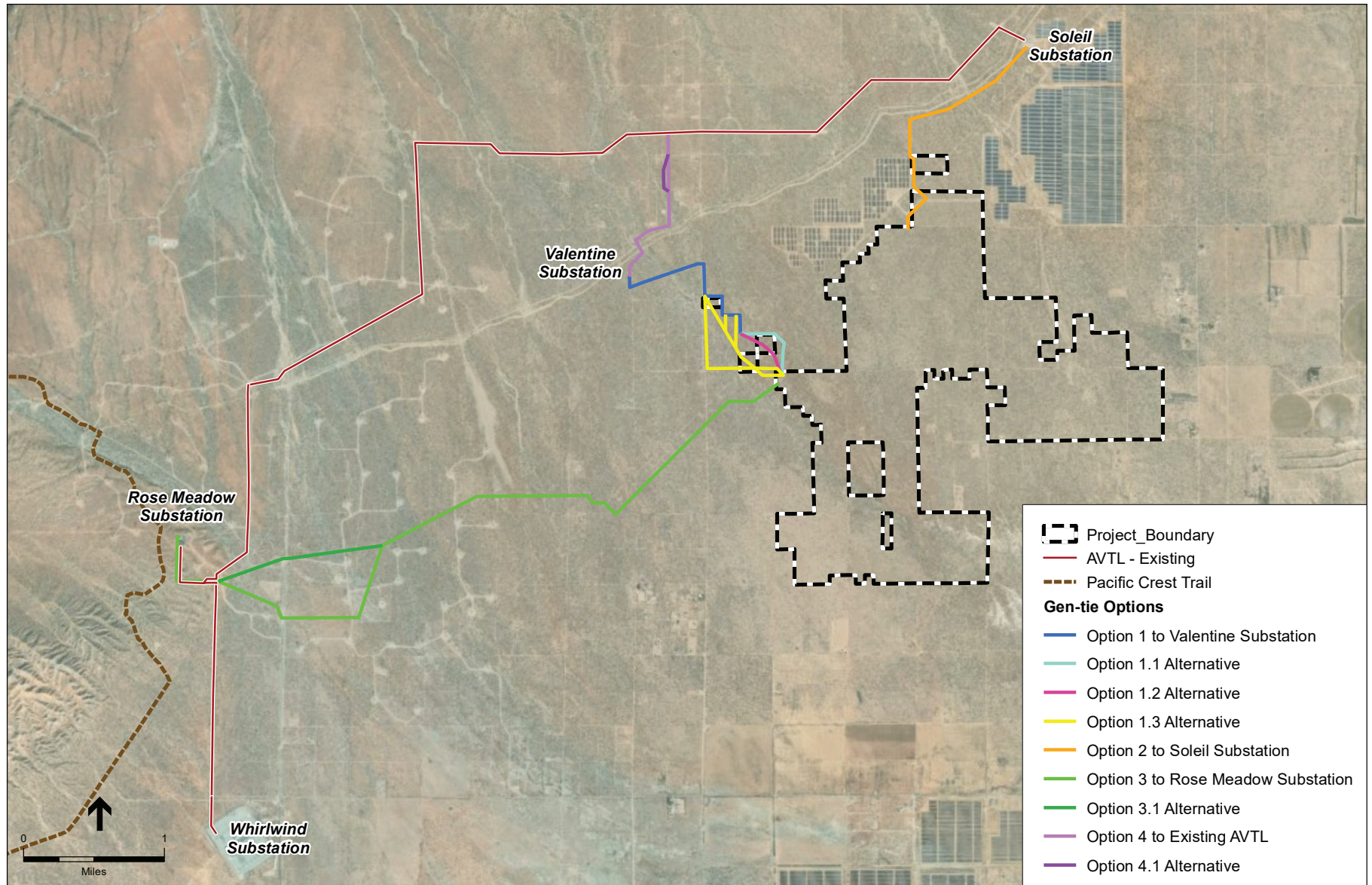


FIGURE 9: GEN-TIE ROUTES



Gen-tie Option 2 would exit the northern boundary of the project heading northeast approximately 2 miles where it would connect into the existing substation at the Catalina Solar project (see Figure 15). The Catalina Solar and the Pacific Wind Energy Project's gen-tie line and connection to the SCE Whirlwind Substation were previously analyzed, approved via a certified EIR, and built accordingly. Therefore, no further analysis of the preferred gen-tie line's extension beyond the project's proposed tie-in location is required.

Gen-tie Option 3 would exit the western boundary of the project heading west 0.3 mile to SCE's TRTP and then southwest approximately 2.5 miles adjacent to the TRTP, then west 3.5 miles where it would connect into the existing Rose Meadow Substation (see Figure 9, *Gen-Tie Routes*). Additionally, as shown on Figure 9, *Gen-Tie Routes*, a potential alternative route for a portion of Gen-tie Option 3 is under consideration and is shown as Option 3.1.

Gen-tie Option 4 would be an extension of Gen-tie Option 1, and instead of connecting to the Valentine Substation, it would continue north of the Valentine Substation, tapping into the existing 220 kV Antelope Valley Transmission Line (see Figure 9, *Gen-Tie Routes*). Also as shown on Figure 9, *Gen-Tie Routes*, one potential alternative route for Gen-tie Option 4 is under consideration and shown as Option 4.1 Options 4 and 4.1 were previously analyzed as part of the Valentine Solar Project, as approved via a certified EIR. Therefore, no further analysis of Gen-tie Option 4 or 4.1 would be required. Gen-tie routes would require crossings of the Los Angeles Department of Water and Power (LADWP) aqueduct(s) and all crossings would adhere to LADWP standards.

The proposed project would include the construction of one onsite substation, which would collect the power generated on site and convert it from 34.5 kV to 220 kV of power for transmission in an overhead or underground line into the SCE transmission system and interconnection location. The project substation would transmit electricity through the existing Rose Meadow Substation and join via a ring bus assembly with other projects for ultimate delivery of electrical power and communications into the SCE Whirlwind Substation. Improvements at the Rose Meadow Substation may include bus work, breakers, switches, and other related works to accept the power and communications from the proposed project to the Rose Meadow Substation for final delivery to the SCE Whirlwind Substations SCE meters and other ancillary equipment requirements for both Rose Meadow and Whirlwind substations would be performed in the existing footprints of the substations.

The transmission poles would accommodate the underground feeder splice lines to the overhead lines and would range in height but be no taller than 160 feet. The likely materials for the poles would be wood, metal, and/or spun concrete. These overhead lines would be carried via new and existing electrical poles to the Valentine Substation, the Catalina Solar Soleil substation, or the Rose Meadow Substation. Proposed underground transmission lines (if necessary) and fiber optic lines would be collocated with roads.

The project power generation would be fed to the project substation at 34.5-kV voltage of the power collection system. Underground collection cables would be installed in conjunction with roads and panel arrays within the project site, connecting each solar panel to a feeder circuit; each feeder circuit would in turn be connected to the substations. Overhead circuits up to 50 feet could be used to avoid environmentally sensitive areas or other constraints that are inherent to the project site. The different solar panel circuits would gather at the substations (or switchyard) and would then be sent to the overhead electricity lines leading to a grid interconnection point.

### **Battery Storage**

Energy storage plays an increasingly important role in renewable energy and helps to create a more flexible and reliable grid system. Energy storage can smooth electricity prices through arbitrage or energy shifting, manage evening energy ramps, mitigate the risk of curtailment, provide black start capability, provide backup power, and more.



The proposed project would include a BESS with the ability to store up to 60 MW of energy within the project site. The BESS would likely consist of containers housing batteries connected in strings and mounted on racks. The container would likely include a transformer, monitoring equipment, and lighting and cooling equipment. However, some BESS equipment (e.g., inverters, auxiliary transformer to control the HVAC system) may be adjacent to the container instead of located within the container. The proposed project would utilize up to 90 containers (depending on container dimensions). Each container would be up to 80 feet long by 8 feet wide and 8 feet tall.

There are three different locations and methods of storage proposed for BESS, these include: (1) all BESS containers consolidated within the project substation area; or (2) BESS equipment distributed throughout the project's solar arrays by co-locating a single BESS container with each of the project's block inverters with the BESS and the inverter housed in or near the same container; or (3) BESS equipment collocated with the O&M facility. Method 1, if fully employed, would require approximately 5 acres within the project substation area to house the BESS containers. Using Method 2, the BESS containers would contain batteries only and the inverters would remain central to the solar array blocks. If batteries are co-located with PV arrays and are DC coupled, they would share the PV inverters and transformers and have their own DC/DC converter that would either be on its own foundation, on the same skid as the inverters, or in the container with the batteries, which is dependent on the design. If the batteries are co-located with PV arrays and are AC coupled, then they would have their own inverters on their own skid. Method 3, if fully employed, would require approximately 5 acres within the project O&M facility yard to house the BESS containers.

The final configuration could be different with, for instance, containers including only inverters, and other containers including only batteries. The project design includes shielded and motion-activated lighting and safety features within each container. The containers are equipped with a door on each end and include fire detection and fire suppression systems. Cables and cooling pipes would pass through the container floor. The container would have unobtrusive external painting that would blend in with the natural terrain and landscape. It would be classified for a lifetime of more than 20 years, according to the Category C3 H metal galvanization standard. The containers would be equipped with insulation panels on the walls and roof. The thermal regulation system of the power conversion system and battery containers would be managed through a combination of forced-air ventilation, individual battery module fans, and HVAC units to maintain the battery cells and other components in their optimal operating range (20–25 degrees Celsius). The thermal regulation system would be designed to optimize the temperature uniformity among batteries and to limit the auxiliary power consumption. All data associated with thermal regulation (individual module temperatures, internal container temperature, etc.) would be communicated to the control system.

## **Project Substations**

The proposed project would include construction of one substation facility in one of multiple potential locations within the project boundaries or on one of three identified parcels off site. The substation that would collect the power generated by the PV solar system blocks, transport the power via the underground/overhead power collection system, and then convert the power for transmission in an overhead 220-kV line to the Valentine Solar, Catalina Solar Soleil, or Rose Meadow Substation(s) and ultimately the SCE Whirlwind Substation.

Equipment at the project substation would include transformers, bus work, switches, breakers, and all associated equipment required to be compliant with utility grade interconnection services. The substation facilities would house the power generation control and relaying equipment, station batteries, Supervisory Control and Data Acquisition System (SCADA) and communication systems, and potentially housing with radio or microwave communication mounted on a transmission tower up to 90 feet tall. The project substation would be remotely operated and periodically maintained but would not be permanently staffed. The substation site would be cleared, graded, and graveled. A security fence would be installed around the perimeter for safety and security purposes. The fence would consist of an up to 6-foot chain-link fence with up to three strands of barbed wire for a total maximum height of 8 feet. For safety purposes this fence would





not be adapted for wildlife movement. Construction and operations of the project substation would affect approximately 6 acres. The BESS may also be co-located within or adjacent to the substation yard.

### **Microwave/Radio Tower**

Supporting the proposed project would be one microwave/communication tower to be co-located with the substation in one of various potential locations, consisting of up to three 6-foot high-performance microwave dish(es) fixed to a steel monopole of up to 90 feet in height. An approximately 12-foot by 20-foot equipment shelter would also be included within a fenced area. A separate CUP would be required for the microwave tower. The shelter would have a maximum height of 10 feet.

The proposed project radio equipment would be located within the equipment shelter and would be connected to the microwave dish(es) via coaxial or fiber optic cables. If the microwave tower is located outside the project substation, fencing would consist of an up to 6-foot chain-link fence with up to three strands of barbed wire (up to 2 feet high), for a total maximum height of 8 feet.

### **Security**

Security fencing would be installed in accordance with Kern County zoning requirements. Based on current Kern County ordinances, the project applicant has the option to fence either the exterior northern and southern boundaries of the entire proposed project site, each solar panel row independently, or a grouping of solar blocks. At this time, it has not been determined which of these options would be used. Up to an 8-foot security fence would be installed that would consist of an up to 6-foot chain-link fence with up to three strands of barbed wire for a total maximum height of 8 feet. Fencing around the panel blocks would be adapted prior to the commencement of operations to allow for the movement of wildlife. All fence installation requirements would be evaluated, and the best-fit scenario would be incorporated within the project site based upon Kern County's final determination.

Security services would be provided during construction, and any additional security would be provided on an as-needed basis. The security personnel would be responsible for controlling egress and ingress, enforcing safety requirements, and ensuring compliance with all other policies for control of the proposed project site during the construction phase. After construction, these duties would become the responsibility of the operations and maintenance provider.

### **Construction Scenario**

The construction of the proposed project would last up to approximately 10 to 14 months. Construction would be comparable to other renewable energy projects and can be divided into the following components: (1) roads, (2) electrical and communications infrastructure, (3) PV assembly and installation, (4) substation construction, interconnection and battery storage, (5) stringing/pulling new circuit on existing infrastructure of gen-tie line, (6) electrical and communication system upgrades, (7) PV commissioning, and (8) project finalization. The various Elements of the proposed project would be constructed concurrently on the property. Construction is anticipated to commence in the first quarter of 2021. Onsite workforce is expected to average 220 workers per day with a peak of up to 495 workers.

Construction employees may be able to carpool from respective population centers such as Tehachapi and Rosamond, and report to the designated construction staging yards prior to the beginning of each work day. One or more of the proposed laydown yards may be used as a parking and meeting area for the construction employees and would be reclaimed after substantial completion of the project is reached. It is anticipated that the employees would utilize Rosamond Boulevard, Tehachapi-Willow Springs Road, 140th Street West, 130th Street West, Avenue of the Stars, 105th Street West, and/or Hamilton Road as points of ingress/egress to the property and that, once onsite, they would access various sections via the existing and improved network of dirt roads. The proposed project would be constructed by several specialized construction contractors, with construction activities taking place as specified in the County's Code of Ordinances, Chapter 8.36, as required to meet the construction schedule. Construction activities are



allowable between the hours of 6:00 a.m. and 9:00 p.m. on weekdays and between the hours of 8:00 a.m. and 9:00 p.m. on weekends.

Construction of the proposed project may include improvements to existing offsite access roads to the proposed project site as required by the County. Disturbed areas, temporary roadways, and equipment laydown sites that are not required as part of the ongoing operation of the facility would be revegetated. Staging areas may be required for material handling, temporary storage, and other staging activities. In addition, a concrete batch plant would be temporarily located within the proposed project site during the construction phase, if required.

Construction activities would be expected to include site preparation, fencing, mowing, excavation, grading, trenching/underground work, pile driving, system installation, testing, and cleanup. Site preparation and construction of the proposed project would be in accordance with all federal, state, and Kern County zoning codes and requirements. Noise-generating construction activities would be limited to the construction hours noted above. All stationary equipment and machines with the potential to generate a significant increase in noise or vibration levels would be located away from noise receptors to the extent practicable. The contractor would conduct construction activities in such a manner that the maximum noise levels at the affected buildings would not exceed established noise levels.

All applicable local, State, and federal requirements and best management practices (BMPs) would be incorporated into the construction activities for the proposed project. The construction contractor would be required to incorporate BMPs consistent with the Kern County Zoning Ordinance and with guidelines provided in the California *Storm Water Best Management Practice Handbooks: Construction*, including the preparation of a Storm Water Pollution Prevention Plan (SWPPP) and a Soil Erosion and Sedimentation Control Plan in order to comply with the Construction General Permit issued by the State Water Resources Control Board.

It is anticipated that the recommended construction period would begin in December or early January to minimize effects on sensitive species and habitats and completed 10 to 14 months later. As the construction period would continue into the winter season, supplemental erosion measures may need to be implemented, including, but not limited to, the following:

- Mulching
- Geotextiles and mats
- Earth dikes
- Temporary drains and gullies
- Silt fence
- Straw bale barriers
- Sandbag barrier
- Brush or rock filter
- Sediment trap

Construction equipment would be turned off when not in use. The construction contractor would ensure that all construction and grading equipment is properly maintained. All vehicles and compressors would utilize exhaust mufflers and engine enclosure covers (as designed by the manufacturer) at all times. During construction, water is anticipated to be supplied by well water purchased from a local supplier. This local groundwater is suitable as a primary supply for soil compaction and dust control but may not be suitable for potable use.



## ***Operation and Maintenance***

### **Project Operation and Maintenance**

Upon completion of the construction and testing phases, the project proponent would be operated during daylight hours. Up to 8 to 12 full-time and/or part-time staff would be required for operation, inspection, security, maintenance, and system monitoring purposes. Effective facility operations would be ensured by the following or similar activities (list is not exclusive):

- Liaison and remote monitoring;
- Administration and reporting;
- Semi-annual and annual services;
- Remote operations of inverters;
- Site security and management;
- Additional communication protocol;
- Repair and maintenance of solar facilities, substations, microwave tower, and other project facilities; and
- Periodic (up to twice per year) panel washing.

The PV arrays would produce electricity passively with minimal maintenance requirements. It is anticipated that panels would be washed up to two times a year, using the same well water source as the construction phase. It would likely be purchased from a local supplier using groundwater wells. This groundwater is suitable as a primary supply for panel washing, but may not be suitable for potable use.

The proposed project would be fenced to help prevent access by the public. Gates would be installed at the roads entering the project site. Limiting access to the project site would be necessary both to ensure the safety of the public and to protect the equipment from potential theft and vandalism.

There is limited potential for wildfire at the project site. Vegetation is sparse, with little potential for vegetative fuel buildup. The PV panels and ancillary equipment would result in a negligible increase in fire potential. The project proponent would, however, have a fire prevention plan for the project in compliance with the applicable Kern County regulations.

Limited amounts of hazardous materials would be stored or used on the site during operations, which may include diesel fuel, gasoline and motor oil for vehicles, mineral oil to be sealed within the transformers, and lead acid-based and/or lithium ion batteries for emergency backup and/or battery storage. Appropriate spill containment and cleanup kits would be maintained during operation of the project.

The maintenance program would be largely conducted onsite during daytime hours as a safety precaution. Equipment repairs may take place in the early morning or evening when the plant is producing the least amount of energy. Program elements include:

- Responding to plant failures and emergencies in a timely manner;
- Maintaining and managing a pre-qualified group of maintenance and repair firms, who can address the operational and maintenance needs of the facility;
- Creating a cleaning schedule to be more responsive to location and type of installation;
- Maintaining an inventory of spare parts to facilitate timely repairs to maintain plant output;
- Using trouble-ticketing to effectively record, track, and escalate all maintenance problems;
- Conducting onsite maintenance as required to clear weeds, grass, and ground cover for ground mounted systems (if specified ground-mount technology is chosen).



The proposed project would produce a small amount of solid waste associated with maintenance activities. PV solar project wastes typically include broken and rusted metal, defective or malfunctioning modules, electrical materials, empty containers, and other miscellaneous solid materials including typical household-type refuse generated by workers. Most of these materials would be collected and delivered back to the manufacturer for recycling and any materials not recycled would be disposed of in accordance with applicable laws.

### **Decommissioning**

The project has an anticipated operational life of up to 35 years, after which the project proponent may choose to update site technology and recommission, or to decommission the site and remove the systems and their components. All decommissioning and restoration activities would adhere to the requirements of the appropriate governing authorities and in accordance with all applicable federal, state, and County regulations. At the end of the project's operational term, it may be determined that the project should be decommissioned and deconstructed, or the project owner may seek an extension of its CUP. Because the PV arrays and supporting equipment sit on the surface of the land, when they are removed after the proposed project's lifetime, the land will largely unaltered from its natural state. The project proponent will work with the County to put an agreement in place that will ensure the decommissioning of the project after its productive lifetime. The project would utilize BMPs to ensure the collection and recycling of modules and batteries to be disposed of as municipal waste.

It is anticipated that during project decommissioning, project structures would be removed from the ground on the project site. Aboveground equipment that would 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, transformers, electrical wiring, and equipment on the inverter pads. The substation would be removed if it is owned by the project proponent; however, if a public or private utility assumes ownership of the substation, the substation may remain onsite to be used as part of the utility service to supply other applications.

Equipment would be de-energized prior to removal, salvaged (where possible), placed in appropriate shipping containers, and secured in a truck transport trailer for shipment off site to be recycled or disposed of at an appropriately licensed disposal facility. Removal of the solar modules would include removing the racks on which the solar panels are attached and placing them in secure transport crates and a trailer for storage, for ultimate transportation to another facility. Once the solar panels have been removed, the racks would be disassembled and the structures supporting the racks would be removed. Site infrastructure would be removed, including the fences and the 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 with the equipment being used. The fencing and gates would be removed, and all materials would be recycled to the extent feasible. Project roads would be restored to their pre-construction condition unless the landowner elects to retain the improved roads for access throughout that landowner's property. The area would be thoroughly cleaned and all debris removed. A collection and recycling program would be executed to promote recycling of project components and minimize disposal in landfills.

## **1.5 Project Objectives**

The project proponent has defined the following objectives for the project:

- Utilize property within Kern County for the placement of up to 128 MW of Solar PV panels and 60 MW of battery storage;
- 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 Senate Bill 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 Senate Bill 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 increases RPS in 2030 from 50 percent to 60 percent and establishes a goal of 100 percent RPS by 20045;
- Develop an economically feasible and commercially financeable project;
- Provide solar-generated electricity to the California Independent System Operator (CAISO) grid;
- Assist Kern County in promoting its role as the state’s leading producer of renewable energy;
- Provide green jobs to Kern County and the state of California;
- Site and design the project is an environmentally responsible manner consistent with current Kern County guidelines.

## 1.6 Proposed Discretionary Actions/Required Approvals

Kern County, the lead agency for the project, has discretionary responsibility for the majority of this project, as it is located in unincorporated Kern County. However, one parcel within this project is owned by the California State Lands Commission, who will issue a separate lease for the installation and operation of this portion of the combined project. Kern County acknowledges that it does not retain land use regulatory authority for the California State Lands Commission parcel; however, the Environmental Impact Report (EIR) will address both portions of the project pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15378(a). To implement this project, the following discretionary and ministerial permits/approvals may be required, including but not limited to the following:

### Federal

- United States Fish and Wildlife Service (USFWS) Section 10 Incidental Take Permit and Habitat Conservation Plan (if required)
- US Army Corps of Engineers Section 404 Permit (if required)

### State

- California State Lands Commission Lease
- California Department of Fish and Wildlife (CDFW)
  - Section 1600 et seq. permits (Streambed Alteration Agreements)
  - Section 2081 Permit (State-listed endangered species) (if required)
- Lahontan Regional Water Quality Control Board (RWQCB)
  - Waste Discharge Requirements
  - Regional Water Quality Certification (401 Permit) (if required)
- National Pollutant Discharge Elimination System (NPDES) Construction General Permit
- General Construction Stormwater Permit (Preparation of a SWPPP)
- Regional Water Quality Certification (401 Permit)
- California Department of Transportation
  - Right-of-Way Encroachment Permit
  - Oversized Loads Permit



## Local

### **County of Kern**

- Certification of Final Environmental Impact Report
- Adoption of 15091 and 15093 Findings and Statement of Overriding Considerations
- Adoption of Mitigation Monitoring and Reporting Program
- Approval of Kern County Zone Change Case (Zone Change Case No. 13, Map 215; Zone Change Case No. 44, Map 232)
- Approval of Conditional Use Permits (Conditional Use Permit No. 13, Map 215; Conditional Use Permit No. 41, Map 232; Conditional Use Permit No. 14, Map 215; Conditional Use Permit No. 42, Map 232; Conditional Use Permit No. 15, Map 215; Conditional Use Permit No. 43, Map 215)
- Amendment to the Circulation Element of the Kern County General Plan (General Plan Amendment 4, Map 215)
- Amendment to the Circulation Element of the Willow Springs Specific Plan (Specific Plan Amendment 32, 232)
- Approval of Approval of vacation of public access easements
- California Desert Native Plants Permit to Harvest Native Plants
- Approval of Grading and Building Plans
- Hazardous Materials Business Plan
- Plan for the Disposal of Drainage Waters
- Septic and Water System Permits
- Fire Safety Plan
- Proposed Access Road Design and Encroachment Permit
- Rights-of-way crossing consent forms from Kern County, SCE, and Los Angeles Department of Water and Power

### **Eastern Kern County Air Pollution Control District (EKAPCD)**

- Fugitive Dust Control Plan
- Authority to Construct
- Permit to Operate
- Any other permits as required

Other additional permits or approvals from responsible agencies may be required for the proposed project.



## 2.0 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 checklist on the following pages.

- |                                                                 |                                                              |                                                                        |
|-----------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Aesthetics                  | <input checked="" type="checkbox"/> Agriculture/Forestry     | <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 / Soils             | <input checked="" type="checkbox"/> Greenhouse Gas Emissions | <input checked="" type="checkbox"/> Hazards & Hazardous Materials      |
| <input checked="" type="checkbox"/> Hydrology / Water Quality   | <input checked="" type="checkbox"/> Land Use /Planning       | <input type="checkbox"/> Mineral Resources                             |
| <input checked="" type="checkbox"/> Noise                       | <input checked="" type="checkbox"/> Population / Housing     | <input checked="" type="checkbox"/> Public Services                    |
| <input checked="" type="checkbox"/> Recreation                  | <input checked="" type="checkbox"/> Transportation           | <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 (EIR) 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  
 Carlos Rojas, Planner III  
 \_\_\_\_\_  
 Printed Name

07/30/19  
 \_\_\_\_\_  
 Date  
 \_\_\_\_\_  
 For



### 3.0 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 Environmental Impact Report (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.
- (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 Measures Incorporated,” describe the mitigation measures which 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) The adopted guidelines state “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. “Kern County has adopted this format and included all questions from Appendix G.
- (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.





Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No 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 public views of the site and its surroundings? (Public views are those that are experienced from publicly 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 which would adversely affect daytime or nighttime views in the area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Discussion:**

- (a) The California Department of Transportation (Caltrans) states that a highway may be designated scenic depending upon how much of the natural landscape can be seen by travelers, the scenic quality of the landscape, and the extent to which development intrudes upon the traveler's enjoyment of the view. Placement of PV solar panels in the Rosamond areas would alter the views of the project areas and persons traveling in passenger vehicles on nearby roads would observe alterations. The project site is not located within an area designated for or identified as having a scenic vista or scenic views. However, because the project would substantially change views, impacts to scenic vistas may occur. This impact will be further evaluated in the EIR.
- (b) The project would not be visible from any Officially Designated (OD) State or County Scenic Highway; however, both SR-14 north of Mojave and SR-58 east of Mojave are designated as Eligible (E) for State Scenic Highway status (California Department of Transportation, 2008). Construction of PV solar panels would change the viewshed from these public roads. This impact will be further evaluated in the EIR.
- (c) The majority of the project area supports native desert plant communities that are partially degraded by past and current grazing activities, construction and operation of existing wind and solar energy facilities and by a network of paved and dirt roads. Existing land uses at and in the immediate vicinity of the project site include grazing areas with rural fences, paved and unpaved roads, wind and solar energy generating facilities and open-space areas. Off-road vehicle (ORV) or off-highway vehicle (OHV) activities occur in the project vicinity and the Pacific Crest Trail passes approximately 2.5 miles southwest of the project site at its closets point, which is beyond the 2-mile significant



observation distance. Overall, the undeveloped character of the area may be adversely affected by the project, and therefore the project's potential to substantially degrade its existing visual character or quality of the site and its surroundings will be further evaluated in the EIR.

- (d) Existing light sources in the project area are primarily associated with rural residences and vehicular travel in the area. The PV modules are designed to absorb sunlight to maximize electrical output; therefore, they would not create significant reflective surfaces or the potential for glint/glare during the day. Lighting proposed for the project site is security lighting only. This type of lighting is regulated by the Kern County Zoning Ordinance Chapter 19.81 – Outdoor Lighting-Dark Skies Ordinance. Further analysis of the specific lighting required and the effects of the nighttime light and glare is warranted, and these impacts will be further evaluated in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
----------------------------------------------	--------------------------------	-----------------------------------------------------	------------------------------	-----------

**II. AGRICULTURE AND FOREST RESOURCES.**

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 checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or 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)) or timberland (as defined in 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 nonagricultural 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 15206(b)(3) Public Resources Code?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion:**

- (a) There is no designated Prime Farmland, Unique Farmland, or Farmland of Statewide Importance within the project area. The California Department of Conservation (CDC) designates the proposed project site as nonagricultural and natural vegetation. As such, the project site is not considered to be prime, unique, or important farmland. Therefore, construction and/or operation of the project would not result in the conversion of designated Farmland to a nonagricultural use; however, this issue will be further evaluated in the EIR.



- (b) The project site is located within the Kern County zoning districts. These zoning classifications fall within five larger Kern County base zoning districts (Estate, Exclusive Agriculture, Limited Agriculture, and Platted Lands) and four Kern County combining zone districts (Residential Suburban Combining, Floodplain Combining, Floodplain Secondary Combining, Wind Energy). Eight combinations of zoning classifications (base plus combining zone classifications) affect the project site. Approximately 954 acres of the project site are within the Kern County Agricultural Preserve No. 24 boundary, which is prerequisite to placement under a Williamson Act contract. However, there are no parcels within the project site that are under any Williamson Act contracts. Nevertheless, this issue will be further evaluated in the EIR.
  
- (c)/(d) No lands within or immediately adjacent to the project are zoned forest land or timberland. Currently, the project site is vacant/open space or is fallow agricultural land. The project site does not contain any forest land or timberland. Therefore, there would be no impact and this topic will not be evaluated in the EIR.
  
- (e) As noted above, the project site and immediate surrounding properties do not contain any forest land or active farming. The project site does not contain any forestland or timberland. The proposed project would not be converting actively cultivated farmland to non-agricultural uses. Therefore, there would be no impact and this topic will not be evaluated in the EIR.
  
- (f) No portion of the project site is subject to Williamson Act or Farmland Security Zone land use contracts. Therefore, there would be no impact and this topic will not be evaluated in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
----------------------------------------------	--------------------------------------	-----------------------------------------------------------------	------------------------------------	--------------

**III. AIR QUALITY.** The significance criteria established by the applicable Air pollution control district shall be relied upon to make the following determinations. Would the project:

a) Conflict with or obstruct implementation of the applicable air quality plan?

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard? Specifically, would implementation of the project ( in a specific location) exceed any of the following adopted thresholds:

i. San Joaquin Valley Unified Air Pollution Control District:

Operational and Area Sources

Reactive Organic Gases (ROG)  
10 tons per year.

Oxides of Nitrogen (NO<sub>x</sub>)  
10 tons per year.

Particulate Matter (PM<sub>10</sub>)  
15 tons per year.

Stationary Sources as determined by District Rules

Severe Nonattainment  
25 tons per year.

Extreme Nonattainment  
10 tons per year.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>III. AIR QUALITY.</b> (Continued)				
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 - determined by District</u>				
<u>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"/>

**Discussion:**

- (a) The project would be located entirely within the jurisdiction of the Eastern Kern Air Pollution Control District (EKAPCD) in the Mojave Desert Air Basin (MDAB). The MDAB is designated non-attainment for both the State and Federal ozone standards, and the State particulate matter of less than 10 microns in size (PM<sub>10</sub>) standard. Project construction would generate emissions of nitrogen oxides (NO<sub>x</sub>) and PM<sub>10</sub> that could result in significant impacts to air quality in the area. Equipment usage and activities during construction of the project would result in emissions of PM<sub>10</sub> and ozone precursors, including NO<sub>x</sub> and volatile organic compounds (VOC), which could result in significant impacts to air quality in the area. The sources of emissions include heavy equipment used to excavate and grade the array pads and roads, cranes, and on-road motor vehicles for equipment and material deliveries and workers commuting to the project site. Activity on unpaved roads and lay-down areas and grading would contribute to PM<sub>10</sub> emissions. Further analysis of air quality impacts is warranted to determine whether the project would conflict with or obstruct implementation of the applicable plans for attainment and, if so, to determine the reasonable and feasible mitigation measures that could be imposed. Short-term construction emissions and temporary facilities could significantly contribute to an existing or projected air quality violation of PM<sub>10</sub> or ozone standards, requiring the consideration of mitigation measures. This impact is potentially significant and will be evaluated further in the EIR.
- (b) The EKAPCD is a nonattainment area for State and Federal ozone standards, and the State PM<sub>10</sub> standard, and the EKAPCD rules and regulations apply to all project activities. No project activities would occur within the San Joaquin Valley Unified Air Pollution Control District; therefore, no impacts would occur. Cumulative contributions to the MDAB could be potentially significant. Construction and operational emissions will be analyzed in the EIR as related to EKAPCD.



- (c) Land uses determined to be “sensitive” to air quality include residential areas, schools, convalescent and acute care hospitals, parks and recreational areas, and churches. The nearest sensitive receptors to the project are residences within the project boundaries. Construction-related activity and temporary facilities would result in diesel exhaust emissions and dust that could adversely affect air quality for the nearest sensitive receptors. Mitigation measures for diesel equipment and dust control that are recommended by the EKAPCD will be evaluated as part of the EIR to avoid or reduce the impacts to construction workers and occupants of nearby residences. Given the potential for impacts, this topic will be discussed in the EIR.
  
- (d) The project would not have any stationary sources or equipment located onsite 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 not affect a substantial number of people as the site is located in sparsely inhabited areas, and any odors would be temporary and would be dispersed rapidly. Nevertheless, this topic will be further evaluated in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<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 Wildlife 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 Wildlife 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 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion:**

- (a)-(c) Field surveys for special status plant and animal species, species listed as either threatened or endangered by either the State or Federal government, riparian habitat, and sensitive natural communities are currently being conducted and will be included in the EIR. Not all field studies for the project have been completed to date; therefore, potential impacts to biological resources, riparian





habitat, and/or sensitive natural communities have not been fully identified at the present time. In addition, project-related access roads and transmission lines may cross streams and/or washes that require evaluation for riparian habitat, and may also require Streambed Alteration permits from the California Department of Fish and Game. Wetlands, as defined by Section 404 of the Clean Water Act, may also be present on the project site. Coordination has begun with the U.S. Fish and Wildlife Service (USFWS) and the California Department of Fish and Wildlife (CDFW). Impacts to biological resources (including avian and bat species), riparian habitat, and sensitive natural communities are potentially significant and will be analyzed in the EIR.

- (d) The project site and surrounding area may be used for migration or dispersal by some avian and bat species. Project construction and operation would also remove foraging habitat. This impact is potentially significant and will be evaluated in the EIR.
- (e) The proposed project would not conflict with goals and policies outlined in the Kern County General Plan (KCGP) or the Willow Springs Specific Plan (WSSP). The KCGP includes oak tree conservation policies. Further analysis is warranted determine whether oak woodland plant communities are present on the project site and to evaluate the potential for impacts to occur. Therefore, this topic will be analyzed in the EIR.
- (f) The project site is located within the proposed West Mojave Plan, which is a proposed comprehensive strategy to conserve and protect more than 100 listed or sensitive wildlife species and their habitats, including the Mohave ground squirrel and desert tortoise, both which have the potential to be present onsite. An HCP is a proposed component of the West Mojave Plan that, if and when finalized, would provide a program for complying with the federal Endangered Species Act (ESA) on private lands with the West Mojave Plan area. Therefore, this topic will be analyzed in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>V. CULTURAL RESOURCES.</b> Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in 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 § 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 dedicated cemeteries?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Discussion:**

- (a) The project site consists of active or fallow agricultural land. There are known historic resources on the project site. A cultural resources survey is being completed for the site to determine the potential for historic resources within the proposed project site. Further evaluation is necessary to identify potential impacts and to formulate avoidance or mitigation measures, if applicable. Therefore, this topic will be analyzed in the EIR.
- (b) An archaeological survey of the site is currently being completed and will be included within the EIR. Further evaluation is necessary to identify potential impacts and to formulate avoidance or mitigation measures, if applicable. Therefore, this topic will be analyzed in the EIR.
- (c) If human burial grounds are identified in any part of the project area, the project would be redesigned to avoid them. Given the sensitivity of the project area the potential for locating human remains is reasonably foreseeable, and therefore, potentially significant. The EIR will evaluate this potential impact and identify measures to be implemented if any are unexpectedly uncovered during the course of development.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<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) Result in potentially significant environmental impact due to wasteful, inefficient or unnecessary consumption of energy resources, during project construction or operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion:**

- (a) Construction of the proposed project would involve onsite energy demand and consumption related to use of oil in the form of gasoline and diesel fuel 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 onsite lighting, welding, and for supplying energy to areas of the sites where energy supply cannot be connected to the existing electrical grid.

Following implementation of the proposed project, energy would cease to be consumed onsite and would instead switch to production. 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 and/or natural gas for interior and exteriors building lighting, heating, ventilation, and air conditioning (HVAC), electronic equipment, machinery, appliances, security systems, and more. Maintenance activities during operations, such as landscape maintenance, could involve the use of electric or gas-powered equipment. In addition to onsite energy use, the proposed project would result in transportation energy use associated with employee vehicle trips generated by the proposed project. Further analysis in the EIR is warranted.

- (b) Due to the increased onsite consumption of energy during construction, the project has the potential to conflict with or obstruct a state of local plan for energy efficiency. Operation of the 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. Impacts are considered to be less than significant; however, further analysis is warranted and this topic will be discussed and analyzed in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ii. Strong seismic groundshaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii. Seismic-related ground failure, including liquefaction?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
iv. Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 off-site 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 (19914), creating substantial 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 where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion:**

- (a)(i) Construction of the proposed project would be subject to all applicable ordinances of the Kern County Building Code (Chapter 17.08). Kern County has adopted the California Building Standards Code, 2007 Edition (CCR Title 24), which imposes substantially the same



requirements as the International Building Code (IBC), 2006 Edition, with some modifications and amendments. The entirety of Kern County is located in a seismic Zone 4, a designation previously used in the Uniform Building Code (UBC) (the predecessor to the IBC) to denote the areas of highest risk to earthquake ground motion. Adherence to all applicable regulations would mitigate any potential impacts associated with the project.

The project is not crossed by an Alquist-Priolo Special Study Zone; however, the north branch of the Garlock Fault is located approximately three miles to the northwest of the project site. The north branch of the Garlock fault is considered an active fault (known to have been active during Holocene time, in the past 10,000 years). The Garlock fault is a high-angle shear zone with predominant strike-slip movement to the west (left lateral). Significant seismic activity in the area could adversely workers on the project site. Thus, this issue will be evaluated in the EIR.

- (ii) Strong seismic ground shaking could occur at the project site, resulting in damage to structures that are not properly designed to withstand strong ground shaking. The project is located within the Tehachapi Valley, south of the Tehachapi Mountains, a geologically young and seismically active area. The project would potentially be subject to moderate to strong ground shaking from local and regional earthquakes. Should strong seismic ground shaking occur at the project site, damage to the PV modules and other ancillary facilities (i.e., the PCS) would likely result. However, because the proposed project would not establish a permanent on-site population, damage to these on-site structures would not expose substantial numbers of people to potential adverse effects. In addition, construction of the proposed project would be subject to all applicable ordinances of the Kern County Building Code (Chapter 17.08). Furthermore, the structures constructed as part of the proposed 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. Adherence to all applicable regulations would mitigate any potential impacts associated with seismic groundshaking at the project site. Therefore, although the project site would potentially be subject to moderate to strong ground shaking from local and regional earthquakes, the proposed project would not have the ability to expose substantial numbers of people to adverse impacts as a result. Potential impacts for this issue area would be less than significant and no further analysis is warranted.
  - (iii) The potential for substantial adverse effects due to seismic-related ground failure, including liquefaction, will be examined in the geotechnical report being prepared for the project site. Related potential impacts will be analyzed in the EIR.
  - (iv) The project site's topography generally slopes to the southeast, with elevations ranging from approximately 2,800 feet amsl in the northwest corner to approximately 3,000 feet amsl in the southeast corner of the site. The project site does not contain any steep slopes and is not considered to be in a high risk area for landslides. Impacts from landslides would be less than significant and no further analysis is warranted.
- (b) Grading would be required for access roads throughout the project site. Construction activities could result in substantial soil erosion at the project site. However, in compliance with National Discharge Elimination System (NPDES) General Construction Permit requirements, the applicant would be required to devise and submit a site-specific Storm Water Pollution Prevention Program (SWPPP) to minimize the discharge of wastewater during construction. The SWPPP includes steps for implementation of best management practices (BMPs) aimed at sediment control and erosion control, and could include soil stabilization, silt fencing, straw bale and temporary catch basins. These BMPs would be implemented during construction of the proposed project as a condition of required permits, therefore minimizing soil erosion and loss of topsoil to the extent feasible. With implementation of the



SWPPP and all required BMPs, the proposed project would not have the ability result in substantial soil erosion at the site or in the surrounding area. Potential impacts would be less than significant and no further analysis is warranted.

- (c) The project would be designed such that it would not degrade the stability of the underlying soils. The geotechnical report currently being prepared will examine the current baseline stability of the soils that underlie the project area and the findings of that report will be evaluated in the EIR. While potential impacts are expected to be less than significant, they will be evaluated in the EIR and mitigation measures will be presented, if necessary, to protect both structures and people from adverse effects due to landslide, lateral spreading, subsidence, liquefaction, and/or collapse.
- (d) Expansive soils generally result from specific clay minerals that expand when saturated and that shrink when dry. The geotechnical report currently being prepared for the project will confirm the presence or absence of expansive soils within the project area, and those results will be evaluated in the EIR.
- (e) The proposed project includes a proposal to construct onsite septic systems for O&M facilities. Further analysis of the soils is necessary to determine compatibility for this use. Further evaluation in the EIR is warranted to identify potential impacts and to formulate avoidance or mitigation measures, if applicable.
- (f) Kern County is rich in paleontological resources. If paleontologically sensitive formations are located under the project, ground disturbance could result in potentially significant impacts to paleontological resources. Thus, a paleontological study for the project will be performed. While impacts are anticipated to be less than significant, further evaluation in the EIR is warranted to identify potential impacts and to formulate avoidance or mitigation measures, is applicable.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
----------------------------------------------	--------------------------------	-----------------------------------------------------	------------------------------	-----------

**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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

(a)/(b) Global climate change is an international phenomenon, and the regulatory background and scientific data are changing rapidly. In 2006, the California state legislature adopted AB 32, the California Global Warming Solutions Act of 2006. Assembly Bill (AB) 32 describes how global climate change would affect the environment in California. The impacts described in AB 32 include changing sea levels, changes in snow pack and availability of potable water, changes in storm flows and flood inundation zones, and other impacts.

As required by AB 32, California Air Resources Board (CARB) determined what the statewide greenhouse gas (GHG) emissions level was in 1990 and then approved a statewide GHG emissions limit that is equivalent to that level, which is to be achieved by 2020. CARB approved the 2020 limit on December 6, 2007. CARB’s GHG inventory estimated the 1990 emissions level in California to be 427 million metric tons carbon dioxide equivalent (MMTCO<sub>2e</sub>). In 2004, the emissions were estimated to be 480 MMTCO<sub>2e</sub>.

The primary source of GHG emissions from the project during operation would be mobile sources. Not all GHGs exhibit the same ability to induce climate change; therefore, GHG contributions are commonly quantified in carbon dioxide equivalencies. The carbon dioxide equivalent (CO<sub>2e</sub>) portion of GHGs from the project is being estimated in an air quality impact analysis using the URBEMIS program and California Climate Action Registry (CCAR) General Reporting Protocol. These emissions would be short term in duration and would not have a continual impact on the environment. The project’s operational emissions are expected to be low.

Short-term construction activities including the use of heavy-duty construction equipment and mobile sources would result in direct emissions of GHGs. However, indirect GHG emissions would be reduced by the project, through the displacement of high GHG-emitting power plants. The indirect emission reductions would offset the construction and operating emissions and the project would serve to result in a net decrease in GHG emissions. Impacts related to GHGs and climate stemming from the project, and potential conflicts with any applicable plan or policy relative to GHGs, will be evaluated in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<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 handle hazardous or acutely hazardous materials, substances, or waste within 1/4 mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code § 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>
g) Expose people or structures, either 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:				
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:

- |                                                                                                                             |                          |                          |                                     |                          |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|
| 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"/> |

**Discussion:**

- (a) The project is not expected to result in impacts from hazards and hazardous materials with respect to creating a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. The project would not involve the routine transport, use, or disposal of hazardous materials as defined by the Hazardous Materials Transportation Uniform Safety Act. The only hazardous materials expected to be transported to and from the site include transformer oil (which is used in electrical transformers), vehicle fuel, carburetor fluid, and various types and grades of lubrication oil, all of which are expected to be used in small quantities and for maintenance purposes. There are no designated routes for the transport of hazardous materials located on or immediately adjacent to the project; the closest route is State Route (SR) 14, located approximately 12 miles to the east of the project site. The project does not anticipate the need for blasting to prepare foundations; however, in the unlikely event that blasting is required, it will be evaluated in the EIR.
- (b) Potential impacts that may result from construction and operation of the project may include the accidental release of storage materials such as CdTe, used biodegradable dielectric fluid, mineral oil, hydraulic oil, diesel fuel, grease, lubricants, solvents, adhesives and paints. The toxicity and potential release of these materials would depend on the quantity, the type of storage container, safety protocols used on the site, the location and/or proximity to schools and residences, the frequency and duration of spills or storage leaks, and the reactivity of hazardous substances with other materials. Therefore, a complete list of all materials used on site, how the materials would be transported, and in what form they would be used, should be recorded to maintain safety and prevent possible environmental contamination or worker exposure. If regulations and standard protocols are followed during the storage, transportation, and usage of any hazardous materials, no substantial impacts should occur. Nevertheless, these issues will be evaluated in the EIR.
- (c) There are no schools within one quarter-mile of the project site. The proposed project is a solar energy generation facility that involves using PV panels to generate electricity. Project-related infrastructure would not emit hazardous materials or involve handling hazardous or acutely hazardous materials, substances, or waste within one quarter-mile of an existing or proposed school. Therefore, no impacts would occur; however, this will be evaluated in the EIR.
- (d) The project is not located within a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, it would not create significant hazard to the public or the environment. There would be no impacts and no further analysis is warranted.



- (e) The project area is not located within two miles of a public or public use airport or within an area covered by the Kern County Airport Land Use Compatibility Plan (ALUCP). Therefore, there are no anticipated safety hazards for people residing or working in the project area with respect to the project's proximity to a public or public use airport. There would be no impacts and no further analysis is warranted.
- (f) The construction the proposed project is not anticipated to physically impede the existing emergency response plans, emergency vehicle access, or personnel access to the site. The project site is located in a rural area with several alternative access roads allowing access to the site in the event of an emergency. Therefore, no impacts related to impairment of the implementation of, or physical interference with, an adopted emergency response plan or emergency evacuation plan is anticipated. Nevertheless, the potential for project construction-related traffic to impair or interfere with emergency response or evacuation plans will be evaluated in the EIR.
- (g) The project site and surrounding area is comprised of active or fallow agricultural land and is not subject to wildland fires. The proposed project would be required to comply with all existing regulations and requirements of the Kern County Safety Element and the Kern County Fire Code (Chapter 17.32), and would be reviewed for adherence to prevention measures for wildland fires. With implementation of all applicable regulations to reduce wildfire ignitions and prevent the spread of wildfire, the proposed project would not result in significant impacts related to the exposure of people or structures to a significant risk of loss, injury, or death involving wildland fires. Nevertheless, the EIR will discuss this issue.
- (h) The proposed project is a solar energy generation facility that would result in the construction of PV arrays and other ancillary 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.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<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 ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i) result in a 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 of amount of surface runoff in a manner which would result in flooding on-or offsite;	<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) impeded 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion:**

- (a) Construction of the project would be subject to County, State, and federal water quality regulations. This includes, but is not limited to, required adherence to the federal Clean Water Act, National Pollutant Discharge Elimination System requirements, the National Flood Insurance Act, requirements of the California Department of Water Resources, adherence to the requirements of the California Fish



and Game Code, the California Water Code, the requirements of the Kern County General Plan and Zoning Ordinance, etc. Development of the project would result in a significant impact to hydrology and water quality if associated construction, maintenance, or decommissioning activities would result in the violation of any water quality or waste discharge standards. Such violations could occur through the creation of erosion, sedimentation, and/or polluted runoff, through the accidental release of potentially hazardous materials required during construction or operational activities, or through the discharge of contaminated groundwater during dewatering activities. It is anticipated that appropriate best management practices and compliance with applicable regulations would reduce potential water quality impacts to a less-than-significant level; however, this potential impact will be evaluated fully in the EIR.

- (b) During construction, potable water would be brought to the site for drinking and domestic needs, while non-potable water would be brought to the site for soil conditioning and dust suppression. Then water would be imported via truck to the project site for use in the temporary concrete batch plants and during ongoing maintenance of the facility. The project is located in the jurisdiction of the Regional Water Quality Control Board, Lahontan Region. The project is not expected to require a large quantity of water for construction or operation of the solar panels. Because the project would not include the substantial increase in impervious surfaces, the project would not interfere substantially with groundwater recharge. Therefore, the project is not expected to result in significant impacts to hydrology and water quality. Nevertheless, further evaluation of project effects will be provided in the EIR.
- (c) The project site ranges in elevation from approximately 2,800 feet amsl to approximately 3,000 feet amsl within the site boundary. The site generally slopes from northwest to southeast. The Los Angeles Aqueduct is located to the north of the project. The panels would require the construction of concrete pads for each array and fencing around the entire site. However, evaluation of impacts to drainage patterns of the site, as well as the potential for increased erosion and/or siltation, will be evaluated in the EIR.

In order to prepare the site for construction, certain existing drainage channels and low areas on the site would be filled through a combination of cut-and-fill and import of fill activities. These activities would be necessary to increase the amount of useable land available for the placement of PV modules and to protect the facility from greater than normal stormwater flows. The current project site drainage is combination of sheet flow and small amount of channel flow; the aforementioned fill activities would result in the creation of sheet flow over the entire site. Evaluation of impacts to drainage patterns of the site, as well as the potential for increased flooding, will be evaluated in the EIR.

The project would result in an overall increase in impervious surfaces onsite, which could substantially increase storm water runoff. The project would be required to prepare a drainage plan to address storm water runoff impacts. Further analysis in the EIR is required to identify appropriate mitigation/design measures and evaluate their effectiveness.

- (d) The project is not located near an ocean or enclosed body of water, and 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. Mudflow events are caused by a combination of factors, including soil type, precipitation, and slope. Mudflow may be triggered by heavy rainfall that the soil is not able to sufficiently drain or absorb. As a result of this super-saturation, soil and rock materials become unstable and eventually slide away from their existing location. The potential for project site to be inundated by mudflow will be further evaluated in the EIR.
- (e) Relative to a sustainable groundwater management plan, the project site is located within the Antelope Valley Groundwater Basin. The Antelope Valley Groundwater Basin is an adjudicated water basin. Evaluation of impacts to existing sustainable groundwater management plans will be further analyzed in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<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 adopted for the purpose of avoiding or mitigating an environmental effect?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Discussion:**

- (a) The project components would be installed on vacant lands. The surrounding area is also largely vacant, with limited single-family rural residential uses present. Therefore, the proposed project would not have the ability to physically divide an established community and no further analysis is warranted.
- (b) A portion of the project site is designated with the 2.5 (Flood Hazard) Physical Constraint Map Code per the Kern County General Plan (KCGP). The KCGP contains an implementation measure requiring that development proposed in areas with subject to flooding require flood evaluations and studies. Further evaluation is warranted to identify potential impacts and formulate avoidance or mitigation measures.

A portion of the site has been requested to be changed from the existing classification to include the Flood Plain Secondary (FPS) Combining District. The purpose of the FPS Combining District is to prohibit any uses at the site that may increase the chance of flooding, as well as uses such as septic systems and water wells unless approved by the Kern County Engineering and Surveying Services Department. The regulation established by the FPS Combining District shall be in addition to the regulations of the base district with which the FPS Combining District is combined.

The appropriateness of the project with regard to its consistency with the policies of the KCGP and the WSSP adopted for the purpose of avoiding or mitigating an environmental effect will be evaluated in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<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"/>

**Discussion:**

- (a) There are no mineral resources of regional or statewide significance or mining districts located within the project area. Kern County contains numerous mining operations that extract a variety of materials, including sand and gravel, stone, gold, dimensional stone, limestone, clay, shale, gypsum, pumice, decorative rock, silica, and specialty sand. However, due to the fact that the project is not located near known mineral resources, it would have no significant impact on future mineral development. The proposed project would have no impact and no further analysis is warranted.
- (b) Based on a review of California Geological Survey publications, portions of Kern County are rich in mineral deposits. Although some properties in the areas of the project site support aggregate mining operations (i.e., Golden Queen Mine, Bobtail Mines, Middle Butte Mines), neither the Kern County General Plan nor the Willow Springs Specific Plan designate the site for mineral and petroleum resources activities (Map Code 8.4). Therefore, installation of the arrays would not preclude future on-site mineral resources development, nor would it result in the loss of a locally important mineral resources recovery site. There would be no impact and no further analysis is warranted.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>XIII. NOISE.</b> Would the project result in:				
a) Generation of a substantial temporary or permanent increase in the ambient noise levels in the vicinity of the project in excess of standards established in the 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 ground borne vibration or ground borne 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) For a project located within the 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 type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion:**

- (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 nearest sensitive receptors are scattered rural residences throughout the project site. Project activities would not occur near any other type of sensitive receptors listed above.

Construction activity associated with large earth moving equipment has the highest potential for creating noise since there could be intermittent high noise levels on and adjacent to the site during construction. The proposed project would be required to adhere to all applicable noise standards related to construction activities, as identified in the Willow Spring Specific Plan and Kern County Zoning Ordinance. Specifically, the Kern County Zoning Ordinance states that is unlawful for any person to create noise from construction between the hours of 9:00 p.m. and 6:00 a.m. on weekdays and 9:00 p.m. and 8:00 a.m. on weekends, which is audible to a person at a distance of 150 feet from the construction site. 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, the Willow Springs Specific Plan and Kern Zoning Ordinance. Thus, further analysis of ambient noise levels and the project’s potential impact on those levels will be included in the EIR.

- (b) Groundborne vibration and groundborne noise could originate from earth movement during the construction phase of the project, as well as from the operation and maintenance of the facilities. The project would be expected to comply with all applicable requirements for long-term operation, as well as with measures to reduce excessive groundborne vibration and noise to ensure that the project would not expose persons or structures to excessive groundborne vibration. Further analysis of groundborne vibration and groundborne noise will be included in the EIR.



- (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, the Willow Springs Specific Plan and Kern County Zoning Ordinance. Thus, further analysis of ambient noise levels and the project's potential impact on those levels will be included in the EIR.

- (d) The project is not located within the sphere of influence of an airport, as identified in the Kern County Airport Land Use Compatibility Plan (ALUCP). The nearest public airstrip is the Rosamond Airport, located approximately 10 miles to the southeast. Because the nearest public airport/public use airport is located more than five miles away from the site, the project is not expected to expose individuals working in the project area to excessive noise levels resulting from any airports located within the ALUCP; therefore, no further analysis related to public airports is warranted.





Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
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**XIV. POPULATION AND HOUSING.**

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 checked="" type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input type="checkbox"/> |

**Discussion:**

- (a) Although the proposed project would provide new employment consistent with the adopted Kern County General Plan goals, plans, and policies, long-term employment opportunities would be minimal. Onsite workforce is expected to average 220 workers per day with a peak of up to 495 workers, which would be a minimal increase in employment over the 10 to 14 month construction period, given the project area’s existing population. Construction workers are expected to travel to the site from various locations throughout Southern California, and the number of workers expected to relocate to the surrounding area is not expected to be substantial. If temporary housing should be necessary, it is expected that accommodations would be available in the nearby community of Rosamond. Therefore, the project would not directly or indirectly induce the development of any new housing or businesses. Operation of the proposed project would require no permanent full-time and potentially up to five part-time staff. Given the scope of the existing population and available housing in the area, this increase is not considered significant.

Typical established local thresholds of significance for housing and population growth pursuant to the State *CEQA Guidelines*, Section 15064.7, include effects that would induce substantial growth or concentration of a population beyond County projections, alter the location, distribution, density, or growth rate of the population beyond that projected in the General Plan Housing Element, result in a substantial increase in demand for additional housing, or create a development that significantly reduces the ability of the County to meet housing objectives set forth in the General Plan Housing Element. The effects of the project in relation to these local thresholds are minimal.

Although the project would produce additional electricity, it is intended to meet the demand for energy that is already projected based on growth in communities around California. While the project’s electricity would replace electricity generated by fossil fuels, thereby contributing to California’s renewable energy goals, the production of additional electricity may indirectly be growth inducing; however, additional energy availability alone would not drive population growth. Additional factors that would be necessary for population growth in Kern County would include access to public utilities, housing, sufficient transportation capacity, and employment opportunities. The production of additional energy would not automatically cause an increase in jobs. Further, local governments can minimize the potential growth-inducing effects of proposed projects through regulatory authority in relation to land use. In addition, the project does not propose the extension of roads or the development



of other infrastructures, such as utilities, beyond the project site that would indirectly induce population growth; however, this will be further evaluated in the EIR.

- (b) A limited number of structures are located within the project boundaries, and no housing is expected to be displaced; however, this potential impact will be further evaluated in the EIR. The project is not expected to displace any people; however, this potential impact will be further evaluated in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<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:				
Fire Protection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Police Protection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other Public Facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Discussion:**

- (a) During project construction, a relatively small number of construction workers would be required, up to 240 at one given time, for a short amount of time, 10 to 14 months (phased construction). It is expected that most of these workers would commute to the project site from surrounding communities. Therefore, substantial temporary increases in population that would adversely affect local school populations are not expected. Likewise, the operation workforce is not expected to generate a permanent increase in population that would impact school populations. To confirm this, the EIR will provide an estimate of the number of school-aged children that could possibly be added to local schools. The population increase that would be experienced during the construction phase of the project would be temporary and would not result in additional demand for park facilities.

The Kern County Fire Department provides fire suppression and medical emergency services to the project area. The primary fire stations that would serve the project area are Station No. 14 (Mojave), located at 1953 Highway 58 in Mojave, California, and Station No. 15 (Rosamond), located at 3219 35th Street West in Rosamond, California, sixteen miles northeast and eleven miles southeast of the project, respectively. Construction and operation activities may result in increased risk of wildfire, which could impact firefighting capacity in the area. Therefore, the potential impact on fire services from construction and operation of the project and the need for additional firefighting equipment is potentially significant and will be evaluated in the EIR.

Police protection services in the project area are provided by the Kern County Sheriff’s Department. The project is located in close proximity to two Substations. The Mojave/Boron Substation, located at 1771 Highway 58 in Mojave and the Rosamond Substation, located at 1379 Sierra Highway in



Rosamond, seventeen miles northeast and 12 miles southeast of the project, respectively. These Substations would be the primary substations to service the project area. Although the potential is low, the project may attract vandals or other security risks, and construction activities could result in increases in traffic volumes along SR-14 that could increase demand on law enforcement services. Onsite security would be provided and access would be limited to the areas surrounding the project site during construction and operation, thereby minimizing the need for police surveillance and response. The project's impacts on sheriff services are considered less than significant, but will be evaluated in the EIR.

The project is expected to result in less than significant impacts on other public services, such as post office and/or library services. Nevertheless, all impacts on public services will be evaluated in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>XVI. RECREATION.</b>				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion:**

- (a) The temporary increase of population during construction that might be caused by an influx of workers would be minimal. As a result, there would not be a detectable increase in the use of parks. Therefore, no further analysis of this topic will be conducted in the EIR.
- (b) The project does not include new recreational facilities; therefore, no further analysis of this topic will be necessary in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>XVII. TRANSPORTATION</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 § 15064.3 (b)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Substantially increase hazards due to a 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"/>

**Discussion:**

(a) The project site can be accessed from various separate routes. Primary access to the project from the regional transportation system would be gained by exiting SR 14 on to Rosamond Blvd. SR 14 is 9 miles to the east of the project area. West on Rosamond Boulevard, north on 140th Street West, and east on either Avenue of the Stars or Hamilton Road are the proposed primary access routes. Construction of the project would generate construction trips and potential roadway lane closures that could temporarily disrupt any bicycle traffic on local roadways; however, due to the rural nature of the project site area, no bus stops or designated bicycle lanes exist on the roadways likely to be used during construction and/or operation.

Furthermore, stringing activities required for transmission line infrastructure may require temporary lane closures that may result in temporary traffic delays on affected roadways. 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) The project is located in unincorporated Kern County. Construction of the project would result in an increase in truck traffic to and from the site; therefore, it is anticipated that the project has the potential to exceed any LOS standard established by the County Congestion Management Plan for designated roads or highways. Implementation of the proposed project would generate traffic on the existing roadway network. As such, impacts are considered potentially significant. This impact will be discussed and analyzed in the EIR.

(c) A number of existing dirt roads within the project site would be graded, widened, and/or compacted to provide adequate construction and maintenance access to the project facilities. New access roads would be constructed where required. All site access roadways would be private and gated to restrict public use; all modifications to existing onsite access roads and any new access roads created are not expected to result in an increase to public transportation hazards due to design or incompatible use. Access to the project site may also require improvements to highway off-ramps and/or local roadways



that provide access to the site. As all project access roads would require Access Road Design and Encroachment Permits from both Kern County and the California Department of Transportation, project's compliance with regulations pertaining to access road modifications and construction for the project will be evaluated in the EIR.

- (d) Construction of the project would generate construction trips and potential roadway lane closures that could temporarily increase the daily traffic volumes on local roadways and intersections, thereby impeding emergency access. The potential for project-related traffic to result in inadequate emergency access will be evaluated in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
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**XVIII. TRIBAL CULTURAL RESOURCES.**

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 § 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 of historical resources defined in Public Resources Code section 5020.1 (k) or

ii) A recourse 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 Resource Code section 5024.1, the lead agency shall consider the significance of the resource to a California Native America tribe.

**Discussion:**

- (a) The potential for impacts on tribal cultural resources is considered potentially significant. A cultural survey will be conducted for the proposed project. Further evaluation in the EIR is warranted to identify potential impacts to tribal cultural resources and to formulate avoidance or mitigation measures, is applicable.





Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 waste water treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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"/>

**Discussion:**

(a)

The project would generate a minimal volume of wastewater. During construction and operation, wastewater from the concrete batch plants and that associated with other construction activities would be contained within portable facilities and disposed of at an approved site. During operation, the proposed project would generate a small amount of wastewater associated with the Operation and Maintenance Facility. A septic system would be built in conjunction with the O&M facility to treat and dispose of the wastewater. The septic system would be designed and permitted per County standards and, therefore, would be consistent with wastewater treatment requirements of the RWQCB Lahontan District. Impacts would be less than significant; however, this will be further evaluated in the EIR.

The proposed project would not require new wastewater disposal systems to be constructed, as there would be no permanent employees on site. Potable water would be brought to the site for drinking and other domestic needs. Water for the washing of the panels would be purchased from the local purveyor or private well and brought in by water trucks. Since the proposed project would provide its own water



source, it would not impact existing water supply systems. Because the project is not proposing the construction of any new facilities, no impact would occur and no further analysis is warranted.

Although the project would create a small amount of additional impervious surface and may require a small amount of imported water for dust suppression during construction, these changes would not substantially increase the amount of stormwater runoff. The project area is presently drained by natural stream channels and drainages and does not rely on constructed stormwater drainage systems. The existing pattern and concentration of runoff could potentially be altered by project activities, such as the grading of access roads; however, the amount of runoff across the project site would not be substantially altered. Therefore, the project is not expected to exceed the capacity of existing stormwater drainage systems in the area or create substantial additional sources of polluted runoff. Nevertheless, further analysis will be provided in the EIR to determine the need for appropriate stormwater mitigation/design measures.

- (b) Potable water would be brought to the site for drinking and domestic needs. Water for the washing of the panels would be purchased from the local purveyor and brought in by water trucks. Because the project would provide its own water source, it would not impact existing water supply systems. Therefore, the proposed project would have sufficient water supplies available to serve the project from existing entitlements and resources and no new or expanded entitlements would be required. Impacts would be less than significant and no further analysis is warranted.
- (c) The project would require the construction of a septic system. Further analysis of this impact will be examined in the EIR.
- (d) The project is not expected to generate a significant amount of waste 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 disposed of at a local landfill, while any hazardous waste generated during project construction would be disposed of at an approved offsite location. The manufacturer and supplier of the PV modules has established a Collection and Recycling Program to promote the collection and recycling of their modules. The program enables all module components to be recovered and recycled. 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. Therefore, impacts would be less than significant and no further analysis is warranted.
- (e) The project would generate solid waste during construction and operation of the project, 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 project design. The need for mitigation measures to confirm that the project will comply with the 1989 California Integrated Waste Management Act and the 1991 California Solid Waste Reuse and Recycling Access Act of 1991, as amended will be evaluated in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No 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, or other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>

**Discussion:**

- (a) The project is not classified as a high fire hazard severity zone and is not anticipated to physically impede the existing emergency response plans, emergency vehicle access, or personnel access to the site. The site is located in a rural, sparsely developed areas with limited population. The project site is not located along an identified emergency evacuation route and is not identified in any adopted emergency evacuation plan. Therefore, less than significant impacts related to impairment of the implementation of, or physical interference with, an adopted emergency response plan or emergency evacuation plan are anticipated. Nevertheless, further analysis will be conducted in the EIR.
- (b) Given the sites flat topography, the project site is not anticipated to expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of wildfire due to slope, prevailing winds and other factors. Nevertheless, further analysis will be conducted in the EIR.
- (c) The proposed project is for the development of a solar energy generation and storage facility, this facility would include the construction of power transmission lines, inverters, roads, and energy storage facilities. Due to the presence of electrical equipment on the site, this proposed project has the potential to exacerbate wildfire risk and will be further evaluated in the EIR.
- (d) The proposed project site is not considered to be a high risk area for landslides as it is relatively flat and it no subject to post-fire slope instability, or drainage changes that would expose people or structures to significant risks. Nevertheless, further analysis will be conducted in the EIR.



Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>XXI. MANDATORY FINDINGS OF SIGNIFICANCE.</b>				
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, 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 which will cause substantial adverse effects on human beings, either directly or indirectly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Discussion:**

- (a) Impacts to biological resources are currently unknown. Biota studies for the project are currently being conducted. The EIR’s biological resources section will discuss specific project impacts on plants and wildlife including avian and bat species. The document will also evaluate the project’s contribution to cumulative biological resources impacts and propose mitigation that will reduce the impacts.
- (b) The project has the potential to contribute to cumulative impacts to aesthetics, air quality, biological resources, and hazards and hazardous materials. The EIR will evaluate the project’s contribution to cumulative impacts in these and other areas as further impacts are identified.
- (c) Although there may be significant air quality impacts during construction, the long term air quality impacts could be beneficial if fossil fuel use is reduced overall; however, potential health impacts from the project’s short-term cumulative contribution to air quality impacts will be evaluated in the EIR.