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NEW APPLICATION



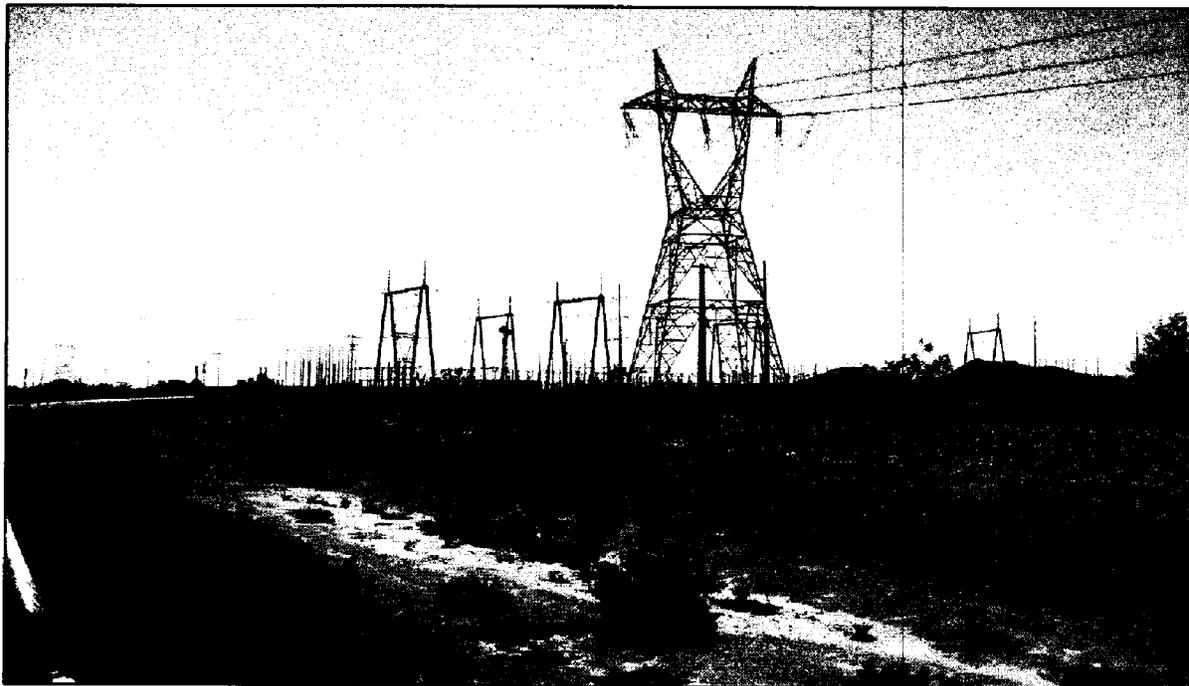
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Application for

CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY

L-00000ZZ-16-0269-00172

WHITE WING
GEN-TIE PROJECT



Submitted By:

White Wing Ranch North, LLC

Arizona Corporation Commission

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Application
for a
Certificate of Environmental Compatibility

WHITE WING GEN-TIE PROJECT

Prepared for:
Arizona Corporation Commission
Arizona Power Plant and Transmission Line Siting Committee

Submitted by:
White Wing Ranch North, LLC

Date: _____

Case No. _____

BEFORE THE
ARIZONA POWER PLANT AND TRANSMISSION LINE SITING COMMITTEE

In the matter of the Application of White Wing Ranch North, LLC, in conformance with the requirements of Arizona Revised Statutes 40-360.03 and 40-360.06, for a Certificate of Environmental Compatibility authorizing construction of the White Wing Gen-Tie Project, an approximately 3.5-mile gen-tie transmission line and associated substation facilities interconnecting to the existing Hoodoo Wash Substation approximately 10 miles north and 3 miles east of Dateland, Yuma County, Arizona.

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APPLICATION FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY

Case No. _____

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ACRONYMS

AC	Alternating Current
ACC	Arizona Corporation Commission
AGFD	Arizona Game and Fish Department
ASM	Arizona State Museum
AZDA	Arizona Department of Agriculture
BLM	Bureau of Land Management
CEC	Certificate of Environmental Compatibility
dB	Decibels
dBA	A-weighted decibels
DC	Direct Current
EPA	Environmental Protection Agency
ESA	Endangered Species Act of 1973
G&SRB&M	Gila & Salt River Base & Meridian
GIS	Geographic Information System
HANG2	Hassayampa – North Gila 2 500 kV Transmission Line
KOP	Key Observation Point
kV	Kilovolt
Ldn	Average A-weighted sound level for a 24-hour period
Leq	Equivalent sound pressure level
MW	Megawatt
NPL	Native Plant Law
O&M	Operations and Maintenance
PEP	Project Evaluation Program
PV	Photovoltaic
RA	Rural Area
RDEP	Restoration Design Energy Project
RMP	Resource Management Plan
RMZ	Recreation Management Zone
ROW	Right(s) of Way
SEZ	Solar Energy Zone
SGCN	Species of Greatest Conservation Need
SHPO	State Historic Preservation Office
SUP	Special Use Permit
USFWS	United States Fish and Wildlife Service
VC	Viewer Concern
VE	Viewer Exposure
VRM	Visual Resource Management
VQ	Visual Quality

EXECUTIVE SUMMARY

This Application is for a Certificate of Environmental Compatibility (“CEC”) authorizing construction of the White Wing Gen-tie Project, a 3.5-mile 500 to 115 kV gen-tie line and associated substation interconnections (the “Gen-tie Project” or “Project”). The Project will interconnect the White Wing Solar Project, an approved solar generating facility using photovoltaic (PV) technology (the “Solar Facility”), to the existing Hoodoo Wash Substation.

The following is an overview description of the Project:

The Project will be located about ten (10) miles north and three (3) miles east of Dateland, Arizona (see **Figure ES-1, Project Location Map**). It will be located primarily on federal lands managed by the Bureau of Land Management (“BLM”) in Sections 16, 17, 20, 28, 29, 33, and 34, T5S, R12W, G&SRBM, Yuma County, Arizona. The Project will also include up to two new substations located on private lands (see **Figure ES-2, Proposed Gen-tie Route**).

The Gen-tie Project will originate at a new substation (the “Solar Site Substation”) located on the southwest corner of the Solar Facility site. There, the electricity produced by the Solar Facility will be transformed from 34.5kV to either 500kV, 230kV or 115kV. The Gen-tie Project will, accordingly, be constructed at the same high voltage.

From the Solar Site Substation in Section 16, T5S, R12W, the Gen-tie Project will immediately enter BLM-administered lands within the BLM-designated Agua Caliente Solar Energy Zone (“SEZ”) in Section 17. The proposed BLM right of way (“ROW”) will travel south along the boundary between BLM land and the private land on which the existing Agua Caliente Solar Project is located. After following the private/BLM boundary south and east for approximately three and a half (3.5) miles on BLM land, the Project will re-enter private land near the existing Hoodoo Wash Substation in Section 34. The ROW will be up to 300 feet wide and the ROW grant issued by BLM will be for a 50-year term.

If the Solar Site Substation and Gen-tie Project are constructed at less than 500kV, then a second new substation (the “Step-up Substation”) will be constructed adjacent to the Hoodoo Wash Substation to transform the power to 500kV, and a short 500kV line will connect the Step-up Substation to the adjacent Hoodoo Wash Substation 500kV bus.

Access to the Project area will be via the Dateland interchange on Interstate-8, then nine (9) miles north on Avenue 64E, then approximately four (4) miles northeast on Palomas/Hyder Road. Access to the Gen-tie Project on BLM land will be provided by a new access road within the BLM ROW, constructed in accordance with BLM standards. Access to that road will be provided via the private lands at each end of the BLM ROW and local existing BLM roads.

Finally, the Project will include a communications system consisting of a fiber optic network necessary for control and protection of the transmission system. Substation sites will be secured with security fencing and access restrictions consistent with industry standards.

The Applicant believes that it is beneficial to the State of Arizona to issue a CEC for this simple Gen-tie Project at the proposed location for the following reasons:

- The Project will interconnect the White Wing PV Solar Facility to the regional grid, making clean, renewable energy available to regional utilities and customers.
- There will be socioeconomic benefits to the region from the Gen-tie Project.
- The Project is located on BLM-managed land designated for solar and utility line uses and is adjacent to and near existing solar, transmission, and substation facilities.
- The two Project endpoints are on private lands approved for solar and substation uses through Special Use Permits (SUPs) issued by Yuma County.
- The nearest existing residences are located approximately one and a half (1.5) miles from the Project location. There are no active residential developments and no currently active or new planned subdivisions near the Project site.
- No critical habitat will be affected by the Project and there will be no significant impacts to any threatened or endangered species, or other significant environmental impacts.

The studies and analyses for this Project show that there will be no significant direct, indirect or cumulative adverse effects on land use, cultural resources, wilderness areas, biological resources, special interest wildlife and plant species, ground or surface water quality, earth and soil resources, air quality, or noise. No significant impacts to minority or low income populations are expected to occur.

In the short-term, the construction work force can be expected to increase revenues in the retail and service sectors of the local and state economy. In the long-term, the available power interconnecting through the Gen-tie Project to the local electric transmission system will provide a more robust and reliable electric service system and will help meet the demand for clean, affordable, renewable energy, as well as reduce the dependence on fossil fuels.

The Applicant submits that the White Wing Gen-tie Project and its proposed location are environmentally compatible, and respectively requests approval of this Application.

The below Application is organized to fully describe the proposed Gen-tie Project and each issue of environmental compatibility, as prescribed by applicable statute and regulation.

In addition, a brief summary of the proposed White Wing Solar Facility is presented, as a matter of information only, to provide context for the proposed Gen-tie Project interconnection facilities that are the jurisdictional subject of this Application.



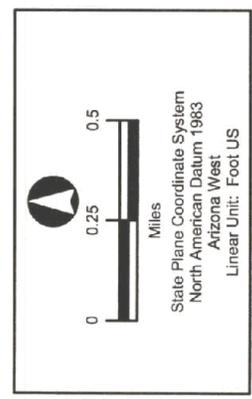
Figure ES-1
White Wing Gen-Tie Project
Project Location



Legend

- ▲ Existing Substation
- Structure Location
- ⋯ Proposed Gen-Tie Line Route
- Existing 500 kV Transmission Line
- Railroad
- ▭ Proposed White Wing Solar Project Location
- ▭ Proposed Gen-Tie Line ROW
- ▭ Proposed Substation
- ▨ Agua Caliente SEZ
- ▨ BLM Designated Utility Corridor
- ▭ Township / Range Boundary
- ▭ Section Boundary
- ▭ Jurisdictional Land Ownership
- ▭ Bureau of Land Management Land
- ▭ State Land

Figure ES-2



WHITE WING GEN-TIE PROJECT	
Proposed Gen-Tie Route	
Map Extent: Yuma County, Arizona	
Date: 06/27/16	Author: sjk

APPLICATION

1. NAME AND ADDRESS OF THE APPLICANT, OR IN THE CASE OF A JOINT PROJECT, THE APPLICANTS:

White Wing Ranch North, LLC
135 Main Street, 6th floor
San Francisco, CA 94105

2. NAME, ADDRESS, AND TELEPHONE NUMBER OF A REPRESENTATIVE OF THE APPLICANT WHO HAS ACCESS TO TECHNICAL KNOWLEDGE AND BACKGROUND INFORMATION CONCERNING THIS APPLICATION IN QUESTION AND WHO WILL BE AVAILABLE TO ANSWER QUESTIONS OR FURNISH ADDITIONAL INFORMATION:

Max Bakker, Project Developer
First Solar
135 Main Street, 6th floor
San Francisco, CA 94105
415-471-0375
Max.Bakker@FirstSolar.com

With a copy to:
Ms. Beth Deane, General Counsel
First Solar
135 Main Street - 6th Floor
San Francisco, CA 94105

3. STATE EACH DATE ON WHICH THE APPLICANT FILED A TEN-YEAR PLAN IN COMPLIANCE WITH A.R.S. §40-360.02 AND DESIGNATE EACH SUCH FILING IN WHICH THE FACILITIES FOR WHICH THIS APPLICATION IS MADE WERE DESCRIBED. IF THEY HAVE NOT BEEN PREVIOUSLY DESCRIBED IN A TEN-YEAR PLAN, STATE THE REASONS THEREFOR:

White Wing Ranch North, LLC filed a Ten-Year Plan for the subject transmission line and associated substation(s) in compliance with ARS 40-360.02 on January 29, 2016.

4. DESCRIPTION OF THE PROPOSED FACILITY, INCLUDING:

4.a. With respect to an electric generating plant:

Not applicable, as the proposed facility does not constitute a plant.

4.b. With respect to a proposed transmission line:

4.b.i. Nominal voltage for which the line is designed; description of the proposed structures and switchyards or substations associated therewith; and purpose for constructing said transmission line.

- The nominal voltage of the proposed Gen-tie Project will be either 500kV, 230kV, or 115kV. The final interconnection voltage at the existing Hoodoo Wash Substation will be 500kV. The electrical one-line diagrams of the proposed on-site substations and the connections to the Step-up Substation and adjacent Hoodoo Wash Substation are shown on **Figures 4-1 through 4-3** respectively.
- The proposed structures associated with the Project consist of a new substation to transform power from 34.5kV to either 500kV, 230kV or 115kV (the "Solar Site Substation") and an approximately 3.5-mile 500kV, 230kV or 115kV gen-tie line (the "Gen-tie Line") originating at the Solar Site Substation and interconnecting with the existing Hoodoo Wash Substation. If the Solar Site Substation and the Gen-tie Line are constructed at voltage below 500kV, an additional substation providing transformation stepping up to 500kV (the "Step-up Substation") will be constructed on private lands immediately west of the existing Hoodoo Wash Substation. (The Solar Site Substation, the Gen-tie Line and the Step-up Substation are collectively referred to as the "Project" or "Gen-tie Project".) The conceptual layout of these facilities is depicted on **Figure 4-4, Proposed White Wing Gen-tie Project Route**.
- The purpose for constructing the Gen-tie Project is to interconnect a proposed photovoltaic solar generating facility known as the White Wing Solar Project (the "Solar Facility") with the regional transmission grid by means of the existing Hoodoo Wash Substation. The Solar Facility will have electrical collection systems that deliver the energy generated to the Solar Site Substation at 34.5kV. At the Solar Site Substation, the electricity

will be stepped up to the voltage of the Gen-tie Line (500kV, 230kV, or 115 kV). A brief informational summary of the proposed Solar Facility is presented in Paragraph 4.c. below.

4.b.ii. Description of geographical points between which the transmission line will run, the straight-line distance between such points and the length of the transmission line for each alternative route for which the application is made:

- The Gen-tie Line will originate at the Solar Site Substation, which will be located on the southwest corner of the Solar Facility site, in Section 16, T5S, R12W, G&SRB&M. From there, the Gen-tie Line will head south, and then east, to the Step-up Substation and/or ultimately terminating at the existing Hoodoo Wash Substation located in Section 34 of the same township, immediately south of the existing Agua Caliente Solar Project. See **Figure 4-5** for the location of the interconnection into the Hoodoo Wash Substation where the line would terminate at a new A-Frame structure (see **Figure G-5**). If the Step-up Substation is constructed, a short 500 kV line approximately 1000 feet long would run east from the Step-Up Substation to the Hoodoo Wash Substation. This line would require one turning structure as shown on **Figure G-1b**.
- The straight-line distance of the Gen-tie Line will be approximately three (3) miles.
- Applicant is not requesting approval of any alternative routes for the Gen-tie Line.

4.b.iii. Nominal width of right-of-way required, nominal length of spans, maximum height of supporting structures and minimum height of conductor above ground:

- The right-of-way required for the Gen-tie Line between the Solar Site Substation and the Hoodoo Wash Substation will be up to 300 feet wide.
- The Gen-tie Line will be comprised of approximately 25 spans between the Solar Site Substation and the Hoodoo Wash Substation, depending upon the final voltage selection; accordingly, span lengths will typically be between 800 and 1400 feet, resulting in about 4 to 7 structures per mile of line.

- Support structure heights will range from approximately 100 to 150 feet, varying with terrain, and depending upon the final voltage selection and associated span lengths.
- The Gen-tie Line will be designed to maintain phase-phase, phase-ground clearances per the final voltage and all applicable codes and standards.

4.b.iv. To the extent available, the estimated costs of the proposed transmission line and route, stated separately. (If application contains alternative routes, furnish an estimate for each route and a brief description of the reasons for any variations in such estimates:

- The presently estimated cost for the Gen-tie Project facilities is \$20 million to \$27 million, depending on the ultimate voltage and substation configuration.

4.b.v. Description of proposed route and switchyard locations. (If application contains alternative routes, list routes in order of applicant's preference with a summary of reasons for such order of preference and any changes such alternative routes would require in the plans reflected in (i) through (iv) hereof):

- The Gen-tie Project will be located in Sections 16, 17, 20, 28, 29, 33 and 34, T5S, R12W, G&SRB&M, Yuma County, approximately ten (10) miles north of Dateland, Arizona (See **FigureES-1, Project Location Map**).
- The proposed route for the Gen-tie Line will originate on private lands in Section 16, T5S, R12W at the Solar Site Substation, which will be located on the southwest corner of the Solar Facility. From the Solar Site Substation, the Gen-tie Line will immediately enter federal lands administered by the Bureau of Land Management ("BLM") in Section 17, T5S, R12W and head south for approximately three and a half (3.5) miles along the western boundary of the existing Agua Caliente Solar Project. At its southern terminus, the Gen-tie Line will re-enter private land near the existing Hoodoo Wash Substation in Section 34, T5S, R12W (See **Figure 4-4, Proposed White Wing Gen-Tie Project Route**).

- Access to the Gen-Tie Project area will be via the Dateland interchange on Interstate-8 at Dateland, Arizona, then nine (9) miles north on Avenue 64E, then approximately four (4) miles east on Palomas Road.

4.b.vi. For each alternative route for which application is made, list the ownership percentages of land traversed by the entire route (federal, state, Indian, private, etc.):

- The Project will be located primarily on federal land managed by the BLM. The endpoints of the Project—the Solar Site Substation and the Step-up Substation—will be located on private lands. The approximate respective ownership percentages are: BLM, 91 %; private, 9 %.
- The Solar Site Substation will be located on the proposed Solar Facility, which is owned by the Applicant.
- The Applicant has filed a ROW application with the BLM for the federal lands that the Gen-tie Line will traverse.
- The Applicant has already obtained a ROW to cross the small parcel of private land just west of the existing Hoodoo Wash Substation where the Step-up Substation will be constructed, if needed, and the Gen-tie Project will interconnect to the regional high-voltage transmission grid via the existing Hoodoo Wash Substation.

4.c. White Wing Solar Facility Informational Overview:

As indicated above, the following information generally describes the proposed White Wing Solar Project to provide context for the gen-tie electrical interconnection facilities that are the subject of this Application.

The White Wing Solar Project (“Solar Facility”) is a 210 MW photovoltaic (PV) solar energy generating facility proposed to be constructed on approximately 1,450 acres of private lands north of and adjacent to the existing 290 MW Agua Caliente Solar Project. The new Solar Facility will be located on the northern portion of the private agricultural property previously known as the White Wing Ranch.

This area is an unincorporated part of Yuma County. The Solar Facility site and surrounding area is zoned Rural Area (RA)-40 by Yuma County. The RA-40 zoning

allows as special uses the type of public or private utility installations for electric generating or transmission facilities that are involved in this Project. The planned land use for this area is Agriculture / Rural Preservation (A-RP). On March 7, 2016, Yuma County approved a Special Use Permit (SUP) allowing development of the Solar Facility.

The Solar Facility will utilize First Solar's thin-film PV modules to produce clean, renewable energy. The PV panels will be mounted on single-axis horizontal trackers and oriented in north-south rows with the panels moving to track the sun as it moves across the sky during the day. The trackers include low voltage electric drive motors, controller equipment, backup power supplies, meteorological stations, and anemometers. At full build-out, the Solar Facility site will have approximately 900 acres covered by PV solar panel arrays.

The major equipment in the Solar Facility includes the following:

- First Solar PV modules
- Single-axis tracking supports
- Power Conversion Stations ("PCS") to convert DC to AC
- A DC collection system comprised of underground DC cabling and combiner boxes
- A medium voltage (34.5 kV) collection system from the PCS locations to the Solar Site Substation
- Photovoltaic Combining Switchgear or sectionalizing cabinets
- The Solar Site Substation with 34.5 kV to 500 kV high voltage step-up transformer (SUT), breakers, and associated substation equipment
- Meteorological stations
- A possible operation and maintenance ("O&M") building with parking
- Telecommunications equipment

During construction, the Solar Facility will employ an estimated 350 to 500 workers on-site per month. Once operational, the Solar Facility will require a total of four (4) full-time, on-site employees. PV solar energy generating facilities require a limited amount of maintenance. Employee activities would include periodic inspections, PV panel maintenance, dust control, weed control, maintaining electrical collection system components, and maintaining on-site infrastructure, *e.g.*, driveways, drainage channels, and retention basins.

Once constructed, the Solar Facility will require only nominal water use for employee sanitation purposes in the O&M facilities, which may include a septic system. Construction water for dust control, etc., as well as all subsequent O&M

water requirements will be supplied by existing on-site wells owned by the Applicant.

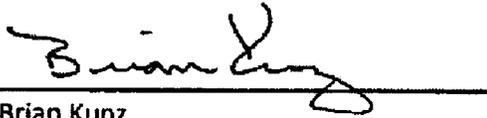
Because the Solar Facility will be located on property that has been previously tilled and leveled for irrigated agricultural production, very little new grading will be required on-site. The design and construction of all buildings, solar arrays, and associated infrastructure will be consistent with Yuma County building standards. **Figure 4-6** provides the approved site plan for the Solar Facility.

5. LIST THE AREAS OF JURISDICTION [AS DEFINED IN A.R.S. § 40-360(1)] AFFECTED BY EACH ALTERNATIVE SITE OR ROUTE AND DESIGNATE THOSE PROPOSED SITES OR ROUTES, IF ANY, WHICH ARE CONTRARY TO THE ZONING ORDINANCES OR MASTER PLANS OR ANY SUCH AREAS OF JURISDICTION:

The White Wing Gen-Tie Project is located on federal land administered by the BLM and on private lands in an unincorporated portion of Yuma County. The proposed Gen-Tie Project is not contrary to land management direction provided by the BLM nor any zoning ordinances or comprehensive plans of Yuma County as described in **Exhibit A**.

6. DESCRIBE ANY ENVIRONMENTAL STUDIES APPLICANT HAS PERFORMED OR CAUSED TO BE PERFORMED IN CONNECTION WITH THIS APPLICATION OR INTENDS TO PERFORM OR CAUSE TO BE PERFORMED IN SUCH CONNECTION, INCLUDING THE CONTEMPLATED DATE OF COMPLETION.

The Applicant has conducted studies to evaluate potential impacts associated with the Gen-tie Project on land use, biological resources, cultural and historical resources, visual resources, recreation, noise / communication signals, and existing plans in the area. The results of these analyses are included in the Exhibits to this Application.

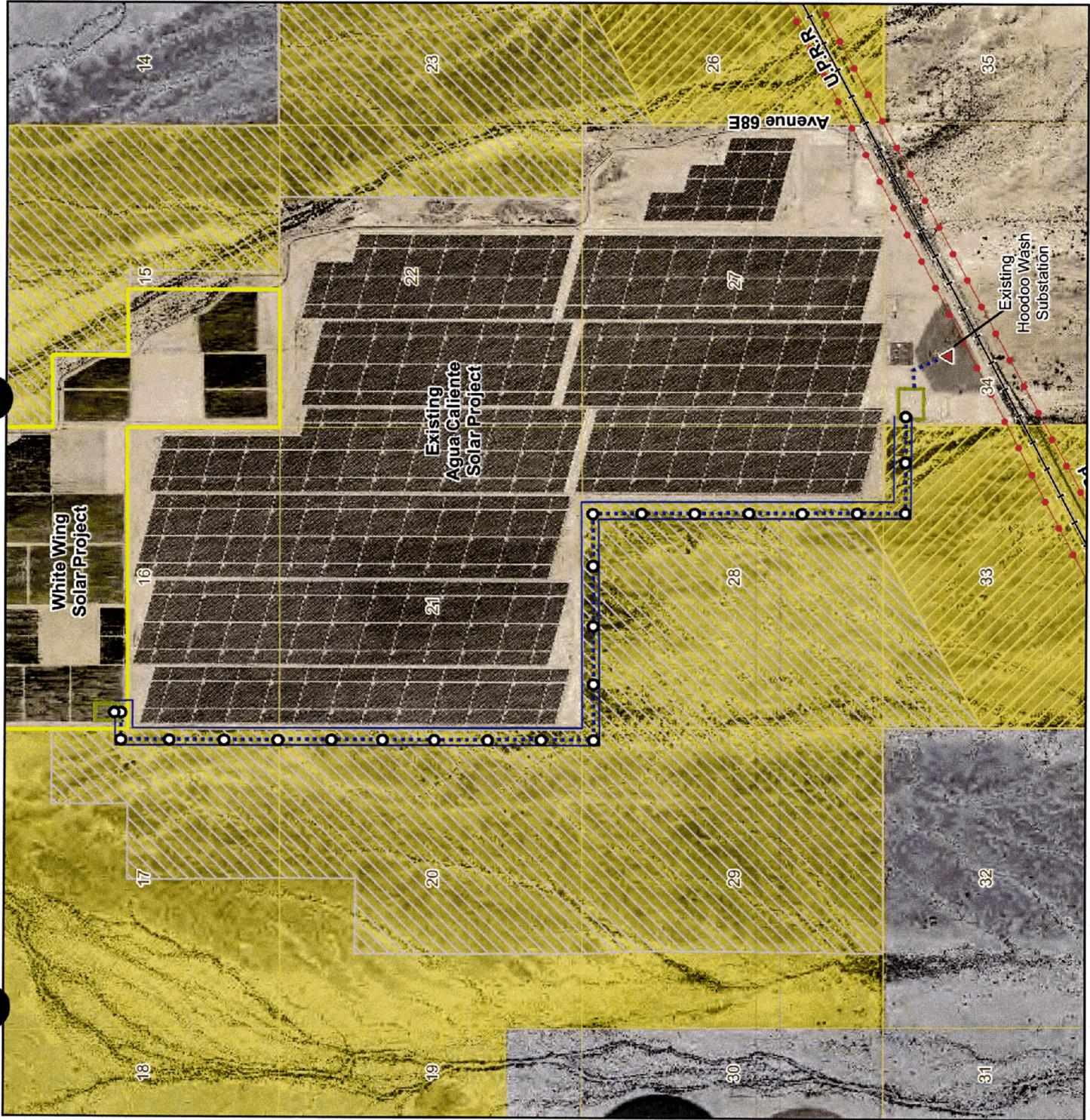


Brian Kunz
White Wing Ranch North, LLC

ORIGINAL and 25 copies of the foregoing hand delivered and filed with the Director of Utilities, Arizona Corporation Commission, this 18 day of August, 2016.

R12W

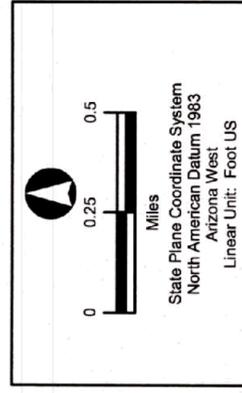
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Legend

- ▲ Existing Substation
- Structure Location
- ⋯ Proposed Gen-Tie Line Route
- Existing 500 kV Transmission Line
- Railroad
- Proposed White Wing Solar Project Location
- Proposed Gen-Tie Line ROW
- Proposed Substation
- Agua Caliente SEZ
- BLM Designated Utility Corridor
- Township / Range Boundary
- Section Boundary
- Jurisdictional Land Ownership
 - Bureau of Land Management Land
 - State Land

Figure 4-4



WHITE WING GEN-TIE PROJECT

Proposed Gen-Tie Route

Map Extent: Yuma County, Arizona

Date: 06.27.16

Author: sjk

EXHIBIT A

PROJECT LOCATION AND LAND USE

As stated in the Arizona Administrative Code, Title 14, Chapter 3, Article 2:

Where commercially available, a topographic map, 1:250,000 scale, showing any proposed transmission line route of more than 50 miles in length and the adjacent area. For routes of less than 50 miles in length, use a scale of 1:62,500. If application is made for alternative transmission line routes, all routes may be shown on the same map, if practicable, designated by applicant's order of preference.

Where commercially available, a topographic map, 1:62,500 scale, of each proposed transmission line route of more than 50 miles in length showing that portion of the route within two miles of any subdivided area. The general land use plan within the area shall be shown on a 1:62,500 map required for Exhibit A-3, and for the map required by this Exhibit A-4, which shall also show the areas of jurisdiction affected and any boundaries between such areas of jurisdiction. If the general land use plan is uniform throughout the area depicted, it may be described in the legend in lieu of an overlay.

Figure A-1 depicts the White Wing Gen-tie Project and jurisdictions within a 20-mile area on a topographic map (1:250,000 scale).

Figure A-2 depicts the White Wing Gen-tie Project and jurisdiction within 2 miles on a topographic map (1:62,500 scale).

Figure A-3 depicts existing Yuma County and BLM designated land use within a 2-mile radius of the White Wing Gen-tie Project on aerial photograph (1:62,500 scale).

Figure A-3a depicts the existing industrial and utility land uses in the Project area.

Figure A-4 depicts current zoning within two miles of the White Wing Gen-tie Project on an aerial photograph (1:62,500 scale).

PROJECT LOCATION

The White Wing Gen-tie Project ("Project") is located in the eastern portion of unincorporated Yuma County approximately 10 miles north and 3 miles east of Dateland, Arizona.

The Project initiates at the Solar Site Substation and terminates at the existing Hoodoo Wash Substation located approximately 3.5 miles south. The Solar Site Substation is located on the site of the proposed White Wing Solar Facility. The Step-up Substation and Hoodoo Wash Substation are both located north of Palomas / Hyder Road.

JURISDICTIONS AND LAND OWNERSHIP

As depicted on **Figure A-2**, land ownership for the Gen-tie Project is predominantly BLM with both endpoints located on private lands. The surrounding area includes BLM, State, and private lands.

The jurisdiction regulating land use on the lands covered by the White Wing Gen-tie Project is with the BLM and Yuma County. The Project endpoints / substations are located on private lands under the jurisdiction of Yuma County and most of the Gen-tie line is on federal lands managed by the BLM.

The BLM-administered lands crossed by the proposed Project have been designated for solar and utility uses as described further below.

The private lands where the project endpoints are located are subject to Special Use Permits (SUPs) issued by Yuma County for solar projects and associated utility infrastructure. An SUP was approved in March 2016 by Yuma County for the White Wing Solar Project that included the lands for the Solar Site Substation (the northern terminus of the Project) and the Step-up Substation. An SUP was issued by Yuma County in 2009 for the Agua Caliente Solar Project that included the Hoodoo Wash Substation (the southern terminus of the Project).

EXISTING CONDITIONS

The existing land use in the area is dominated by industrial, agricultural, and open land uses. The BLM-administered land crossed by the Gen-tie, while designated for solar and utility uses, is currently managed by the BLM for multiple uses.

The private lands where the Solar Site Substation will be located (the northern terminus of the Project) are currently in agriculture. The private lands south of the White Wing Solar Project are occupied by undeveloped areas of the Agua Caliente Solar Project and the Hoodoo Wash Substation (the southern terminus of the Project).

Also, two existing 500kV lines occur immediately south of the Project area along Palomas / Hyder Road and an abandoned segment of the Union Pacific Railroad. The existing Hassayampa to North Gila 500 kV transmission line corridor parallels the railroad and road, and interconnects to the Hoodoo Wash Substation. The newly-built Hassayampa – North Gila #2 500kV Line (HANG2) also follows this same corridor but

does not connect to Hoodoo Wash Substation. There is also some vacant historically agricultural land nearby. **Figure A-3a** shows the currently existing industrial and utility land uses in the Project area.

Land Use Plans

The proposed White Wing Gen-tie Project is located on BLM-administered land within the Yuma Field Office. The two endpoints of the Project are located on private lands under the jurisdiction of Yuma County.

BLM Management Plans

The BLM-managed lands are subject to the management direction within BLM's 2010 *Yuma Field Office Record of Decision and Approved Resource Management Plan* (Yuma RMP). In 2013, the northern portion of the BLM-administered lands crossed by the Project was established as the Agua Caliente Solar Energy Zone (SEZ) through the Record of Decision (ROD) for the Arizona Restoration Design Energy Project (RDEP). The RDEP was a BLM Arizona initiative to identify lands across the state that may be suitable for the development of renewable energy. The SEZs are defined by the BLM as areas within which the BLM will prioritize and facilitate utility-scale production of solar energy and associated transmission infrastructure development. The Agua Caliente SEZ was considered suitable as a potential site for utility-scale solar development. The Yuma RMP was amended by this action to include the Agua Caliente SEZ.

The southern portions of the BLM-administered lands crossed by the Proposed Action are outside the SEZ but within a utility corridor designated in the Yuma RMP. Designated corridors are the preferred locations for major linear utility ROWs. This specific designated utility corridor is referred to as the San Diego Gas and Electric Interconnection corridor.

The Proposed Action conforms to the objectives and requirements described in both the Yuma RMP and the Arizona RDEP.

Yuma County Plans

As mentioned above, Yuma County is responsible for regulating private land use on and around the Project Site. The Yuma County Comprehensive Plan 2020 was adopted in 2012 and updated in 2015. Yuma County annually updates the plan as necessary through the major plan amendment process.

Land use planning information for the area was gathered from Yuma County. This area is included within the Dateland/East County Planning Area. The Dateland/East County Planning Area is the largest of the four planning areas in Yuma County and consists primarily of agricultural lands and Sonoran Desert. The existing communities in the

planning area are characterized as small, remote and rural. Historically, Dateland and the entire East County area has had an economic base of farming, agricultural production, and associated railroad activities. The planning area covers 554,156 acres or approximately 861 square miles, with less than 1% of the land area developed for residential uses. The majority of land within this planning area is under BLM jurisdiction and the private land is predominately in agricultural production or open desert.

Regarding the Dateland / East County Planning Area in particular, one of the policies and priorities included in the County Plan is to “[p]romote the construction of solar or wind power plants.” Another states that “[e]conomic development will be a key consideration when considering any future change in land use designations.” The proposed Project would help meet these goals.

The 2010 U.S. Census reported a population of 815 in this planning area. Between 2000 and 2010, the population of the Dateland/East County Planning Area declined by 322 individuals.

Currently, as shown on **Figure A-4**, the land use designation for the Project Site and surrounding areas is Agriculture/Rural Preservation (Yuma County 2020 Comprehensive Plan Land Use Map, 2015). The purpose of this land use element is resource preservation with emphasis on protecting and preserving agricultural-related resources and continued agricultural use.

The Project area and surrounding area is zoned Rural Area (RA)-40 by Yuma County as shown on **Figure A-4**. The RA-40 zoning allows as special uses public or private utility installations for electric generating or transmission facilities such as those proposed for this Project. As indicated above, Yuma County has issued SUPs for both the proposed White Wing Solar Project and the existing Agua Caliente Solar Project – the private lands where the Project endpoint substations would be located.

POTENTIAL EFFECTS

The Project would be consistent with the existing land uses, the land use designations, and zoning for the Project lands and surrounding areas. The proposed Project would be similar to and compatible with the existing and proposed solar projects, transmission lines, substations, and other utilities in the immediate area.

REFERENCES

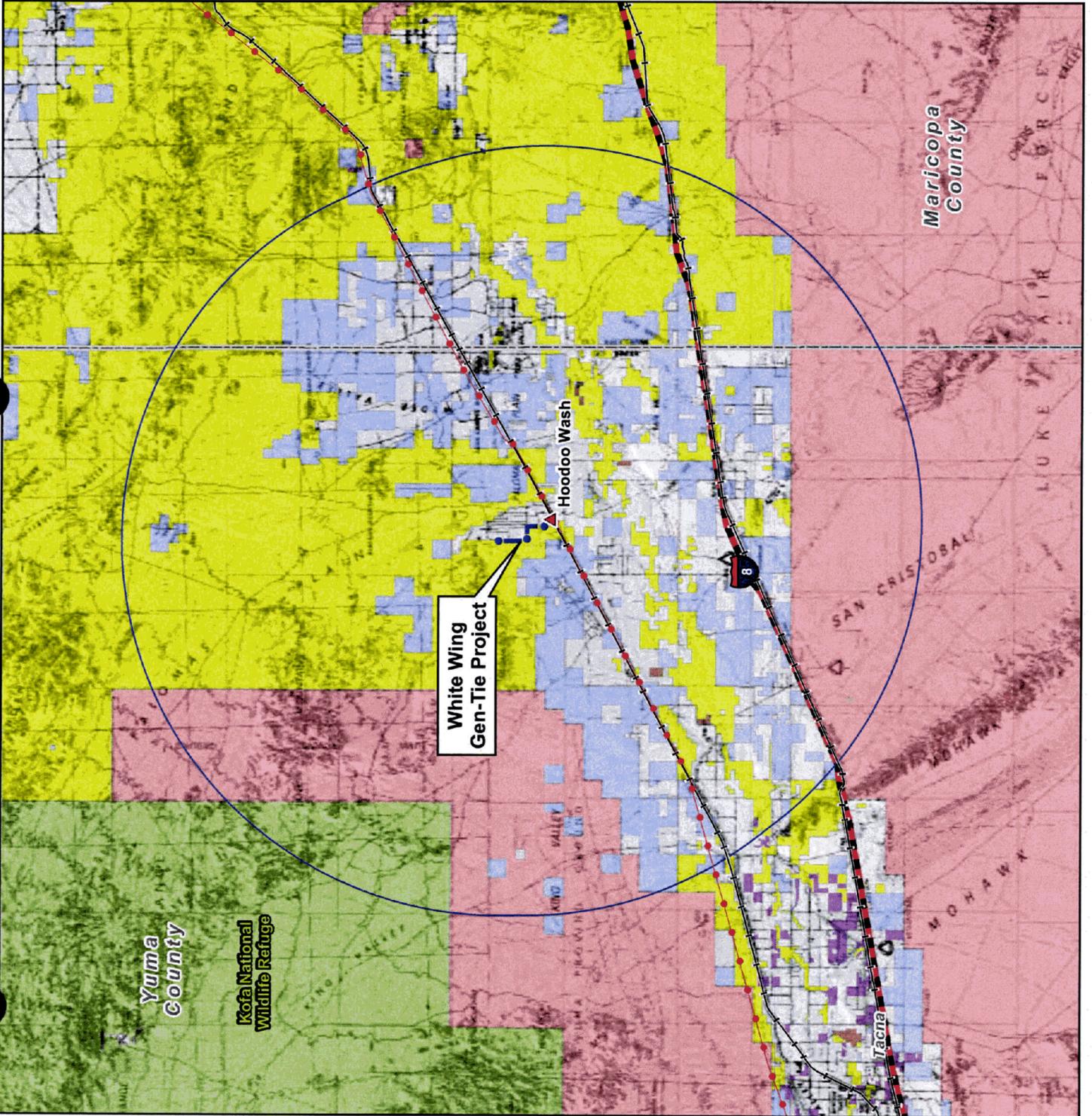
Bureau of Land Management (BLM). 2010. Yuma Field Office Record of Decision and Approved Resource Management Plan (Yuma RMP). [Online] Located at: http://www.blm.gov/az/st/en/info/nepa/environmental_library/arizona_resource_management/YFO/YFO-ROD.html. Accessed March, 2016.

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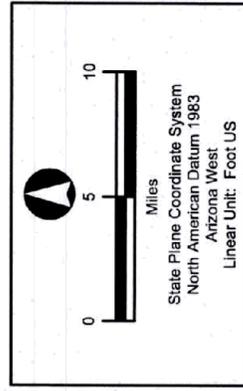
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Legend

- Existing Substation
- Proposed Gen-tie
- Existing 500 kV Transmission Line
- Interstate
- State Highway
- Railroad
- 20 Mile Buffer
- Municipal Boundary
- County Boundary
- Jurisdictional Land Ownership
- Bureau of Land Management Land
- State Land
- Military
- USFWS
- State Wildlife Area
- Bureau of Reclamation
- Private Land (No Shading)

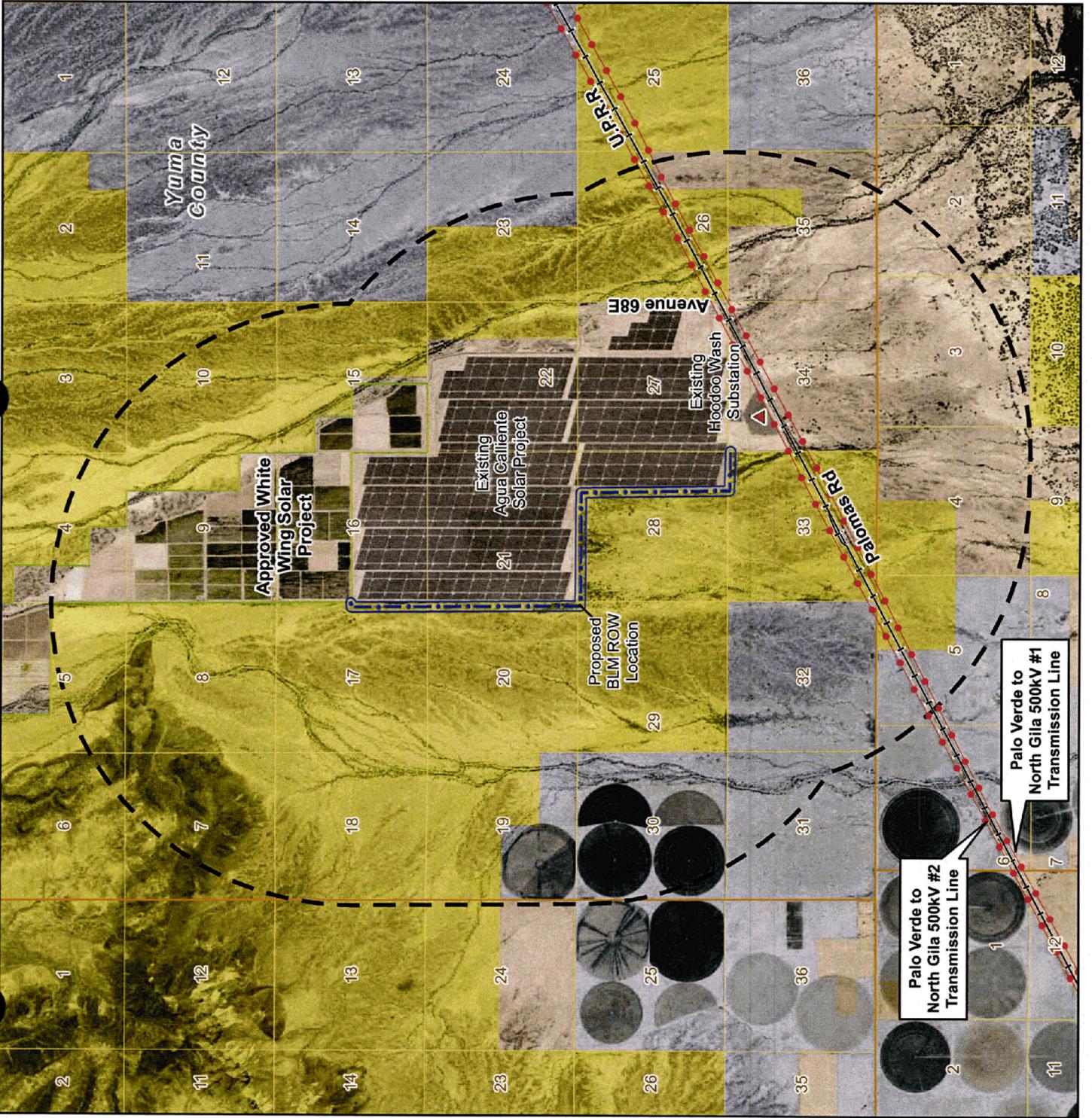


WHITE WING GEN-TIE PROJECT

Figure A-1 – Project Location

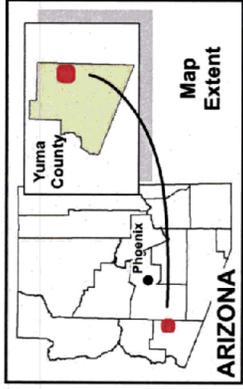
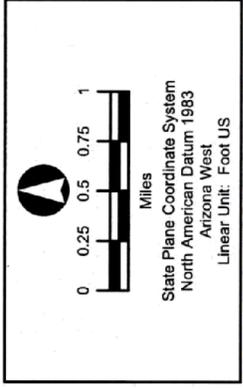
Map Extent: Yuma County, Arizona

Date: 07.11.16 Author: mc



Legend

- Existing Substation
- Proposed Gen-tie
- Existing 500 kV Transmission Line
- Railroad
- Proposed Gen-Tie ROW - 350 ft
- Project Study Area (2-mile Buffer)
- Approved White Wing Solar Project
- Township / Range Boundary
- Section Boundary
- County Boundary
- Jurisdictional Land Ownership
- Bureau of Land Management Land
- State Land
- Private Land (No Shading)



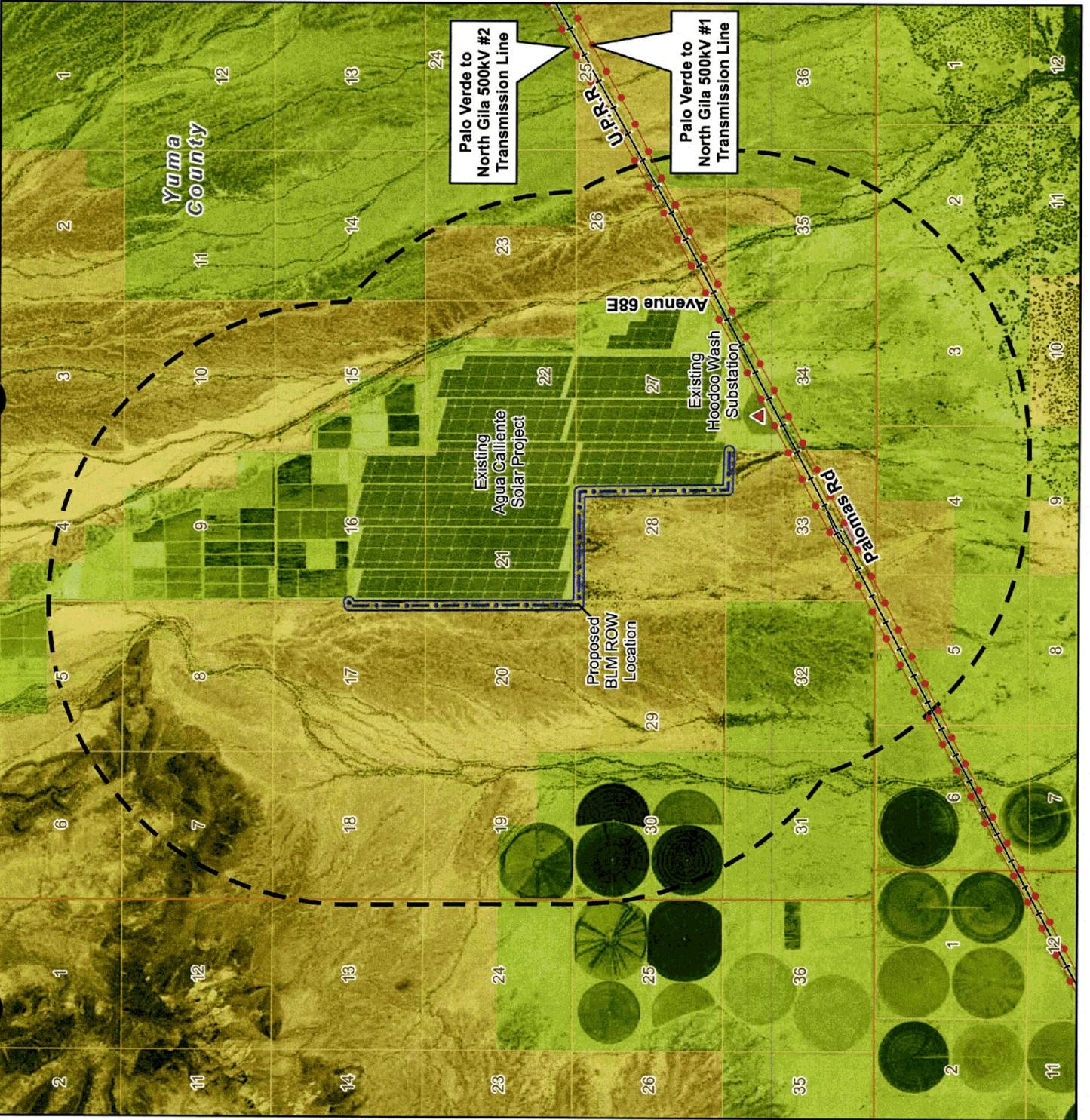
WHITE WING GEN-TIE PROJECT

Figure A-2 – Land Jurisdiction

Map Extent: Yuma County, Arizona

Date: 07.11.16

Author: inc



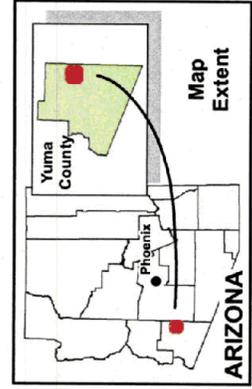
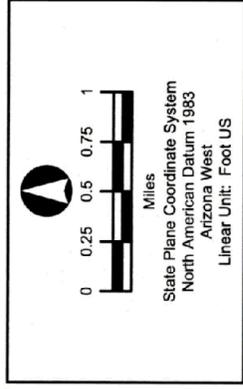
R13W

T5S

T6S

Legend

- ▲ Existing Substation
- Proposed Gen-tie
- Existing 500 kV Transmission Line
- Railroad
- Proposed Gen-Tie ROW - 350 ft
- Project Study Area (2-mile Buffer)
- Township / Range Boundary
- Section Boundary
- County Boundary
- Land Use
- A-RP, Agricultural/Rural Preservation
- Jurisdictional Land Ownership
- Bureau of Land Management Land

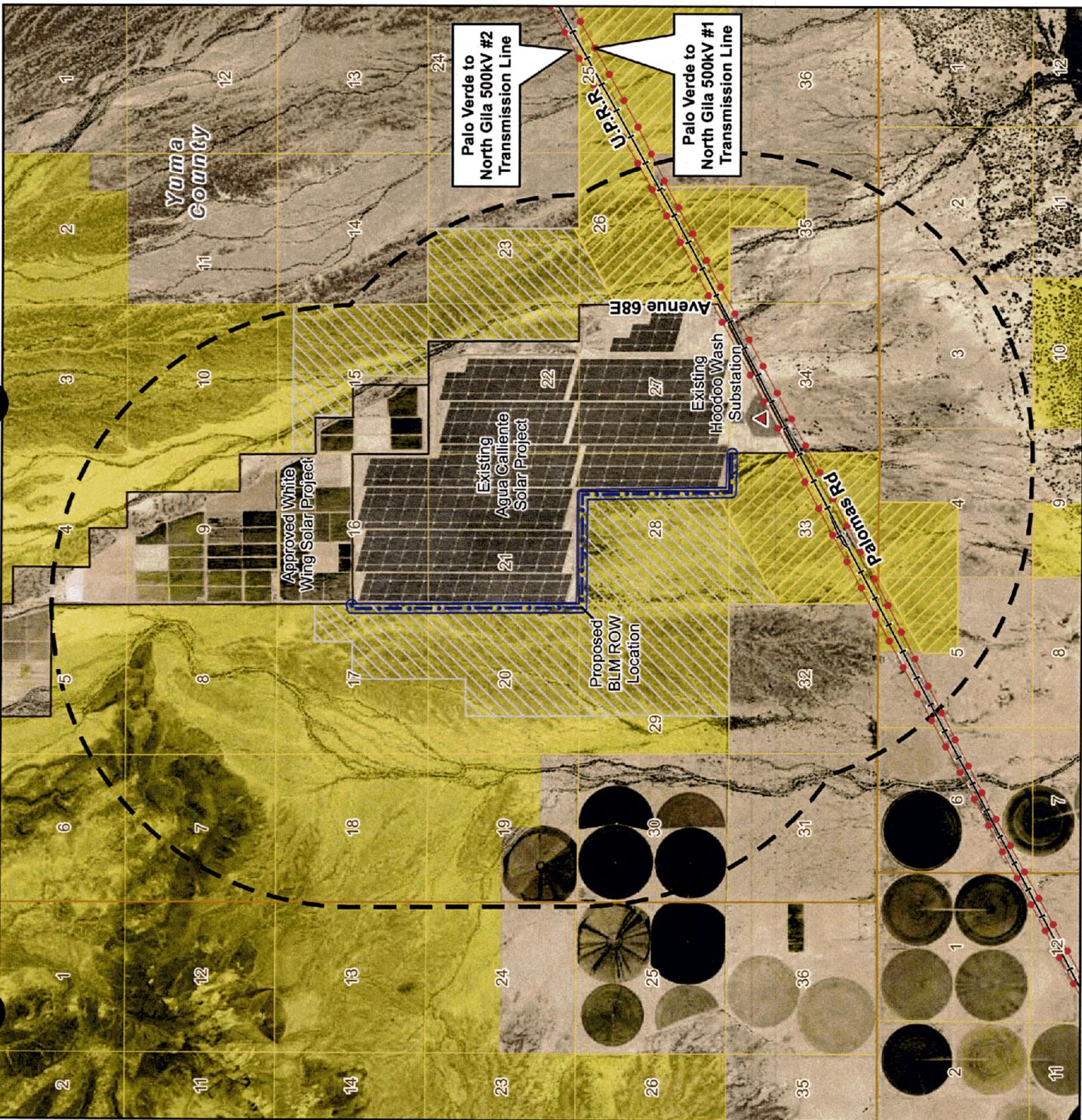


WHITE WING GEN-TIE PROJECT

Figure A-3 – Existing Land Use

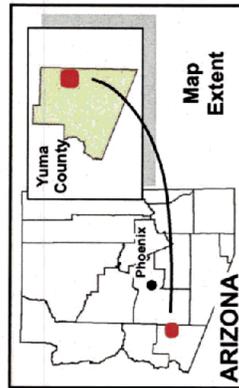
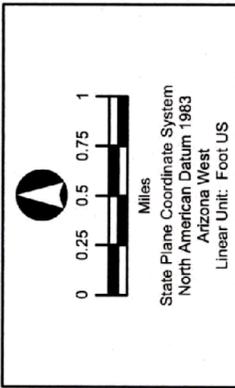
Map Extent: Yuma County, Arizona

Date: 07.11.16 Author: mc



Legend

- ▲ Existing Substation
- Proposed Gen-tie
- Existing 500 kV Transmission Line
- Railroad
- Proposed Gen-Tie ROW - 350 ft
- Project Study Area (2-mile Buffer)
- SUP Boundary
- Agua Caliente SEZ
- BLM Designated Utility Corridor
- Township / Range Boundary
- Section Boundary
- County Boundary
- Jurisdictional Land Ownership
- Bureau of Land Management Land



WHITE WING GEN-TIE PROJECT

Figure A-3a - Existing and Planned Energy Uses in the Area

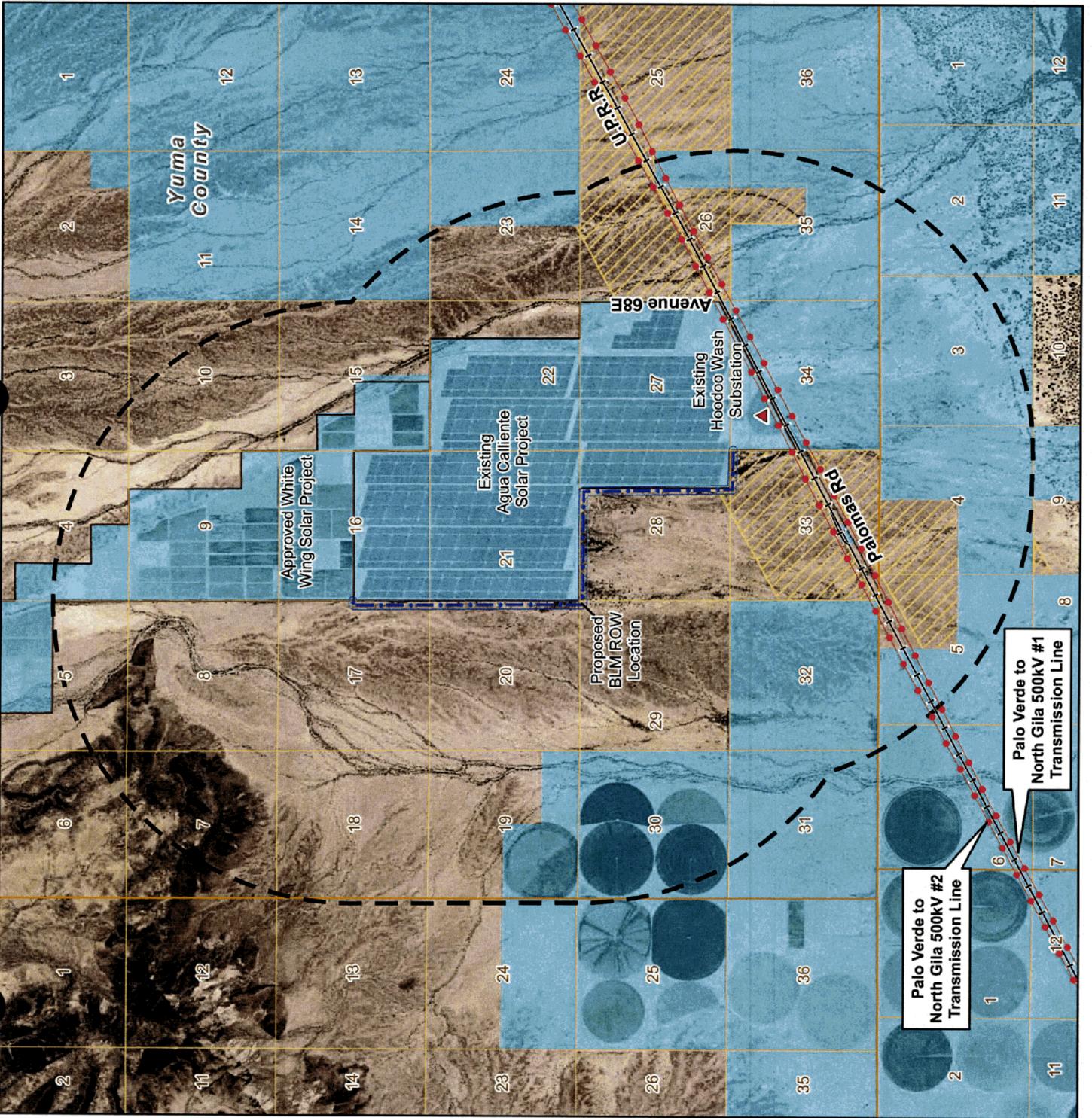
Map Extent: Yuma County, Arizona

Date: 07.11.16 Author: inc

R13W

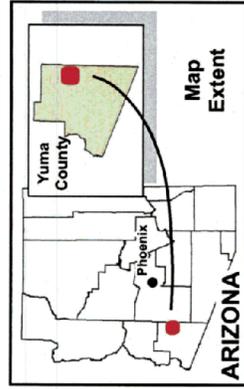
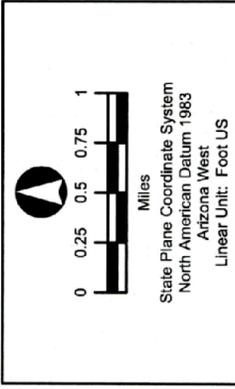
T5S

T6S



Legend

- Existing Substation
- Proposed Gen-tie
- Existing 500 kV Transmission Line
- Railroad
- Proposed Gen-Tie ROW - 300 ft
- Project Study Area (2-mile Buffer)
- SUP Boundary
- BLM Designated Utility Corridor
- Township / Range Boundary
- Section Boundary
- County Boundary
- Zoning
- RA-40, Rural Area Zoning District (40-acre minimum)



WHITE WING GEN-TIE PROJECT

Figure A-4 – Zoning and BLM Designated Utility Corridors

Map Extent: Yuma County, Arizona

Date: 07.11.16 Author: mc

T55

T51

EXHIBIT B

ENVIRONMENTAL STUDIES

As stated in the Arizona Administrative Code, Title 14, Chapter 3, Article 2:

“Attach any environmental studies which applicant has made or obtained in connection with the proposed site(s) or route(s). If an environmental report has been prepared for any federal agency or if a federal agency has prepared an environmental statement pursuant to Section 102 of the National Environmental Policy Act, a copy shall be included as part of this exhibit.”

The results of the environmental studies and analyses conducted by the Applicant are discussed in subsequent exhibits of this Application. **Exhibit A** describes existing and proposed land use and consistency with land use plans; **Exhibit C** addresses potential impacts to sensitive biological resources in the Project area; **Exhibit D** discusses potential impacts to other biological resources in the area; **Exhibit E** summarizes the potential effects on the area's scenic quality and cultural resources; **Exhibit F** summarizes the potential effects on recreation resources; **Exhibit H** describes how the Project could affect local plans; and **Exhibit I** discusses the noise and communication signal impacts that would be expected.

Most of the Project (with the exception of the endpoint substations) is located on federal lands managed by the BLM. The Applicant has applied for a right-of-way (ROW) from BLM for the Project and an Environmental Assessment (EA) is being developed to satisfy the requirements of the National Environmental Policy Act (NEPA). A copy of the EA will be provided when the Draft is available for public review.

The federal lands crossed by the Project have been evaluated in previous NEPA analyses associated with the decisions to designate these lands as a Solar Energy Zone (SEZ) and utility corridor, respectively.

EXHIBIT C

AREAS OF BIOLOGICAL WEALTH

As stated in the Arizona Administrative Code, Title 14, Chapter 3, Article 2:

Describe any areas in the vicinity of the proposed site or route which are unique because of biological wealth or because they are habitats for rare and endangered species. Describe the biological wealth or species involved and state effects, if any, the proposed facilities will have thereon.

METHODS

Special status plant and wildlife species are subject to regulations under the authority of federal and state agencies. Special status species include those species that are listed by the U.S. Fish and Wildlife Service (USFWS) as federal endangered, threatened, proposed, or candidate species under the Endangered Species Act of 1973 (ESA), Section 4, as amended; listed by the Arizona Game and Fish Department (AGFD); or are protected under the Arizona Native Plant Law administered by the Arizona Department of Agriculture (AZDA). Descriptions of special status species are listed below:

- Endangered species (federal) are those species in danger of extinction throughout all or a significant portion of their range.
- Threatened species (federal) are those species likely to become endangered in the foreseeable future.
- Proposed species (federal) are those species recommended for listing under Section 4 of the ESA.
- Candidate species (federal) are those species for which the USFWS has sufficient information on their biological status and threats to propose them as endangered or threatened under the ESA, but for which development of a proposed listing regulation is precluded by other higher priority listing activities. Candidate species are not protected under the ESA.
- USFWS Species of Concern is an informal term that refers to those species that the USFWS believes may be in need of concentrated conservation actions. Conservation actions, such as monitoring, vary depending on the health of the populations and degree and types of threats. USFWS Species of Concern receive no legal protection under the ESA and the use of the term does not necessarily mean that the species will eventually be proposed for listing as a threatened or endangered species.
- AGFD Species of Greatest Conservation Need (SGCN) are species determined to be vulnerable in at least one of the following eight criteria: extirpated from Arizona, federal or state status, declining status, disjunct status, demographic status, concentration status, fragmentation status, and distribution status.

- AZDA Highly Safeguarded or Salvage Restricted Native Plants are those plants which are protected under the Arizona Native Plant Law (NPL) and fall into these categories: Highly Safeguarded (no collection allowed); Salvage Restricted (collection allowed only with permit); Export Restricted (transport out of state prohibited); Salvage Assessed (permits required to remove live trees); and Harvest Restricted (permits required to remove plant by-products).

A review for potential occupancy by special status species was performed on the Project site. The list of species considered was derived from the U.S. Fish and Wildlife Service's (USFWS) Information for Planning and Conservation (IPaC) system and familiarity with other similar nearby projects. In addition, data was obtained from AGFD species occurrences in the area (AGFD 2015). This information provided a basis for species that might be present in the vicinity of the Project. **Table C-1** presents the special status species potentially occurring within the region, listed by common name, scientific name, and status.

An AGFD On-line Project Evaluation Program (PEP) search was completed for the Project on June 3, 2016 (AGFD 2016) (**Appendix C-1**). The information provided in the PEP is used to guide preliminary decisions and assessments of proposed land development, management, and conservation projects, while incorporating fish and wildlife resource needs or features.

In addition to the AGFD PEP search, AGFD was consulted as part of the Special Use Permit (SUP) process for the White Wing Solar Facility. A copy of the response letter received from AGFD is included at the end of **Appendix C-1**.

Prior to conducting fieldwork, aspects such as ecology and habitat requirements of each special status species were reviewed. Habitat conditions and wildlife observations on and around the Project Site were noted. Information including habitat requirements, known occurrences, and habitat types was used to evaluate the potential for occurrence of each species and to analyze the potential effects of the Project.

CURRENT CONDITIONS

Field reconnaissance surveys were conducted in September, 2015, by a qualified field biologist to identify any special status species on or near the Project Site. Habitats were evaluated and characterized within the Project vicinity during this field reconnaissance. The Gen-tie Project area is immediately adjacent to the existing Agua Caliente Solar Project. The two project end-points are located on currently disturbed lands. The proposed Gen-tie ROW is located on federal lands managed by the BLM. These desert lands are adjacent to the existing solar site and are planned for future solar development by the BLM as part of the Agua Caliente Solar Energy Zone (SEZ).

The Gen-tie ROW contains vegetation typical for the Sonoran Desert, with mesquite-tamarisk and creosote bush the dominant species (**Appendix C-2 – Representative Photographs**). The majority of plant species observed are native, but several non-native species are common.

Vegetation / wildlife habitat on the Project Site is made up of six covertypes as indicated below:

Covertype	Percentage
Mesquite – Tamarisk	7.2
Mesquite Woodland	31.3
Atriplex Scrub	6.8
Xero-Riparian	7.9
Creosotebush – White Bursage	24.4
Disturbed	22.4

These covertypes are described in more detail in **Exhibit D**.

POTENTIAL EFFECTS

While the species and habitats described in **Table C-1** have the potential to occur within the Project area, there would be minimal potential impacts to these species by Project construction and operations as described below.

Special Status Plants

Table C-2 contains plant species listed as Salvage Restricted in accordance with Arizona’s Native Plant Law (Arizona Department of Agriculture 2014). A total of 12 species protected under Arizona Native Plant Law as “Salvage Restricted” were analyzed for potential occurrence (Arizona Revised Statutes, Chapter 7). **Table C-2** describes the habitat requirements for those species as well as the potential for their occurrence in or around the Project area. For 6 of the 12 species analyzed, either no suitable habitat was found in or immediately adjacent to the Project area, or the Project area is located below the species’ known elevation range. While suitable habitat is at least present for the remainder of the species, Applicant will not be required to salvage any of the listed species.

Special Status Wildlife

Sprague’s Pipit

Sprague’s Pipit (*Anthus spragueii*) is a candidate for federal listing under the Endangered Species Act, but is not currently listed. This migratory species breeds in the northern great plains and winters from south-central Arizona across the southern plains, to the coastal plain of the Gulf Coast states. This species is strongly associated with grasslands (both native and non-native) during all portions of its life cycle. Vegetation structure, particularly the height of

herbaceous cover, appears to be the most important factor in selecting habitat, rather than floristic composition. This species does not use croplands or small strips of grassland habitat along the edges of croplands. Encroachment of shrubby vegetation also precludes the use of otherwise suitable areas by this species (USFWS 2010a).

There are no suitable habitats for this species in or immediately adjacent to the Project area. The solar site itself is comprised almost entirely of croplands and associated disturbed areas that are not considered suitable for this species. The native habitats associated with the Gentle routes are largely desert shrub or woodlands habitats, which do not represent suitable habitat for the Sprague's Pipit. There is no to very low potential for the Sprague's Pipit to occur on site.

Ridgeway's Rail (formerly Yuma Clapper Rail)

The Ridgeway's Rail (*Rallus longirostris yumanensis*) breeds in fresh- and brackish-water marshes along the Colorado River from Needles, California, to the Colorado River delta and near the Salton Sea (USFWS 2010b). It typically occupies emergent marsh vegetation, such as mature stands of bulrushes and cattails (Nadeau et al. 2011). Tamarisk is also used after breeding and during the winter at some sites. Nests are built between March and late July in clumps of living emergent vegetation over shallow water (USFWS 2010b). Habitat suitability has been strongly associated with moderate or high vegetation density. Some amount of non-inundated ground is required for nesting since chicks can easily drown in moderate or deep water (Anderson and Omhart 1985, Conway et al. 1993).

The irrigation collection basin was the only area inundated or saturated by water. Only negligible emergent vegetation was present as a thin strip along the shore of the basin. This basin does not represent potentially suitable habitat for the Ridgeway's Rail. Furthermore, there are no other areas of potentially suitable habitat in or around the Project area. As such, there is no to very low potential for the Ridgeway's Rail to occur on the Project Site.

Yellow-billed Cuckoo

The federally threatened Yellow-billed Cuckoo (*Coccyzus americanus*) is a riparian obligate. This species is limited to riparian areas, typically cottonwoods (*Populus* sp.) or willows (*Salix* sp.) along streams and rivers. The Yellow-billed Cuckoo occasionally uses very large mesquite bosques (Hughes 2015).

There is no potentially suitable riparian habitat in or around the Project area. The Mesquite Woodland associated with the Gentle route represents marginally suitable habitat for this species, but the size of the mesquite stand as well as the distance to more typically suitable habitat, makes the occurrence of this species within the Project area extremely unlikely.

Sonoran Pronghorn

The Sonoran Pronghorn (*Antilocapra americana sonoriensis*) is a federally endangered subspecies of the pronghorn antelope that inhabits a variety of Sonoran Desert habitats. This species relies on detecting and fleeing from predators. As such, this species prefers flat to gently rolling terrain with open sight-lines. Creosotebush habitats, in particular, are frequented by the species, though habitats with greater shade availability are necessary during the summer. The species is nomadic and require large expanses of contiguous habitat to survive. No wild Sonoran Pronghorns have been observed north of Interstate 8 since 1990 (USFWS 2014). There is a “non-essential, experimental” population associated with the Kofa National Wildlife Refuge, northwest of the proposed Project (USFWS 2014).

The native habitats associated with the Project represent potentially suitable habitat for this species. However, the proximity of these habitats to active solar energy and agricultural operations make consistent or regular occupancy of these areas by the species very unlikely. Instead, Sonoran antelope would be expected to preferentially use the large amounts of native habitat located on all sides of the Project area that are less impacted by ongoing human activities.

Migratory Birds

Several species of migratory birds have a high potential to use the Project area. Avian use of the Project area could include wintering, foraging, transit, and/or nesting. Migratory birds and their nests are federally protected under the migratory bird treaty act. The areas within the active agricultural fields themselves do not represent suitable nesting habitat due to the regular disturbance associated with active farming. The irrigation infrastructure and areas around the edges of the fields, as well as the native habitats associated with the Gen-tie route, do offer potentially suitable nesting substrate for several species.

Burrowing Owl

The Burrowing Owl is primarily restricted to the western United States and Mexico. Habitat for the Burrowing Owl includes dry, open, short-grass areas often associated with burrowing mammals (Haug et al. 1993). Agricultural areas may benefit the species and appear to represent preferred habitat in some areas (DeSante et al. 2004). Burrowing Owls are opportunistic feeders, consuming a diet that includes arthropods (typically insects), small mammals, small birds, and occasionally amphibians and reptiles (Haug et al. 1993). Urbanization has greatly reduced the amount of suitable habitat for this species. Other contributions to the decline of this species include the poisoning of squirrels and prairie dogs, and collisions with automobiles.

The open native desert habitats along the Gen-tie route (especially creosotebush – white bursage) as well as the active and fallow agricultural habitats within the Solar Site all represent suitable habitat for this species. Several suitable Burrowing Owl burrows were observed during

the field surveys as were multiple individual Burrowing Owls. Our observations indicate approximately five active "burrow complexes" with up to 11 individuals occupying the site at the time of the survey.

TABLE C-1 - SPECIAL STATUS SPECIES WITH THE POTENTIAL TO OCCUR WITHIN 3 MILES OF THE PROJECT

Species		Protection Status ¹		Potential to Occur in Project Study Area (Justification) ³
Common name	Scientific name	ESA ²	Arizona SGCN ²	
Mammals				
Harris' Antelope Squirrel	<i>Ammospermophilus harrisi</i>	--	1B	No (Habitat)
Sonoran Pronghorn	<i>Antilocapra americana sonoriensis</i>	E	1A	No (Habitat - none observed north of I-8 since 1990)
American Beaver	<i>Castor Canadensis</i>	--	1B	No (Habitat)
Pale Townsend's Big-eared Bat	<i>Corynorhinus townsendii pallescens</i>	SC	1B	No (Elevation)
Spotted Bat	<i>Euderma maculatum</i>	SC	1B	Yes (Foraging Only)
Greater Western Bonneted Bat	<i>Eumops perotis californicus</i>	SC	1B	No (Habitat)
Western Yellow Bat	<i>Lasiurus xanthinus</i>	--	1B	No (Habitat)
California Leaf-nosed Bat	<i>Macrotus californicus</i>	SC	1B	Yes (Foraging Only)
Cave Myotis	<i>Myotis velifer</i>	SC	1B	Yes (Foraging Only)
Yuma Myotis	<i>Myotis yumanensis</i>	SC	1B	Yes (Foraging Only)
Pocketed Free-tailed Bat	<i>Myotis californicus</i>	--	1B	Yes (Foraging Only)
Desert Bighorn Sheep	<i>Ovis Canadensis nelson</i>	--	1B	No (Habitat)
Arizona Pocket Mouse	<i>Perognathus amplius</i>	--	1B	No (Elevation)
Little Pocket Mouse	<i>Perognathus longimembris</i>	--	1B	Yes (None Observed)
Brazilian Free-tailed Bat	<i>Tadarida brasiliensis</i>	--	1B	Yes (Foraging Only)
Harquahala Southern Pocket Gopher	<i>Thomomys bottae subsimilis</i>	SC	1B	Yes (None Observed)
Kit Fox	<i>Vulpes macrotis</i>	--	1B	Yes (None Observed)
Birds				
Wood Duck	<i>Aix sponsa</i>	--	1B	No (Habitat)
Sprague's Pipit	<i>Anthus spagueii</i>	C	1A	No (Habitat)
Golden Eagle	<i>Aquila chrysaetos</i>	--	1B	Yes (Foraging Only)
Western Burrowing Owl	<i>Athene cunicularia hypugaea</i>	SC	1B	Yes (None Observed)
American Bittern	<i>Botaurus lentiginosus</i>	--	1B	No (Habitat)
Ferruginous Hawk	<i>Buteo regalis</i>	SC	1B	Yes (Foraging Only)
Mountain Plover	<i>Charadrius montanus</i>	SC	1B	Yes (Winter Only)

TABLE C-1 - SPECIAL STATUS SPECIES WITH THE POTENTIAL TO OCCUR WITHIN 3 MILES OF THE PROJECT

Species		Protection Status ¹		Potential to Occur in Project Study Area (Justification) ³
Common name	Scientific name	ESA ²	Arizona SGCN ²	
Yellow-billed Cuckoo	<i>Coccyzus americanus occidentalis</i>	T	1A	No (Habitat)
Gilded Flicker	<i>Colaptes chrysoides</i>	--	1B	Yes (None Observed)
Gila Woodpecker	<i>Melanerpes uropygialis</i>	--	1B	Yes (None Observed)
Lincoln's Sparrow	<i>Melospiza lincolni</i>	--	1B	Yes (None Observed)
Abert's Towhee	<i>Melospiza aberti</i>	--	1B	Yes (Observed)
Bald Eagle	<i>Haliaeetus leucocephalus</i>	SC	1A	No (Habitat)
Savannah Sparrow	<i>Passerculus sandwichensis</i>	--	1B	Yes (Observed)
Le Conte's Thrasher	<i>Toxostoma lecontei</i>	--	1B	Yes (None Observed)
Pacific Wren	<i>Tragodytes pacificus</i>	--	1B	No (Habitat)
Arizona Bell's Vireo	<i>Vireo bellii arizonae</i>	--	1B	No (Habitat)
Amphibians				
Sonoran Desert Toad	<i>Inhailius alvarius</i>	--	1B	Yes (None Observed)
Lowland Leopard Frog	<i>Lithobates yavapaiensis</i>	SC	1A	No (Habitat)
Reptiles				
Sonoran Desert Tortoise	<i>Gopherus agassizii (Sonoran population)</i>	C	1A	No (Habitat)
Banded Gila Monster	<i>Heloderma suspectum cinctum</i>	--	1A	Yes (None Observed)

¹ E=Endangered, T=Threatened, C=Candidate, EP, NE=Experimental Population, Non-Essential, SC=Species of Concern, DM= Delisted taxon, recovered, and being monitored for the first five years, SGCN=Species of Greatest Conservation Need - 1A species scored 1 for Vulnerability in at least one of the 8 categories and matches at least one of the following:

Federally listed as endangered or threatened under the ESA, Candidate under the ESA, covered by a Conservation Agreement ("CA") with assurances, recently moved from ESA and requires post-delisting monitoring, closed season species (no take permitted) as identified by AGF Commission Orders 40, 41, 42, 43. 1B species scored 1 for Vulnerability in at least one of the 8 categories, but match none of the above criteria.

² AGFD 2016

³ Elevation means the species does not have the potential to occur because the Project Site is not within its elevation requirements. Habitat means the Project Site is within the species elevation requirements but there is no suitable or potential habitat for the species. References are provided in the References Section. Other Sources: Corman et al. 2005, eflora 2013

TABLE C-2 - -SALVAGE RESTRICTED PLANTS POTENTIALLY OCCURRING IN OR AROUND THE PROJECT AREA

Scientific Name	Common Name	Habitat Preferences/ Requirements	Flowering Period	Potential to Occur
<i>Allium parishii</i>	Parish Onion	Open rock and sandy slopes associated with desert mountain ranges. Primarily a Mojave desert species.	April-May	Suitable habitat occurs in the Palomas Mountains immediately northwest of the Project area. Project area is below species' known elevation range.
<i>Carnegiea gigantea</i>	Saguaro	Rocky or gravelly soils associated with slopes, canyons and washes.	May-June	Suitable habitat is present in the Project area associated with the Gentle route. Species was well represented within and around the Project area.
<i>Cylindropuntia echinocarpa</i>	Silver Cholla	Inhabits a variety of habitats including canyons, Mojavean and Sonoran desert shrublands on soils ranging from sandy to gravelly.	March-June	Suitable habitat is present in the Project area associated with native habitats.
<i>Cylindropuntia ramosissima</i>	Pencil Cholla	Typically found in washes and bajadas with soils ranging from sandy-loam to desert pavement and volcanic substrates.	April-August	Suitable habitat is present in the Project area associated with native habitats.
<i>Echinocactus polycephalus</i> var. <i>polycephalus</i>	Clustered Barrel Cactus	Rocky to gravelly slopes including rocky flats, bajadas and rock ledges.	July-August	Suitable habitat is present in the Project area associated with native habitats.
<i>Ferocactus cylindraceus</i> var. <i>cylindraceus</i>	California Barrel Cactus	Rocky or gravelly soils including slopes, canyons, alluvial fans, and wash margins. Usually on igneous or limestone substrates (AZGFD 2005d).	April-June (occasionally later in response to rain)	Suitable habitat is present in the Project area associated with native habitats.

TABLE C-2 - -SALVAGE RESTRICTED PLANTS POTENTIALLY OCCURRING IN OR AROUND THE PROJECT AREA

Scientific Name	Common Name	Habitat Preferences/ Requirements	Flowering Period	Potential to Occur
<i>Fouquieria splendens</i>	Ocotillo	Shallow, rocky soils, often on south facing slopes.	March-June (occasionally later in response to rain)	Suitable habitat is present in the Project area associated with native habitats.
<i>Lophocereus schottii</i>	Senita	Fine sandy soils of desert valleys and plains. In the U.S., only known from a few small populations in the extreme southern portion of Arizona, especially Organ Pipe National Monument.	April-August	No suitable habitat is present within the Project area. Project area is well north of the nearest known occurrences of the species.
<i>Rhus kearneyi</i>	Kearney Sumac	Found on slopes arid in canyons and drainages.	January-March	No suitable habitat in or immediately adjacent to the Project area.
<i>Stephanomeria schottii</i>	Schott Wire-Lettuce	Restricted to semi-stabilized sand dunes of the Gran Desierto region.	March-May	No suitable habitat in or immediately adjacent to the Project area.
<i>Triteleopsis palmeri</i>	Blue Sand Lilly	Sandy areas, including dunes in low deserts.	February-May	No suitable habitat in or immediately adjacent to the Project area.
<i>Washingtonia filifera</i>	California Fan Palm	Found in desert oases, this species requires constant water. Only known from a few locations in Arizona.	Late Spring-Early Summer	No suitable habitat in or immediately adjacent to the Project area.

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USFWS. 2010b. Endangered and Threatened Wildlife and Plants; Draft Yuma Clapper Rail (*Rallus longirostris yumanensis*) Recovery Plan, First Revision. February, 2010.

USFWS. 2014. Draft Recovery Plan for the Sonoran Pronghorn (*Antilocarpa Americana sonoriensis*), Second Revision. 320 pp.

Appendix C-1
AGFD On-line Project Evaluation Program Search Results

Arizona Environmental Online Review Tool Report



Arizona Game and Fish Department Mission

To conserve Arizona's diverse wildlife resources and manage for safe, compatible outdoor recreation opportunities for current and future generations.

Project Name:

White Wing Ranch Gen-tie Project

Project Description:

The approximately 3.5-mile gen-tie line would connect the White Wing North Solar Project to an existing substation.

Project Type:

Energy Storage/Production/Transfer, Energy Transfer, Power line/electric line (new)

Contact Person:

Patrick Golden

Organization:

Heritage Environmental Consultants

On Behalf Of:

CONSULTING

Project ID:

HGIS-03677

Please review the entire report for project type and/or species recommendations for the location information entered. Please retain a copy for future reference.

Disclaimer:

1. This Environmental Review is based on the project study area that was entered. The report must be updated if the project study area, location, or the type of project changes.
2. This is a preliminary environmental screening tool. It is not a substitute for the potential knowledge gained by having a biologist conduct a field survey of the project area. This review is also not intended to replace environmental consultation (including federal consultation under the Endangered Species Act), land use permitting, or the Departments review of site-specific projects.
3. The Departments Heritage Data Management System (HDMS) data is not intended to include potential distribution of special status species. Arizona is large and diverse with plants, animals, and environmental conditions that are ever changing. Consequently, many areas may contain species that biologists do not know about or species previously noted in a particular area may no longer occur there. HDMS data contains information about species occurrences that have actually been reported to the Department. Not all of Arizona has been surveyed for special status species, and surveys that have been conducted have varied greatly in scope and intensity. Such surveys may reveal previously undocumented population of species of special concern.
4. HabiMap Arizona data, specifically Species of Greatest Conservation Need (SGCN) under our State Wildlife Action Plan (SWAP) and Species of Economic and Recreational Importance (SERI), represent potential species distribution models for the State of Arizona which are subject to ongoing change, modification and refinement. The status of a wildlife resource can change quickly, and the availability of new data will necessitate a refined assessment.

Locations Accuracy Disclaimer:

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Report is solely responsible for the project location and thus the correctness of the Project Review Report content.

Recommendations Disclaimer:

1. The Department is interested in the conservation of all fish and wildlife resources, including those species listed in this report and those that may have not been documented within the project vicinity as well as other game and nongame wildlife.
2. Recommendations have been made by the Department, under authority of Arizona Revised Statutes Title 5 (Amusements and Sports), 17 (Game and Fish), and 28 (Transportation).
3. Potential impacts to fish and wildlife resources may be minimized or avoided by the recommendations generated from information submitted for your proposed project. These recommendations are preliminary in scope, designed to provide early considerations on all species of wildlife.
4. Making this information directly available does not substitute for the Department's review of project proposals, and should not decrease our opportunity to review and evaluate additional project information and/or new project proposals.
5. Further coordination with the Department requires the submittal of this Environmental Review Report with a cover letter and project plans or documentation that includes project narrative, acreage to be impacted, how construction or project activity(s) are to be accomplished, and project locality information (including site map). Once AGFD had received the information, please allow 30 days for completion of project reviews. Send requests to:

Project Evaluation Program, Habitat Branch
Arizona Game and Fish Department
5000 West Carefree Highway
Phoenix, Arizona 85086-5000
Phone Number: (623) 236-7600
Fax Number: (623) 236-7366

Or

PEP@azgfd.gov

6. Coordination may also be necessary under the National Environmental Policy Act (NEPA) and/or Endangered Species Act (ESA). Site specific recommendations may be proposed during further NEPA/ESA analysis or through coordination with affected agencies

White Wing Ranch Gen-tie Project Aerial Image Basemap With Locator Map



- Project Boundary
- Buffered Project Boundary

Project Size (acres): 24.19

Lat/Long (DD): 32.9713 / -113.5059

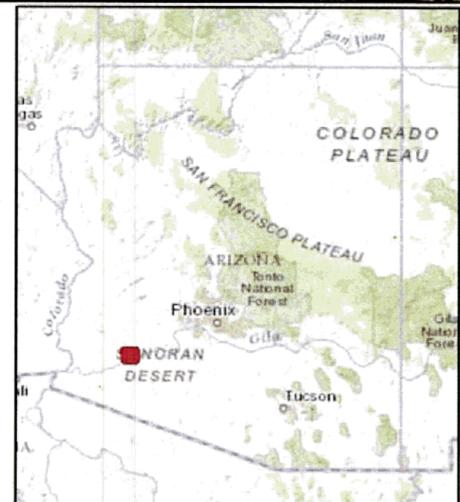
County(s): Yuma

AGFD Region(s): Yuma

Township/Range(s): T5S, R12W

USGS Quad(s): HORN; AZTEC NW

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong),



White Wing Ranch Gen-tie Project

Web Map As Submitted By User



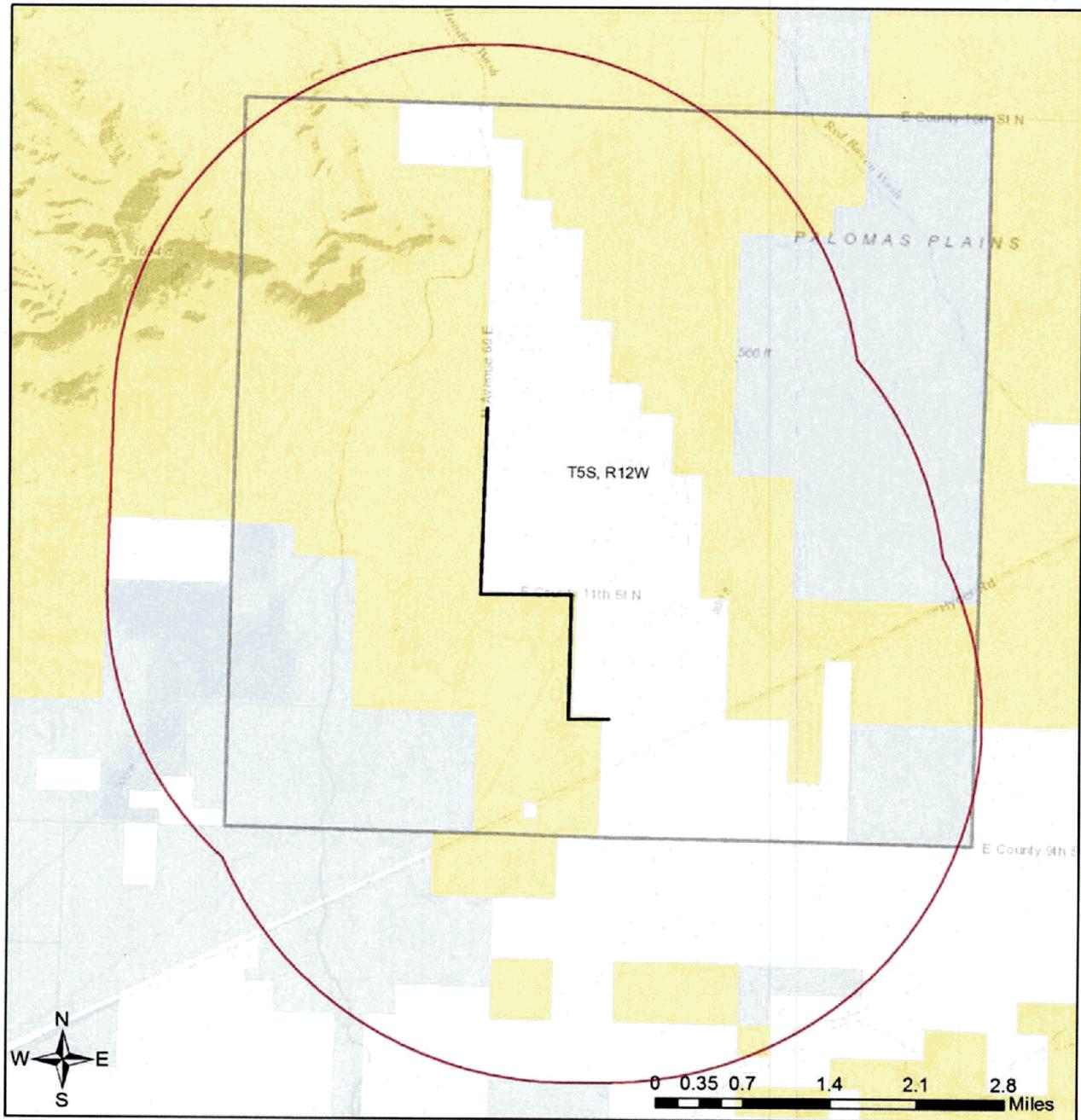
- Project Boundary
- Buffered Project Boundary

Project Size (acres): 24.19
Lat/Long (DD): 32.9713 / -113.5059
County(s): Yuma
AGFD Region(s): Yuma
Township/Range(s): T5S, R12W
USGS Quad(s): HORN; AZTEC NW

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

White Wing Ranch Gen-tie Project

Topo Basemap With Township/Ranges and Land Ownership



- | | |
|---------------------------|--------------------------|
| Project Boundary | Mixed/Other |
| Buffered Project Boundary | National Park/Mon. |
| Township/Ranges | Private |
| AZ Game and Fish Dept. | State and Regional Parks |
| BLM | State Trust |
| BOR | US Forest Service |
| Indian Res. | Wildlife Area/Refuge |
| Military | |

Project Size (acres): 24.19
 Lat/Long (DD): 32.9713 / -113.5059
 County(s): Yuma
 AGFD Region(s): Yuma
 Township/Range(s): T5S, R12W
 USGS Quad(s): HORN; AZTEC NW

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Special Status Species and Special Areas Documented within 3 Miles of Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Antilocapra americana sonoriensis</i>	Sonoran Pronghorn	LE, XN				1A

Note: Status code definitions can be found at http://www.azgfd.gov/w_c/edits/hdms_status_definitions.shtml.

**Species of Greatest Conservation Need
 Predicted within Project Vicinity based on Predicted Range Models**

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Aix sponsa</i>	Wood Duck					1B
<i>Ammospermophilus harrisi</i>	Harris' Antelope Squirrel					1B
<i>Anthus spragueii</i>	Sprague's Pipit	C*				1A
<i>Aquila chrysaetos</i>	Golden Eagle	BGA		S		1B
<i>Botaurus lentiginosus</i>	American Bittern					1B
<i>Buteo regalis</i>	Ferruginous Hawk	SC		S		1B
<i>Castor canadensis</i>	American Beaver					1B
<i>Charadrius montanus</i>	Mountain Plover	SC				1B
<i>Colaptes chrysoides</i>	Gilded Flicker			S		1B
<i>Corynorhinus townsendii pallescens</i>	Pale Townsend's Big-eared Bat	SC	S	S		1B
<i>Euderma maculatum</i>	Spotted Bat	SC	S	S		1B
<i>Eumops perotis californicus</i>	Greater Western Bonneted Bat	SC		S		1B
<i>Gopherus morafkai</i>	Sonoran Desert Tortoise	C*	S			1A
<i>Haliaeetus leucocephalus</i>	Bald Eagle	SC, BGA	S	S		1A
<i>Heloderma suspectum</i>	Gila Monster					1A
<i>Incilius alvarius</i>	Sonoran Desert Toad					1B
<i>Lasiurus xanthinus</i>	Western Yellow Bat		S			1B
<i>Lithobates yavapaiensis</i>	Lowland Leopard Frog	SC	S	S		1A
<i>Macrotus californicus</i>	California Leaf-nosed Bat	SC		S		1B
<i>Melanerpes uropygialis</i>	Gila Woodpecker					1B
<i>Melospiza lincolni</i>	Lincoln's Sparrow					1B
<i>Melospiza aberti</i>	Abert's Towhee		S			1B
<i>Myotis velifer</i>	Cave Myotis	SC		S		1B
<i>Myotis yumanensis</i>	Yuma Myotis	SC				1B
<i>Nyctinomops femorosaccus</i>	Pocketed Free-tailed Bat					1B
<i>Ovis canadensis nelsoni</i>	Desert Bighorn Sheep					1B
<i>Passerculus sandwichensis</i>	Savannah Sparrow					1B
<i>Perognathus amplus</i>	Arizona Pocket Mouse					1B
<i>Perognathus longimembris</i>	Little Pocket Mouse					1B
<i>Tadarida brasiliensis</i>	Brazilian Free-tailed Bat					1B
<i>Thomomys bottae subsimilis</i>	Harquahala Southern Pocket Gopher	SC				1B
<i>Toxostoma lecontei</i>	Le Conte's Thrasher					1B

**Species of Greatest Conservation Need
 Predicted within Project Vicinity based on Predicted Range Models**

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Troglodytes pacificus	Pacific Wren					1B
Vireo bellii arizonae	Arizona Bell's Vireo					1B
Vulpes macrotis	Kit Fox					1B

Species of Economic and Recreation Importance Predicted within Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Callipepla gambelii	Gambel's Quail					
Odocoileus hemionus	Mule Deer					
Ovis canadensis mexicana	Mexicana Desert Bighorn Sheep					1B
Pecari tajacu	Javelina					
Puma concolor	Mountain Lion					
Zenaida asiatica	White-winged Dove					
Zenaida macroura	Mourning Dove					

Project Type: Energy Storage/Production/Transfer, Energy Transfer, Power line/electric line (new)

Project Type Recommendations:

Minimize potential introduction or spread of exotic invasive species. Invasive species can be plants, animals (exotic snails), and other organisms (e.g., microbes), which may cause alteration to ecological functions or compete with or prey upon native species and can cause social impacts (e.g., livestock forage reduction, increase wildfire risk). The terms noxious weed or invasive plants are often used interchangeably. Precautions should be taken to wash all equipment utilized in the project activities before leaving the site. Arizona has noxious weed regulations (Arizona Revised Statutes, Rules R3-4-244 and R3-4-245). See Arizona Department of Agriculture website for restricted plants, <https://agriculture.az.gov/>. Additionally, the U.S. Department of Agriculture has information regarding pest and invasive plant control methods including: pesticide, herbicide, biological control agents, and mechanical control, <http://www.usda.gov/wps/portal/usdahome>. The Department regulates the importation, purchasing, and transportation of wildlife and fish (Restricted Live Wildlife), please refer to the hunting regulations for further information http://www.azgfd.gov/h_f/hunting_rules.shtml

The Department recommends that wildlife surveys are conducted to determine if noise-sensitive species occur within the project area. Avoidance or minimization measures could include conducting project activities outside of breeding seasons.

For any powerlines built, proper design and construction of the transmission line is necessary to prevent or minimize risk of electrocution of raptors, owls, vultures, and golden or bald eagles, which are protected under state and federal laws. Limit project activities during the breeding season for birds, generally May through late August, depending on species in the local area (raptors breed in early February through May). Conduct avian surveys to determine bird species that may be utilizing the area and develop a plan to avoid disturbance during the nesting season. For underground powerlines, trenches should be covered or back-filled as soon as possible. Incorporate escape ramps in ditches or fencing along the perimeter to deter small mammals and herptefauna (snakes, lizards, tortoise) from entering ditches. In addition, indirect affects to wildlife due to construction (timing of activity, clearing of rights-of-way, associated bridges and culverts, affects to wetlands, fences) should also be considered and mitigated.

Based on the project type entered, coordination with State Historic Preservation Office may be required (<http://azstateparks.com/SHPO/index.html>).

Based on the project type entered, coordination with U.S. Fish and Wildlife Service (Migratory Bird Treaty Act) may be required (<http://www.fws.gov/southwest/es/arizona/>).

Vegetation restoration projects (including treatments of invasive or exotic species) should have a completed site-evaluation plan (identifying environmental conditions necessary to re-establish native vegetation), a revegetation plan (species, density, method of establishment), a short and long-term monitoring plan, including adaptive management guidelines to address needs for replacement vegetation.



THE STATE OF ARIZONA
GAME AND FISH DEPARTMENT

5000 W. CAREFREE HIGHWAY
PHOENIX, AZ 85086-5000
(602) 942-3000 • WWW.AZGFD.GOV

REGION IV, 9140 E. 28TH ST., YUMA, AZ 85365

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DIRECTOR
LARRY D. VOYLES

DEPUTY DIRECTOR
TY E. GRAY



December 16, 2015

Juan Leal Rubio
Senior Planner
Yuma County
Planning and Zoning Division
2351 West 26th Street
Yuma, Arizona 85364

RE: Special Use Permit No. 15-07 White Wing Solar Photovoltaic Facility

Dear Mr. Rubio:

The Arizona Game and Fish Department (Department) has reviewed the above-referenced Special Use Permit for the White Wing Solar Photovoltaic facility. The following comments are provided for your consideration.

Under Title 17 of the Arizona Revised Statutes, the Arizona Game and Fish Department (Department), by and through the Arizona Game and Fish Commission (Commission), has jurisdictional authority and public trust responsibilities for management of the state's fish and wildlife resources. It is the mission of the Department to conserve Arizona's diverse fish and wildlife resources and manage for safe, compatible outdoor recreation opportunities for current and future generations.

The Department understands that this Special Use Permit is for a 1,450 acre solar photovoltaic facility that will generate 210 MW of electricity. The land is currently zoned RA 40 and is located north of the Palomas Road.

The Department notes that the proposed facility is on active agricultural lands and is immediately north of an existing photovoltaic facility. The Heritage Database Management System was accessed and there are no observational records of special status species within 5 miles of the facility. For these reasons we do not anticipate significant impacts to wildlife will result from this project.

Thank you for the opportunity to review and comment on this project. If you have any questions you may contact me at 928-341-4047 or bknowles@azgfd.gov.

Juan Leal Rubio
December 16, 2015
Page 2

Sincerely



William Knowles
Region IV Habitat Program Manager

cc: Pat Barber, Regional Supervisor Region IV
Joyce Francis, Habitat Branch Chief
Laura Canaca Project Evaluation Program Supervisor

AGFD # M15-12182728

Appendix C-2
Representative Photographs









EXHIBIT D

BIOLOGICAL RESOURCES

As stated in the Arizona Administrative Code, Title 14, Chapter 3, Article 2:

“List the fish, wildlife, plant life and associated forms of life associated in the vicinity of the proposed sites or route and describe the effects, if any, other proposed facilities will have thereon.”

CURRENT CONDITIONS

Field reconnaissance surveys were conducted in September 2015 by a qualified field biologist to identify habitats and species on or near the Project Site. Habitats were evaluated and characterized within the Project vicinity during this field reconnaissance. The area is located on BLM-administered lands immediately adjacent to the existing Agua Caliente Solar Project. The endpoints of the Gen-tie route are previously disturbed.

Prior to conducting fieldwork, aspects such as ecology and habitat requirements of various species were reviewed. Habitat conditions and wildlife observations on and around the Project Site were recorded. Information including habitat requirements, known occurrences, and habitat types, was used to evaluate the potential for occurrence of species and the potential effects of Project implementation on biological resources within the vicinity of the proposed Gen-tie Line and Project Substations.

Tables D-1, D-2, D-3, and D-4 contain lists of common plant life, mammals, birds, reptiles and amphibians potentially present in Yuma County and within the vicinity of the Project Site. **Table D-3** specifically lists the species noted during a breeding bird survey conducted by Arizona Game & Fish Department (AGFD) near the Project Site (Corman 2008).

Vegetation

Table D-1 presents a list of common plant species that potentially could occur or have been recorded in the vicinity of the Project Site. Native Sonoran Desert vegetation communities in this part of the Sonoran Desert are dominated by what is characterized as the Sonoran Desertscrub Ecosystem (Brown 1994). The Lower Colorado River Valley Subdivision – Creosotebush-White Bursage Series is the dominant native feature on native lands in the surrounding area. Ephemeral drainages (xeroriparian areas) also occur in two significant washes: Hoodoo Wash is located about one mile west of the Project Site, and Baragan Wash is located about 2.5 miles east of the Project Site

The Lower Colorado River Valley Subdivision is the driest of the Sonoran Desert subdivisions. Plant growth is typically both open and simple. The most common plant association in this

subdivision is the Creosote Bush-White Bursage Series. Species commonly found along drainages and on flats include creosote bush (*Larrea tridentata*), white bursage (*Ambrosia dumosa*), honey mesquite (*Prosopis glandulosa*), ironwood (*Olneya tesota*), blue palo verde (*Cercidium floridum*), foothills paloverde (*Cercidium microphyllum*), smoketree (*Psoralea argemone*), ocotillo (*Fouquieria splendens*), brittlebush (*Encelia farinosa*), and saguaro (*Carnegiea gigantea*). Other shrub species in this series include four-wing saltbush (*Atriplex canescens*), brittlebush (*Encelia farinosa*), and burroweed (*Isocoma tenuifolia*). Cactus species including barrel cactus (*Ferrocactus wislizenii*) and jumping cholla (*Opuntia bigelovii*) can also be found in low densities.

A total of six covertypes were recorded during the field survey of the Project Site. Descriptions of the various covertypes can be found below and **Figure D-1** depicts their location and extent.

Mesquite – Tamarisk

This covertype within the Gen-tie corridor was comprised of very dense stands of honey mesquite (*Prosopis glandulosa*) and tamarisk (*Tamarix ramosissima*). The understory in this covertype is dominated by Sahara mustard (*Brassica tournefortii*), arrowweed (*Pluchea sericea*), and big galleta grass (*Hilaria rigida*). Soils were fine clays to silts and showed evidence of some pooling in low areas, but no evidence of sustained inundation or regular flow. Overall vegetative cover was 90-100%.

Mesquite Woodland

This covertype included areas of variable cover (30-75%) dominated primarily by honey mesquite. In addition to the mesquite, other trees were present in these areas including ironwood (*Olneya tesota*) and blue palo verde (*Cercidium floridum* var. *floridum*). Understory species included creosotebush (*Larrea tridentata*), white bursage (*Ambrosia dumosa*), Sahara mustard, atriplex (*Atriplex* sp.), and brittlebush (*Encelia farinosa*). These areas were largely flat and showed less evidence of pooling than Mesquite – Tamarisk.

Atriplex Scrub

This covertype is comprised of monotypic stands of atriplex with approximately 50% aerial cover. These areas occurred primarily between areas of Mesquite Woodland and disturbed areas, and may represent formerly disturbed sites. Soils were fine, compacted, and showed evidence of occasional pooling of water.

Xero-Riparian

Xero-riparian covertypes were exclusively associated with ephemeral drainage features. The overstory in these areas was dominated by honey mesquite, tamarisk, blue palo verde, and ironwood. Understory species included Sahara mustard, arrowweed, atriplex, big galleta grass, and brittlebush. Soils were variable and showed evidence of scour, sediment sorting and shelving as a result of ephemeral water flow.

Creosotebush – White Bursage

This coertype within the Gen-tie corridor was relatively low in overall plant diversity, being dominated almost exclusively by creosotebush and white bursage. Overall plant cover was between 5% and 25%. Soils in this coertype ranged from loose silty soils in low spots to compacted areas of gravel and cobbles similar to desert pavement.

Disturbed

Disturbed habitats are those where human activity or infrastructure dominates the landscape and little or no native vegetation is present. Within the Gen-tie corridor these areas included dirt roads, berms, retention basins, and other features. These areas do not represent suitable habitat for any native species except as animals may briefly transit through these areas.

Wildlife

Wildlife resources that have the potential to occur within the vicinity of the Project Site are predominantly associated with Sonoran Desertscrub habitats and agricultural lands. Species occurrence, abundance, and distribution are strongly influenced by the presence of surface water, topography, and habitat types within and surrounding the Project Site which contains lands that are dominated by creosote bush uplands with palo verde and ironwood dominating washes, with a low density of saguaro and adjacent lands that include disturbed lands and irrigated agricultural land. **Tables D-2, D-3, and D-4** present common mammals, birds, reptiles and amphibians that have potential to occur or have been recorded in the vicinity of the Project Site.

The sensitive and special-status species that could occur within the Project Site are discussed in **Exhibit C**.

POTENTIAL EFFECTS

The Project route would be located on desert habitats on BLM-managed land adjacent to the existing Agua Caliente Solar Project site. Ground disturbance and modifications to these habitats from development of the proposed Gen-tie would occur at structure locations, the roads used to access them, and at stringing /pull sites. The Project endpoints / substations would be built on previously disturbed land. Construction and operation of the Project would result in negligible impacts to habitats and wildlife.

TABLE D-1 - COMMON PLANT SPECIES		
Potential Occurrence in Native Habitats in the Vicinity of the Project Site¹		
Common Name	Scientific Name	Ecosystem
Triangleleaf bursage	<i>Ambrosia deltoidea</i>	Sonoran Desertscrub, Sonoran Riparian
White bursage	<i>Ambrosia dumosa</i>	Sonoran Desertscrub
Fiddlehead	<i>Amsinckia intermedia</i>	Sonoran Riparian
Purple three-awn	<i>Aristida purpurea</i>	Sonoran Desertscrub
Four-wing saltbush	<i>Atriplex canescens</i>	Sonoran Desertscrub
All scale	<i>Atriplex polycarpa</i>	Sonoran Desertscrub
Datura	<i>Datura stramonium</i>	Sonoran Riparian
Englemann's hedgehog cactus	<i>Echinocereus englemannii</i>	Sonoran Desertscrub
Brittlebush	<i>Encelia farinosa</i>	Sonoran Desertscrub, Sonoran Riparian
Skeletonweed	<i>Eriogonum deflexum</i>	Sonoran Desertscrub
Filaree	<i>Erodium cicutarium</i>	Sonoran Desertscrub
Barrel cactus	<i>Ferocactus wislizenii</i>	Sonoran Desertscrub
Ocotillo	<i>Fouquieria splendens</i>	Sonoran Desertscrub
Rhatany	<i>Krameria parviflora</i>	Sonoran Desertscrub, Sonoran Riparian
Creosote bush	<i>Larrea tridentata</i>	Sonoran Desertscrub, Sonoran Riparian
Wolfberry	<i>Lycium spp.</i>	Sonoran Desertscrub, Sonoran Riparian
Little fishhook cactus	<i>Mammillaria thornberi</i>	Sonoran Desertscrub
Teddybear cholla	<i>Opuntia bigelovii</i>	Sonoran Desertscrub
Prickly pear cactus	<i>Opuntia engelmannii</i>	Sonoran Desertscrub
Jumping cholla	<i>Opuntia fulgida</i>	Sonoran Desertscrub
Desert mistletoe	<i>Phoradendron californicum</i>	Sonoran Desertscrub
Galleta grass	<i>Pleuraphis jamesii</i>	Sonoran Desertscrub, Sonoran Riparian
Mesquite	<i>Prosopis spp.</i>	Sonoran Riparian
Bladdersage	<i>Salazaria mexicana</i>	Sonoran Desertscrub
Russian thistle	<i>Salsola iberica</i>	Sonoran Desertscrub, Sonoran Riparian
London rocket	<i>Sisymbrium irio</i>	Sonoran Desertscrub, Sonoran Riparian
Globe mallow	<i>Sphaeralcea spp.</i>	Sonoran Desertscrub, Sonoran Riparian

¹ Brown 1994

TABLE D-2 - MAMMAL SPECIES
Potential Occurrence in the Vicinity of the Project Site¹

Common Name	Scientific Name
Harris' antelope squirrel	<i>Ammospermophilus harrisi</i>
Pallid bat	<i>Antrozous pallidus</i>
Coyote	<i>Canis latrans</i>
Desert kangaroo rat	<i>Dipodomys deserti</i>
Merriam's kangaroo rat	<i>Dipodomys merriami</i>
Big brown bat	<i>Eptesicus fuscus</i>
Spotted bat	<i>Euderma maculatum</i>
Bobcat	<i>Felis rufus</i>
Southern yellow bat	<i>Lasiurus ega xanthinus</i>
Black-tailed jackrabbit	<i>Lepus californicus</i>
California myotis	<i>Myotis californicus</i>
Cave myotis	<i>Myotis velifer</i>
White-throated wood rat	<i>Neotoma albigula</i>
Desert wood rat	<i>Neotoma lepida</i>
Desert mule deer	<i>Odocoileus hemionus crooki</i>
Muskrat	<i>Ondatra zibethicus</i>
Southern grasshopper mouse	<i>Onychomys torridus</i>
Arizona pocket mouse	<i>Perognathus amplus</i>
Bailey's pocket mouse	<i>Perognathus baileyi</i>
Rock pocket mouse	<i>Perognathus intermedius</i>
Little pocket gopher	<i>Perognathus longimembris</i>
Desert pocket mouse	<i>Perognathus penicillatus</i>
Canyon mouse	<i>Peromyscus crinitus</i>
Cactus mouse	<i>Peromyscus eremicus</i>
Deer mouse	<i>Peromyscus maniculatus</i>
Western pipistrelle	<i>Pipistrellus Hesperus</i>
Raccoon	<i>Procyon lotor</i>
Western harvest mouse	<i>Reithrodontomys megalotis</i>
Round-tailed ground squirrel	<i>Spermophilus tereticaudus</i>
Western spotted skunk	<i>Spilogale gracilis</i>
Desert cottontail	<i>Sylvilagus audubonii</i>
American free-tailed bat	<i>Tadarida brasiliensis</i>
Pocketed free-tailed bat	<i>Tadarida femorosacca</i>
Big free-tailed bat	<i>Tadarida macrotis</i>
Badger	<i>Taxidae taxus</i>
Botta's pocket gopher	<i>Thomomys bottae</i>
Kit fox	<i>Vulpes macrotis</i>

¹ Hoffmeister 1986.

TABLE D-3 - BIRD SPECIES
Potential Occurrence in the Vicinity of the Project Site¹

Common Name	Scientific Name
Cooper's Hawk	<i>Accipiter cooperii</i>
White-throated Swift	<i>Aeronautes saxatalis</i>
Red-winged Blackbird	<i>Agelaius phoeniceus</i>
Black-throated Sparrow	<i>Amphispiza bilineata</i>
Cinnamon Teal	<i>Anas cyanoptera</i>
Black-chinned Hummingbird	<i>Archilochus alexandri</i>
Western Burrowing Owl	<i>Athene cunicularia hypugaea</i>
Verdin	<i>Auriparus flaviceps</i>
Great Horned Owl	<i>Bubo virginianus</i>
Red-tailed Hawk	<i>Buteo jamaicensis</i>
Lark Bunting	<i>Calamospiza melanocorys</i>
Gambel's Quail	<i>Callipepla gambelii</i>
Anna's Hummingbird	<i>Calypte anna</i>
Costa's Hummingbird	<i>Calypte costae</i>
Cactus Wren	<i>Campylorhynchus brunneicapillus</i>
Northern Cardinal	<i>Cardinalis cardinalis</i>
Pyrrhuloxia	<i>Cardinalis sinuatus</i>
Lesser Goldfinch	<i>Carduelis arvalis</i>
House Finch	<i>Carpodacus mexicanus</i>
Turkey Vulture	<i>Cathartes aura</i>
Hermit Thrush	<i>Catharus guttatus</i>
Canyon Wren	<i>Catherpes mexicanus</i>
Vaux's Swift	<i>Chaetura vauxi</i>
Killdeer	<i>Charadrius vociferus</i>
Lark Sparrow	<i>Chondestes grammacus</i>
Lesser Nighthawk	<i>Chordeiles acutipennis</i>
Northern Harrier	<i>Circus cyaneus</i>
Gilded Flicker	<i>Colaptes chrysoides</i>
Rock Dove	<i>Columba livia</i>
Inca Dove	<i>Columbina inca</i>
Common Ground-dove	<i>Columbina passerine</i>
Common Raven	<i>Corvus corax</i>
Yellow-rumped Warbler	<i>Dendroica coronata</i>
Yellow Warbler	<i>Dendroica petechia</i>
Townsend's Warbler	<i>Dendroica townsendi</i>
Pacific-slope Flycatcher	<i>Empidonax difficilis</i>
Gray Flycatcher	<i>Empidonax wrightii</i>
Horned Lark	<i>Eremophila alpestris</i>
Prairie Falcon	<i>Falco mexicanus</i>

TABLE D-3 - BIRD SPECIES
Potential Occurrence in the Vicinity of the Project Site¹

Common Name	Scientific Name
American Kestrel	<i>Falco sparverius</i>
Greater Roadrunner	<i>Geococcyx californianus</i>
Blue Grosbeak	<i>Guiraca carulea</i>
Cliff Swallow	<i>Hirundo pyrrhonota</i>
Barn Swallow	<i>Hirundo rustica</i>
Bullock's Oriole	<i>Icterus bullockii</i>
Hooded Oriole	<i>Icterus cucullatus</i>
Bullock's Oriole	<i>Icterus galbula</i>
Loggerhead Shrike	<i>Lanius ludovicianus</i>
Gila Woodpecker	<i>Melanerpes uropygialis</i>
Song Sparrow	<i>Melospiza melodia</i>
Elf Owl	<i>Micrathene whitneyi</i>
Northern Mockingbird	<i>Mimus polyglottos</i>
Bronzed Cowbird	<i>Molothrus aeneus</i>
Brown-headed Cowbird	<i>Molothrus ater</i>
Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>
Brown-crested Flycatcher	<i>Myiarchus tyrannulus</i>
MacGillivray's Warbler	<i>Oporornis tolmiei</i>
Western Screech Owl	<i>Otus kennicottii</i>
House Sparrow	<i>Passer domesticus</i>
Phainopepla	<i>Phainopepla nitens</i>
Common Poorwill	<i>Phalaenoptilus nuttallii</i>
Black-headed Grosbeak	<i>Pheucticus melanocephalus</i>
Ladder-backed Woodpecker	<i>Picoides scalaris</i>
Abert's Towhee	<i>Pipilo aberti</i>
Green-tailed Towhee	<i>Pipilo chlorurus</i>
Western Tanager	<i>Piranga ludoviciana</i>
Black-tailed Gnatcatcher	<i>Polioptila melanura</i>
Vermillion Flycatcher	<i>Pyrocephalus rubinus</i>
Great-tailed Grackle	<i>Quiscalus mexicanus</i>
Rock Wren	<i>Salpinctes obsoletus</i>
Black Phoebe	<i>Sayornis nigricans</i>
Say's Phoebe	<i>Sayornis saya</i>
Brewer's Sparrow	<i>Spizella breweri</i>
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>
Western Meadowlark	<i>Sturnella neglecta</i>
European Starling	<i>Sturnus vulgaris</i>
Bendire's Thrasher	<i>Toxostoma bendirei</i>
Crissal Thrasher	<i>Toxostoma crissale</i>

**TABLE D-3 - BIRD SPECIES
Potential Occurrence in the Vicinity of the Project Site¹**

Common Name	Scientific Name
Curve-billed Thrasher	<i>Toxostoma curvirostre</i>
Le Conte's Thrasher	<i>Toxostoma lecontei</i>
Western Kingbird	<i>Tyrannus verticalis</i>
Barn Owl	<i>Tyto alba</i>
Orange-crowned Warbler	<i>Vermivora celata</i>
Lucy's Warbler	<i>Vermivora luciae</i>
Nashville Warbler	<i>Vermivora ruficapilla</i>
Bell's Vireo	<i>Vireo bellii</i>
Warbling Vireo	<i>Vireo gilvus</i>
Wilson's Warbler	<i>Wilsonia pusilla</i>
White-winged Dove	<i>Zenaida asiatica</i>
Mourning Dove	<i>Zenaida macroura</i>
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>

¹Corman 2008; Corman and Wise-Gervais 2005; Glinski 1998.

**TABLE D-4 - REPTILE AND AMPHIBIAN SPECIES
Potential Occurrence in the Vicinity of the Project Site¹**

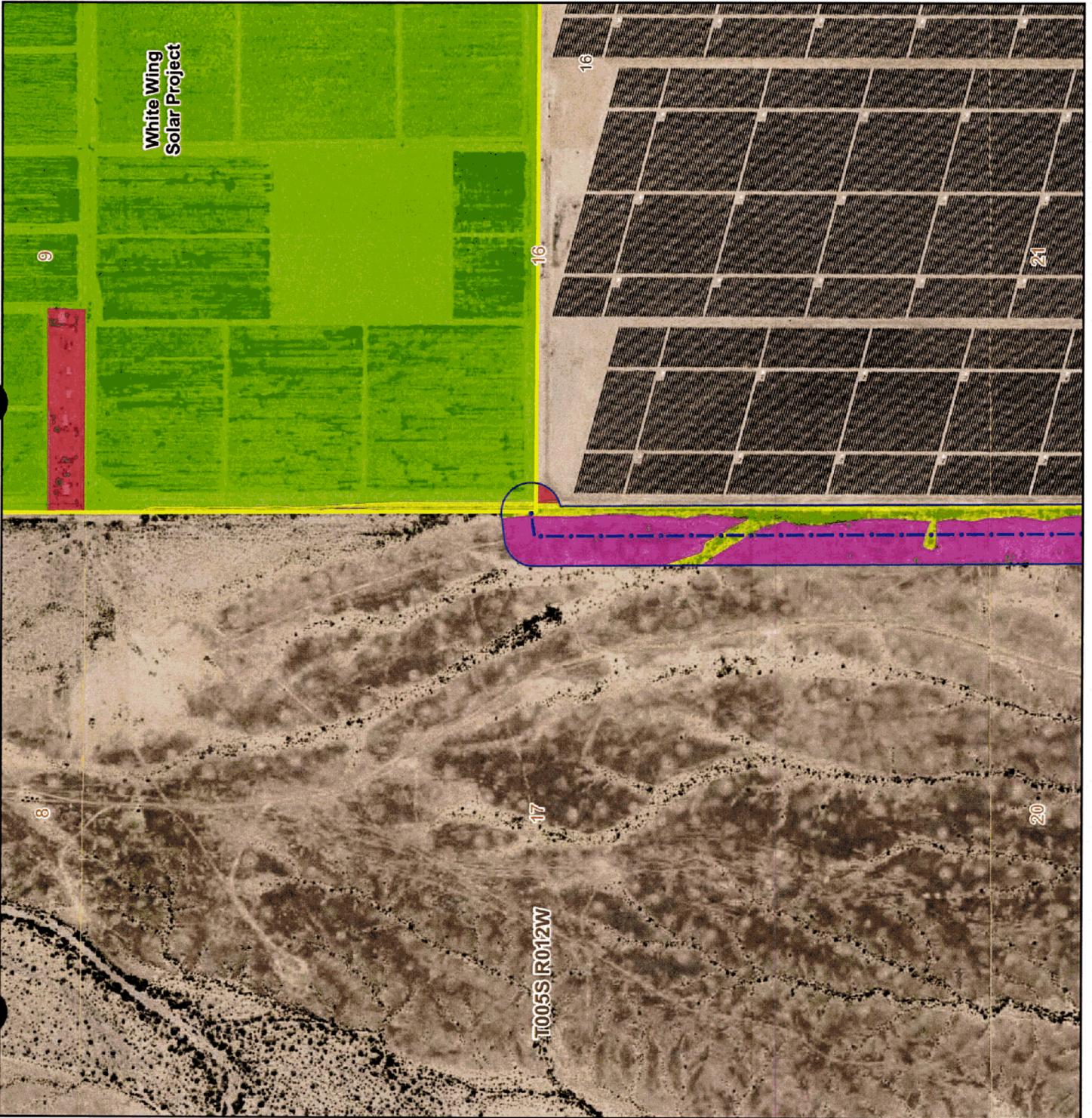
Common Name	Scientific Name
Arizona glossy snake	<i>Arizona elegans noctivaga</i>
Sonoran desert toad	<i>Bufo alvarius</i>
Great plains toad	<i>Bufo cognatus</i>
Red-spotted toad	<i>Bufo punctatus</i>
Woodhouse's toad	<i>Bufo woodhousii</i>
Common zebra-tailed lizard	<i>Callisaurus draconoides</i>
Desert rosy boa	<i>Charina trivergata</i>
Variable sandsnake	<i>Chilomeniscus cinctus</i>
Western shovel-nosed snake	<i>Chionactis occipitalis</i>
Great Basin whiptail	<i>Cnemidophorus tigris tigris</i>
Desert banded gecko	<i>Coleonyx variegatus variegatus</i>
Western diamond-backed rattlesnake	<i>Crotalus atrox</i>
Sonoran sidewinder	<i>Crotalus cerastes cercobombus</i>
Speckled rattlesnake	<i>Crotalus mitchellii pyrrhus</i>
Black-tailed rattlesnake	<i>Crotalus molossus</i>
Mojave rattlesnake	<i>Crotalus scutulatus</i>
Great Basin collared lizard	<i>Crotaphytus bicinctores</i>
Desert iguana	<i>Dipsosaurus dorsalis</i>
Long-nosed leopard lizard	<i>Gambelia wislizenii</i>
Desert tortoise	<i>Gopherus agassizii</i>
Gila monster	<i>Heloderma suspectum</i>
Night snake	<i>Hypsiglena torquata</i>
Sonoran mud turtle	<i>Kinosternon sonoriense</i>
California kingsnake	<i>Lampropeltis getula</i>
Western blind snake	<i>Leptotyphlops humilis</i>
Red racer	<i>Masticophis flagellum</i>
Sonoran coral snake	<i>Micruroides euryxanthus</i>
Desert horned lizard	<i>Phrynosoma platyrhinos</i>
Spotted leaf-nosed snake	<i>Phyllorhynchus decurtatus</i>
Sonoran gopher snake	<i>Pituophis catenifer</i>
Bullfrog	<i>Rana catesbeiana</i>
Western long-nosed snake	<i>Rhinocheilus lecontei</i>
Western patch-nosed snake	<i>Salvadora hexalepis</i>
Common chuckwalla	<i>Sauromalus obesus</i>
Couch's spadefoot	<i>Scaphiopus couchii</i>
Desert spiny lizard	<i>Sceloporus magister</i>
Western ground snake	<i>Sonora semiannulata</i>
Southwestern black-headed snake	<i>Tantilla hobartsmithi</i>
Checkered garter snake	<i>Thamnophis marcianus</i>

**TABLE D-4 - REPTILE AND AMPHIBIAN SPECIES
Potential Occurrence in the Vicinity of the Project Site¹**

Common Name	Scientific Name
Western lyre snake	<i>Trimorphodon biscutatus</i>
Spiny softshell	<i>Trionyx spiniferus</i>
Long-tailed brush lizard	<i>Urosaurus graciosus</i>
Ornate tree lizard	<i>Urosaurus ornatus</i>
Common side-blotched lizard	<i>Uta stansburiana</i>
¹ Stebbins 2003.	

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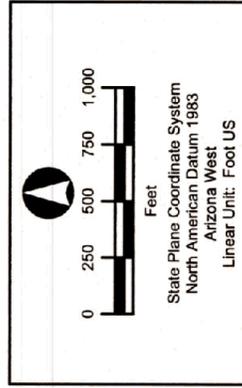
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Legend

- ▲ Existing Substation
- Proposed Gen-tie
- Existing 500 kV Transmission Line
- Railroad
- Proposed White Wing Solar Project Location
- Proposed Gen-Tie ROW - 350 ft
- Township / Range Boundary
- Section Boundary
- Vegetative Covertypes
- Atriplex Scrub
- Creosotebush-White Bursage Scrub
- Disturbed/Developed
- Agricultural
- Fallow Agricultural
- Mesquite Woodland
- Mesquite-Tamarisk
- Xero-Riparian
- Open Water

Figure D-1a

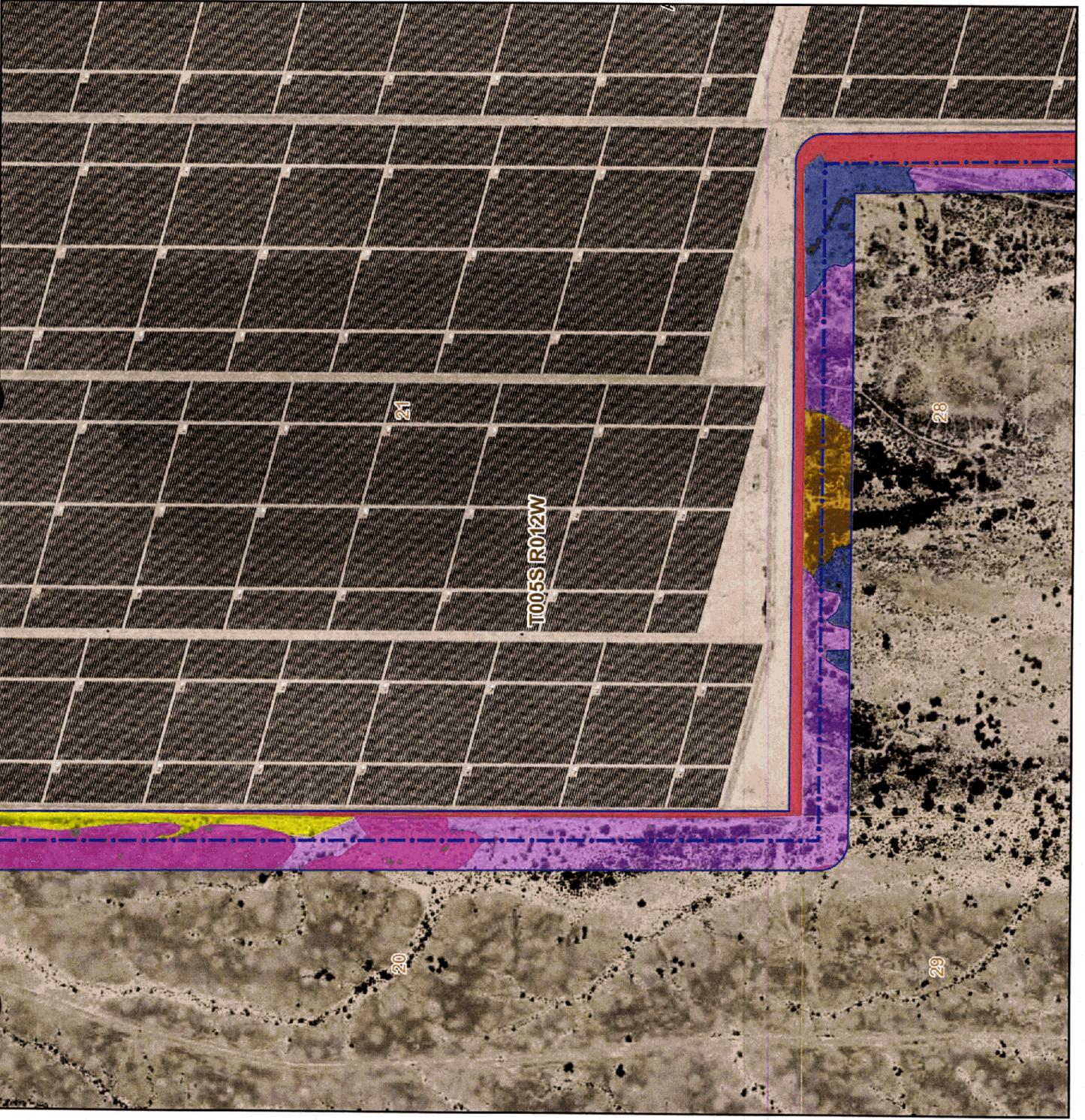


WHITE WING SOLAR PROJECT

Vegetative Covertypes

Map Extent: Yuma County, Arizona

Date: 01-26-16 Author: inc



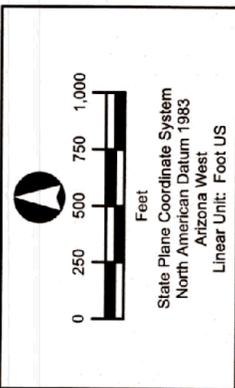
Legend

- ▲ Existing Substation
- Proposed Gen-tie
- Existing 500 kV Transmission Line
- Railroad
- Proposed White Wing Solar Project Location
- Proposed Gen-Tie ROW - 350 ft
- Township / Range Boundary
- Section Boundary

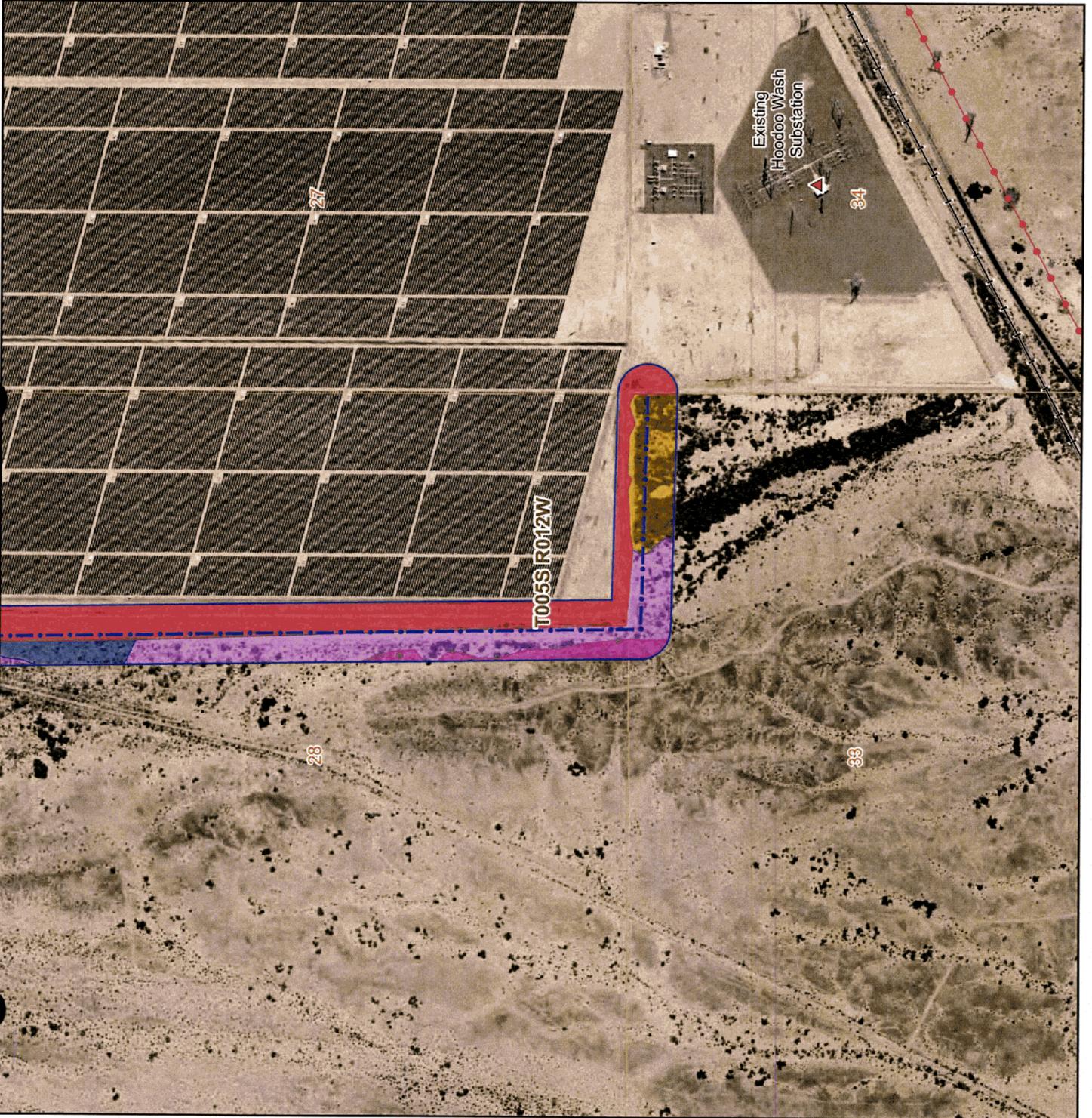
Vegetative Covertypes

- Atriplex Scrub
- Creosotebush-White Bursage Scrub
- Disturbed/Developed
- Agricultural
- Fallow Agricultural
- Mesquite Woodland
- Mesquite-Tamarisk
- Xero-Riparian
- Open Water

Figure D-1b



WHITE WING SOLAR PROJECT	
Vegetative Covertypes	
Map Extent: Yuma County, Arizona	
Date: 01-26-16	Author: inc



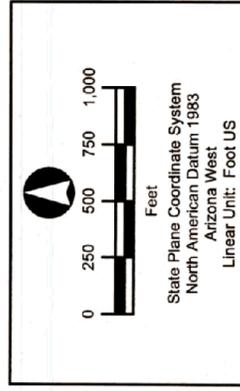
Legend

- ▲ Existing Substation
- Proposed Gen-tie
- Existing 500 kV Transmission Line
- Railroad
- Proposed White Wing Solar Project Location
- Proposed Gen-Tie ROW - 350 ft
- Township / Range Boundary
- Section Boundary

Vegetative Covertypes

- Atirplex Scrub
- Creosotebush-White Bursage Scrub
- Disturbed/Developed
- Agricultural
- Fallow Agricultural
- Mesquite Woodland
- Mesquite-Tamarisk
- Xero-Riparian
- Open Water

Figure D-1c



WHITE WING SOLAR PROJECT

Vegetative Covertypes

Map Extent: Yuma County, Arizona

Date: 01-26-16 Author: inc

EXHIBIT E

SCENIC AREAS, HISTORIC SITES AND STRUCTURES, ARCHAEOLOGICAL SITES

As stated in the Arizona Administrative Code, Title 14, Chapter 3, Article 2:

"Describe any existing scenic areas, historic sites and structures or archaeological sites in the vicinity of the proposed facilities and state the effects, if any, the proposed facilities will have thereon."

VISUAL RESOURCES

Existing Conditions

Visual resources consist of the landforms, vegetation, rock and water features, and cultural modifications that create the visual character and sensitivity of a landscape. These factors also contribute to the sensitivity of the landscape to visual change. A number of factors were considered to evaluate the potential effect the Project would have on visual resources and characteristic landscapes including Visual Quality, Viewer Concern, Viewer Exposure, and Overall Visual Sensitivity.

Visual Quality (VQ) is a measure of the overall impression or appeal of an area as determined by the particular landscape characteristics such as landforms, rockforms, water features, and vegetation patterns, as well as associated public values. The attributes of variety, vividness, coherence, uniqueness, harmony, and pattern contribute to visual quality classifications of indistinctive (low), common (moderate), and distinctive (high). VQ in the Project area is low to moderate because of the presence of the existing energy infrastructure (substations and transmission lines).

Viewer Concern (VC) addresses the level of interest or concern of viewers regarding an area's visual resources and is closely associated with viewers' expectations for the area. VC reflects the importance placed on a given landscape based on the human perceptions of the intrinsic beauty of the existing landforms, rockforms, water features, vegetation patterns, and even cultural features. VC is low in this area because much of it is already developed for solar and electrical uses (energy infrastructure) as well as agriculture.

Viewer Exposure (VE) describes the degree to which viewers are exposed to views of the landscape. Viewer exposure considers landscape visibility (the ability to see the landscape), distance zones (proximity of viewers to the subject landscape), number of viewers, and the duration of view. Landscapes are generally subdivided into three or four distance zones based on relative visibility from travel routes or observation points. Distance zones typically include

foreground, middle-ground, and background. The actual number of zones and distance assigned to each zone depends on the existing terrain characteristics and public policy, and is often determined on a project-by-project basis. The viewer exposure in the Project area is low because it (i) is remote, (ii) can be viewed from a public road on only one side of the Project Site (Palomas Road on the south end) that receives relatively little traffic, and (iii) there are very few residents in the broad surrounding area.

Overall Visual Sensitivity is a concluding assessment derived from a comparison of existing visual quality, viewer concern, and viewer exposure. Visual Sensitivity is classified as low, moderate, or high, and would be deemed medium for this Project area because of the remoteness of the area and the existing solar / electric infrastructure development in the area.

As stated previously, nearly all of the Gen-tie Line (except the endpoints) would be located on federal lands managed by the BLM. The BLM's Visual Resource Management (VRM) system guides visual resources management on BLM-administered lands. Visual resources are defined as the visible physical features on a landscape (e.g., land, water, vegetation, animals, structures, and other features). The visual resource inventory process provides BLM managers with a means for determining visual values. The process involves a scenic quality evaluation, sensitivity level analysis, and a delineation of distance zones. Based on these three factors, BLM-administered lands are placed into one of four visual resource inventory classes. These inventory classes represent the relative value of the visual resources, with Classes I and II being the most valued, Class III representing a moderate value, and Class IV being of least value.

The area where the Project is proposed was originally designated VRM Class III and it has a scenic quality rating of B, a sensitivity rating of medium, and is located in the foreground / middleground distance zone. Through development of the Agua Caliente SEZ, the VRM was amended to Class IV. Visual management objectives are predefined for each VRM class and the objectives for Class IV are to provide for management activities that require major modification of the existing character of the landscape. The level of change to the characteristic landscape can be high. These management activities may dominate the view and be the major focus of viewer attention.

The types and degree of visual changes that would be caused by the Project are shown in a photographic simulation described below.

Potential Effects on Scenic Quality

Effects to visual resources from the development of the Project will result in minor changes to the views in the immediate vicinity. The proposed Project will introduce new elements into the landscape, but will not appreciably alter the existing form, line, color, and texture which characterize the existing landscape. This is because of the significant amount of existing solar and electric infrastructure that occurs in the immediate area of Palomas / Hyder Road, the primary location from which viewers might see the Project (see **Figure E-1**).

The Project would include structures up to 100 feet tall between the Solar Site Substation and the Hoodoo Wash Substation located 3.5 miles south. These Project structures could be seen by viewers travelling along Palomas / Hyder Road but would be expected to be indistinguishable from all of the other existing transmission structures in the immediate area.

Areas within the Project substations would be artificially lighted at night as necessary to enhance the safety of Project personnel. Any night-lighting would be designed to meet the requirements of Yuma County.

The Federal Aviation Administration (FAA) requires that any permanent object that exceeds an overall height of 200 feet above ground level or exceeds any obstruction standard contained in FAR Part 77 (Special Federal Aviation Regulation No. 98 available at: http://edocket.access.gpo.gov/cfr_2007/janqtr/pdf/14cfr77.1.pdf) be lighted with a flashing lighting system. Because the tallest structures associated with the Project would only be up to 150 feet tall and more than three nautical miles from the nearest airport (as per FAR Part 77), blinking safety lights would not be required.

Key Viewpoints

Because of the relatively short length of the Gen-tie Line (3.5 miles) and its remote location, two key observation points (KOPs) were selected to illustrate a representative view of the Project. The location of the KOPs is depicted on **Figure E-2**. These KOPs provide a view from Palomas / Hyder Road, the primary location from which members of the public could potentially see the Project. KOP1 represents the view travelling westward on Palomas / Hyder Road just east of the location of the existing Hoodoo Wash Substation. KOP2 was selected as a second viewing point west of the Project from which individuals could see the Gen-tie Line when traveling east-bound on Palomas / Hyder Road.

Figures E-3a and E-3b show the existing conditions and photographic simulations of the proposed Project from the KOP1, location on Palomas / Hyder Road. KOP1 is approximately 0.2 miles east of the existing Hoodoo Wash Substation. This view represents the closest view from which a west-bound traveler on Palomas / Hyder Road could see the existing Hoodoo Wash Substation, proposed Step-Up Substation, and Gen-tie Line.

Figures E-4a and E-4b show the existing conditions and photographic simulation of the proposed Gen-tie Line from KOP2, a location on Palomas / Hyder Road approximately 0.6 miles west of the existing Hoodoo Wash Substation. This view represents a view from which an east-bound traveler on Palomas / Hyder Road could see the existing Hoodoo Wash Substation, potential Step-Up Substation, and Gen-tie Line.

Other existing land uses visible in these views are Palomas / Hyder Road and the abandoned railroad and associated berm in the foreground, the multiple existing transmission lines and the Hoodoo Wash Substation in the middleground, and distant mountains in the background. As depicted on the simulations, some of the view of the existing Hoodoo Wash Substation would be screened from view by the existing railroad berm. The taller components would be visible in

the foreground and middle ground, and the Gen-tie Line would be visible in the middle ground of the simulations, but difficult to distinguish from the other existing transmission structures and substations that dominate the view.

The presence of the Project on BLM-administered lands would be consistent with the visual objectives for the VRM Class IV designation for the Project area.

CULTURAL RESOURCES

The Project would cross about 3.5 miles of federal land managed by the BLM and would terminate on both ends at substations located on private lands. The Solar Site Substation would disturb up to 5 acres of private land that has for several decades undergone disturbance associated with ongoing agricultural activity on the White Wing Ranch. Based on current inventories, archaeological and historical overviews, and previous surveys in the area, the areas that would be affected by the proposed Project are expected to contain few, if any, significant prehistoric or historic cultural resources.

A Class I cultural resources survey was conducted wherein site and project files were checked at the Arizona State Museum (ASM) and the data received were examined to determine if previously recorded cultural resources were within the Project area and a one-mile buffer. The ASM records check revealed that eight (8) cultural resource surveys have been conducted in the area. One of these surveys (conducted on the Agua Caliente SEZ on BLM-administered lands included portions of the Project area. A copy of the Class I summary is included in **Appendix E-1**.

A Class III cultural resources survey was conducted on the Gen-tie Line route. The Project endpoints occur on previously disturbed land. The northern portion of the Gen-tie Line route was surveyed by the BLM as part of the analysis for the Agua Caliente SEZ and the southern portion was surveyed recently as part of this Project. The surveys identified no archaeological sites and a number of isolates within the proposed Gen-tie Line ROW. No buildings, structures, or districts were identified.

Consultation letters were sent to the State Historic Preservation Office (SHPO) and local Native American tribes along with the cultural report seeking comment. These letters are included in **Appendix E-2**.

CONCLUSIONS

The Project will cover a small area in a location where significant solar development and electrical infrastructure (transmission lines and substations) already exists and where future solar development is planned. Where the Project would be visible, it will be consistent with the other existing electric facilities in the area.

There are no known historic sites or structures or archaeological sites that would be affected by

the proposed Project. The cultural resource surveys conducted for the Project indicate that the potential for archaeological resources to be present or affected would be low.

REFERENCES

Bureau of Land Management (BLM). 2010. Yuma Field Office Record of Decision and Approved Resource Management Plan (Yuma RMP). [Online] Located at: http://www.blm.gov/az/st/en/info/nepa/environmental_library/arizona_resource_management/YFO/YFO-ROD.html. Accessed March, 2016.

BLM. 2013. Record of Decision (ROD) for the Arizona Restoration Design Energy Project (RDEP). [Online] Located at: http://www.blm.gov/az/st/en/prog/energy/arra_solar/docs.html.

References for the cultural resources survey are included in the Cultural Resources Report.



Figure E-1
Existing Electrical Infrastructure in the Area



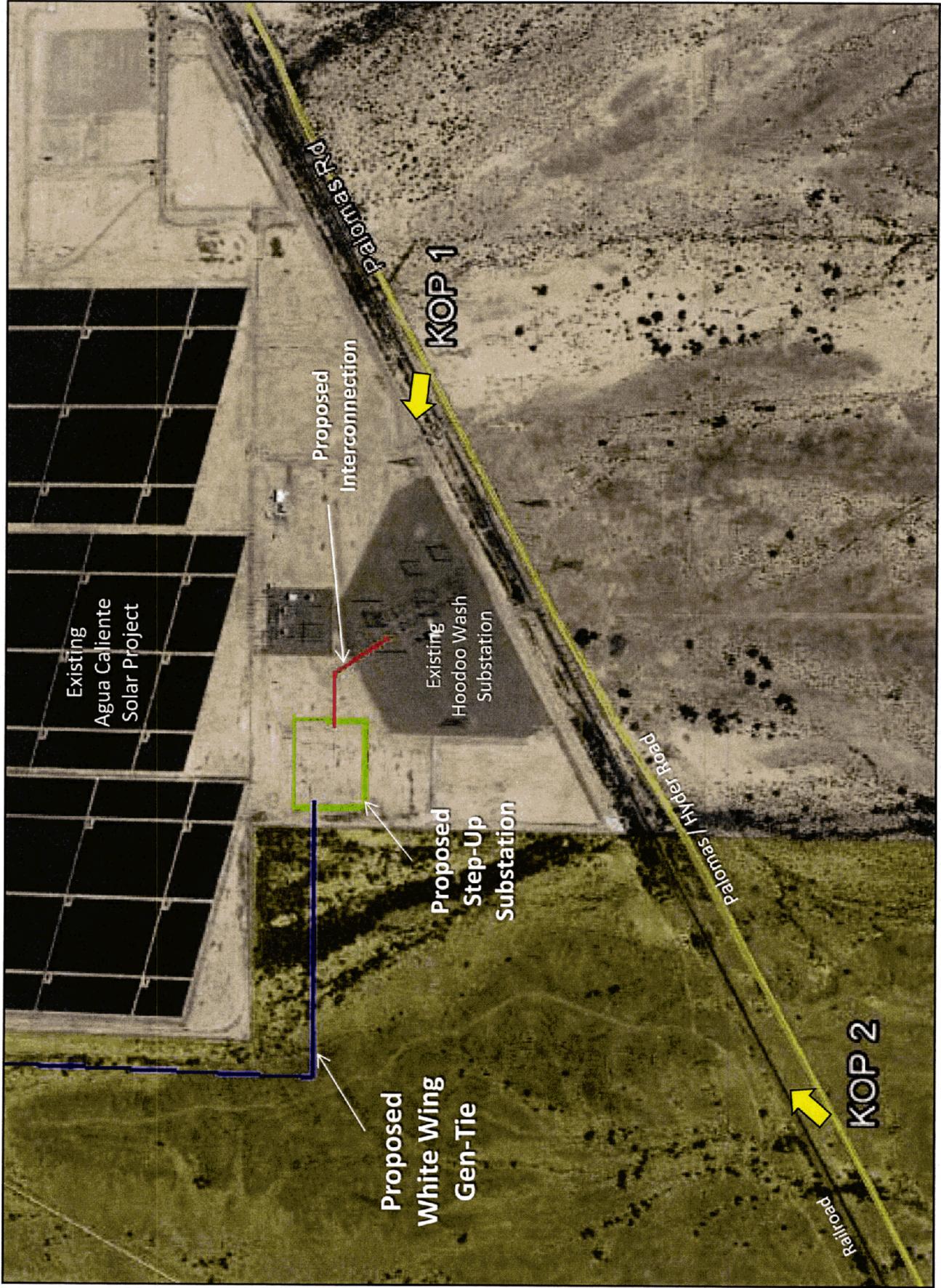
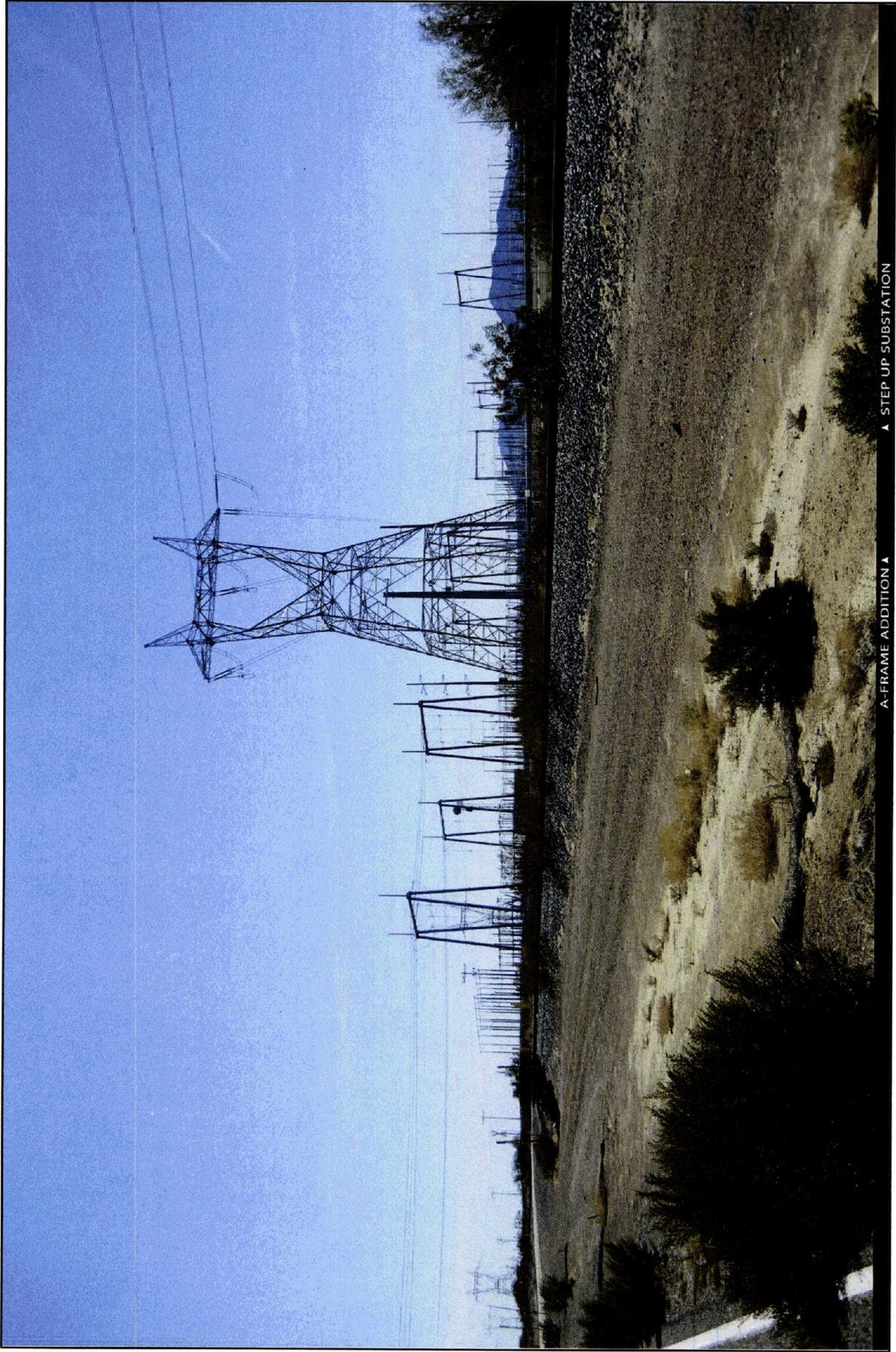


Figure E-2
Location of Key Observation Points (KOPs)



Figure E-3a
Existing View from KOP 1
Looking West-Northwest from Palomas / Hyder Road



A-FRAME ADDITION ▲ STEP UP SUBSTATION

Figure E-3b
Visual Simulation from KOP 1
Looking West-Northwest from Palomas / Hyder Road



Figure E-4a
Existing View from KOP 2
Looking Northeast from Palomas / Hyder Road



▲ A-FRAME ADDITION

▲ STEP UP SUBSTATION

▲ 2

Figure E-4b
Visual Simulation from KOP 2
Looking Northeast from Palomas / Hyder Road

Appendix E-1
Class I Cultural Resource Summary

CLASS 1 CULTURAL RESOURCE SURVEY WHITE WING GEN-TIE PROJECT

CULTURE HISTORY

For the Paleoindian and Archaic periods this overview will cover western and southwestern Arizona. For the Ceramic and Historic periods, the scale will focus on the Gila River corridor and adjacent areas.

Paleoindian and Archaic: Faught and Freeman (1998) have reviewed the issue of pre-Clovis/pre-projectile point occupation in the Southwest. The arguments by Julian Hayden are most relevant to the project area because they involve interpretation of archaeological remains specific to the Sonoran Desert. Using observations and terminology developed by Malcolm Rogers, Hayden proposed a cultural sequence based upon degree of desert varnish, relationship to desert pavement, and to some extent, tool form (Hayden 1976: 277-283). He thought that the artifacts with the heaviest varnish on or in desert pavement are from the period prior to 18,000 BP (Malpais Stage) and that the lighter varnished tools laying on top of desert pavement are pre-8000 BP (San Dieguito I). These dates come mostly from shell found on desert pavement sites or from correlation with the dating of Late Pleistocene climatic events. A variety of problems can be found with the proposed dating of the Malpais and early San Dieguito but the pattern observed does appear to be real (Faught and Freeman 1998:36-37; Heilen 2004).

Evidence of Paleoindian (11600-10200 BP) occupation in southwestern Arizona is negligible, a major difference from southeastern Arizona. Complete Clovis points were found in a multicomponent site in Organ Pipe Cactus National Monument (Huckell 1982:19) and another south of Gila Bend (Faught and Freeman 1998:44). As noted earlier, the early end of the San Dieguito Complex is thought by Hayden to substantially precede Paleoindian and end in the Early Archaic (10700-7000 BP) but most archaeologists view this complex as being part of the Early Archaic. It appears that this complex is the principal Early Archaic one found in southwestern Arizona (Faught and Freeman 1998: Figure 4.2).

Middle Archaic (8000-4000 BP) seems to be poorly represented in the area (Faught and Freeman 1998: 68). Late Archaic sites, however, are abundant (Faught and Freeman 1998:Figure 6.1) with San Pedro or Elko Corner-notched points being the primary evidence. Shackley (1996:429) suggests that the presence of these two projectile point forms in the Tank Mountains about 17 miles northwest of the project area may indicate the existence of two cultural groups. San Pedro points, as define of the San Pedro Phase in the Tucson Basin sequence, begin at 1200 B. C. (Mabry 1997: Table 1.3) and persist into the Agua Caliente phase (A. D. 150-650) of the Early Ceramic period (Sliva 1999:340). Also present in the Tank Mountains is a small obsidian source that was used mostly in the Late Archaic (Shackley 1991:20).

Ceramic Period: In the ceramic period of Southwestern Arizona it is necessary to differentiate between Hohokam occupation which is best known in the Gila Bend/Painted Rocks area and Patayan occupation, or more specifically, Lowland Patayan, identified by having mostly Lower Colorado Buff Ware pottery. The central and western Papaguera, whose northern boundary is

the Gila River was occupied by Hohokam groups or ancestral O'odham groups with varying connections to the Hohokam (Doyel 2000). The area north of the Gila River is generally classified as western Arizona, a large area with extremely spotty archaeological coverage.

The ceramic period chronology in the central and western Papaguera, that area south of the Gila River and west of Gila Bend, is based mostly on the association of trade wares coming from the Tucson and Phoenix basins. Ceramics first appear in limited numbers in the area around A.D. 400 - 600 (Ahlstrom 2008: 486), which would represent the Pioneer period of the Hohokam cultural sequence. These sites may represent limited use of the area by Hohokam groups or by groups having access to Hohokam pottery through trade (Ahlstrom et al. 2001:55, 57).

The early Colonial period (Gila Butte phase of the Phoenix Basin Hohokam cultural sequence) is represented by numerous communities along the Gila River having canals and one or more ball courts (Doyel 2000:105-106), including the southwestern-most ball court in the Hohokam system. The largest site in the area, the Gila Bend (Gatlin) site, was occupied by the Santa Cruz phase (875-975 A.D.) and may have lasted to 1075 A.D. or later (Santan phase). By the late Colonial period and into the Sedentary period there was an expansion of Hohokam sites along the Gila River as well as to the south.

Classic period sites in the Gila Bend area are less complex than those found in the Phoenix Basin and suggest formation into smaller and more dispersed settlements. Hilltop villages are also present, suggesting the possibility of hostilities (Doyel 2000:127).

As noted above, the term Patayan is used for groups in western Arizona along and to the north of the Gila River associated with Lower Colorado Buff Ware. The types in this ware were originally defined by Malcolm Rogers based upon vessel form and surface treatment but revised by Albert Schroeder and arranged into series based upon temper. Following the lead of Rogers, Waters (1982) discusses the history of the ware and outlines the type sequence - Patayan I (A. D. 700-1000), Patayan II (1000-1500) and Patayan III (post 1500).

In Vivian's survey on the north side of the river west of the Agua Caliente Mountains, pottery sites contain almost exclusively Lower Colorado Buff Ware (Vivian 1965:134, 138). These sites were predominantly near the Colorado River above the bottomlands. No structures were observed on these sites, but fire-cracked rock was common and the chipped stone assemblage included choppers and occasional projectile points or scrapers. In alluvial situations in Western Papaguera, fire-cracked cobbles are suggested to primarily relate to seed parching (Vanderpot et al. 2008:200). Hammerstones, unshaped manos, and metate fragments rounded out the sparse tool assemblage (Vivian 1965:137). Trails, either with or without pottery, are present in areas having desert pavement. Breternitz (1957:3) noted a trail site near the project area at "Big Ethel Wash" that had Wingfield Plain sherds.

Along the Gila River, larger Patayan farming villages probably existed, but flooding may have removed or covered them (McGuire 1982:219-220). Sparse Patayan populations in the interior basins would have focused upon hunting and gathering with some "casual" agriculture in ak-chin situations, similar to that suggested for the Western Papaguera (Bruder and Hill 2008:227-228).

By the historic period the lower Gila had at different times Yuman, Halchidhoma, and Piman speaking groups (Doyel 2000:105; Ezell 1963; Schroeder 1961:25). At contact the project area is on the southern boundary of the Western Yavapai (Tolkapaya) (Gifford 1938: Map 1). Gifford (1938:251) states that settlement did not occur on the Gila River until late in the 19th century because of the proximity of the Maricopa and O'odham.

American Period: The nearby Palomas Mountains never had significant mining and the Tank Mountains to the northwest had limited exploration and some placer activity (Wilson 1933: 123-127, 129-130). According to Vivian (1965:108) agricultural development began in this area of the river in 1885 with a post office present by 1889.

In 1892, most of the Tolkepayas incarcerated at San Carlos left to work for American farmers at Palomas, Agua Caliente, and elsewhere along the lower Gila (Braatz 2003:211). Vivian (1965: 131-133) recorded seven sites in the Palomas area that he thought were Yavapai. Parker Series Lower Colorado Buff Ware, presumably obtained by trade with the Mohave, was the only Native American pottery present at these sites (Vivian 1965:133, 144). The Yavapai apparently were gone from the Palomas area by the 1920s (Vivian 1965: 131).

Irrigation at Palomas and elsewhere on the lower Gila was short-lived. The catastrophic floods of 1905 wiped out the heads of the canals. In 1920, Palomas had 46 residents, mostly "Mexicans" [sic], who made a living from limited farming and cattle ranching (Ross 1923:160). The post office at Palomas closed in 1938. In World War II, the area had two military posts as part of desert training - Camp Horn (also called Fort Horn) and Camp Hyder.

The Gila River corridor was a major east-west route across southern Arizona with the Gila Trail being a major route for the 49ers, followed by the Butterfield Overland Mail stage line in 1857, the Southern Pacific Railroad in 1877, US Highway 80 in 1921, and Interstate 8 in 1973, all located south of the Gila River (Kupel 1999). North of the river, a variety of apparently minor roads ran along the river and north-south from the river (Ross 1923: Plate III). In 1926, the Southern Pacific Railroad connected Phoenix with Yuma via the Phoenix Cutoff that runs north of the Gila until crossing the river above Wellton (Janus Associates 1989:13-14).

The White Wing Ranch: The current project area is located directly adjacent to the property that was previously occupied by the White Wing Ranch. This ranch was established in the 1950s and had been in continuous production until around 2010. The most recent crops grown there were cantaloupe, honey dew melons, and alfalfa, as well as citrus. Several buildings were present in 2010 that represented the earliest structures associated with the ranch (*see* Moses et al. 2010). The White Wing Ranch was one of several large commercial agricultural farms in the region that represented one of the major economic drivers of the area. This property was largely destroyed when the Agua Caliente Solar Project was built in 2012.

CLASS I-PREVIOUS RECORDS REVIEW

Cultural resource records within a one-mile radius were reviewed at on-line database AZSITE (AZSITE 2016). The BLM Yuma Field Office was also contacted regarding cultural resources in the area. In addition, the National Register of Historic Places (NRHP) website was reviewed

(NRHP 2016). Records were checked to determine whether any archaeological sites or historic properties had been recorded and the extent of archaeological work within one mile, with special attention given to any historic properties/archaeological sites located within the APE.

Seven previous archaeological surveys and three archaeological sites have been recorded within one mile (Tables 1-2, Appendix A). No portion of the APE had been previously surveyed and no archaeological sites had been recorded within the current APE.

After consultation with BLM archaeologists Matthew Basham and Tom Jones, it is unclear if any portions of the adjacent BLM Agua Caliente Solar Energy Zone (SEZ) were subject to a Class III survey. BLM records show that the area was part of a larger EIS process but no additional information is available concerning cultural resource assessments (Appendix C). An EIS was prepared for the Arizona Restoration Design Energy project (RDEP) for a 2,560-acre parcel located near the APE. Work includes a Culture History Background of Arizona and Affected Environment and Cultural Resources as it relates to potential future development (BLM 2012). Mr. Basham was not aware of any other Class III surveys within the project area (Matthew Basham, personal communication dated April 26th, 2016).

Project Number	Performing Institution	Description
1999-587.ASM	SWCA	PBNS Level 3 Fiber Optic Line, 641 acres, 14 new sites recorded (Doak 1999).
14.205.SHPO	SHPO	Cultural Resource Investigations for the Yuma 500kV Transmission Line, APS. No associated reference.
1955-3.ASM	Arizona State Museum	Southern Pacific Pipeline Survey, 15 new sites recorded (Komerska and Breternitz 1955).
1981-162.ASM	Archaeological Consulting Services	Yuma 500 kV Transmission Line, 119.8 miles of 200-foot-wide right of way, 21 sites recorded (Effland and Green 1981).
2011-268.ASM	William Self Associates	LS114 Cultural Resources Survey on BLM Land, 191.6 acres, no new sites recorded (Smith and Boley 2011).
2006-335.ASM	Environmental Planning Group	Palo Verde Hub to North Gila 500kV, 125-mile-long survey, 6 new sites recorded (Rowe 2007).
2009-046-ANT	Antigua Archaeology	Agua Caliente Class III, 2,400 acres, 1 new site recorded (Moses et al. 2010).

Site Number	Site Type, Cultural and Temporal Affiliation, and Location	NRHP Eligibility
AZ Y:2:29(ASM)	Historic remnants of Horn Railroad Station (Rowe 2007).	Eligible per recorder in 2006, not formally evaluated.
AZ T:10:84(ASM)	Southern Pacific Railroad: Wellton-Phoenix-Eloy Spur (e.g. Moses et al 2010).	Eligible individually in 2001-2009 under criterion a.
AZ Y:2:30(ASM)	The White Wing Ranch and associated buildings (Moses et al. 2010).	Eligible per recorder under criterion a in 2010, not formally evaluated.

Previously-Recorded Archaeological Sites within One Mile

GLO Map 3814, officially filed in June 1877, shows no historic-period properties or roads near the APE (GLO 1877). GLO Map 3813, officially filed in November 1936, shows the Southern Pacific Railroad recorded as AZ T:10:84(ASM) and an unnamed road running northwest across Section 33 and then north across Section 28, approximately 400 meters west of the project area (GLO 1936, Figure 4).

Appendix E-2
Cultural Resource Consultation Letters

In Reply Refer To:
AZA-36884
2800(C020)

CERTIFIED MAIL – RETURN RECEIPT REQUESTED, 7008 1140 0002 7302 «cert»

«name», «title»
«tribe»
«add1»
«CSZ»

Dear «Addressline»:

The Bureau of Land Management (BLM), Yuma Field Office (YFO), would like to initiate consultation regarding a proposal by White Wing Ranch North, LLC to construct a new gen-tie line approximately 3.5 miles to connect the proposed White Wing Solar Project to the regional electric grid. The gen-tie (electric collector line) is proposed to be either 500kV, 230kV, or 115kV voltage. This line would connect the proposed solar project to the existing Hoodoo Wash Substation which is next to Hyder Valley Road and the existing railroad track. The purpose of this letter is to invite you to comment on the proposed action in accordance with the National Environmental Policy Act (NEPA) and the National Historic Preservation Act (NHPA), as amended, to ensure that all of your community's concerns are carefully considered.

The proposed project area is located directly adjacent to and immediately west and south of the existing Agua Caliente Solar Project which is eight miles north of Dateland, Yuma County, Arizona. The majority of the proposed project area is located within the recently-designated Agua Caliente Solar Energy Zone (SEZ). The portion of the project that does not fall within the SEZ is wholly located within a BLM Designated Utility Corridor that runs adjacent to Hyder Road. The legal description is Sections 16, 17, 20, 28, 29, and 33, Township 5 South, Range 12 West (G&SRB&M) (Aztec NW, Ariz. 7.5' USGS Quadrangle map). Please see the enclosed project map for additional information on the project location.

An Environmental Assessment (EA) is being prepared to address and evaluate potential effects of the project on the environment. To help in preparation of the EA and to comply with Section 106 of the NHPA, the BLM typically requires both a Class I review of previous cultural resource inventories in the Area of Potential Effect (APE) for the undertaking and a Class III cultural resource inventory of the proposed project area. The entire Agua Caliente SEZ was previously-surveyed in 2014. Several tribes participated in the review and the report is now with SHPO. Two historic sites were identified within the APE during that survey, but both were

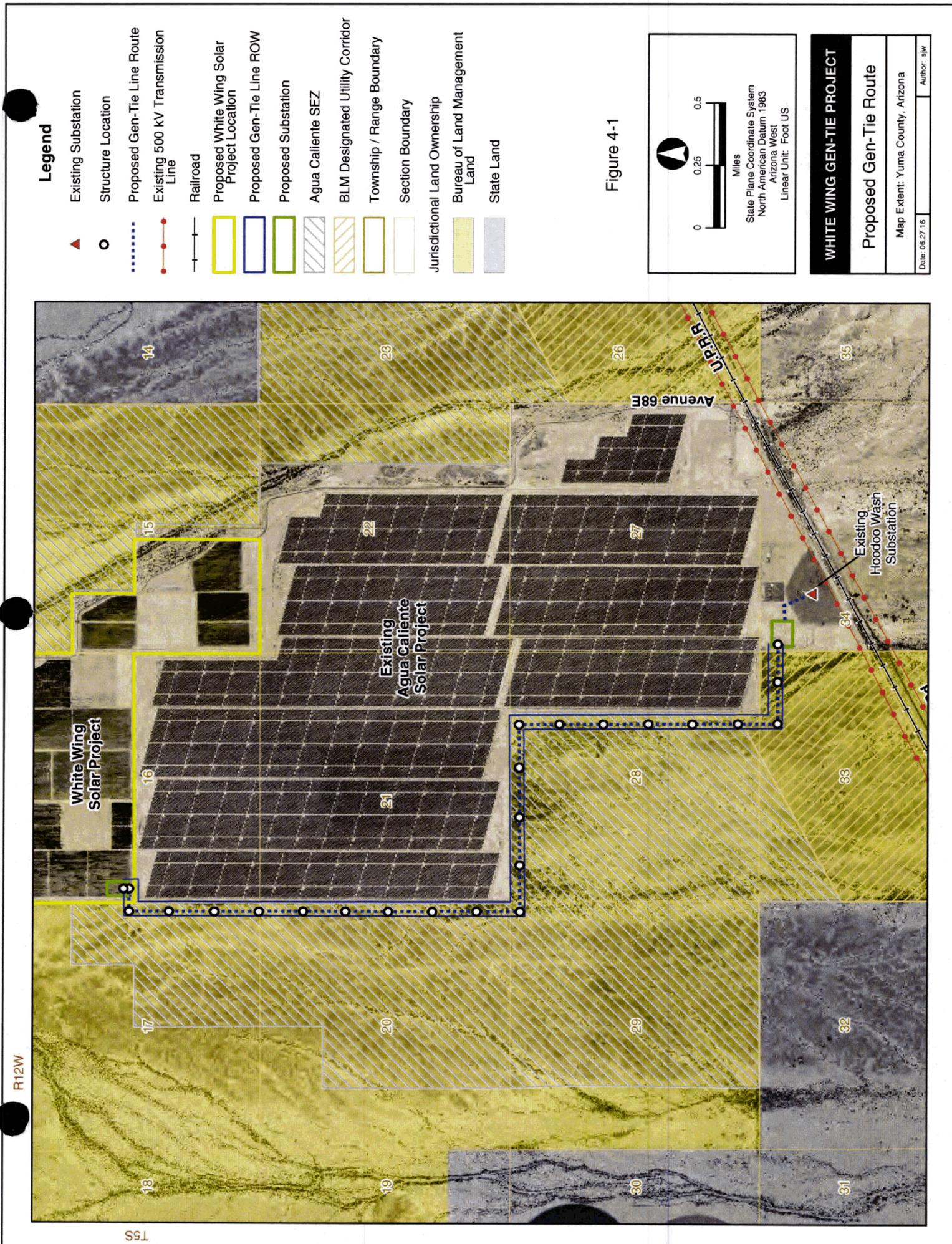
recommended as not eligible for the National Register of Historic Places. The portion of the project not located within the SEZ was surveyed by Antigua Archaeology as part of this project. The Class I review conducted by Antigua revealed that eight archaeological surveys (including Logan Simpson's) have been conducted and three archaeological sites have been recorded within a 1-mile radius of the project. Their Class III inventory did not identify any additional archaeological sites within the proposed project area and only five isolated artifacts (all historic). A copy of this report is available upon request.

As mentioned above, the BLM wishes to obtain your comments to ensure that your community's concerns are carefully considered. In particular, we hope that you will let us know if there are any resources or places of traditional cultural or religious importance to members of your community that might be affected by this proposal. If there are other tribal members you feel should be included by BLM in consultation, please provide us with their names, addresses, and telephone numbers so we can contact them directly. Thank you for consideration of this request.

If you would like to arrange a meeting, a project area visit, or would like additional information, please contact the Yuma Field Office Assistant Field Manager, Thomas Jones, by mail, telephone (928-317-3200), or email at tkjones@blm.gov.

Sincerely,

John MacDonald
Field Manager



Legend

- ▲ Existing Substation
- Structure Location
- ⋯ Proposed Gen-Tie Line Route
- Existing 500 kV Transmission Line
- Railroad
- ▭ Proposed White Wing Solar Project Location
- ▭ Proposed Gen-Tie Line ROW
- ▭ Proposed Substation
- ▨ Agua Caliente SEZ
- ▨ BLM Designated Utility Corridor
- ▭ Township / Range Boundary
- ▭ Section Boundary
- ▭ Jurisdictional Land Ownership
- ▭ Bureau of Land Management Land
- ▭ State Land

Figure 4-1

0 0.25 0.5
Miles

State Plane Coordinate System
North American Datum 1983
Arizona West
Linear Unit: Foot US

WHITE WING GEN-TIE PROJECT

Proposed Gen-Tie Route

Map Extent: Yuma County, Arizona

Date: 06.27.16 Author: sjw

R12W

T5S

WHITE WING GEN-TIE PROJECT
Bureau of Land Management Yuma Field Office
Tribal Distribution List

* = Recipient of NEPA and Archaeology Report

TRIBAL CHAIRPERSON	CC RECIPIENTS
Louis J. Manuel Jr., Chairman Ak-Chin Indian Community	Caroline Antone, Cultural Resource Manager *
Edward Smith, Chairman Chemehuevi Indian Tribe	Ronald Escobar, Secretary-Treasurer Dennis Fagundes, Water Quality Technician Tom Pradetto, Director Environmental Programs * Jay Cravath, Cultural Director
Sherry Cordova, Chairperson Cocopah Indian Tribe	Jill McCormick, Cultural Resources Manager *
Dennis Patch, Chairman Colorado River Indian Tribes	Wilene Fisher-Holt, CRIT Museum Director
Timothy Williams, Chairman Fort Mojave Indian Tribe	Linda Otero, Council Member and Aha Makav Cultural Society Director *
Keeny Escalanti, Sr., President Fort Yuma Quechan Tribe	Arlene Kingery, Historic Preservation Officer *
Gregory Mendoza, Governor Gila River Indian Community	Barnaby Lewis, Tribal Historic Preservation Officer *
Herman G. Honanie, Chairman The Hopi Tribe	Leigh Kuwanwisiwma, Cultural Preservation Office Director *
Sherry J. Counts, Chairwoman Hualapai Tribe	Loretta Jackson, Historic Preservation Officer *
Val Panteah, Governor Pueblo of Zuni	Kurt Dongoske, Zuni Heritage and Historic Preservation Office Acting Director *
Delbert Ray, President Salt River Pima-Maricopa Indian Community	Shane Anton, Cultural Preservation Programs Manager * Hans Klose, Community Development Director Kelly Washington, Cultural Resources Department Director
Ned Norris Jr., Chairman Tohono O'odham Tribal Nation	Frances Conde, Cultural Preservation Committee Chair Lorraine Eiler, Natural Resources Committee Chair Joseph Joaquin, Cultural Affairs Program Peter Steere, Cultural Affairs Program * Gary Antonio, Hia-Ced O'odham Program Manager
Thomas Beauty, Chairman Yavapai-Apache Nation	Chris Coder, Tribal Archaeologist *
Ernest Jones Sr., President Yavapai-Prescott Indian Tribe	Greg Glassco, Cultural Resource Program Director * Linda Ogo, Culture Research Department Director

name	title	Addressline	tribe	add1	c/s/z	cert
Louis J. Manuel Jr.	Chairman	Chairman Manuel	Ak-Chin Indian Community	42507 West Peters and Nall Road	Maricopa, AZ 85239-3940	
Edward Smith	Chairman	Chairman Smith	Chemehuevi Indian Tribe	PO Box 1976	Havasu Lake, CA 92363	
Sherry Cordova	Chairperson	Chairperson Cordova	Cocopah Indian Tribe	14515 S. Veterans Drive	Somerton, AZ 85350	
Dennis Patch	Chairman	Chairman Patch	Colorado River Indian Tribes	26600 Mohave Road	Parker, AZ 85344	
Timothy Williams	Chairman	Chairman Williams	Fort Mojave Indian Tribe	500 Merriman Avenue	Needles, CA 92363	
Keeny Escalanti, Sr.	President	President Escalanti	Fort Yuma Quechan Tribe	PO Box 1899	Yuma, AZ 85366-1899	
Gregory Mendoza	Governor	Governor Mendoza	Gila River Indian Community	PO Box 97	Sacaton, AZ 85247	
Herman G. Honanie	Chairman	Chairman Honanie	The Hopi Tribe	PO Box 123	Kykotsmovi, AZ 86039	
Sherry J. Counts	Chairwoman	Chairwoman Counts	Hualapai Tribe	PO Box 179	Peach Springs, AZ 86434-0179	
Val Panteah	Governor	Governor Panteah	Pueblo of Zuni	1203-B State Highway 53 PO Box 339	Zuni, NM 87327	
Delbert Ray	President	President Ray	Salt River Pima-Maricopa Indian Community	10005 East Osborn Road	Scottsdale, AZ 85256	
Ned Norris Jr.	Chairman	Chairman Norris	Tohono O'odham Tribal Nation	PO Box 837	Sells, AZ 85634	
Thomas Beauty	Chairman	Chairman Beauty	Yavapai-Apache Nation	2400 West Datsi Street	Camp Verde, AZ 86322	
Ernest Jones Sr.	President	President Jones	Yavapai-PreScott Indian Tribe	530 East Merritt Street	Prescott, AZ 86301-2038	

EXHIBIT F

RECREATIONAL PURPOSES / ASPECTS

As stated in the Arizona Administrative Code, Title 14, Chapter 3, Article 2:

State the extent, if any, the proposed site or route will be available to the public for recreational purposes, consistent with safety considerations and regulations and attach any plans the applicant may have concerning the development of the recreational aspects of the proposed site or route.

INTRODUCTION

The Project is located almost entirely on federal lands managed by the BLM in an unincorporated area of eastern Yuma County. There is existing solar and electrical infrastructure, including substations and transmission lines, in the immediate vicinity of the Project. The federal lands that the Project would cross are designated for solar generation and linear utilities by the applicable BLM management plans / decisions.

The Applicant does not plan to make the lands covered by the Project available for recreational uses. Nearby private lands are likewise not available for recreation. The federal lands where the Project would be located could be made temporarily available by the BLM for recreation, but long-term plans for these lands would be for solar and utility uses.

EXISTING CONDITIONS

The federal lands managed by the BLM where the Project would be located are within the Dispersed Use Recreation Management Zone (RMZ). This RMZ is managed to provide undeveloped and wildlife-based recreation opportunities through motorized and non-motorized means. It provides OHV riding, hiking, and wildlife and wildflower viewing opportunities, and is also part of AGFD Game Management Unit 41.

Currently, there are no existing or planned designated recreational facilities or areas on private, state, or federal lands in the immediate vicinity of the Project.

POTENTIAL EFFECTS

There are no existing or planned recreational facilities within the nearby area. The Project would not be expected to conflict with dispersed recreation on the BLM-administered land crossed by the Gen-tie Line if those uses were to continue. Therefore, no recreational impacts are anticipated to result from the Project.

REFERENCES

Bureau of Land Management (BLM). 2010. Yuma Field Office Record of Decision and Approved Resource Management Plan (Yuma RMP). [Online] Located at: http://www.blm.gov/az/st/en/info/nepa/environmental_library/arizona_resource_management/YFO/YFO-ROD.html. Accessed March, 2016.

County of, Yuma. 2020 Comprehensive Plan Adopted in 2012, and updated in 2015. [Online] Located at: <http://www.yumacountyaz.gov/departments-and-services/development-services/laws-guidelines/2020-comprehensive-plan> Accessed May, 2016.

EXHIBIT G

CONCEPTS OF TYPICAL FACILITIES

As stated in the Arizona Administrative Code, Title 14, Chapter 3, Article 2:

“Attach any artist's or architect's conception of the proposed plant or transmission line structures and switchyards, which applicant believes may be informative to the Committee.”

The following drawings are included:

Exhibit G-1, Transmission Line Structure Types

Exhibit G-2, Plan and Profile of Proposed Gen-tie

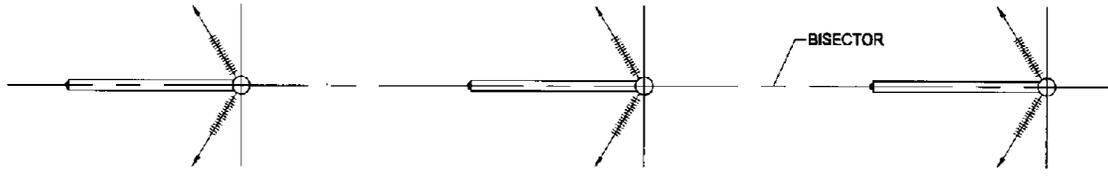
Exhibit G-3, Solar Site Substation General Arrangement

Exhibit G-4, Step-up Substation General Arrangement

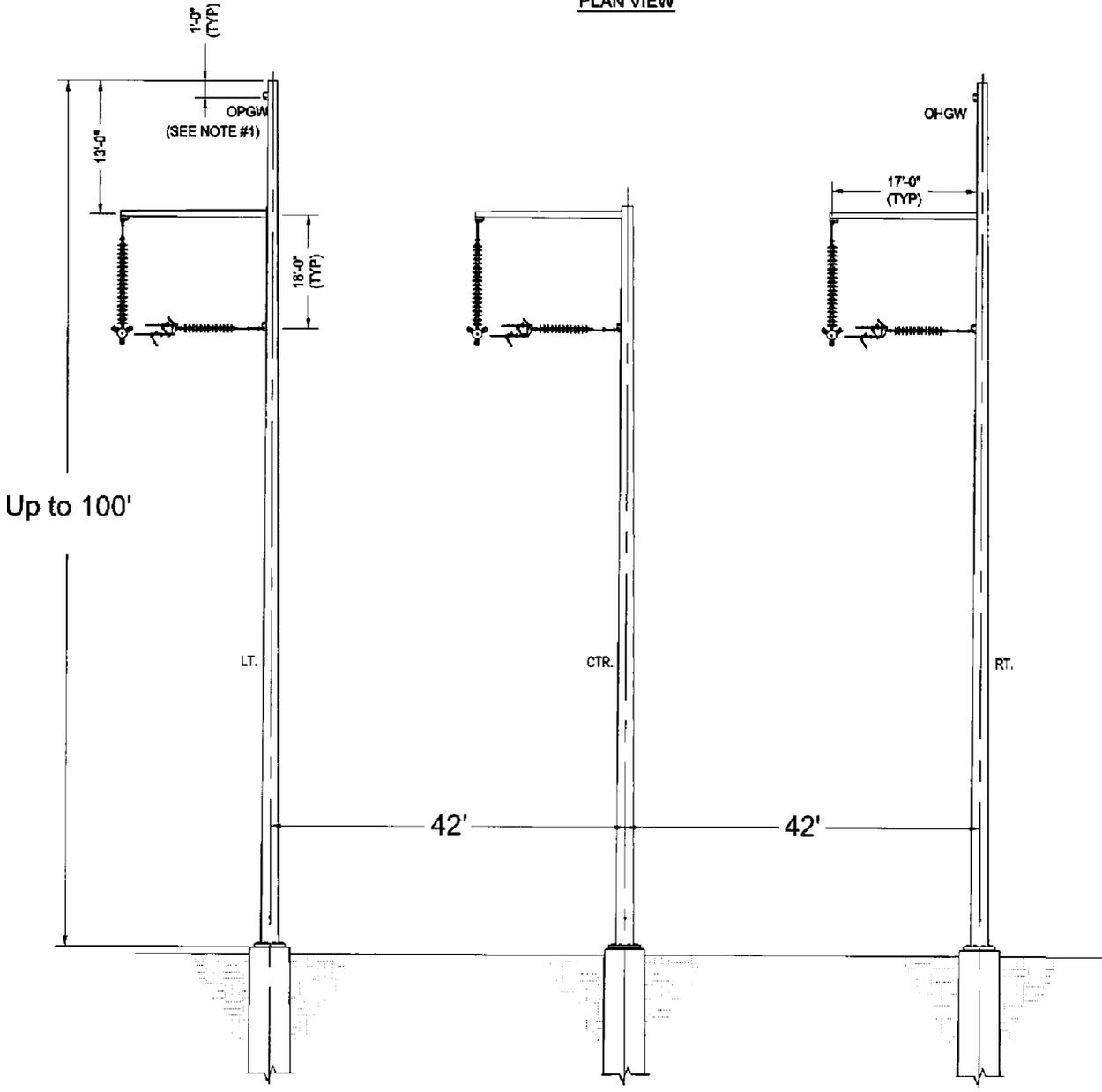
Exhibit G-5, Typical A-Frame Structure located within Substations

THIS DRAWING WAS PREPARED BY POWER ENGINEERS, INC. FOR A SPECIFIC PROJECT, TAKING INTO CONSIDERATION THE SPECIFIC AND UNIQUE REQUIREMENTS OF THE PROJECT. REUSE OF THIS DRAWING OR ANY INFORMATION CONTAINED IN THIS DRAWING FOR ANY PURPOSE IS PROHIBITED UNLESS WRITTEN PERMISSION FROM BOTH POWER AND POWER'S CLIENT IS GRANTED.

REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD



PLAN VIEW

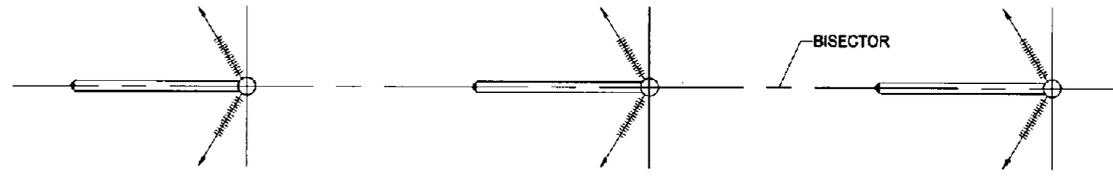


White Wing Str Drawings_working.dwg

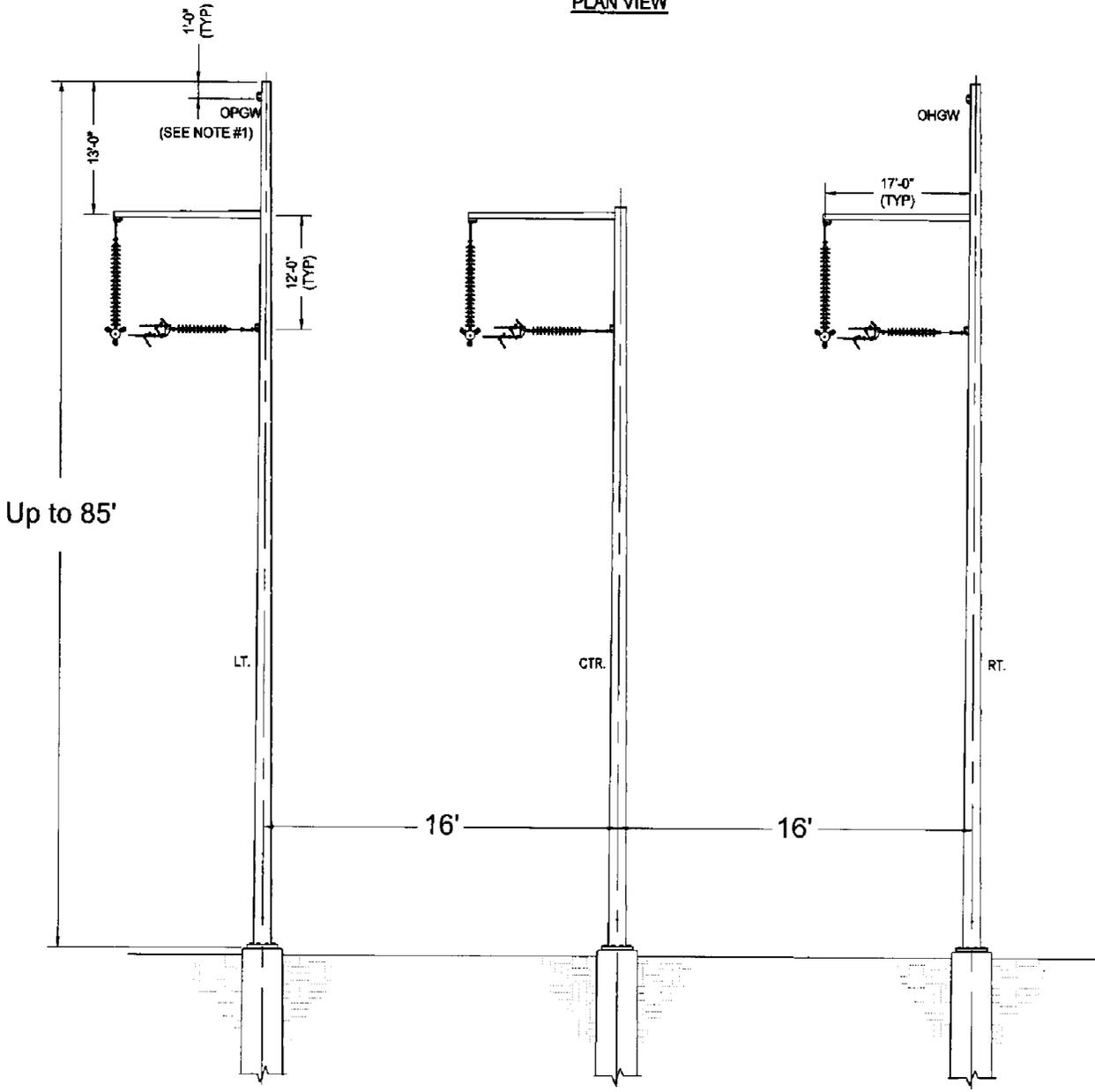
REFERENCE DRAWINGS	DSGN	CS	06/09/16		FIRST SOLAR	JOB NUMBER	REV
	DRN	CM	06/09/16		WHITE WING SOLAR PROJECT	141032	△
	CKD	GK			500KV GENTIE		
	SCALE:				3-POLE DEADEND	Figure G-1b	
	FOR 8 5x11 DWG ONLY						

THIS DRAWING WAS PREPARED BY POWER ENGINEERS, INC. FOR A SPECIFIC PROJECT, TAKING INTO CONSIDERATION THE SPECIFIC AND UNIQUE REQUIREMENTS OF THE PROJECT. REUSE OF THIS DRAWING OR ANY INFORMATION CONTAINED IN THIS DRAWING FOR ANY PURPOSE IS PROHIBITED UNLESS WRITTEN PERMISSION FROM BOTH POWER AND POWER'S CLIENT IS GRANTED.

REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD



PLAN VIEW



White Wing Str Drawings_working.dwg

DSGN	CS	08/09/16	
DRN	CM	08/09/16	
CKD	GK		
SCALE:			
REFERENCE DRAWINGS			



FIRST SOLAR	JOB NUMBER	REV
WHITE WING SOLAR PROJECT	141032	△
115KV GENTIE		
3-POLE DEADEND	Figure G-1f	

FOR 8.5x11 DWG ONLY

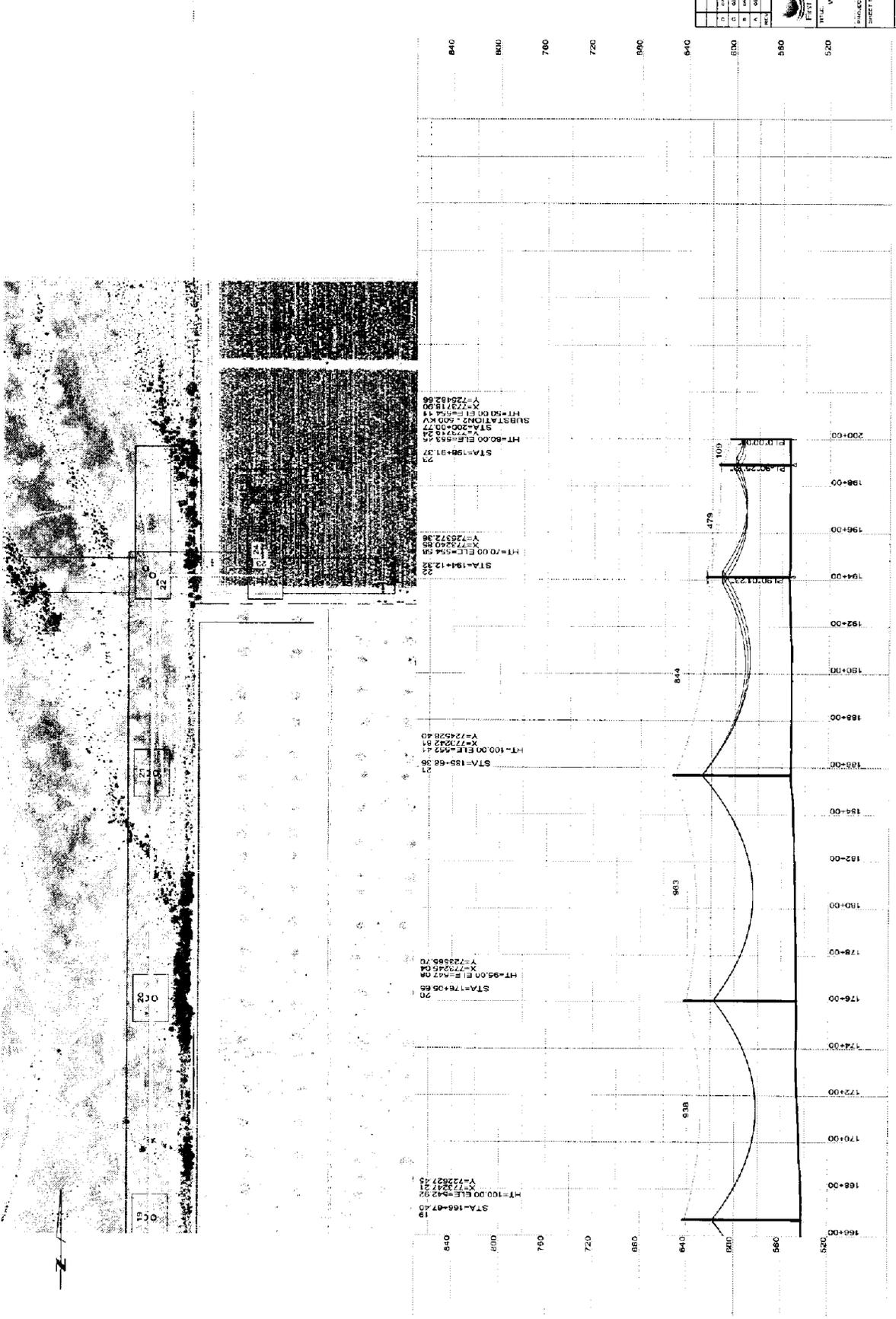


Figure G-2

NO.	DATE	DESCRIPTION	BY	CHECKED
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2	08/11/2016	ISSUED FOR PERMIT	JL	MS
3	08/11/2016	ISSUED FOR PERMIT	JL	MS
4	08/11/2016	ISSUED FOR PERMIT	JL	MS
5	08/11/2016	ISSUED FOR PERMIT	JL	MS

PROJECT NO.	WIND RANCH GEN-TIE-1M
PROJECT NAME	WIND RANCH GEN-TIE-1M
PROJECT COST	
DATE OF CONTRACT	
DATE OF THIS DRAWING	08/11/2016
SCALE	AS SHOWN
DESIGNED BY	JL
CHECKED BY	MS
DATE OF CHECK	08/11/2016
PROJECT LOCATION	WIND RANCH GEN-TIE-1M
PROJECT CITY	PHOENIX, AZ
PROJECT STATE	ARIZONA, USA
PROJECT COUNTY	AVILA COUNTY, ARIZONA
PROJECT ZIP	85646
PROJECT ELEVATION	5200 FT
PROJECT AREA	100 AC
PROJECT PERMIT NO.	WIND RANCH GEN-TIE-1M
PROJECT PERMIT DATE	08/11/2016
PROJECT PERMIT EXPIRES	08/11/2018
PROJECT PERMIT ISSUED BY	AVILA COUNTY, ARIZONA
PROJECT PERMIT CONTACT	AVILA COUNTY, ARIZONA
PROJECT PERMIT CONTACT PHONE	(520) 425-1111
PROJECT PERMIT CONTACT FAX	(520) 425-1111
PROJECT PERMIT CONTACT EMAIL	AVILA@AVILA.COUNTY.AZ.GOV
PROJECT PERMIT CONTACT WEBSITE	WWW.AVILA.COUNTY.AZ.GOV

PROJECT NO.	WIND RANCH GEN-TIE-1M
PROJECT NAME	WIND RANCH GEN-TIE-1M
PROJECT COST	
DATE OF CONTRACT	
DATE OF THIS DRAWING	08/11/2016
SCALE	AS SHOWN
DESIGNED BY	JL
CHECKED BY	MS
DATE OF CHECK	08/11/2016
PROJECT LOCATION	WIND RANCH GEN-TIE-1M
PROJECT CITY	PHOENIX, AZ
PROJECT STATE	ARIZONA, USA
PROJECT COUNTY	AVILA COUNTY, ARIZONA
PROJECT ZIP	85646
PROJECT ELEVATION	5200 FT
PROJECT AREA	100 AC
PROJECT PERMIT NO.	WIND RANCH GEN-TIE-1M
PROJECT PERMIT DATE	08/11/2016
PROJECT PERMIT EXPIRES	08/11/2018
PROJECT PERMIT ISSUED BY	AVILA COUNTY, ARIZONA
PROJECT PERMIT CONTACT	AVILA COUNTY, ARIZONA
PROJECT PERMIT CONTACT PHONE	(520) 425-1111
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PROJECT PERMIT CONTACT EMAIL	AVILA@AVILA.COUNTY.AZ.GOV
PROJECT PERMIT CONTACT WEBSITE	WWW.AVILA.COUNTY.AZ.GOV

200.0 FT. HORIZ SCALE
100.0 FT. VERT SCALE

ACCESS ROAD
WORK AREA
STRINGING/
PULLING SITE

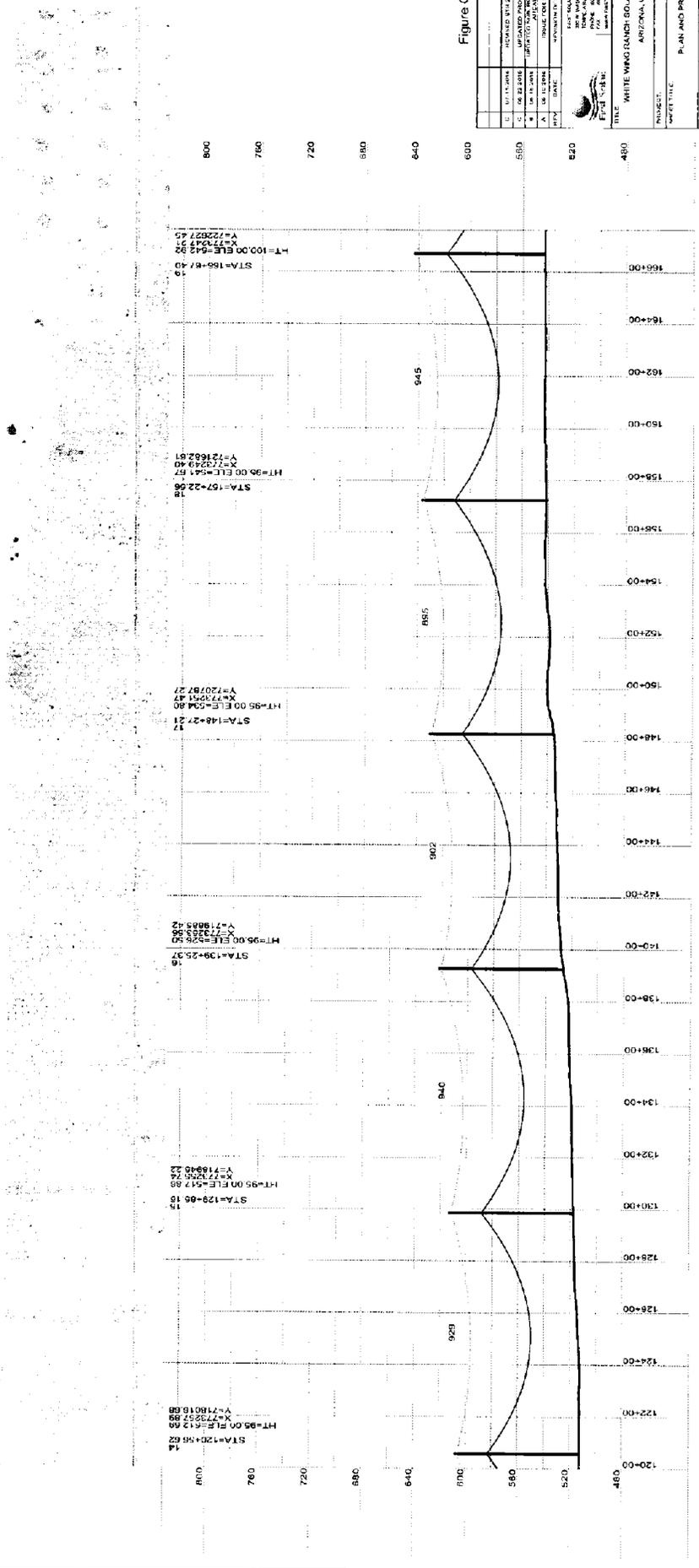
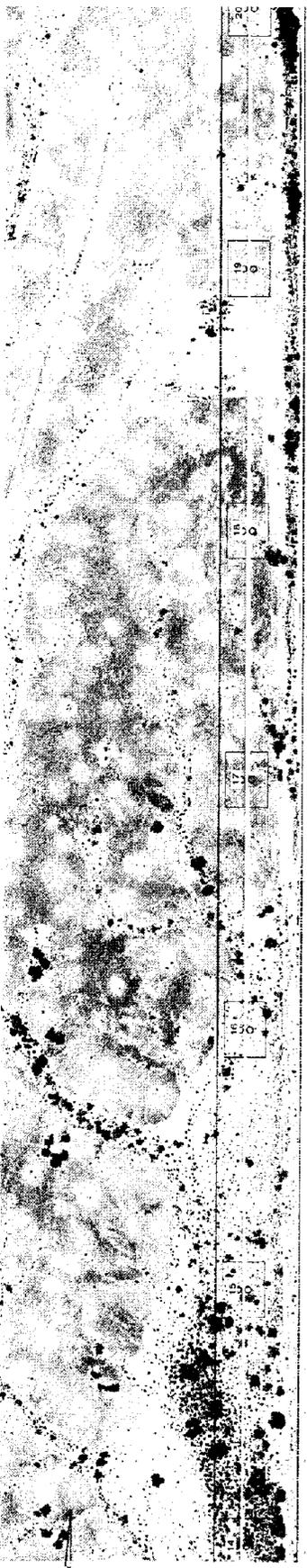


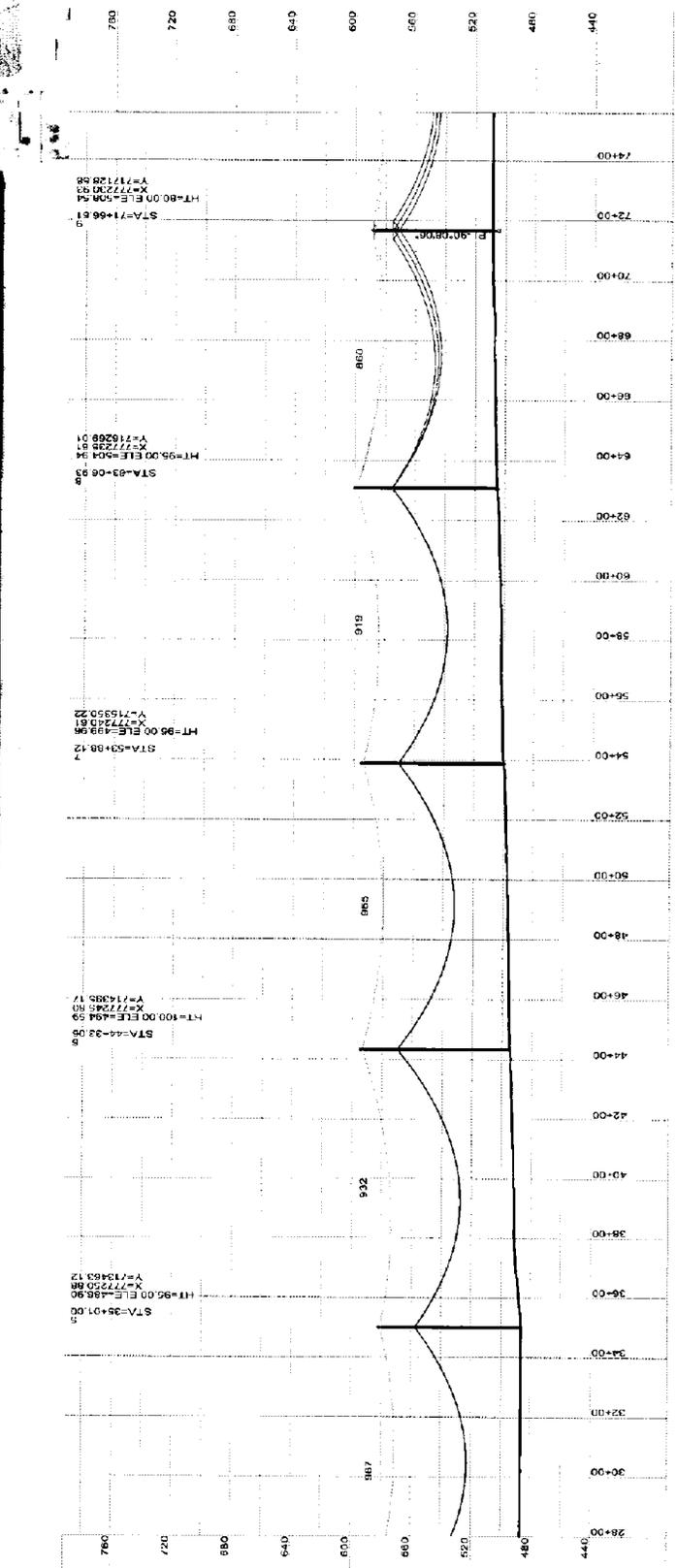
Figure G-2

NO.	DESCRIPTION	DATE	BY	CHECKED
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2	ISSUED FOR PERMITS	08/14/2018	J. GARDNER	
3	ISSUED FOR PERMITS	08/14/2018	J. GARDNER	
4	ISSUED FOR PERMITS	08/14/2018	J. GARDNER	
5	ISSUED FOR PERMITS	08/14/2018	J. GARDNER	
6	ISSUED FOR PERMITS	08/14/2018	J. GARDNER	
7	ISSUED FOR PERMITS	08/14/2018	J. GARDNER	
8	ISSUED FOR PERMITS	08/14/2018	J. GARDNER	
9	ISSUED FOR PERMITS	08/14/2018	J. GARDNER	
10	ISSUED FOR PERMITS	08/14/2018	J. GARDNER	

PROJECT:	WHITE WIND RANCH GO-LAR PROJECT 880' RV
CLIENT:	ARIZONA, USA
DATE:	08/14/2018
SCALE:	AS SHOWN
PROJECT CODE:	PL-001/01
PROJECT NAME:	WHITE WIND RANCH GO-LAR PROJECT 880' RV
PROJECT LOCATION:	ARIZONA, USA
PROJECT NUMBER:	PL-001/01
PROJECT DATE:	08/14/2018
PROJECT STATUS:	ISSUED FOR PERMITS
PROJECT TYPE:	ROAD
PROJECT PHASE:	PERMITS
PROJECT DESIGNER:	J. GARDNER
PROJECT CHECKER:	J. GARDNER
PROJECT APPROVER:	J. GARDNER
PROJECT REVIEWER:	J. GARDNER
PROJECT REVISION:	

200.0 FT. HORIZ. SCALE
10.0 FT. VERT. SCALE

ACCESS ROAD
WORK AREA
STRIKING/ PULLING SITE



200.0 FT. HORIZ. SCALE
1" = 200.0 FT.
VERT. SCALE
1" = 4.0 FT.

ACCESS ROAD
WORK AREA
STRINGING/
PULLING SITE

Figure G-2

NO.	DATE	REVISION DESCRIPTION	BY	CHK
D	11/14/11	ISSUED PER LOCATION	MS	
C	11/14/11	UNLIMITED PROJECT TITLE	MS	
B	11/14/11	ADDED NOTES & WORK	MS	
A	11/14/11	ADDED PLAN VIEW	MS	

PROJECT	WHITE WING RANCH SOLAR PROJECT 800 RW
SHEET TITLE	ARIZONA, USA
CLIENT	White Wing Ranch Solar Project
DESIGNER	White Wing Ranch Solar Project
PROJECT NO.	800 RW
DATE	11/14/11

REVISIONS:

NO.	DATE	DESCRIPTION
1	08/11/11	ISSUED FOR PERMIT
2	08/11/11	ISSUED FOR PERMIT
3	08/11/11	ISSUED FOR PERMIT
4	08/11/11	ISSUED FOR PERMIT
5	08/11/11	ISSUED FOR PERMIT
6	08/11/11	ISSUED FOR PERMIT
7	08/11/11	ISSUED FOR PERMIT
8	08/11/11	ISSUED FOR PERMIT
9	08/11/11	ISSUED FOR PERMIT
10	08/11/11	ISSUED FOR PERMIT

- LEGEND:**
- DOWN LINE TRENCH
 - CONCRETE TRENCH - PROTECTIVE BARS
 - SAFETY SIGN

NOTES:

1. TRANSFORMER FOUNDATIONS SHALL VIBRATE OR CONTAMINATE WITH A SHARP OR RING BE SCHEDULED WITH PERMITTING AGENCY.
2. ALL FOUNDATION SHALL BE CONCRETE AND SHALL BE CAST AT EACH CORNER OF THE FOUNDATION AND SHALL BE CAST WITH REINFORCING BARS.
3. ALL FOUNDATION SHALL BE CAST WITH REINFORCING BARS.
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10. ALL FOUNDATION SHALL BE CAST WITH REINFORCING BARS.

**PRELIMINARY
NOT FOR
CONSTRUCTION**

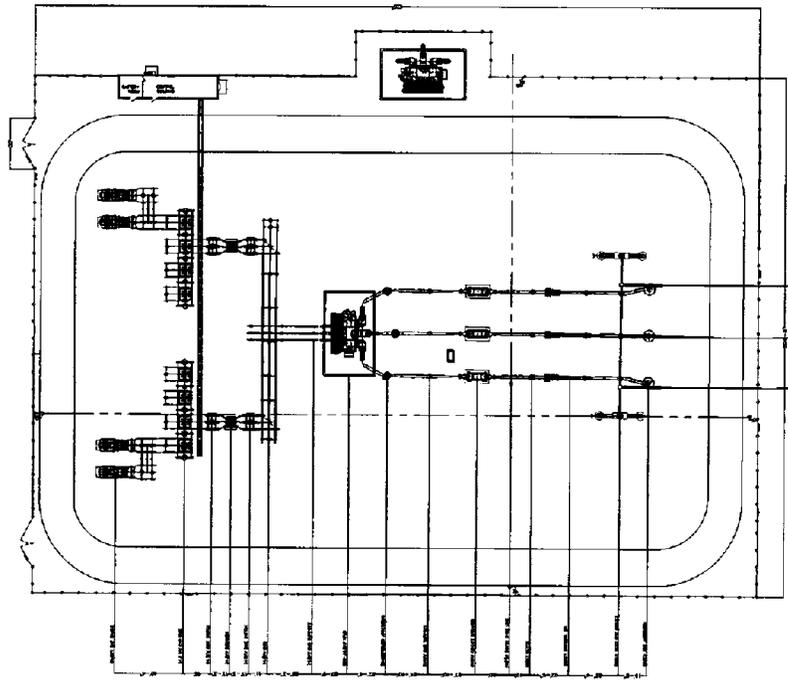


Figure G-3

NO.	DATE	REVISION DESCRIPTION	BY	CHK
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4	08/11/11	ISSUED FOR PERMIT		
5	08/11/11	ISSUED FOR PERMIT		
6	08/11/11	ISSUED FOR PERMIT		
7	08/11/11	ISSUED FOR PERMIT		
8	08/11/11	ISSUED FOR PERMIT		
9	08/11/11	ISSUED FOR PERMIT		
10	08/11/11	ISSUED FOR PERMIT		

WHITE WIND GEN-TIE PROJECT

PROJECT NO. WWR SS400

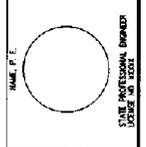
PROJECT NAME: WHITE WIND GEN-TIE PROJECT

PROJECT LOCATION: ARIZONA, USA

STATE PROFESSIONAL ENGINEER: WWR SS400

DATE: 08/11/11

SCALE: 1" = 100'



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PRELIMINARY

GENERAL NOTES:

1. FOUNDATION FOOTINGS SHALL BE CONCRETE WITH A SUMP TO BE REMOVED WITH PORTLAND CEMENT.
2. ALL FOUNDATION FOOTINGS SHALL BE CONCRETE WITH A SUMP TO BE REMOVED WITH PORTLAND CEMENT.
3. ALL FOUNDATION FOOTINGS SHALL BE CONCRETE WITH A SUMP TO BE REMOVED WITH PORTLAND CEMENT.
4. ALL FOUNDATION FOOTINGS SHALL BE CONCRETE WITH A SUMP TO BE REMOVED WITH PORTLAND CEMENT.
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9. ALL FOUNDATION FOOTINGS SHALL BE CONCRETE WITH A SUMP TO BE REMOVED WITH PORTLAND CEMENT.
10. ALL FOUNDATION FOOTINGS SHALL BE CONCRETE WITH A SUMP TO BE REMOVED WITH PORTLAND CEMENT.

LEGEND:

- OWNERS FENCE
- CONCRETE FOUNDATION - RESTRICTION BAND
- CONCRETE FLOOR - FINISH FLOOR
- FORM

NOTES:

1. FOUNDATION FOOTINGS SHALL BE CONCRETE WITH A SUMP TO BE REMOVED WITH PORTLAND CEMENT.
2. ALL FOUNDATION FOOTINGS SHALL BE CONCRETE WITH A SUMP TO BE REMOVED WITH PORTLAND CEMENT.
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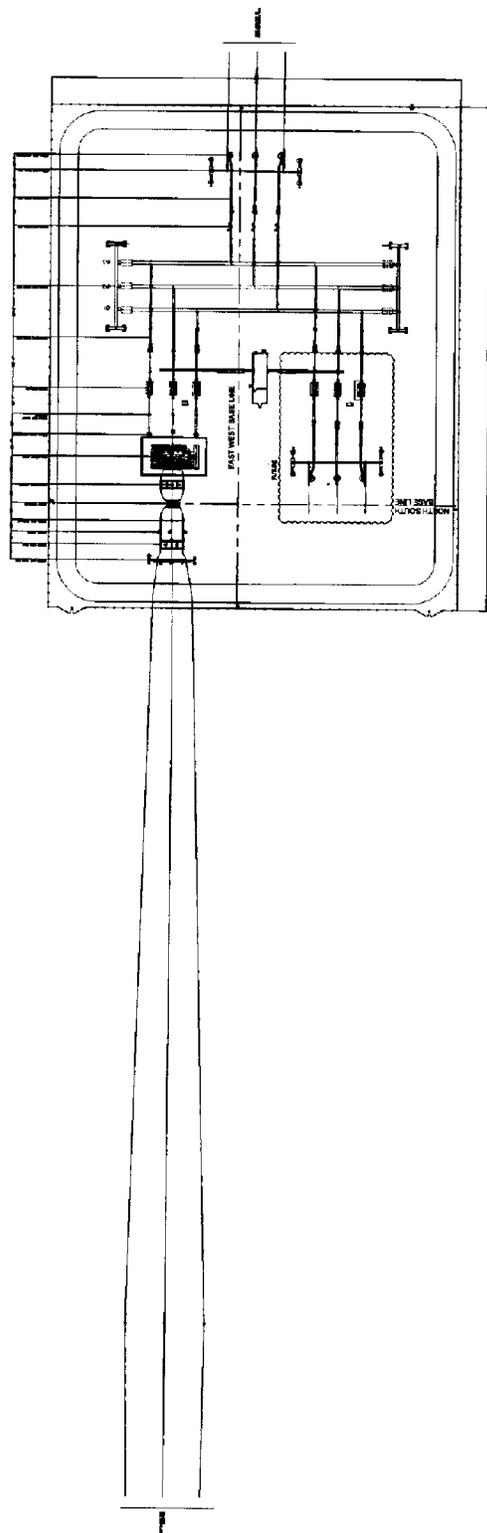


Figure G-1

NO.	DATE	REVISION DESCRIPTION	BY	CHK
1	5-31-2006	ISSUE FOR PERMIT	HEJ	
2	8-14-2006	ADD WORKING LINE FROM WHITE PRINTS	HEJ	

WHITE WING GEN-TIE PROJECT
 YUMA COUNTY
 PIONEER, USA

PROJECT NO. SUS 88400
 SHEET NO. A

THE PRINT IS NOT TO BE USED FOR CONSTRUCTION UNLESS NOTED AND SIGNED BY THE ARCHITECTURAL ENGINEER LAST IN SERIAL.

THE ARCHITECT ASSUMES NO LIABILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.

SCALE IN FEET
 1" = 20'-0"

SCALE IN METERS
 1" = 30.48m

SUS 88400
 SHEET NO. A

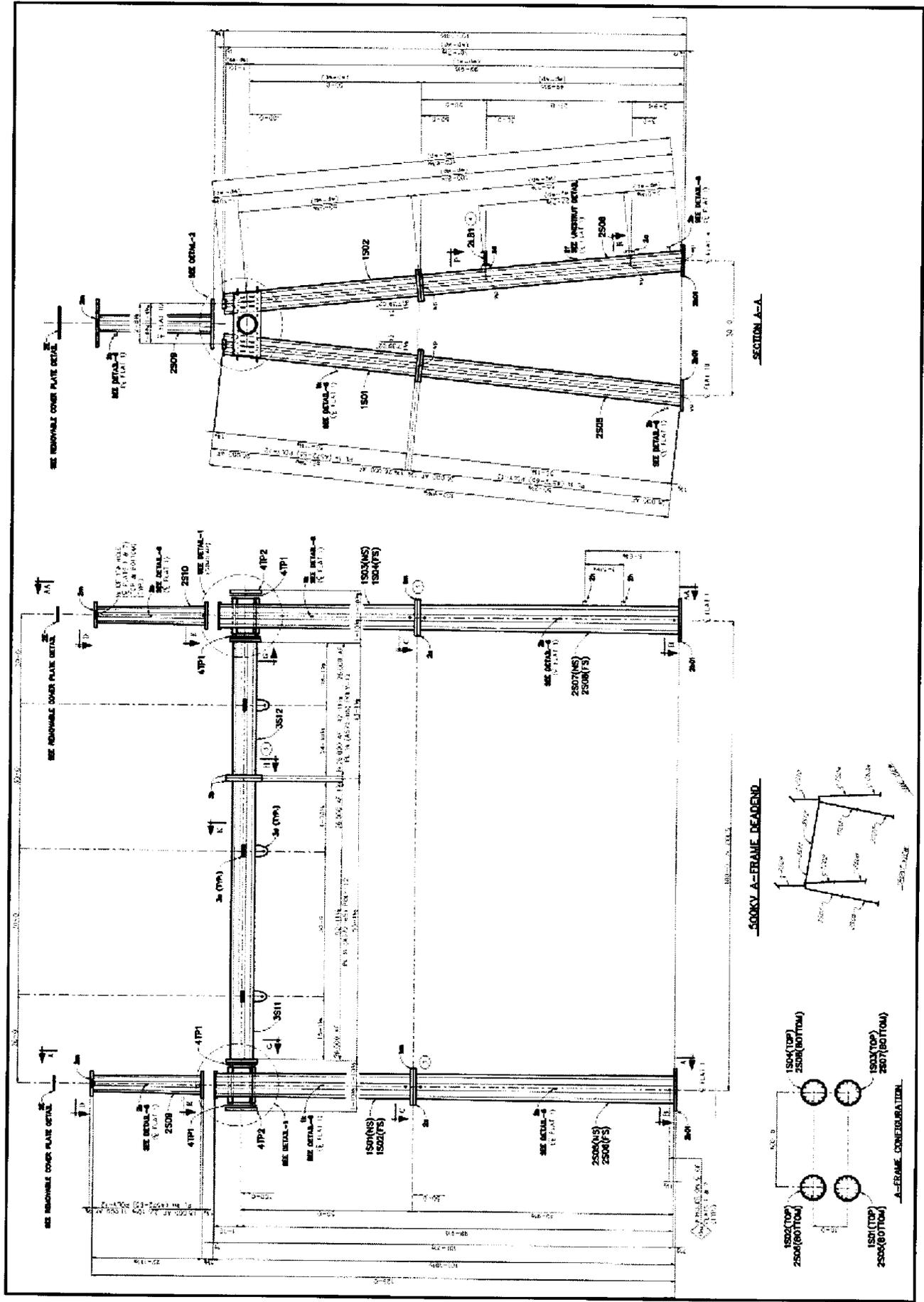


Figure G-5
Typical Tubular Steel A-Frame Structure

EXHIBIT H

EXISTING PLANS

As stated in the Arizona Administrative Code, Title 14, Chapter 3, Article 2:

“To the extent Applicant is able to determine, state the existing plans of the state, local government, and private entities for other developments at or in the vicinity of the proposed site or route.”

The Project is located primarily on BLM-administered federal lands. The Project endpoints are located on private lands under the jurisdiction of Yuma County.

LOCAL AND STATE GOVERNMENT PLANS

The relevant plans of Yuma County for the lands in the vicinity of the Project are described in **Exhibit A** to this Application. The proposed Project is consistent with both the applicable Yuma County Plans and the two Special Use Permits (SUPs) issued by Yuma County for the solar development and associated infrastructure for the existing Agua Caliente Solar Project and the approved White Wing Solar Project (“Solar Facility”). The proposed Project does not cross Arizona State Lands, though some do occur in the general area.

FEDERAL GOVERNMENT PLANS

The Project would cross approximately 3.5 miles of BLM-administered lands. The northern portion of the BLM- administered lands crossed by the Project has been designated for solar energy development as the Agua Caliente Solar Energy Zone (SEZ). The southern portion of the BLM- administered lands crossed by the Project has been designated as a utility corridor – a preferred location for linear utility rights-of-way (ROWs). The proposed Project is consistent with both of these BLM land management plans.

PRIVATE ENTITY PLANS

Residential Development

There is one existing plan for residential development within the vicinity of the Project. In 1997, F&F Capital Investments, LLC, filed a replat for an area about one-half mile south of the Project Site that is referred to as the Dateland Ranch Subdivision (see **Figure H-1, Subdivisions**). This subdivision was identified previously through the Yuma County Department of Development Services Internet Mapping and discussions with County staff. It was filed with Yuma County as license No. 97-00541 and the 3,200-acre property was subdivided into 81 40-acre parcels reserved for residential, recreational, or agricultural purposes. Individual owners cannot re-subdivide their 40-acre parcel. No development of this property has yet occurred.

Utilities

The existing Hoodoo Wash Substation is the southern terminus of the proposed Project. There are two existing 500 kV transmission lines located immediately south of the Hoodoo Wash Substation. The Palo Verde -North Gila #1 500kV transmission line connects into Hoodoo Wash and the Palo Verde – North Gila #2 500 kV transmission line parallels this line but currently does not interconnect into Hoodoo Wash.

The existing Agua Caliente Solar Project is immediately north of the Hoodoo Wash Substation and east and north of the proposed Project. The approved Solar Facility is north and east of the Solar Site Substation that is the northern terminus of this Project.

The BLM-administered land immediately west of the proposed Project has been designated for solar development as the Agua Caliente Solar Energy Zone (SEZ).

POTENTIAL EFFECTS

The proposed Project is compatible with the existing, approved, and potential additional solar development in the immediate vicinity. The one potential private residential development planned near the Project is not actively being developed and it is unknown when or if it will be developed in the future.

Therefore, the Project will be compatible with all government and private plans in the area.

REFERENCES

Bureau of Land Management (BLM). 2010. Yuma Field Office Record of Decision and Approved Resource Management Plan (Yuma RMP). [Online] Located at: http://www.blm.gov/az/st/en/info/nepa/environmental_library/arizona_resource_management/YFO/YFO-ROD.html. Accessed March, 2016.

BLM. 2013. Record of Decision (ROD) for the Arizona Restoration Design Energy Project (RDEP). [Online] Located at: http://www.blm.gov/az/st/en/prog/energy/arra_solar/docs.html.

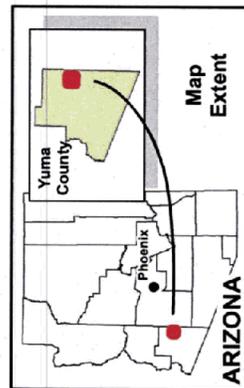
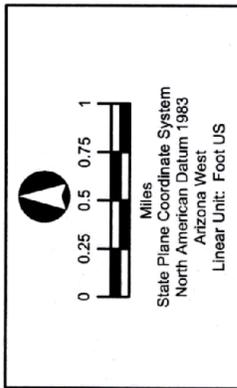
County of, Yuma. 2020 Comprehensive Plan Adopted in 2012, and updated in 2015. [Online] Located at: <http://www.yumacountyaz.gov/departments-and-services/development-services/laws-guidelines/2020-comprehensive-plan> Accessed May, 2016.

County of, Yuma. Yuma County Zoning Ordinance. Adopted in 2006, and updated through February 2016. [Online] Located at: <http://www.yumacountyaz.gov/home/showdocument?id=26467> Accessed May, 2016.

County of, Yuma. Yuma, AZ Profile. Arizona Commerce Authority. 2016. [Online] Located at:
<http://www.azcommerce.com/a/profiles/ViewProfile/16/Yuma+County/> Accessed May,
2016.

Legend

- ▲ Existing Substation
- Proposed Gen-tie
- Existing 500 kV Transmission Line
- Railroad
- Proposed Gen-Tie ROW - 300 ft
- Project Study Area (2-mile Buffer)
- Approved White Wing Solar Project
- Township / Range Boundary
- Section Boundary
- County Boundary
- Subdivision
- Jurisdictional Land Ownership
 - Bureau of Land Management Land
 - State Land



WHITE WING GEN-TIE PROJECT

Figure H-1 - Subdivisions

Map Extent: Yuma County, Arizona

Date: 07.11.16

Author: inc



R11W

R13W

T6S

T5S

T6S

EXHIBIT I

ANTICIPATED NOISE / INTERFERENCE WITH COMMUNICATION SIGNALS

As stated in the Arizona Administrative Code, Title 14, Chapter 3, Article 2:

"Describe the anticipated noise emission levels and any interference with communication signals which will emanate from the proposed facilities."

INTRODUCTION

The proposed Project is located in a remote area of unincorporated eastern Yuma County containing primarily agriculture, existing solar projects, and substantial electrical infrastructure. Yuma County does not have an applicable noise ordinance for this area.

A noise evaluation was conducted to determine the potential noise impacts that would be generated from the operation of the proposed Project. The noise that would be generated by the Project was calculated to determine what sound would be evident at the Project boundary and at the nearest sensitive receptors within the vicinity of the Project.

For measuring sound levels in ordinary environments, A-weighted (dBA) correction factors are employed. The A-weighted scale is used in most common sound level (noise) ordinances and standards. Environmental sound levels are generally described and evaluated in the following ways:

- The equivalent sound pressure level (Leq) is defined as the average sound level, on an energy basis, for a stated period of time (e.g., hourly) at a given location.
- The Ldn is the day/night sound level that was adopted by the Environmental Protection Agency (EPA) as a measure of community sound level. The EPA defines Ldn as the average A-weighted sound level for a 24-hour period. Nighttime sound levels (10:00 p.m. to 7:00 a.m.) are increased by a 10 dB weighting factor, to account for the public's sensitivity to nighttime sound levels when most people are sleeping. The daytime (7:00 a.m. to 10:00 p.m.) energy average sound level is added to a weighted (+10 dB) mean nighttime level. The Ldn meets the EPA requirements for a description of cumulative sound level exposure, in particular the requirement that it be easily measured with simple, relatively inexpensive equipment.
- The EPA has established sound levels that are identified as protective of public health and welfare. The EPA identified Ldn of 55 dB for residential areas as an outdoor sound level above which the public health and welfare will be affected (EPA 1974).
- Typical day-night sound levels in urban areas range from 68 to 90 dB; suburban areas average 50 dB; and rural range from 40 dB to 50 dB depending on the type of rural area.

For purposes of general comparison, **Table I-1** lists the average sound level of various sources as defined by the EPA.

Location	Sound Level (dB)
Inside an Average Residence	45
Light Traffic at 100 feet	50
Inside a Private Business	52
Inside a Large Store	60
Traffic near a Freeway	65
Normal Conversation (@ 3 feet)	65
Freight Train at 100 feet	75

Source: EPA

EXISTING SOUND LEVELS

The existing ambient noise in the vicinity of the Project Site varies depending on distance from some of the existing noise sources in the area. The existing Agua Caliente Solar Project does not generate significant operational noise, as it has no moving parts. The existing transmission infrastructure in the area likewise only has minor contributions to noise in the area.

Therefore, the ambient noise in the vicinity of the Project is 40 dB to 50 dB, typical of rural areas where agricultural activities are the most common use. These are daytime averages and can be higher or lower depending on the presence and proximity of significant rural noise sources such as farm equipment.

The most common noise source in the area is from agricultural equipment. The most significant source of local noise in the area was previously generated by the railroad located at the southern boundary of the Project Site. However, this railroad has not been in operation for several years.

NOISE IMPACTS FROM PROPOSED PROJECT

The noise impacts generated from the Project would occur primarily during construction. Construction noise would be generated during site preparation and construction of the Project Substation, erection of the Gen-tie Line support structures, and stringing of the conductors. Noise impacts during operations would be limited.

Construction

Noise generated during the construction phase would result from the operation of construction equipment and vehicles. **Table I-2** presents typical noise levels for construction equipment at a distance of 15 meters (45 feet). These values assume the equipment is operating at full power.

The typical noise 45 feet from a construction site would be 85 dBA because the construction equipment can be spread throughout a construction site and may not be operating concurrently. This value and the data presented above indicate that there will be a temporary increase in ambient noise that will be limited to the construction phase of the Project. The propagation of noise depends on many factors, including atmospheric conditions, ground cover, and the presence of any natural or man-made barriers. As a general rule, noise decreases by approximately 6 dBA with every doubling of the distance from the source. Therefore, noise levels at various distances from the construction site can be predicted and are shown in **Table I-3**.

TABLE I-2 - TYPICAL CONSTRUCTION NOISE LEVELS

Equipment Category	Noise Level at 45 ft (dBA)
Dump Truck	88
Portable Rock Drill	88
Concrete Mixer Truck	85
Pneumatic tool	85
Grader	85
Front-End Loader	84
Mobile Crane	83
Excavator	82
Backhoe	81
Dozer	78
Generator	78

TABLE I-3 - PREDICTED NOISE NEAR CONSTRUCTION ACTIVITIES

Distance from construction site (feet)	Predicted Noise Level (dBA)
45	85
90	79
180	73
360	67
720	61
1440	55

Construction noise generated by the Project would be intermittent in nature and would be temporary – only during the construction period. Construction of the Project is expected to take 4 to 8 months.

The nearest noise receptor (residence) is approximately 1.5 miles from the Project Site. At this distance, the construction noise from the Project will be imperceptible and at or near the background levels in the area. The actual noise level at any given time will vary with distance and wind direction and velocity.

Nearly all construction of the Project would occur during daylight hours. Noise impacts from construction are expected to be minor and short in duration.

Operations

The operational noise profile of the Project would be limited. Providing the interconnection for the Solar Facility, the Gen-tie Line, Solar Site Substation, and Step-up Substation would all operate during daytime hours when the sun is available to generate power. Therefore, except for minimal noise that could be generated by emergency maintenance, they would not affect night time sound levels.

The nearest noise receptors (residences) are over 1.5 miles from the Project. At this distance, any operational noise generated will be imperceptible and at or near the background levels in the area.

CONCLUSIONS

The impact from the Project on the sound levels in the area would be minimal. In addition, the nearest noise receptor (residence) is approximately 1.5 miles away.

The noise impact to people traveling on Palomas / Hyder Road (the nearby public road) would be imperceptible since people on the road would be in their vehicles and because of the low sound levels generated by the Project. Therefore, noise levels produced by the Project would be similar to background noise levels for this area.

The noise generated by the operational phase of the Project would be less than background noise levels at the nearest receptors.

Therefore, construction and operation of the proposed Project will not have a perceptible noise impact to residences or other potential receptors in the vicinity.

This Project is also not expected to generate interference with communication signals because of its remote location, because of the shortness of the Gen-tie Line, because of the presence of multiple existing high-voltage transmission lines in the immediate vicinity, and because it would not be near any residences.

REFERENCES

Environmental Protection Agency (EPA) 1974. Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety. Office of Noise Abatement and Control. EPA 550/9-74-004. March. Community Noise.

EXHIBIT J

SPECIAL FACTORS

As stated in the Arizona Administrative Code, Title 14, Chapter 3, Article 2:

“Describe any special factors not previously covered herein, which Applicant believes to be relevant to an informed decision on its application.”

The Applicant has initiated a public / stakeholder outreach process as part of the development of the Project. This effort is being conducted in addition to the public outreach that was implemented for the White Wing Solar Project (“Solar Facility”), which also included extensive outreach efforts to distribute information and solicit input from the public and interested stakeholders as part of Yuma County’s process for approving the Special Use Permit (SUP) for the Solar Facility.

CITIZEN PARTICIPATION FOR THE SOLAR ENERGY FACILITY

White Wing Ranch North, LLC developed and implemented a public outreach program associated with the Yuma County Special Use Permit (SUP) process for the Solar Facility. The SUP was approved for the Solar Facility by the Yuma County Board of Supervisors in March of 2016. The public outreach program for the SUP process included the following activities:

- A mailing notice outlining the SUP process and the community meeting to be held on October 13, 2015, was sent to interested parties and property owners within 10 miles of the Solar Facility site.
- A community meeting was held at the Dateland Elementary School for the Solar Facility.

PUBLIC / STAKEHOLDER OUTREACH PROGRAM FOR THE GEN-TIE PROJECT

One of the primary goals of the public / stakeholder outreach program for the Gen-tie Project was to identify stakeholder issues and concerns specific to the development of the Project and the subjects of this CEC Application. To complete this process, a number of efforts have been implemented.

- **Project 1-800 number:** The Gen-tie Project established and is maintaining a 1-800 number that is used to respond to questions and obtain comments from the public. The Project phone number is 1 (844) 649-4613.
- **Photographic Simulation:** A photographic simulation using a 3-Dimensional (3D) model of the Project has been developed to provide stakeholders and the general public a sense of the size, scale, and setting of the Project.

- **Comment Forms:** Comment forms were utilized at the Open House public meeting to take written comments.
- **Public Comment Tracking Database:** The Applicant has created a database for documenting contacts with the public that will be maintained through construction. Contact records identify the name, contact information, topic(s) of discussion, and follow-up action needed and taken.
- **Project Website:** The Applicant has created a website to notify the public of all hearing dates and technical information regarding the Project. The website is: www.WhiteWingGen-tie.com

All stakeholders requesting a response will be contacted to provide the requested information. A thorough record of all contacts and response actions are provided in **Appendix J-1**.

Open House

An Open House was conducted on June 7, 2016 at the Dateland Elementary School. This Open House allowed the public to have informal, one-on-one conversations with Project representatives and express concerns, provide input, and receive answers to their questions. Comment forms were made available for all attendees.

Notice for the Open House was provided as follows:

- Notice of the Open House was published in the Yuma Sun in the May 29 and June 5, 2016 editions of the newspaper, which serves the communities in Yuma County including the vicinity of the Project.
- Individual mailings providing notice of the Open House were made to interested parties and property owners. The mailing list for this notice included everyone that was part of the previous mailings associated with the Solar Facility which included the property owners within 10-miles of the proposed Project.

The invitations for the Open House, newspaper advertisements, and mailing list have been included in **Appendix J-1**.

Appendix J-1
Stakeholder Outreach Materials

Meeting Notices

AFFP

PUBLIC NOTICE White Wing Ran

Affidavit of Publication

STATE OF ARIZONA }
COUNTY OF YUMA } SS

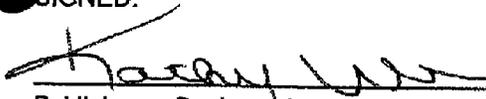
Lisa Reilly or Kathy White, being duly sworn, says:

That she is Publisher or Business Manager of the Yuma Sun, a daily newspaper of general circulation, printed and published in Yuma, Yuma County, Arizona; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

May 29, 2016, June 05, 2016

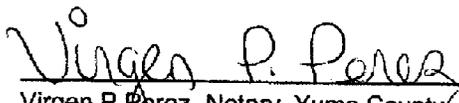
That said newspaper was regularly issued and circulated on those dates.

SIGNED:



Publisher or Business Manager

Subscribed to and sworn to me this 5th day of June 2016.



Virgen P Perez, Notary, Yuma County, Arizona

My commission expires: May 10, 2017



00017692 00093213

Leslie McFadden
KP Environmental
2160 Oxford Ave
Cardiff by the sea , CA 92007

PUBLIC NOTICE

White Wing Ranch North, LLC, a subsidiary of First Solar, is proposing to build a 210 megawatt solar electric generating project using photovoltaic (PV) technology near Dateland and Hyder, Arizona. The proponent is conducting an informational Open House for the public to learn about the transmission interconnection associated with the Project that will be the subject of federal and state permitting processes.

The public meeting will be held:

**June 7, 2016
4:30 to 6:30 p.m.
Dateland Elementary School
1300 S. Ave 64 E
Dateland, Arizona 85333**

Representatives of the project will be available to provide information and address your questions and concerns. It is an Open House format and you can come anytime - RSVP is not necessary. We welcome your input and hope you can join us!

**IF YOU HAVE ANY QUESTIONS,
PLEASE CALL 602-628-8956**

Daily May 29, 2016 & June 5, 2016 - 00093213

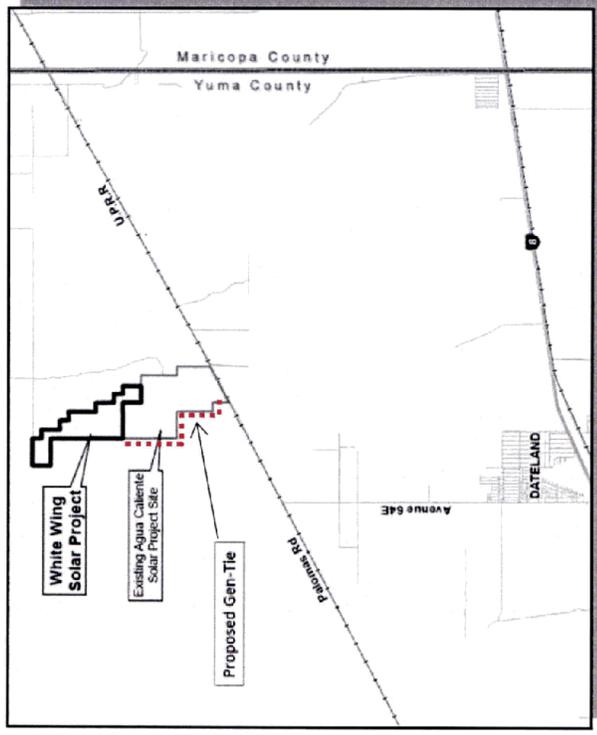


YOU ARE INVITED TO AN OPEN HOUSE

Date: Tuesday, June 7, 2016
Time: 4:30-6:30 pm
Location: Dateland Elementary School
1300 S. Ave 64 E, Dateland, AZ 85333

White Wing Ranch North, LLC, a subsidiary of First Solar, has approval to build a solar electric generating project using photovoltaic (PV) technology near Dateland and Hyder, Arizona. The White Wing Solar Project would be adjacent to the existing Agua Caliente Solar Project and would interconnect to the electrical grid via a gen-tie line between the solar site and the existing Hoodoo Wash Substation. The Project is initiating permitting for the gen-tie line and we are conducting an informational Open House for the public to learn about the proposed line. Representatives will be available to answer questions and provide information.

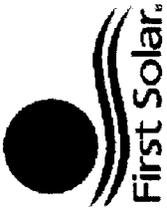
We welcome your input and hope you can join us. It is an Open House format and you can come anytime. An RSVP is not necessary. If you have questions please call Ian Calkins at 602-626-8956 or visit our website at www.WhiteWingSolarProject.com.



¡Atención!

Les invitan a un reunión informativa pública por la línea de transmisión del un proyecto de energía solar commercial que se propone cerca de Dateland. Los representantes hablarán español y estarán disponibles a compartir información y contestar preguntas en cuanto del proyecto.

Fecha: El 7 de junio de 2016
La Hora: 4:30 - 6: 30 P.M.
Localización: La escuela primaria de Dateland, 1300 S. avenida 64 E., Dateland, AZ 85333



135 Main Street - 6th Floor
San Francisco, CA 94105

Resident Address

YOU ARE INVITED TO AN OPEN HOUSE

OWNER NAME	OWNER NAME 2	BUSINESS NAME	OWNER ADDRESS	OWNER CITY	OWNER S OWNER ZIP
STATE OF ARIZONA			1616 W ADAMS ST	PHOENIX	85007
UNION PACIFIC RAILROAD CO			1400 DOUGLAS ST STOP 1640	PHOENIX	85179-1640
USA			2555 E GILA RIDGE RD	YUMA	85365
WOODS RICHARD J & SHARON F ETAL			5425 E SHEA BLVD	SCOTTSDALE	85254
NELSON CHARLES A & ELAINE L TR 9-22-00			RT 1 1195 BARD RD	WINTERHAVEN	92283
JERVEY RICHARD A JR			6601 GORDON AVE	FALLS CHURCH	27046
HOSSTETLER RICHARD L			8746 STOCTON HILL ROAD SP 28	KINGMAN	86409
COSSA SUSAN B &	HAMILL CAROL A		5980 OAKHILL DR	SANTA MARIA	93455
VASQUEZ JOSE F			656 WESTMINSTER AVE	VENICE	90291
POE MYRNA	VIRGIL PRICE		5836 N 61ST DR	GLENDALE	85301
ALLIANCE EQUITY GROUP LLC			3336 F O-HANDLER HEIGHTS RD SUITE 121	GILBERT	85297
COSSA ANTHONY & SUSAN TR 1/3 INT	COSSA GARY H 1/3INT		PO BOX 7070	SANTA MARIA	93456
KUMLIN ADRIAN R & KAREN L JT			1872 N SIERRA DEL SOL	NOGALES	85621
MA MICHELLE			1025 S DRIFTWOOD	SANTA ANA	92704
EWING JOHN L JR & DELORES			1744 E 26TH PL	YUMA	85364
SAGE ADVICE INVESTMENTS AZ LLC			6525 N 26TH ST	PHOENIX	85016-8936
WOODSPUR FARMING LLC			113 S LA BREA AVE THIRD FLOOR	LOS ANGELES	90038
NELSON KEITH E & CANDACE K &	WILLIAMS SCOTT		9420 S 258TH E PL	BROKEN ARROW	74014
BRUYERE DENNIS P			8420 FARTON ST	PARAMOUNT	90723
BRAMS TRUST 11-1-91			1318 E LA VIEVE	TEMPE	85284
CARTER FARMS AZ LLC			1425 W 18TH ST	YUMA	85364
ARIZONA DESERT PALMS ESTATE AZ LLC			2120 W 24TH ST STE B	YUMA	85364
WISEMAN HARRY H TRUST 12-17-13			13459 E 45TH LN	YUMA	85364
GOLOM CALLIOPE MARIA TRUST 9-20-06			4401 N 47TH PL	PHOENIX	85018
LANGLEY DATELAND RANCHES AZ LLC			2738 E GUADALUPE RD	GILBERT	85234
BONO PHILIP S &			4209 GARLAND AVE	NOTTINGHAM	21236
ONLY LAND AZ LLC			PO BOX 72540	PHOENIX	85050
CLIMAN LILLY M			553 W VALLE VERDE PL	NOGALES	85621
COLE BOBBY L			407 W SPAULDING ST	CHECOTAH	744262423
RODRIGUEZ SILVESTRE &	MURILLO DOMITILA JT		PO BOX 3233	DATELAND	85333
SIERRA JORGE & SILVIA JT			937 ESTABLO ST	CALEXICO	92231
GARCIA ANTHONY M			15 F TORRES ST MINES VIEW	BAGUIO CITY	2600
ERNEST JOHN S & BETTY J JT			PO BOX 6	MOORES HILL	47032
YEAGLEY JOHN & JULIA D	LESNICK EDWARD J		5481 VOLE COURT	YUCCA VALLEY	92284
UY FRANCISCO & REGINA			7624 W 83RD ST	PLAYA DEL REY	90283
BLACK STEPHEN C			8509 DALLAS ST	LA MESA	91942
VALENCIA JESUS & MARIA JT			560 W PLEASANT AVE SP 32	TULARE	93274
GETZ JOHN W & SANDRA K JT			PO BOX 3071	DATELAND	85333
ROBBINS PHYLLIS			11456 E 35TH ST	NEW CASTLE	85367
CARTER JERRE ANN			PO BOX 8063	YUMA	85333
FLORES ALEJANDRO & MARIA D JT			9613 S FELDSPAR WAY	YUMA	85384
FULLER GLENN &	DOUILLARD KATHY*		20205 N AVE 76 E	DATELAND	85333
LANE DONALD J & DAWN MICHELLE JT			PO BOX 3148	DATELAND	85333
LITZ JERRY E & PATRICIA			1614 E HOLLY	DEMING	88030
MARES EFRAN & DOLORES JT			8201 W GLEN ROSA AVE	PHOENIX	85033
MINNIS FAMILY TRUST 08-02-06			349 W 300 N	ST CLOUD	47032
ALEXA CHRISTINE M			PO BOX 701236	LAS VEGAS	89121
UPLAND ENTERPRISES NV LLC			2550 E DESERT INN RD #488	PENSACOLA	32503
VILLARAMA VICTOR & EMILIA			7019 FORSHALEE ST	YUMA	85203
SAVEDRA MARTIN & MARGARITA JT			115 N BARKLEY ST	MESA	85253
PICACHO TRADING POST AZ LLC			5580 E ROYAL PALM RD	PARADISE VALLEY	80123
LEA WILLIAM E & MARILYN C			1985 SALEM	ELGIN	85365
CONTRERAS SILVESTRE & GUILLERMINA JT			9620 FELDSPAR WY	YUMA	85365
THOMPSON CONNIE LOU			15578 INDIAN VALLEY LN	HOYT	66440
BRODIE RICHARD G & LAUREL P JT			25657 N 17TH AVE	PHOENIX	85027
RENAUDIN DAVID M & KALENA N JT			PO BOX 3074	DATELAND	86333
OC HOA NICOLAS & LETICIA JT			PO BOX 3033	DATELAND	85333
KIRSTINE WALTER W & IRIS			PO BOX 3154	DATELAND	85333
TACKER TONYA			10620 E 36TH ST	YUMA	85367
PYTTTEL MAREK & HALINA JT			435 HOLLY AVE	PARAMUS	07652
FIRPO LOUIS H			8001 N 17TH DR	PHOENIX	86021
FREEMAN JOHN & LORRAINE TRUST 7-19-04	RAMIRES JOANNA		2837 33RD ST	PHOENIX	85021
RAMIRES DANIEL JR &			1505 N HIGHLAND RD	SAN DIEGO	92104
ERNST ALBERT T			366 CALLE LA BOLITA	DATELAND	85333
DURAN JESUS ANTONIO			PO BOX 3211	SAHUARITA	85629
				DATELAND	85333

YOUNG CHERYL M	435 COUNTRYMAN CREEK	59019	MT	COLUMBUS
ROSADO ROBERT R & JANICE L	8117 CORYTON RD	37721	TN	CORRYTON
DOULLARD LOUIS A JR & HAZEL D JT	PO BOX 3176	85333	AZ	DATLAND
WALKER JAMES DAVID & BREANNE JENNIFER	823 E DUST DEVIL CIR	85143	AZ	SAN TAN VALLEY
NELIS THOMAS M	3807 PATTON ST	19606	PA	ST LAWRENCE
DATLAND HOLDINGS LLC	11317 E 27TH ST	85364	AZ	YUMA
REIKA JOHN W & MIRAZA	1427 PINE VISTA RD	92027	CA	ESCONDIDO
KROFT JUNE G TRUST 12-4-08	PO BOX 74	97110	OR	CANNON BEACH
LEAL JUAN A JR	2109 E 15TH ST	85365	AZ	YUMA
KAZENSKY MARGARET I	2614 SHARIENE LN	95301	CA	ATWATER
1148100 ALBERTA INC	BOX 91013 #125-8888 COUNTRY HILLS BLVD NW	T3G 5T4	AB	CALGARY
KEITH MILLARD ETAL	6718 CALLE DENED	86710	AZ	TUCSON
VALENZUELA RODOLFO	PO BOX 7053	T0H 1X0	AB	SAN LUIS
MAFFRET JUDY & LUNNI WENDY & SMITH NEAL & GRANT SARAH K	BOX 63	63026	MO	GROVEDALE
LAMB FAMILY TRUST 3-15-07	39600 ELNA WAY	92234	CA	CATHEDRAL CITY
FREDRICKSON FAMILY CA CORP	5920 CAMINITO ELEGANTE	92108	CA	SAN DIEGO
REINHOLD KENT B	479 ASCOT MANOR COURT	93536	CA	LANCASTER
TURNER ROBERT R & TERRIL	3043 W J-6	850450771	CA	PHOENIX
GRIMES RICHARD M & GEANENE	16632 S 15TH DR	85333	AZ	DATLAND
AVALOS FRANCISCO & AMELIA	PO BOX 3130	85333	AZ	DATLAND
RAMIREZ DANIEL &	1504 N ARCADIA RD	98337	WA	KENNEWICK
LAIRD CATHERINE D JT	411 W 26TH PL	83672	ID	WEISER
DEROCCHIS JOHN D UND 60 INT	541 DAY RD	90280	CA	SOUTHGATE
ZAMORA ANTONIO & CELESTE M JT	8180 SAN GABRIEL AVE	85271	AZ	TEMPE
NSHE PORTERVILLE AZ LLC	60 E RIO SALADO PKWY STE 1103	85366	AZ	YUMA
DORMAN TERRANCE L	PO BOX 6446	98221	WA	ANACORTES
DATLAND INVESTMENTS AZ LLC	3412 W 2ND	97420	OR	COOS BAY
CONNOR SIDNEY LEON TRUST 5-28-08	82736 OLIVE BARBER RD	94539	CA	FREMONT
KIM STEVE H & LISA Y JT	44826 WINDING LN	85012	AZ	PHOENIX
RINI SAM SOLE &	10245 N 15TH DR	85286	AZ	CHANDLER
SGA PROPERTY MANAGEMENT LLC	134 W ORIOLE WY	85283	AZ	TEMPE
OCVIREK ESTATE TRUST 7-25-90	1897E BENDIX DR	78238	TX	SAN ANTONIO
ESTEP RICHARD & MARY	6108 RUE FRANCOIS	83347	ID	PAUL
MALONEY SHERRIE	669 COLUMBINE DR	85333	AZ	DATLAND
GREER SHARON K	PO BOX 3095	00917	PR	HATO REY
BECKSTEAD DAVID R	6173 LANDIMO DR	46383	IN	VALPARAISO
DENIS FREDERICK R	ALHAMBRA 36	28451	NC	LELAND
JAROSAK PETER J	708 MORTHLAND DR	90275	CA	RANCHO PALOS VERDES
WILLIAMS GORDON L & DORCAS Y	3141 REDFIELD DR	53051	WI	MONOCNEE FALLS
WADE EXEMPTION TRUST 11-5-93	27876 LONGHILL DR	85289	AZ	GILBERT
LAUBENSTEIN ROGER R	N 76W 16239 BRIAN CT	85384	AZ	YUMA
GOODMAN PATRICK I & BERTHA TRUST 9-5-01	PO BOX 165	55051	MN	MORA
LUGO ANTONIO CRUZ	1150 S 9TH AVE	49817	MI	COOKS
LUND ERNEST	2078 SORENSONS RD	297076058	SC	FORT MILL
SHEPPARD NELLIE B	9047 1/4 RD	85365	AZ	YUMA
DERIEMACKER ALLEN J & BARBARA JT	1073 FALLING LEAF ST	93105	WA	NORTH BEND
T & U INVESTMENTS AZ LLC	12740 S AVENUE 4 1/2 E	90701	CA	SANTA BARBARA
HAND ELLA L	1148 N W 14TH ST	75216	TX	DALLAS
ADLAW EDWIN W & RONALD J	222 E ALAMAR	98325	WA	CHIMACUM
LAND NELS L 1/2 INT	17917 ELAINE	48390	MI	WALLED LAKE
ROBERTSON DOSSIE LEE & NECHIE	3407 FORDHAM RD	96815	HI	HONOLULU
HESS FAMILY TRUST 8-21-90	PO BOX 961	85046	AZ	PHOENIX
LA PRATT SHERRON	1541 BEVERLY BLVD	92117	CA	HOUSTON
DOPP RAY A	1925 KALAKAUA AVE APT 1101	53208	WI	MILWAUKEE
PURLIA TERRI	PO BOX 31453	92872	CA	SAN CLEMENTE
GRIMES PENNY LYNN	5246 JACKWOOD ST	55955	MN	MANTOVILLE
TURNER SCOTT	3077B CLAIREMONT DR SP 203	97914	OR	ONTARIO
MERRICK PATRICK J	2043 N 58TH ST	85211	AZ	LONDON
GIBNEY DOROTHY M TRUSTEE	254 LA POLOMA	85704	AZ	SCOTTSDALE
SAINTE FRANCIS OF ASSISI ROMAN CATHOLIC	PO BOX 31	85017	AZ	TUCSON
NAPPE RALPH O	PO BOX 4	89119	NV	PHOENIX
BENDER CLARK E & SALLY L JT	1148 S W 7TH AVE			LAS VEGAS
COLTON NORA ANN	72A REDCLIFFE GARDENS			
BIRTCHER CRAIG	4531 N 86TH ST			
VOLPE FAMILY TRUST	3001 W INDIAN SCHOOL RD #140			
VERMA 24000 W 2ND ST HYDER DATLAND YUMA 685 AZ LLC	2328 BLUE LUSTER DR			
DIJAZ SOFIA AYALA ET UX				

BACKLUND RICHARD ALAN & BARBARA AMES, JORDAN

BROAD GARY D & DENISE L JT

SANCHEZ RASHELL

MARINE BIOLOGY RESEARCH INC

BURNS TROY

CRUZ ANDRES V & CATHERINE D JT

BALL FRIEDA KELLER

MEZA RAMON G & MARIA I JT

HAUGEN ELLA L

THEODORE DENISE &

ALLISON JERRY

SALVADALENA DOROTHY M

BADGETT PATRICIA JOHNSON DUANE JR

KELLER GERALD A

STILE FRED & JUANITA JT

MURRAY DENNIS J

WHELAN JAMES F & CAROLYN J TRUST 7-26-2006

JAMES STEWART COMPANY

TORRES ENRIQUE NEGRETE & GUILLERMINA C

MARTINEZ NOEMI

CAMERON GEORGE D III

HILLS LISA S

SOMMARS RONNIE & KATHY JT

HARLEY CHARLES B

ZEHE RAYMOND G

REPECH ARTHUR

WOMACK CYNTHIA L

FRAZIER ROBERT S SS

RIDER MICHAEL & MITCHELL (FRANK)

NAPOLES LAWRENCE A & MARY F

GRITTON HELEN MC KEAN TRUST 2-18-99

RODRIGUEZ Z AURELIO & VICTORIA JT

VALDEZ JOSE A & NORMA E

GIBSON LIVING TRUST 1-5-98

ONATE MARIE ELENA & CANDELARIO

DJR HOLDINGS LLC

JOHNSON WILLIAM R

LAMBERT ADEN A & LORETTA J JT

LACKNER W HAROLD

FAZIO JOINT TRUST 5-7-2014 ET AL

BROXHAM MARY LOUISE SS

ZINGG LEONARD D & LOIS ANN TRUST 9-20-89

TOWNER JEWELL WRIGHT UND 1/2 INT AND

HIDDEN VALLEY RANCH I AZ LLC & HIDDEN VALLEY RANCH II AZ LLC

LYNN EMMETT L

GABRIEL FAMILY TRUST 06-30-95

YOUNG DARL

TRACY FRED L & CAROL L

WOLF HELEN &

BERRY NORMAN & GRACE JT

CUNNINGHAM MERLE E & BETTY J

MATY DERMOT & KENDRA

ZIMMER ARDELL D

ROBNETT LUCIUS

WOOSLEY JOHN R & ROSE D

GUERRERO BERENICE*

HESSELMAN CARL V & ANNE

VALENCIA GUILLERMO RIOS & HILDA LUNA JT

WILSON DONALD E

VANGILDER JEFFREY LYNN

GEORGE FRED K

HEJDUK PATRICIA & JOANNE

ENDTIME INC TX NONPROFIT CORP

RUDOLPH DOROTHY

OLROUGE ALICE V

YEA EANG &

2521 DRESDEN LN

6295 E 43RD PL

16282 COPPERIDGE WY

3411 COPE ST

PO BOX 7118

PO BOX 3127

15888 S FOREST HAVEN RD

PO BOX 3221

15205 146TH AVE E

PO BOX 400388

31607 N 64TH ST

2911 SE VILLAGE LOOP SP 404

1108 MARLOW ST

644 AGERO AVE

3100 PECAN CROSSING

606 FRANCISCO PL

8811 E MAYO BLVD SUITE 350

PO BOX 671

5055 GORDON AVE

PO BOX 2204

612 S POWERLINE RD

PO BOX 3084

526 SHERIDAN PL

8621 S WICKFORD DR

PO BOX 311

PO BOX 335

1800 GULF ST APT 3

4693 71ST ST

235 W 2950 S

PO BOX 3186

PO BOX 3227

15815 SW VILLAGE LN

BOX 3134

120 STATE AVE NE #1418

1406 BESSIE ST

947 E BRUNNER RD

3375 E HARDY ROAD

8433 NE 13TH AVE

300 E SOUTH ST

18034 N 17TH WAY

727 BENNETT MARY JEWEL TOWNER

8711 E PINNACLE PEAK ROAD

4124 JAMES WESTON DR

381 N 6TH ST

81-880 ARUS

39480 E CO 4TH ST

PO BOX 1062

8561 S AMMONS ST

2701 LOS AMIGOS DR

617 NE BRAZEE ST

PO BOX 8277

11144 RAINIER SOUTH AVE

PO BOX 3090

PO BOX 3278

PO BOX 2352

9559 E 36TH ST

8275 HOLLAND COURT

2890 AVALON

419 DOUGLS FIR

5943 W HAZELWOOD AVE

2701 FAST GEORGE BUSH TURNPIKE STE 100

3420 WOOSTER RD APT 108

1152 E RIVER ROAD

8427-150A ST

GOLDEN VALLEY

YUMA

CAI DWELL

ANCHORAGE

YUMA

DATALLA

MOLALLA

DATLAND

ORTING

HESPERIA

CAVE CREEK

VANCOUVER

MODESTO

RIVERSIDE

PUEBLO

MESQUITE

DAVIS

PHOENIX

PIRU

GILA BEND

NEWAYGO

YELM

NAMPA

DATLAND

SAN JOSE

OAK CREEK

TACNA

BRANSON

SAN FRANCISCO

LA MESA

SALT LAKE CITY

DATLAND

DATLAND

BEAVERTON

DATLAND

OLYMPIA

LAWTON

ATHOL

WILLCOX

PORTLAND

ONTARIO

PHOENIX

RIDGECREST

SCOTTSDALE

AWENDAW

CROVER BEACH

INDIO

ROLL

TEMPLETON

LITTLETON

RANCHO CORDOVA

PORTLAND

PACHECO

ST THOMAS

SEATTLE

DATLAND

LACEY

GILA BEND

YUMA

ARVADA

ROCHESTER HILLS

GOLDENDALE

PHOENIX

PLANO

ROCKY RIVER

GRAND ISLAND

SURREY

55422

85366

83607

99503

85366

85333

97038 8486

85333

98360

923400368

85331

98683

95351

92503

81004

75181

96616

85054

93040

85337

493379164

98597

83698

85333

95111

53154

85352

32621

94109

91941

84115

85333

85333

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95501

73501

839018900

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85255

29429-5937

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92201

85347

93465

80128

95670

97212

94553

00804

96178

85333

96509-3278

85337

85365

80005

48309

98620

85033

75074

44116

14072

V3S 8J7

JOHNSON CHARLES JOHNSON DEBRA

BALBER STEVE

FRIESEN EMADEE UND 1/2 INT

RANCH II AZ LLC

LYNN LAWRENCE L

SPINOLA M ROBERT

AN POE JT

FLINT FAMILY TRUST 7-28-07

NIPP KENNETH 1/2 INT

FLINT PHILLIP E & FLINT GERALD DAVID
ARMSTRONG SHERILYN D
FRAS FREDERICH 1/2 INT
WESKAR INC EMPLOYESS RETIREMENT PLAN
BEYER RICHARD A ET AL
ASHBURN ROBERTAL
BECK ROBERT & KRISTINE JT
MAXSON JOHN
OBRIANT CODY M & EMMA L
DIAZ DIMAS & ANN K
WHITAKER JOHN TRUST
STANISH JOHN & ALICE
COOPER CAROLYN J & ROBERT G
SCHROEDER JOSEPH M & LORRAINE T
LOPEZ ANDREW III & MARCIA J JT
CALL JEFFREY L
CAIN DANIEL
HALE CHARLES B & PENNY K JT
ZAMORA ARMANDO
CRISP DENNIS & VERA ARDITH TRUST 12-1-96
CONNERY DIANNA J &
EDKINS BRIAN
SHAHER DONNA SUE MASTERS
JAGUAR INVESTMENTS AZ LLC
HETKE LOVING TRUST 11-12-90
OLIVAS SYLVESTER
MONTGOMERY JOHN M JR
KEMP JAMES F &
GUEVARA PETRA CHAVEZ
VALENCIA LUIS MARTINEZ & ROCIO JT
TANIO HENRY & GERTRUDE
KEMP JACKIE H ETAL
RODRIGUEZ FRANCISCO & MARIA JT
TESTER BARBARA J
GRAFFIUS RICHARD
MALAD INC AZ CORP 1/2 &
EASAZ LLC
ACOSTA ELIZABETH
GEORGE THOMAS F
CHAVEZ LEODEGARIO & MARIA E JT
THOMAS ROBERT J & ANN JT &
GREENFIELD C E & CECILIA JT
STONE JESSE & BLEVINS GLADYS &
BARKER E PATRICK & FAYE
OSTERMAN DONALD GENE &
MURCIA FERNANDO
WESAW DELMAR W
DAVIS TIMOTHY TRISTEN FRANKLIN
EASLEY BENITA L LIVING TRUST 6-15-95
HORNUNG WILLIAM J & CHARLOTTE B TRUST
BLANFORD OVID F S/S
KALOUPEK MARIORY J & ROBERT T JT
BRAMMELL CATHERINE C
ALDRED FRANCES M &
HERRON JANET D & ROBERT J JT
STUBELASKI JAMES L
FINNERTY JOHN D
RODRIGUEZ ROSA O
HARPER RICHARD W
LANDEROS JESUS
THOMPSON DAVID A & CAROL A JT
GENTRY RONNIE D & BRENDA LEE MITCHELL
ZION STATE BANK TR
BRAXTON SHIRLEY A
STOCKTON LEROY G & EMMA C JT
REDNOR JANET
SHAY OIL CO

8606 N 94TH AVE
9920 N 73RD AVE
1200 E CENTRAL AVE UNIT 61
4400 N SCOTT SADDLE RD #9
614 NOBEN AVE
149177 AHERN DR
3134 E RD
PO BOX 1810
6132 144TH PLACE SE
10551 E BLAKE RANCH RD
PO BOX 5754
141 SHASTA RD
613 COLUMBIA AVE
5829 S E MCNARY RD
PO BOX 3021
W 21497 CALL VALLEY RD
BOX 3122
3425 FOUR TREES DR
915 SHOREPOINT CT APT E101
26561 DOMINGO DR
PO BOX 1359
27 FELDMEYERS LN
107 WESTOVER
1245 W 17TH PL
127 WARWICK ST
PO BOX 9
101 QUAIL RUN COURT
428 FIRST ST E
PO BOX 3068
PO BOX 3195
2302 ORCHARD CREST BLVD
2798 9TH AVENUE E
1208 S SANTA CRUZ LN
3007 ONTARIO RD
10038 S NEW ERA ROAD SP 71
1855 N VAL VISTA DR ST 107
6202 S WILLOWBROOK DR
7398 E 25TH PL
4312 W PARADISE
4238 W 21ST PL
3412 W 2ND STREET
1516 MELROSE ST
7774 MONO RD
PO BOX 284
3028 E CARPENTER ST
1250 E HALLANDALE BEACH BLVD NO 505
PO BOX 659
BOX 6868
1275 E HOFMEISTER CT
516 S BUENAGUA RD
1751 W CITRACADO PARKWAY SP 207
826 TURNBERRY DR
3280 SW XERO ST
1029 E MACLYN STREET
7440 MAIN
22 PINE VALLEY RD
11223 N 38TH AVE
307 MARTELLA DR
380 E PALO VERDE ST
PO BOX 26
PO BOX 976
38781 N PINE
4319 W SOFT WIND DR
3527 FEDERAL WAY
1930 N E 56TH DR
PO BOX 1249

PEORIA
PEORIA
SUTHERLIN
SCOTTSDALE
GRAFTON
LAPINE
GRAND JUNCTION
MESQUITE
BELLVEUE
KINGMAN
YUMA
PLYMOUTH MEETIN
NYSSA
MILWAUKIE
DATELAND
STRUM
DATELAND
WEATHERFORD
ALAMEDA
MISSION VIEJO
PALM SPRINGS
STATEN ISLAND
SAN ANTONIO
YUMA
PARK FOREST
ARLINGTON
LAKE MARY
SONOMA
DATELAND
DATELAND
MANASQUAN
TWIN FALLS
TUCSON
LITTLE CANADA
CANBY
MESA
MORRISON
YUMA
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COEUR D ALENE
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BELLVEUE
SPRINGFIELD
HALLANDALE BEACH
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WETASKIWIN
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BOLZ RUTH W	HERMANDEZ LORENA LOPEZ JT	MORRISVILLE	NC	275604806
DEMARCO RONALD FRANK		YUMA	AZ	85367
CABRERA JUAN &		BUCKEYE	AZ	85396
WATSON LINDA DIXON		BURBANK	WA	993230093
LEHMAN DOY S & JENNETTE B JT		UMATILLA	OR	97982
POTTER SHARON K		JEFFERSONVILLE	IN	47130
NUJN JAMES & DIANE		DATELAND	AZ	85333
CALLAHAN CATHERINE A ET AL		PHOENIX	AZ	85014
HUNTER ARTHUR L L TRUST		SAN BERNARDINO	CA	92404
RISK EDWARD F & ELIZABETH R		PLYMOUTH	MI	48170
EGGERS KEITH		OCOTILLO	CA	92259
STODDARD RUBY I		ORTONVILLE	MI	48462
LOUGHRIE WILLIAM J & MILDRED J		TEMPE	AZ	85282
MARKHAM JOEL M		SISAKET	SI	30000
FRANKLIN LANNIE		LOS ANGELES	CA	90016
GREENE FAMILY LIVING TRUST 5-19-93		TEMPE	AZ	85282
DAVIS RICHARD THORNDYKE & MARY WALSWORTH		WEST MONROE	CA	90049
BISBO MARVIN		DATELAND	AZ	85333
MAYORQUIN LUIS & GUADALUPE S &	MAYORQUIN ESTRELLITA EST OF &	DATELAND	AZ	85333
BURNETT CHARLES	RENAUDIN DAVID M	GLENDALE	AZ	85310
SWEENEY ANN MARIE		DATELAND	AZ	85333
MORENO HECTOR &	HERMANDEZ JOSEFINA JT	DATELAND	AZ	85333
LAND INSIGHTS LLC		PHOENIX	AZ	85008
SENNER GREGORY P & JAN M	PMB 221	BAKERSFIELD	CA	93309
NELSON KEITH & CANDACE		SCHERTZ	TX	78154
ALLEN GLORIA JEAN		GILBERT	AZ	85233
WHITEID JERRY & SHIRLEY JT		UNION	OR	97883
SMITH VALERIE C		LAS VEGAS	NV	89149
DENTON GLENN W & VERDA MARIE	WESELMAN WAYNE E JT	INDIANAPOLIS	IN	462245024
WESELMAN WILLIAM J &		DATELAND	AZ	85333
DRAZINIC MARIA		EUSTIS	FL	32726
MARTINEZ LIDUVINA		SALOME	AZ	85348
HERMANDEZ GUADALUPE		ROLL	AZ	85347
MARTINEZ MARIA & ERNESTO		GILA BEND	AZ	85337
PEREZARCE FERMIN G & MARIA M JT		BAKERSFIELD	CA	93313
HICKMAN DAVID M		DALLAS	OR	97338
MEAD ROGER EDWIN III & AMBER		MONTEREY	CA	93940
FARRELL JANIS M		MARTINSVILLE	IN	46151
BUCHAN DANNY B & GAYLE JT		YUMA	AZ	853675798
MC FARLAND LORNA D		DRAYTON	ND	58225
NICHOLSON THOMAS S & CAROL J JT		COOLIN	ID	83821
THOMAS LESLIE M JR & VEDITZ JANET T & THOMAS LAWRENCE M		LINCOLNVILLE	ME	04849
COHN PAUL ROBERT		BEND	OR	977023260
FUELLER FERDINAND JR		MARYDALE	MD	21649
ORTIZ JOANNA RAMIREZ &	RODRIGUEZ RENATO GARCIA	DATELAND	AZ	85333
RAMIREZ RAUL MIRANDA		YUMA	AZ	85367
MARTINEZ JORGE		DATELAND	AZ	85333
STATE OF ARIZONA TAX DEED PARCEL		YUMA	AZ	85364
TRIVETTE GREGORY		HENDERSONVILLE	NC	28792
MEMARIANFARD AKBAR		PLANO	TX	75023
COMER KENNETH EARL JR		LAS VEGAS	NV	89108
JACUA DONALD T & ALANINA J		CASPER	WY	82601
TIMMONS REVOCABLE TRUST 1995		PARADISE VALLEY	AZ	85253
ROBINSON DOROTHY 1/2		AUSTIN	TX	78704
AMAVISCA GERRY D TRUST 10-22-08	ZAIMAN LYDIA 1/2	YARNELL	AZ	85362
PEDERSEN HANS & JEANETTE TRUST 5-23-03		HAINES CITY	FL	338446306
HAYES WALTER		KILLEN	AL	35645
ZELLER RICHARD L & LILLIAN JT		GREAT FALLS	MT	59405
GIBELHOUSE SUSAN &	STILES CHARLENE	PHOENIX	AZ	85018
WILKIE IRENE G &	BAILAND JACQUELINE JT	APACHE JUNCTION	AZ	85219
KAYE JESSE W		STURGEON BAY	WI	54236
FALCONE DAVE & SARA		HORSHAM	PA	19044-1942
DAVIDSON BRYCE D & VIOLET		WINNIPEG	MB	R2N 3W4
SUPENCHECK DENNIS ANTHONY TRUST 06-09-2010		TAMPA	FL	33647
IRVIN KARL		STOCKTON	CA	952053516
GARRISON FAMILY REVOCABLE TRUST 6-11-01		SPERRY	OK	74073
PYWELL ROLLAND A & ALICE M		NAMPA	ID	83651

ECKROTH LARRY P	20 SANFORD AVE	FL	327132963
DONALD E HOCTOR FAMILY AZ LTD PART	20727 N LA ENTRADA RD	AZ	85139
WYATT LAND HOLDINGS AZ LLC	8096 E SUNNYSIDE DR	AZ	85260
CARDENAS JESUS & ESMERLDA A	HC 1 BOX 38	AZ	85333
PACHECO JESUS	53629 W ORGAN PIPE RD	AZ	95139
DAVIS WILBUR R	5667 HILLS DALE BLVD SP 48	CA	95842
BIXLER CARL S	PO BOX 1884	CA	85327
PRICKETT EVERETT E & IRENE J	PO BOX 584	CO	80452
ALDRIDGE CHEROKEE A	PO BOX 3039	AZ	85333
MAGNONE MARIO & KATHLEEN R CARLEN JT ETAL	3545 LAKEFRONT DR	AZ	36695
SISSON FARMS AZ LTD AZ LLLP	805 E EASON AVE	AL	36526
MILLER CHRISTOPHER	1027 UMSSTEAD HOLLOW PL	AZ	85326
DAVIS MARY ETAL JT	4711 REDBLUFF DR	NC	275138459
MCHENRY DAVID J TRUST 8-30-96	PO BOX 8356	IL	61107
HARPE BARBARA	60315 TEKAMPE RD	AZ	85068
SILVA THOMAS A & MARY E	5835 N 16TH ST	OR	97702
KARST BILL & ELAINE JT	PO BOX 364	AZ	85015
CATRON JOHN & MILDRED	PO BOX 136	ID	83313
REED FRANK & KAREN	PO BOX 3069	AK	99623
DE LA TORRE PEDRO CASTRO & ORALIA JT	PO BOX 3153	AZ	85333
BELTRAN MARTHA O	5205 W PECAN RD	AZ	85333
LARSEN TRUST 03-12-2013	201 2ND AVE SE	AZ	853392461
FAMILIARO ANGELO & GLORIA	5562 CHARLESTON AVE	MN	56751
DISABLED AMERICAN VET AZ NON-PROFIT CORP	38 W DUNLAP AVE	FL	32778
HARRIS ARTHUR	5815 CONNECTICUT AVE	AZ	85021
DEFORREST ANTHONY	9002 S 12TH ST	CA	91942
HERGENRETER BILLIE D & JOE JT	19778 MARIGOLD DR	AZ	80751
HORNBSY JEANNE	474 MICHELANGELO DR	CO	80440
BROOKS WARREN B & JUNE V	PO BOX 20400	CO	80306-3400
CASTILLO CRESCENCIO &	11568 S PHOENIX DR	AZ	85367
MALEDON VICKI	3050 S LIPAN SP 6	AZ	85367
MC DONALD GEORGE D & NANCY	5111 GLENTWORTH CT	CO	80110
HARRIS CATTLE CO	PO BOX 167	TX	77084
COLLINS ROSS L & SANDRA JT	68420 E HIWAY 80	AZ	85242
PACICCA ANTHONY J & PACICCA SUSAN P JT	13357 E 45TH ST	AZ	85333
POLLOCK DONALD E & VIVIANNE	PO BOX 4264	AZ	85367
MARTINEZ TERESA A	18411 VALLEY BL NO 7	ID	83340
BUZZA RETA	100 SW 195TH UNIT 130	CA	92316
PETERSON DALE & PAMELA TRUST 10/17/02	1105 E BLANCO BLVD	CA	92316
REICH STEVEN L	1011 - 80TH AVE NE	OR	97006
ADAMS WARNET & HALL DENNIS & DEBRA & SWEITZER WILLIAM D	5084 COMMON WEALTH	OR	97413
TACKER JERRE ANN	PO BOX 3132	WA	98039
BREWER LILLIAN	PO BOX 3065	CA	91011
DAMEWOOD FAMILY REAL PROPERTY TRUST 9-6-2011	173 MCKNIGHT RD	CA	91011
JENSEN BERNICE P	600 F ST STE 3 514	AZ	85333
STROSS CODY C ET AL	1385 NO 450 EAST	AZ	85333
ANDERSON ALBERT V	7 AVENIDA VISTA GRANDE B7 142	AZ	85333
MATLIN DAYNA TRUST 5-28-2014	PO BOX 3108	MI	48116
GDC FARMS INC	PO BOX 23373	CO	81427
GARDENHIRE THOMAS & SARAH JT	4852 S YALE AVE	MN	55119
A S LAND AZ LLC &	11703 GURYNNE AVE	CA	95521
MAGANA OMAR A	7757 APPLETON ST	CA	94010
KLJMA LORRAINE A	3707 E ALDER ST	CA	90650
KELLEY TRUST 3-4-92	37 MESA VISTA DR	CA	92371
LEVAS GARY LANE	PO BOX 3054	ID	83705
OSUNA RAMON SALOME & MARIA GUADALUPE JT	1514 CLOUD DR NE	WA	98122
BETTMANN JANA E & KEVIN JT	10320 S 17 DR	AZ	85333
QUINTANA EMMA &	3005 W CRESCENT RIM DR UNIT 202	AZ	85037
QUINTANA VEATRIZ E JT	HC 1 BOX 4C	ID	83706
MILLER NADINE R	530 MCGUIGAN RD	SD	57763
MERCADO DE AMIGOS INC AZ CORP	16410 84TH ST NE STE D 231	SD	57763
BLESSUM LLOYD T &	5344 W TARO	WA	98258
GRINDE LINDA	10351 STATE HIGHWAY 37	AZ	85308
ALDRIDGE JOHN & LISA	1420 KATHLEEN WAY	NY	13658
DONER EDWARD MICHAEL	2401 S HENRY	IL	60007
MURRAY AGNES &		IA	51105
RUPERT JIM			

DEBARY
MARIKOPA
SCOTTSDALE
DATELAND
MARIKOPA
SACRAMENTO
CAVE CREEK
IDAHO SPRINGS
DATELAND
MOBILE
BUCKEYE
CARY
ROCKFORD
PHOENIX
BEND
PHOENIX
BELLEVUE
HYDER
DATELAND
DATELAND
LAVEEN
ROSEAU
TAVARIS
PHOENIX
LA MESA
PHOENIX
STERLING
ROLINGBROOK
BOULDER
YUMA
ENGLEWOOD
HOUSTON
QUEEN CREEK
DATELAND
YUMA
KETCHUM
BLOOMINGTON
REAVERTON
BLOOMFIELD
MEDINA
LA CANADA
DATELAND
DATELAND
BRIGHTON
OURAY
ST PAUL
ARGATA
BOUNTIFUL
SANTA FE
DATELAND
FLAGSTAFF
TULSA
NORWALK
PHELAN
BOISE
SEATTLE
DATELAND
BLAINE
PHOENIX
BOISE
DATELAND
SPEARFISH
LAKE STEVENS
GLENDALE
LISBON
ELK GROVE VILLAGE
SIOUX CITY

KADLEC, KENNETH &	MULLEN JOHN ROBIN 1/2 INT	22397 BULSON RD	MOUNT VERNON	WA	98274
MULLEN CECILIA P 1/2 INT &		PO BOX 2246	AMHERST	MA	01004
URBIETA AGUSTIN		2651 S 16TH DR	YUMA	AZ	85364
WAL RAVEN TROY REVOCABLE TRUST 3-29-04		7564 FLOWING STREAM DR	LAS VEGAS	NV	89131
PACHECO LUZ & MARIA ENRIQUETA JT		45306 313TH ST	MECKLING	SD	57044
HERNANDEZ MARTIN & ARACELY		PO BOX 3064	DATLAND	AZ	85333
MORENO MICHELLE ANN		PO BOX 3179	DATLAND	AZ	85333
HERRERA ERNESTINE L		637 DESERT ROSE ST	IMPERIAL	CA	92251
JOHNSON JERRY J & DELORIS		1635 W 3RD ST LOT 7	YUMA	AZ	85364
GOHEEN PAUL L & CECELIA L		94113 140TH AVE NE	CAVALIER	ND	58220
IRVIN JOSEPH H & IRMA V JT		733 S E 11TH AVE	HILLSBORO	OR	97123
TURNER WALLACE B		PO BOX 3147	DATLAND	AZ	85333
MCDANIEL DELORA MAE &	MCDANIEL ARTHUR DALE	10858 RUEDA CT	SAN DIEGO	CA	92124
W R FAMILY LIMITED PARTNERSHIP		PO BOX 664	PARMA	ID	83660
FAZIO LAND HOLDINGS LLC & FAZIO DORA M FAMILY LLC		PO BOX 2016	YUMA	AZ	85366
COPPOLA VINCENT A & SANDRA J TR 4-7-08		11188 S HAVANA AVE	YUMA	AZ	85366
SMITH RUDGER G ESTATE	SMITH GRACE W PER REP	1950 E 24TH ST NO 24	YUMA	AZ	85366
HETTINGER HEIN & ELLEN TRUST		1822 N TUSCORY WAY	PLEASANT GROVE	AZ	85366
HAFNER ERNEST R & OTTILIA C		PO BOX 51630	IRVINE	UT	84062
FUNDA LUMIR & ANTONIA		3003 NO CENTRAL AVE	PHOENIX	CA	92619
LA LONDE ROBERT J II & ANNA M TRUST*		834 JUNIPER DR	LOGAN	AZ	85012
KNOFF CLARA MARIE		PO BOX 3200	DATLAND	UT	84321
LOONEY CHARLES S &	RUCKLE BEN	1924 14TH AVE NW	E GRAND FORKS	AZ	85333
BELTZ MARGARET C		2005-12 BURTON ST	SAN DIEGO	MN	56721
SCHUMACHER LYDIA I		5252 TRADING POST TRAIL	SAN DIEGO	CA	92111
ISZLER NORLYN		PO BOX 305	AFRON	MN	55001
HANNEGREFS LESTER D	HANNEGREFS DALE D	PO BOX 478	STREETER	ND	58483
MESSNER LEROY P & WILLADINE A		PO BOX 3205	STREETER	ND	58483
TROM ORDNER S & EILEEN H		46685 43RD AVE SE	CREEDE	CO	81130
MAGIAS ROSELIA		762 FILER AVE	TWIN FALLS	ID	83301
IRVIN J H & IRMA JT		3203 N 15TH ST UNIT 128	GRAND JUNCTION	CO	81506
DOLL JOSEPH D & HELEN		PO BOX 3137	DATLAND	AZ	85333
LEHMAN DELORES M TRUST 8-3-13		3755 COUNTY RD 84	DATLAND	AZ	85333
FAIRBANKS LARRY & NORALEE TRUST		1228 E MC FARLAND AVE	NEW SALEM	ND	58683
PAPENFUSS CHARLES H ETAL		233 WOODRIDGE DR	COEUR D ALENE	ID	83814
KNIGHT MELVIN G & LIKA K		12843 SOUTH ST	TWIN FALLS	ID	83301
LUND JAMES & TERRI		11395 1ST W	GARDAR	ND	58227
THOMAS KEITH L & MAXINE E JT		2222 CHERRY LN	STAR	ID	83669
SCOTT GARY B		5075 LEONARD RD SP 32	EMMETT	ID	83617
DIAZ ISA		12574 E 40TH ST	GRANTS PASS	OR	97527
RUCKLE BEN		2136 S 27TH AVE	YUMA	AZ	85367
BEILKE LISA		2360 1ST	YUMA	AZ	853646019
ROGNESS PETER E &	EVELYN ROGNESS	31 S 63RD ST STE 2	SACRAMENTO	CA	95616
CHAGAS WALLACE R		5 RIVERSIDE DRIVE SFC 12A	MESA	CA	95206
SCHERR JOHN & DONNA JT		PO BOX 3257	NEW YORK	NY	10023
DUNCLEE ALLEN D & ROSANNA E		107 N 10TH ST	DATLAND	AZ	853333257
MINDT ARNOLD W & JUANITA JT		15960 93RD ST NE	OAKES	ND	58474
ROBERTS WILBURN C & EVA H*		30167 US HIGHWAY 12	DRAYTON	ND	58226
BINGEL JAMES R & GERALDINE JT		1223 W 13TH ST	SELBY	ND	58472
SAMORA CATALINA		27423 E EUCLID DR	BUSBY	SD	57472
ROEMMICH LOUISE M		429 N 41ST PL	AURORA	ID	83318
FAIRBANKS REX W & GOLDA M		3966 N GATEWAY DR	PHOENIX	CO	800162508
GULBRANSON CLAYTON M & ELVIS A JT		504 S I ST	POCATELLO	AZ	850066417
ASHCRAFT CLAUDE J &	ASHCRAFT TERRY D	2645 COOK AVE	POCATELLO	ID	83360
GALVAN EUDAVE GONZALO		PO BOX 3183	BILLINGS	MT	59102
SCHIMMELPFENNING LARRY &	VIGSTOL CAROL JEANNE &	13600 72ND ST N W	DATLAND	AZ	85333
REICHERBERG HAROLD & ADELINE		421 7TH AVE NE	MINOT	ND	58701
COOPER ANDREA L & JEFFREY JT		379 RIDGECROVE DR W	HAZEN	ND	58646
FRANKLIN TREVOR		PO BOX 51	PALM HARBOR	FL	34683
OLSON GRANT K & SHIRLEY C JT		7650 HIGHWAY 1804 S	WINNIPEG	MB	R3J 1H9
MAC DONALD JAMES W		605 S WOODLAND AVE	UPSOLA	MN	56364
BOBILLO RAYMOND		23 SEMINOLE CT	BISMARCK	ND	58504
BOZARTH MARY LYNN		5510 3RD AVE NW	MICHIGAN CITY	IN	46360
ROACH WILLIAM & CORA		2772 PFEIFFER WOODS DR APT 4308	SAN RAMON	CA	94583
DE GROOT JOYCE &		337 S GOLFWOOD CT	SEATTLE	WA	981072701
SCHWARTZ KATHLEEN & RONALD TRUST			GRAND RAPIDS	MI	49512
			PUEBLO WEST	CO	81007

BAUMGARTEN JOEL R &
 GARBE NEOLA C S/S
 LEASE HAYDEN & LOLA
 GOWIN RUBY A
 FOUSSEL WALTER
 MC FARLAND LOREN R & PEARL V JT
 JAVAUX JANE A ETAL
 LENO ELSIE S/S
 DATELAND TIRE SHOP LLC
 PONCELET STANLEY N & ELAINE J JT
 MDS122804 CORP
 BUTCHER GLENN E & ANN L JT
 GIESER KING PATRICIA
 RIVERA PETRONILO THOMAS JR
 RODRIGUEZ LUIS MANUEL
 MACIAS CARLOS ANDREAS
 AMERICAN BIO-CARE LLC AZ CORP
 BENNETT KERRY L & JEANNIE K JT
 DEISSLER KURT G
 MANCILLA CARLOS
 DATELAND PUBLIC SERVICE CO INC
 STEPPE ROGER B & LOUISE H
 FAY LEO R
 RYHERD SAMUEL C & MARGARET A JT
 KING FRANCIS JOSEPH &
 KJ INVESTING MN LLC
 ASHCRAFT LOIS KAY TRUST 7-19-07
 WYATT SHARON
 HARP KENNETH A & MONICA
 BRUNELLE ALDO S/S
 CARR EMILIE C
 THOMPSON L DAVID
 SWANSON LINDA J
 LOPEZ CHRISTOPHER & MARIA DE JESUS JT
 GUTIERREZ MARY I &
 KEITHLY DEAN E & LORETTA
 AEA FEDERAL CREDIT UNION
 CASTILLO CRESCENCIO
 ANDERSON DONALD L & ANN M
 HERNANDEZ MARIA
 SUMMERVILLE JULIE A
 GOLDMANN CHARLES JOHN
 LEETCH MATHEW
 NEILSEN CATHERINE R S/S
 PORTER DAVID L
 WHITEHEAD DENARIS S/S
 SCHWEITZER ELMER & CATHERINE
 SMITH DONALD L & MARJORIE M JT
 LIZARDE JOSE &
 MARSHALL RALPH G & MILLIE E
 BROADWAY BRETT
 FELLOW PETER & JUDY
 GREEN IRENE C
 PULKRABEK DOROTHY J
 DESANTIAGO JAVIER & NORA T
 BERRY MICHAEL
 STERPE LOUISE H &
 MOORE LLOYD &
 LAWSON SHERMAN W & JANETE
 PECK CARL & BARBARA
 JESPERSEN CARLA JOYCE
 ROSCAMP RANDY & SIAGLE PEGGY
 SEFELT RODGER T
 GRECO SAM P & RUTH M
 MARTINEZ LUPE R

JAVAUX FREDA M LIFE ESTATE

3635 41ST AVE
 1213 GLACIAL DR
 PO BOX 3081
 20300 - 55TH ST NE
 1647 LAUREL HILL DR
 305 S MAIN ST BOX 88
 18802 GALLOWAY RD
 3363 GLYNWATER TRL NW
 PO BOX 3164
 674 E SPRING VALLEY CIR UNIT 101
 51221 60 3/4 STREET
 730 2ND SW
 14200 SE 270TH PL
 PO BOX 3108
 PO BOX 3086
 8468 W LEWIS AVENUE
 14027 N 34TH AVE
 PO BOX 1206
 3218 160TH AVE EAST
 227 SAINT FRANCIS AVE
 PO BOX 3011
 11762 DE PALMA RD--1C39
 413 W MARION
 RRT BOX 117A
 209 SHOTWELL PARK
 101 LINDEN AVE
 2437 EASTRIDGE DR
 PO BOX 3061
 PO BOX 29542
 2660 173RD AVE SE
 10313 E 38TH PL
 20011 CLUTTER RD
 210 CEDAR
 PO BOX 3158
 1401 S LA BRUCHERIE RD #4
 3072 DUCK HORN DR
 1780 S 1ST AVE
 10251 E 36TH ST
 BC 1 BOX 304
 1188 NE 27TH ST LOT SP 67
 PO BOX 1084
 PO BOX 3067
 2607 TALBOT CREST DR S
 5615 SELFORD RD
 641 ALDER ST
 5006 W VIEW DR
 126 FULCHER LANE
 8468 S 625 E
 20044 KENOSHA RD
 PO BOX 3085
 437 WHITING ST
 2101 ADAMS AVE
 7090 N MCKINLEY
 4063 WESTVIEW LN
 8613 E VIA DEL PALACIO
 11163 S HAVANA AVE
 4742 S CLAY COURT
 PO BOX 1848
 PO BOX 350
 375 ERIC LN
 PO BOX 3049
 W 3623 HEROY ST
 7705 55TH ST E UNIT 8
 1215 28TH AVE N E
 5026 S 66TH ST
 4122 DAISY ST B

DATELAND UTILITIES:3412 WEST 2ND STREET

NEW SALEM
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 EL CENTRO
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 DATELAND
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 EDMONDS
 EVERETT
 GREENBANK
 LAOGA
 AUSTIN
 DATELAND
 WHITING
 SAN DIEGO
 FLUSHING
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 SCOTTSDALE
 YUMA
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 RONALD
 TEMPLETON
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HAYNES BARBARA JOANNE	4700 E MAIN SP 1888	MESA	85205
BARNES HERMAN E INC	1155 N CENTRAL AVE SFC 209	GLENDALE	91202
YATES JACKIE DIANE	1752 W GREENLEAF AVE	ANAHEIM	92801
YESS JACK K & BEULUH M	PO BOX 562	SOUTH PEKIN	61564
HAND MERLE I S/S	PO BOX 286	OCEAN PARK	98640
SCHROEDER FRED G & DOROTHY R	515 W TEAL AVE	WA	98218
SMITH ORDEN E & SHERINA	1864 E WINCHESTER PL	SPokane	85249
MARKS DENNIS N & NANCY S	1800 JEFFERY LANE	CHANDLER	85208
BASSETT FARMS AZ LLC	3567 E SUNRISE DR SP 219	CARMICHAEL	85718
DRAGSETH POWNING BARBARA JO	HC 60 BOX 150A	TUCSON	95753
STILES PATRICIA	2111 W IRVINE RD	PHOENIX	85086
WHITE WING RANCH NORTH LLC	350 W WASHINGTON ST STE 600	TEMPE	85202
BIGGS MARGARET A	2213 W DEL ORO CIRCLE	MESA	47470
CARPENTER JOHN R & PATRICIA M	22900 VALEY AVE	WILLIAMS	47470
KONZIOLOA JOSEPH D & PAMELA JT	1815 SMALLBROOK DR	TROY	48098
HAYES FRANK F	8372 DEEPVIEW DR	HUNTINGTON BEACH	92648
WATTS PAM & DOUGLAS JT	68 1875 PUUNUI ST	WAIKOLA	96743
GAFNEY TRUST A 8-31-81	18735 W BERNARDO DR #1325	SAN DIEGO	92127
REBAR GILBERT L & SHARON L &	PO BOX 406	FENTON	48430
KLOS KAREN ANNE	3503 N CAMPBELL AVE SUITE 101	TUCSON	85719
RUSH TARK & DORIE &	PO BOX 901	EMIGRANT	59027
NEGARAN HOBBIIE &	1357 S HETTEMIA ST	YUMA	85364
BRAVO JOSE &	30080 ASTOR ST	FARMINGTON HILLS	48336
INVESTOR SYNDICATE LLC	17639 S AVENUE 3E	YUMA	85365
FIELDS MICHAEL E & ELAINE	14403 MARTA DE FORTUNA	YUMA	85367
KOZMATA JOSEPH W	1402 N SHORT BEACH CT	STRASBURG	80138
LINAREZ CRISTOBAL	27796 INCA	MISSION VIEJO	92692
ANDREASKY DECLARATION OF TRUST 6-30-93*	16290 S AVENUE B 1/2	SOMERTON	85350
BLAKESLEY LEONARD E JR	820 S REED RD	CHINO VALLEY	86323
UNIVERSAL ANESTHESIA ASSOCIATES PLLC DEFINED BENEFIT PL 1-1-11	PO BOX 12075	MARINA DEL REY	90281
STONE RIDGE CHURCH AZ CORP	PO BOX 5331	SCOTTSDALE	85261
SOUTHWARD KENNETH A	6300 E 24TH ST	YUMA	85365
PETKOVICH CYNTHIA S IRA & WALLER BRUCE & PICKET POST LLC	PO BOX 1437	VENETA	97487
GILWELL DAVID L & CAROL A TRUST 6-6-02	8929 N 181ST AVE	WADDIELL	85355
CALBERT LAMBERT O TRUST	1744 E CLAVARY RD	NEW RIVER	85087
JOHNHYDER LAND AZ LTD PARTNERSHIP	8548 VINE VALLEY DR	SUN VALLEY	91352
DOUGHTY ROBERT W & JUDY C JT	9404 W MISSOURI	GLENDALE	85305
ROBLES ADALBERTO & MARIA L TR 7-26-07	PO BOX 11681	CASA GRANDE	851301651
HYPO REVOCABLE TRUST 9-19-09	1103 W 37TH ST	YUMA	85326
SHERWOOD REED S & JAMIE 1/2 &	25518 W WHYMAN ST	BUCKEYE	85213
CANTOR IRWIN	3325 N VAL VISTA	MESA	85007
FARR PARTNERSHIP	1808 PALMCROFT WAY NW	PHOENIX	85381
PEREZ TRUST 2-2-94	14223 N 90TH DR	PEORIA	85381
DAVIS DOUG & TERESA JT	PO BOX 213	UPLAND	91785
CHAMBERS JACKLYNN TRUST 3-17-98 1/3 &	10004 WALNUT AVE	SOUTHGATE	90280
CIBULSKIS FAMILY LLC	PO BOX 6668	WETASKIWIN	79A 2G5
CHARTER PROPERTIES ME CORP	7752 N GREGORY AVE	FRESNO	93722
STEPHENS DOUGLAS R	4 IN 151 COUNTRY VIEW LN	ELBURN	60119
PRAIRIE TANK & CONST CO IL CORP 1/3	37 A ST	SOUTH PORTLAND	04106
JESSER GREG M	18607 S AVENUE 3 1/2 E	YUMA	85365
CAUGHLAN JASON	PO BOX 169	WELLINGTON	80549
AHMED MEHBOOB	9803 NW 29TH AVE	VANCOUVER	98666
HYDER VALLEY IRRG WATER DIST #84-1 80	76187 CHICAGO LN	DATLAND	85333
KIRTLAND WHITEFIELD W	4332 MANHATTAN AVE	BROOKLYN	11224
BEVILACQUA ROBERT J AND JEANNE G AND	77390 SIOUX DR	INDIAN WELLS	92210
PECHACEK GLAUDIA L GST TRUST 4-26-04 &	HC 1 BOX 206	DATLAND	85333
ARIZONA PUBLIC SERVICE CO	9824 E CACTUS RD	SCOTTSDALE	85260
SALVADOR HECTOR E & ELBA J JT	PO BOX 554	MOYIE SPRINGS	83845
CAUGHLAN MARIA D	PO BOX 53999	PHOENIX	85072-3999
MCDERMID FAMILY LIVING TRUST 5-5-97	15 S NEELY ST	GILBERT	852335829
NEELEY ROCK RAM &	PO BOX 3144	DATLAND	85333
DURAN CAROL A	873 CANYON RIDGE WAY SPC 20	MIDVALE	84047
RIVERA RENEE LINDA ETAL	11202 SWAMP LAKE RD	WILLIAMS	47470
ELECT COOPERATIVE GROUP AZ CORP	76395 W CACTUS CANYON RD	DATLAND	85333
BELL PARTNERS LIMITED PARTNERSHIP	39005 N 21ST AVE	PHOENIX	850660536
	HC 1 BOX 39	DATLAND	85333
	2211 E CAMELBACK ROAD SPC 1202	PHOENIX	85016

MICHEL'S MARK & TERESA	17989 W HAPPY VALLEY RD	WITTMANN	AZ	85361
BENTLEY 2005 CALED & CASE SHIRLEY ELLIS TRUST & ELLIS RONALD B	1850 ALICE ST	OAKLAND	CA	94612
DATLAND ARIZ INV CO INC	220 S E 106TH AVE	PORTLAND	OR	97216
WILLIS DIANE ET AL	1808 34TH ST NW	CANTON	OH	44709
RUSCH BRIAN D & DIANE M TRUST	460 FLOWER DR	FOLSOM	CA	95630
ARONSTAM FAMILY LTD PART	5930 SOLAR POINT LN	HOUSTON	TX	77041
MARTIN ROBERT GALE TRUST 12-11-2007	362 SCHWEERS LN	MT PLEASANT	SC	29464
COCOPAH NURSERIES OF AZ INC	81-880 ARJUS AVE	INDIO	CA	92201
GPR CAPITAL LLC	5235 E SOUTHERN AVE STE D108-211	MESA	AZ	85206
FIDELITY SECURITY LIFE INS CO INC	3130 BRDWAY	KANSAS CITY	MO	64111
SIETZ LAWRENCE S	1573 FRANKLIN ST	ANN ARBOR	MI	48103
NORTON HAROLD L & ALICE JANE TR 3-15-00	14225 N RALSTON RD	DATLAND	AZ	85333
WESTGATE GARY	2481 S 29TH ST	YUMA	AZ	85364
LAKER FAMILY TRUST 10-15-04	406 E CENTER ST	GENOLA	UT	84655
SMITH DONALD E & MARIA TERESA JT	21817 OCOTILLO WAY	APPLE VALLEY	CA	92308
SALMON STEPHEN K & HILARY K JT	33 OFFICE PARK UNIT A216	HILTON HEAD	SC	29928
STANDISH JOHNSON CO	PO BOX 5055	GREENE	RI	02827
HYDER-HOW 1 LLC AZ LLC	135 HWY M	VILLA RIDGE	MO	63089
TERRY ORYLN & FLORA JT	1763 MONTANE DR E	GOLDEN	CO	80401
GERRITS KAREN LUNDIN	N 7781 LAKESHORE DR	FOND DU LAC	WI	54937
REES WAYNE M	PO BOX 1814	CARLSBAD	CA	92018-1814
PEREZ VALARIE P &	1353 TERRA NOVA BLVD	PACIFICA	CA	94044
BREYTON CHRIS	11852 E HUNT HWY	CHANDLER	AZ	85249
BECKETT MONA RENE	1338 E ELLIS DR	TEMPE	AZ	85282
ALFARO JOSE & RUIZ MARIA DEL CARMEN &	2220 S 72ND LN	PHOENIX	AZ	85043
GIANNIS GINA D S/S	1149 N 92ND ST SP 298	SCOTTSDALE	AZ	85256
WEST N E & DOROTHY M JT	120 GORDON WAY	GRANT'S PASS	OR	97527
SCOTT M BETTY S/S	1997 CLEARVIEW AVE	NORRISTOWN	PA	19403
BARRON JEROME & MARY F	2987 LAUREL ST	NAPA	CA	94558
DIAZ JAQUELINE & JORGE L	6456 BALBOA	VAN NUYS	CA	91408
BONDI ETHEL C	2436 ASHEN LIGHT DR	HENDERSON	NV	89044
SVOBODA DONALD MICHAEL	2212 WESTRIDGE	OGALLALA	NE	69153
ENCISO EUGENIO M & SYLVIA TRUST 2-19-2015	1071 SPAZIER AVE	BURBANK	CA	91502
MANDRACCHIA AUGUSTUS F & MARY JT	3 E GERMANTOWN PIKE	NORRISTOWN	PA	19401
ACCURATE EXCAVATION LLC	4833 E 30TH PL	YUMA	AZ	85385
BISCOTTE ANTHONY & J	2637 RIVER DR	DANVILLE	PA	17821
CHRISTENSEN ROBERT F TRUSTEE	3105 CALVERY RD	COUNCIL BLUFFS	IA	51503
CAMPOY BETTY J	67155 E COUNTY 8 1/3 ST N	DATLAND	AZ	85333
STARR DANIEL R	1823 NORTH SHORE DR	CLEAR LAKE	IA	50428
HYDER SOUTHERN BAPTIST MISSION	1000 E 24TH ST	YUMA	AZ	85365
BLESSING J A	RT 3	MEMPHIS	MO	63555
DURETTE REJEAN	873 HOWARDS RD STE 29	CAMP VERDE	AZ	86322
HOOFARD CORRIE R TRUST 7-28-05	570 CROYDEN LN	CAMBRIA	CA	93428
BYERS SHARON RAE &	311 CHINOOK STREET	MOLALA	OR	97038
FLORIG ALBERT J & MARYROSE	670 LANTERN LN	BLUE BELL	PA	19422
MUSZYNSKI EDWARD J & VICTORIA P TRUST	315 WEXFORD DR	HURON	OH	44839
CRAWFORD KIANA R	7915 S EMERSON AVE STE B BOX 128	INDIANAPOLIS	IN	46237
CROFT KAM LALEEN	125 W 21ST ST	YUMA	AZ	85364
FORTNEY VORGINIA L TRUST 11-19-99	5923 E 96TH COURT	TULSA	OK	74137
ASHCRAFT JOHNNY R SS	75 E CALLE PUENTE AZUL	SAHUARITA	AZ	85629
HEL CAMP ELIMAR T & VIRGINIA	50 LEXINGTON AVE APT 19A	NEW YORK	NY	10010
HATTAWAY JERRY W & ROSIE YANES TRUST 05-20-2012	522 PUCKETT LAKE RD	WEST MONROE	LA	71292
GUILLEAUME MICHAEL J	27820 N 11TH WAY	SCOTTSDALE	AZ	85262
CANTARA WOOSTER REVOC LIVING TRS 1-2-92	2855 FARM BROOK TRAIL	OXFORD	MI	48370
THOMAS TOMMY H & THOMAS FARLON WYATT & THOMAS RENITA LOLA ALL JT	6118 W CHAPAY ST	YUMA	AZ	85364
NIXON EARL R & JUNE B JT	1336 CATALINA RD	DATLAND	AZ	85333
SMALLEY CLAYTON	PO BOX 18023	COFFMAN COVE	AK	99918
GARCIA JOSE ALFREDO &	HC 1 BOX 21C	DATLAND	AZ	85333
ERB ALICE LEOLA	PO BOX 3010	DATLAND	AZ	85333
AUSTIN CAROL	2330 S AVENUE A APT H-1	DATLAND	AZ	85333
DEBASU GRICELDA MORALES	PO BOX 3043	DATLAND	AZ	85333
ALMAGUER MONIQUE	11200 S SIERRITA MTN RD #200	TUCSON	AZ	85736
BEAVER ROLLIN L	6485 CHURCH RD	FERDALE	WA	96248
BEZONA ROBERT F AND	PO BOX 3128	DATLAND	AZ	85333
CAUGHLAN DELFINA	59132 W HIGHLINE RD	DATLAND	AZ	85333
FULLER GORDON H & MARIA H	PO BOX 31687	MESA	AZ	85276
ORINES JUAN & IGNACIO				

MACK STANLEY S/S/S*	1425 NE 4TH PL	FL	33909
BISBO MARVIN SS	776 COUNTY RT 11	NY	13167
RODRIGUEZ VICTOR D	2167 A HIEMS COURT	CA	92231
JULIUS KENNETH	PO BOX 3076	AZ	85333
ARNOLD ROBERT L & PAULETTE A JT	102 W EVERGREEN CIR	AZ	85541
ARIZONA PUBLIC SERVICE COMPANY	ARIZONA PUBLIC SE PO BOX 53989 MS 9505	AZ	850723999
DATLAND ARIZONA INV CO	19007 CARSON DR	AZ	79827
BOWER SARAH L	16 ORBIT LN	TX	79827
THOMPSON LOUIS JR	PO BOX 3133	NY	12533
MAYNES CHRISTOPHER & ANNETTE M JT	1411 CATALINA RD	AZ	85333
HEIL PAUL &	13403 S 218TH AVE	AZ	85333
MARTINEZ ANGELICA	PO BOX 3237	AZ	85326
CONWELL JERRY S TRUST 12-8-09	6108 B ESSEX HOUSE SQUARE	AZ	85333
CONRAD EUGENE ROGER	10938 PRESIDENT DR N E	VA	22310
HARRIS JOHN F & BARBARA J	14391 CHALFONT DR	VA	55434
KINOX PAULINE B TRUST 6-1-99	7088 BUCHANAN AVE	VA	20169
THOMAS GRETCHEEN K	2240 W 17TH PL	CA	92404
GAVILANES ANSELMO P & EDELMIRA P JT	PO BOX 3223	AZ	853645145
JACOBSON COMPANIES INC AZ CORP	PO BOX 1334 S 5TH AVE	AZ	85333
BOAN TEDDY	PO BOX 3240	AZ	85364
ARIZU JUAN DAVID & MARIA DE LA LUZ JT	44 W CALLE 2ND	AZ	85383
ODLE GARY DEAN	PO BOX 46	AZ	92249
ZECCA SUZAN ANN	PO BOX 132	CA	56069
AMOS GORDON & SHARON	1106 W PARK ST #280	CA	56069
MORGAN FAMILY TRUST	PO BOX 132	MT	59047
ESKER WILLIAM D & BARBARA L JT	3512 NE 168TH AVE	ID	838690132
KRIENKE EILEEN	AGRICULTURAL SUE PO BOX 90844	WA	98682
HARVEY MICHAEL D	3423 DRIFTWOOD	WA	98682
SNYDER CEPHA G	2265 NE 33RD AVE	CA	93455
FUGLEBERG TONI &	15703 BUDD RD	CA	93455
PIERCE NANCY H	PO BOX 600	MI	49017
PIERCE SCOTT T	607 27TH ST NW	TX	77563
ROLLAND PASCAL &	11039 ACHILLES WAY	MN	55901
HOOCTOR SHAFFER LEAH TRUST 1-8-76	11755 N AVE 76 E	CA	92126
SILVERIA DEBORAH H	AGRICULTURAL SUE 20727 N LA ENDRADA	CA	92126
HEIL PAUL A 98-15 &	4674 SENATOR	AZ	85333
AP LAND INVESTMENT LLC	1855 S SANDARIO RD	AZ	85329
CASTILLO ANGEL ET AL	14437 N 55TH PL	AZ	85743
HENDERSON JANICE	PO BOX 1284	AZ	85254
PHARES NICOLE	11543 N AVE 76E	AZ	85326
CONDE FERNANDO & CLEMENTINA	HCR 1 BOX 45	AZ	85333
RODRIGUEZ TITO C & BERTHA G JT	HC 1 BOX 36	AZ	85333
DATLAND AZ LLC	17983 W 34TH PL	AZ	85333
POMPA SIMON & CELIA JT	8523 S STANLEY RD	AZ	85385
CHAPPELL BYRON & ROSALIE JT	PO BOX 2926	AZ	85284
LUCKY DAY LLC	142 CRAMPTON COVE	AZ	85350
MARTINEZ FAMILY AZ LLC	4521 W MISSOURI AVE	TX	78737
SCUDERIA TRAVERSO LTD LIABILITY PTNR &	3888 W COUNTY 17TH ST	AZ	85301
MAGO NARESH & RUCHIRA JT	9096 E FRIESS DR	AZ	85350
ANAND SAMEER KUMAR & NEERA JT &	2765 W DEL RIO PL	AZ	85260
MILLAR MARY EUGENIA	2765 W DEL RIO PLACE	AZ	85224
KATARIA SUBHASH & KAMLESH KATARIA JT	35 LOPEZ AVE	AZ	85224
RIDER BETSY	1515 E CAPTAIN DREYFUS AVE	CA	94116
ARIZONA TELEPHONE CO	330 W 24TH ST	AZ	85022
MELJA FRANCISCO	ARIZONA TELEPHON 525 JUNCTION ROAD	AZ	85364
HERNANDEZ ANGELICA	PO BOX 1151	WI	537170000
HEIL PAUL A	PO BOX 3046	AZ	85356
ZOSLOW JACK & ROSA JT	59150 OLD AGUA CALIENTE RD	AZ	85333
KRAFFT SUE	PO BOX 25635	AZ	85333
RYMILL SAMUEL W & LOIS I TRUST 1-22-02	PO BOX 399	AZ	85387
MCNEELY BETTY LOU	4043 HILLVIEW RD	KS	66083
SUSURAS NICK JR	16628 MILITARY RD S	CA	93455
COPELAND CECIL L & V NAOMI JT	11427 N SUN VALLEY DR	WA	98188
FRISCHE SCOTT & ROXANNE LEE JT	3645 W COLUMBIA RD	AZ	85351
MILLER WILSON D	1011 S IRONTON DR	MI	48854
MCMANUS WANDA G	25793 CEDAR MESA RD	AZ	85029
MARTINEZ GUADALUPE	3130 E ALYORD RD	CO	80012
		CO	81413
		AZ	85706

AGUA CALIENTE SOLAR LLC	211 CARNEGIE CENTER	PRINCETON	NJ	085400000
RIDER LYLE ET AL	833 E PLAZA CIR SITE 200	YUMA	AZ	85365
FLORANCE JOHN D 1/2	2640 SW MAPLE LN	PORTLAND	OR	97225
GRABOWSKI WALTER & VIOLET	3603 BIRCH	LUPTON	MI	48635
MABROUK SAMY M &	5114 LIGHT BLUFF CT	SPRING	TX	77373
WEBER BRUCE W & CONNIE S JT	3880 STOCKTON HILL SUITE 103 BOX 148	KINGMAN	AZ	88409
GRINDE JAMES & LINDA JT	8222 SHOEMAKER RD	MARYSVILLE	WA	98271
ALLEMEERSCH PAUL & SYLVIA	2056 TOPPING ST	TRAIL	BC	VIR 4GS
DENICK DENNIS J & JANET L	2912 N WHITEHALL RD	NORRISTOWN	PA	18403
WRIGHT JOHN N & JANE R JT	923 N HERITAGE	MESA	AZ	85201
BRIDGES VOIGT CECILIA R TRUST	12303 NORLAIN AVE	DOWNNEY	CA	90242
LA RUE LOUISE C & DONNA L JT	9508 N MISSION VALLEY PL	TULSON	AZ	85743
AMERICAN DREAM LANDS AZ LLC	PO BOX 1712	FLAGSTAFF	AZ	86002
BROWN NORMA JEAN	3257 N 3600 E	KIMBERLY	ID	83341
FUGO ROBERT	PO BOX 187	FREDERICK	PA	19435
CRANDALL JANE C DECLARATION TRS 11-20-96	5436 PINEDALE CT	RAPID CITY	SD	57702
HYDER VALLEY SUPPLY AZ LLC	208 N VALERIE	SANTA MARIA	CA	93454
STEGER MARY RUTH	19310 N AVE 72 E	DATLAND	AZ	85333
PONCE RAMON F & ADRIANA JT	1013 KING DR	BARTLESVILLE	OK	74006
RANGEL ALVARO & MIRIAM S	3088 S 47TH AVE	YUMA	AZ	85364
ETTIINGER SUZANNE UND 1/2 INT	8815 S AVENIDA DEL PRADO SP 11	YUMA	AZ	85365
NEELEY GENEVIVE &	PO BOX 213 E 19906 MT VIEW RD	NEWMAN LAKE	WA	99025
BLUE RIDGE CO LLC	PO BOX 65657	DATLAND	AZ	85333
HOLBROOK TIMOTHY R & JAQUELINE S JT	34723 PILOT POINT NE	SALT LAKE CITY	UT	84165
BROWN LINDA & DALE JT	12361 N AVE 78E	KINGSTON	WA	96346
BABIARS HELEN M	2781 COUNTY RD 1300 N	EL PASO	IL	61738
MARTINEZ FAMILY LLC	11403 E VIA MONTANA	YUMA	AZ	85385
JENKINSON DEBORAH ANN	PO BOX 1750	SOMERTON	AZ	85350
LITTLE J KENNETH FAMILY 1976 TRUST C	7801 ARZONA AVE	LOS ANGELES	CA	90045
MESA DEO R	27169 E EL MACERO DR	EL MACERO	CA	95618
BESWICK DOROTHY M	631 E 3RD ST	RIALTO	CA	92378
HAUSE HARRY BURT	134 RIDGEFIELD RD	NEWTOWN SQUARE	PA	19073
MASSINO DONALD P & WILMA H	PO DRAWER 1600	BEEVILLE	TX	78104
BUTLER BRETT	2752 MAPLEWOOD MEWS	AUDUBON	PA	19403
MCKELVEY CAROLYN J MALOUFF	PO BOX 50477	PARKS	AZ	86018
NEINAST VICTOR LIVING TRUST 2-08-01	593 S 4TH AVE	YUMA	AZ	85364
KLOS HENRY A & VERNIA M &	37798 E COUNTY 812 ST	WELLTON	AZ	85356
LAUTERBACH LOUISE &	3700 BOVAIRE PL	EDMOND	OK	73013
SPROUL DALE T LEAH	321 EMPIRE CT	GRASS VALLEY	CA	95945
ODONNELL DENNIS	8125 E 3RD AVE	MESA	AZ	85208
JOHNSON F MICHAEL	PO BOX 190	LINDEN	VA	22642
HAGENMAIER JANICE F	3821 E RED BRIDGE RD UNIT 3	KANSAS CITY	MO	64137
WOLGAMOT FORREST L	1305 CATALINA AV	SEAL BEACH	CA	90740
MUTZIG MIKE M & MARGARET R JT	3543 W 5TH ST	YUMA	AZ	85364
MOBILE AMERICA CONST INC AZ CORP	3781 LAKEVIEW DR	SHINGLE SPRINGS	CA	95662
TORREZ TRUST 04-08-98	PO BOX 11790	CHANDLER	AZ	85248
COOPER GEORGIA K TRUST 05-06-96 1/2	24 N 10TH ST	PHOENIX	AZ	85034
B & K MANAGEMENT LTD	PO BOX 11917	MARINA DEL REY	CA	90295
VEGA UBALDO M & MARIA G 2/3 &	2688 OASIS ST	LAVEEN	AZ	85339
SMITH DEREK	PO BOX 39	IMPERIAL	CA	92251
BARRY BARBARA J	PO BOX 1824	FLORA VISTA	NM	87415
WESTLAND WATER AZ LLC	13237 N AVE 76 E	CHINO HILLS	CA	91709-0061
NEWMAN MARGARET ANN	PO BOX 3165	DATLAND	AZ	85333
QUIRING LIVING TRUST 10-28-97	5041 ELGAROSE RD	DATLAND	AZ	853333165
YUMA WERDEN TRUST	225 EAST 7TH ST	CARROLL	OR	97471 9741
HENDERSON JANICE L	11543 N AVENUE 76 E	DATLAND	IA	51401
HEIL PAUL 98 15	4308 S 3150 WEST	DATLAND	AZ	85333
DIETERMAN TOM	2780 SOUTH PACIFIC AVENUE STE D	WEST VALLEY CITY	UT	84119
GAUSIN GERARDO M & LORENA JT	9348 E BUCKBOARD ST	YUMA	AZ	85365
WELLTON LAND COMPANY AZ LLC	3064 S AVE B	YUMA	AZ	85366
SORENSEN BETTE JEAN S/S	2803 TAMARACK TRL	YUMA	AZ	85364
MOORE KAY L	5828 GLENN ELLEN DR	APOPKA	FL	32703
DEVANEY GREGORY LEE	PO BOX 736	EUGENE	OR	97402
GARAST KATHLEEN	14220 N 61ST ST	ARCATA	CA	95521
JOHNSON LAURENCE H & JAGUA JT LIVING TRUST 10-12-99 &	2040 WHITEWING AVE	SCOTTSDALE	AZ	85254
HEUBEL WALTER H JR & EUNICE M	4800 GALICE RD	YUMA	AZ	85364
		MERLIN	OR	97532

BLOOMFIELD DIANE	PO BOX 3146	DATELAND	85333
CARVER MARY BARBER 1/2	7223 Twin Ponds Drive	Manitowoc	54220
CLARK STEPHEN L & CHELSIE E JT	228 PARK ST	STERLING	80751
BJORNSTAD ALVIN K TRUST	15818 136TH AVENUE CT E	PUYALLUP	983749887
CENDROSKI BARNEY L & FLORENCE	510 TIMBER WOODS CT	GAMBRIILLS	21054
COOPER RAYMOND L & BARBARA B	501 S 2ND AVE	HOPESTON	60942
MONTGOMERY HARVEY J & DOLORES C JT	PO BOX 3250	DATELAND	85333
IRVIN JOSEPH AND IRMA	1838 CAMINO DEL CALLE PO BOX 31470	DATELAND	85333
PORTER JO ANN	10359 RILEY CT	BOISE	83709
NIERENGARTEN RICHARD F & RUBY A*	228 HAMPSHIRE DR	HOYT LAKES	55750
GOWIN HAROLD M & RUBY A JT	800-16TH AVE SE APT 13	MINOT	58701
COOK ROBIN G	44032 MORNING STAR CT	ELIZABETH	80107
TURNER TERRY M & LINDA L JT	7300 OUITINGDALE ST	BAKERSFIELD	93309
ALEXANDERSEN ERLING & JENNY	PO BOX 441	MILTON	98354
PEQUENA MARINA L	8425 PASEO DEL OCCASO	LA JOLLA	92037
TRAVERS FAMILY TRUST 2-28-93	5209 BIG RIVER AVE	LAS VEGAS	89130
SCHRAAD JOE & SHARON JT	308 E 19	OWASSO	74055
DIETERICHS ANNA M	PO BOX 637	BUCKLEY	98321
NIESSEN RANDALL LAWRENCE	8743 SW JEFFERSON VIEW PL	TERREBONNE	97780
HAMILTON RICHARD J	PO BOX 3138	DATELAND	85333
PAOLOLO DAVID	1023 GLEN ROSE RD	STEPHENVILLE	76401
SPINOLA ROBERT II	5140 STAG HILL PL	PASO ROBLES	93446
PERGANDE JAMES & JOAN JT	1522 BRIGHTON	DATELAND	85333
CORN MARGARET L	6265 N PORTSMOUTH	BOISE	83714
BEZONA FAMILY TRUST &	THOMAS BENJAMIN N & PAMELA K JT	BELLINGHAM	98226
ZINGO DONALD & VIOLA JT	3412 W 2ND ST	ANACORTES	98221
KUNTZ GARY & JUDY	1025 MAIN ST	JESUP	516481011
PAPENFUSS EARL	19100 E 18 TERR SO	INDEPENDENCE	64057
NELSON AUGUST J & FRIEDA R JT	9136 CENTRAL AVE	INDIANAPOLIS	46240
HARTMAN VIRGINIA H	43 ANGUS DR	GLASGOW	59230
MESSNER LEROY P & WILLADINE JT	8403 LOUISA RD	LENA	61048
VAN BECK FLOYD & ESTHER* JT	762 FILER AV	TWIN FALLS	83301
RICE JUDITH UND 1/3 INT	W 3861 HWY Q	FOND DU LAC	54937
HOLMAN LARRY JAMES	102 128TH AVE NW	MINOT	58703
KELLER JAMES K & FRANCES M	1901 YOUMANS LN	MURCOUR	83843
SPEARS ROY L & MARGARET	30314 CONN CREEK CIR	MURRIETA	92563-4843
HACKNEY FAMILY LIVING TRS 12-7-00	2363 JOHN BEERS RD	STEVENSVILLE	48127
LIPPS F L	12216 INTERLAAKEN DR SW	LAKEWOOD	98498
MC CULLOCH ANNE MERLINE JACOBS	88388 313TH S	WAGONER	74467
SCHNEIDER JOSEPH W & MARY C	1396 SURREY PARK DR	PORT ORANGE	32126-3765
DAVEY JAMES V & ROSANNA TRUST 12-29-08	4240 TER LN	LINCOLN	68502
NORLIN LOLA P CAUGHLAN	4293 W EL DORADO RD	YUMA	85364
CHRISTOPH MATTHEW EDWARD	10778 RIDERWOOD TERRACE UNIT D	SANTEE	92071
MORAN MICHAEL	5323 BAYSHORE BLVD UNIT C	TAMPA	33611
ROJAS JORGE	3622 N NEW ENGLAND AVE	CHICAGO	60634
RODRIGUEZ GILBERT & LOIS RENEE JT	PO BOX 3045	DATELAND	85333
CLIFFTON DAVID AND NANCY TRUST 10-14-06	PO BOX 3008	DATELAND	85333
ATHA ROBERT W II & LOU TRUST 12-28-1989	PO BOX 3082	DATELAND	85333
MAYNES CHRISTOPHER D & ANNETTE M	5407 V/A DEL VALLE	TORRANCE	90505
REYNAGA MEDINA ARMONDO	PO BOX 3182	DATELAND	85333
HERRERA VICENTE DURAN & MARIA REFUGIO JT	4631 W 19TH PL	YUMA	85364
NEWELL WILLIAM M & HERIBERTA	PO BOX 3198	DATELAND	85333
ROOT KEVIN THOMAS	PO BOX 3111	DATELAND	85333
MUNDOZ MICHAEL R & CONNIE G JT	1146 E MICHIGAN AVE	SALT LAKE CITY	841105
ASH DORIS	255 BELFAST RD	HENDERSON	89015
SWITZER BENJAMIN O & MARY L TRUST 10-6-1987	8645 LONGWOOD ST	SAN DIEGO	92126
BUTLER EDNA E &	210 N CEDAR	CANBY	97013
HOLEWINSKI MARK JOHN	103 ULIBARRI LN	BLOOMFIELD	87413
JONES JEFFREY F & JUNE M KRYSSTOFF TRUST	3122 CORRIE DR	TALLAHASSEE	32308
ORABUENA REUBEN	813 9TH ST	MENASHA	54952
MUNCK AZ LLC	2771 IRONWOOD AVE	MORRO BAY	93442
ROEHM JOHN J & LINDA S	8963 W NORTHVIEW AVE	GLENDALE	85306
QUINTERO SANTOS R & ARMENIA T	3549 GOLDEN RIDGE NE	ROCKFORD	48341
RENTERIA IRMA R &	2039 W 263RD ST	LOMITA	90717
HARPER IVA MC CONNELL	2416 N 28TH ST	PHOENIX	85008
	12862 E 41ST PL	YUMA	85367
	PO BOX 15524	PHOENIX	85060

MORBY RAYMOND A JT
LIKOS RONALD & MARY 1/2 INT

JOHNSON CAROLYN UND 1/3 INT

CALVERY LILLIAN LOUISE & BEZONA DOUGLAS & CLAR

HOPKINS H WILLIAM ALL JT

RENTERIA JASMINE G JT

WILLIAMS DONALD E & NANCY M	5396 BLACKHAWK DR	DANVILLE	CA	94506
GREEN REVOCABLE LIVING TRUST 2-14-97	6387 MOTHER LODGE DR STE 78	PLACERVILLE	CA	95667
RODGERS MERLE JEANETTE	1625 XENIA AVE N	GOLDEN VALLEY	MN	55422
HAMILTON BRUCE M & FAY DEE	5845 JOHNSON RD	EAST HELENA	MT	59635
LOPEZ EUSEBIO T	4940 SUNNYSIDE RD SE UNIT C1	SALEM	OR	97302
LAFAYE DONALD E & WANDA J JT	PO BOX 363	MERIDIAN	ID	83642
LAFADY BRUCE M &	55851 HONDO	YUCCA VALLEY	CA	92284
BENNETT JENNIE K LIVING TRUST 4-23-01	303 E BOND ST	ATTICA	IN	47918
QUINTANA JESUS & ELVIRA	PO BOX 3006	DATELAND	AZ	85333
BRADDOCK BRENDA SUE ET AL	1245 N BERENDO ST	LOS ANGELES	CA	900291601
BRILL JAMES & SHEILA JT	8459 STATE RD 233	ROME	NY	13440
BLOOM JAMES 1/2	9131 N 48TH PL	PARADISE VALLEY	AZ	85253
BACKEN-ANDERSEN KATHERINE J TRUST 3-8-2013	117 3RD AVENUE EAST	WEST FARGO	ND	58078
CONDIE DALE & SHARON	6511 S CLEMATIS WAY	WEST JORDON	UT	84084
MARCOIT PAUL E	4767 LIME RIDGE RD	WEST BEND	WI	53095
KENCKE CHESTER A	2703 HAYDEN WAY	BOISE	ID	83705
TRUMBO BELTRAN F & AILEEN	PO BOX 1566	MUKILTEO	WA	98275
JOHNSON RODNEY B & BETTY J	5802 CROW VALLEY PARK DR	DAVENPORT	IA	52807
PINSON JAMES G	2231 E MULBERRY DR	PHOENIX	AZ	85016
ORWICK ALFRED JOHN & EVELYN FAY	40420 SKI PARK RD	EATONVILLE	WA	98328
DYKEMA MERRILL & DONNA	2356 VIA DI SILVIO	TUCSON	AZ	85741
DUARTE EFREN &	22835 RUM RIVER BLVD BOX 725	ST FRANCIS	MIN	55070
ESPINOZA GUILLERMO & ROSA	PO BOX 3075	DATLAND	AZ	85333
BENJAMIN SINHARIB & MARY T	PO BOX 3228	DATLAND	AZ	85333
COPPLE GORDON B ESTATE	916 W CITRUS WAY	CHANDLER	AZ	85248
MCDOWELL & MALONE LLC	1232 W 18TH ST	TEMPE	AZ	85281
MAGARRO VICTOR	9010 EASE RANCE RIDER TRAIL	MESA	AZ	85207
COLLINS JUANITA &	PO BOX 3209	DATLAND	AZ	85333
GALVAN VIRGINIA OJEDA &	PO BOX 308	ARCOILA	MS	38722
DOUE GEORGE	PO BOX 3174	DATLAND	AZ	85333
SERAFINI WILLIAM & JUNE JT	PO BOX 425477	DATLAND	AZ	85333
CEDERHOLM FRED B & MARJORIE J	3416 SALLMAKER LN	SAN FRANCISCO	CA	94142
CHAFFIN LEMUAL A	1185 W HANCOCK DR	PLANO	TX	75023
SOLOMOS LOUIS P JR	8729 GRAVES AVE LOT 5A	DELTONA	FL	32725
NICHOLS ARLENE & LAURENCE JT	PO BOX 3169	SANTEE	CA	92071
ZAMORA JOSE M & ZOILA JT*	30521/2 WEDGEWOOD DR	DATLAND	AZ	85333-3169
LEONHARD GEORGE	HC 1 BOX 3093	GRAND JUNCTION	CO	81504
DICE BERNADINE	PO BOX 443	DATLAND	AZ	85333
KLINE INVESTMENTS LLC	18 BEAR CUB CT	MANSON	WA	98831
STELLWAG ARTHUR W & DORIS I	1650 HIGHWAY 6 STE STE 470	CANON CITY	CO	81212
ROBERT VERNON A & SHIRLEY	413 SOUTHWICK DR	SUGAR LAND	TX	77478
ALMAGUER ROBERTO ANGEL	965 2ND ST	PAYETTEVILLE	NC	28303
EUBENS CAROL ANNE & RANDALL EUGENE	PO BOX 12688	MARION	IA	52302
SUPERIOR SYSTEMS ENG & MFG CORP	3034 RAINBOW CT	CASA GRANDE	AZ	851302771
FOLJINO MIKE	14640 B INDUSTRY CIRCLE	SAFETY HARBOR	FL	34695
STRICKLIN WAYNE H	3716 W 1ST STREET #3	LA MIRADA	CA	90638
FRENCH VERNON E & LONKA JT	1619 S 7TH AVE	LOS ANGELES	CA	90004
SILVER MARK E	PO BOX 549	YUMA	AZ	85364
PINKERTON TRUST 11-4-92	5406 44TH AVE SW	JASPER	AR	72641
RICKWALL DIETER R & IRIS F TRUST 2-14-03	107 N SENATE ST	SEATTLE	WA	98136
WELLSCH JOHN J & PATRICIA A	540 APOSTLE DR	CHANDLER	AZ	85225
ROHER FAMILY TRUST R-1	1018 MASSENA	HENDERSON	NV	89015
TALLABAS ALBERT ROMERO	PO BOX 1705	WAUKEGAN	IL	60085
VEGA SAMUEL &	9038 W KERBY AVE	WRANGELL	AK	99829
KIRKLAND PATRICIA SCHWERY	PO BOX 566	TOLLESON	AZ	85353
ELLIOTT HAROLD L & MARION TRUST 2-25-93	4304 GREEND AVE APT 8	EL CENTRO	CA	92244
KIMIA LIMITED COMPANY AZ LLC	2688 VISTA LN	GURNEE	IL	60031
DATLAND TRAVEL CENTER LLC	5410 E PLACITA DEL MAR	YUMA	AZ	85365
DOUBLE J II AZ LLC ETAL	1737 S AVENUE 64 E	TUCSON	AZ	85718
KLOS KAREN TRUST 7-07-98	701 N 44TH ST	DATLAND	AZ	85333
GILBERT GEORGE	3503 N CAMPBELL AVE STE 101	PHOENIX	AZ	85008
BERRY DOUGLAS	PO BOX 29405	TUCSON	AZ	85719
SERRA MANUEL J	4680 S DEFFRAME ST	YUMA	AZ	85367
HEMINGWAY GUY	PO BOX 2588	MORRISON	CO	804651009
HERNANDEZ CECILIA &	3970 LOBLOLOY BAY DR LOT 301	PORT ARANSAS	TX	78373
PIEKARSKI NORBERT & ANGELINE	68 LA PALOMA DR	NAPLES	FL	34114-3594
	7400 W FLAMINGO RD UNIT 2096	LOS ALAMOS	NM	87544
		LAS VEGAS	NV	89147

BERRY SCOTT
BLIZARD JAMES J S/S
CHRISTENSEN LAWRENCE B & M L
SARGUS GEORGE J & MARY A
PEMBERTHY WILLIAM & POHS ELOISE ANN &
PRESTHOLT CHRIS &
MELLAND JERAULD B

PRESTHOLT RON & JAN

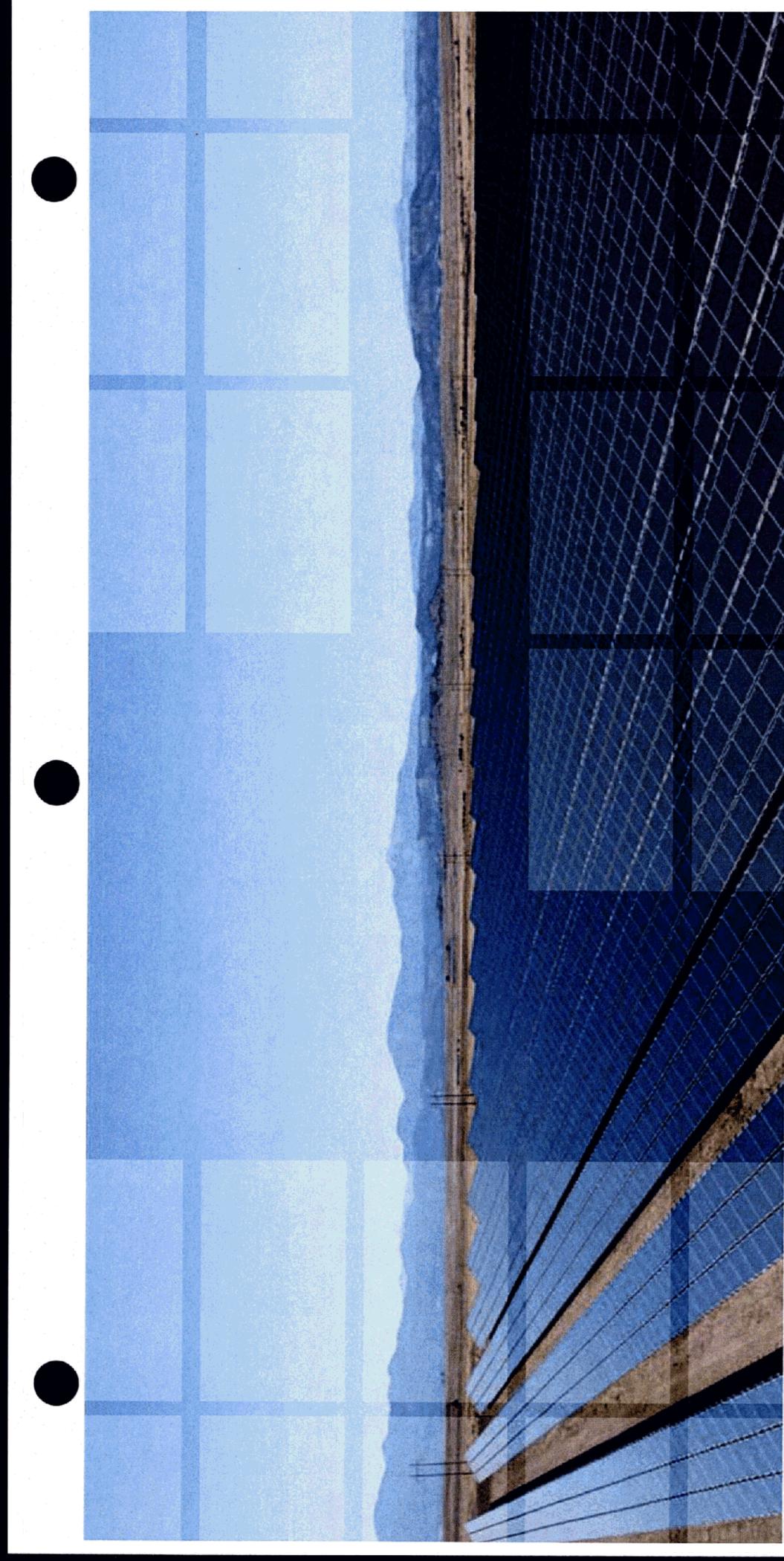
5030 S GALAPAGO
3704 RIDGEMONT WAY
3724 PINE RD NE UNIT 16
1858 WHITEHALL RD
4537 QUITMAN ST
29743 164TH AVE SE
15012 FOX BRANCH LANE

ENGLEWOOD
BELLINGHAM
BREMERTON
ANNAPOLIS
DENVER
COVINGTON
MID LOTHIAN

CO
WA
WA
MD
CO
WA
VA

80110
98226
98310
21409
80212
98042
23112

Meeting Materials



White Wing Gen-Tie Project Public Meeting

June 7, 2016



First Solar at a Glance



Over 8GW installed worldwide and over 3GW contracted pipeline



Cost competitive with conventional energy sources today



Partner of choice for leading utilities and global power buyers



Driving innovation across entire value chain and plant solution



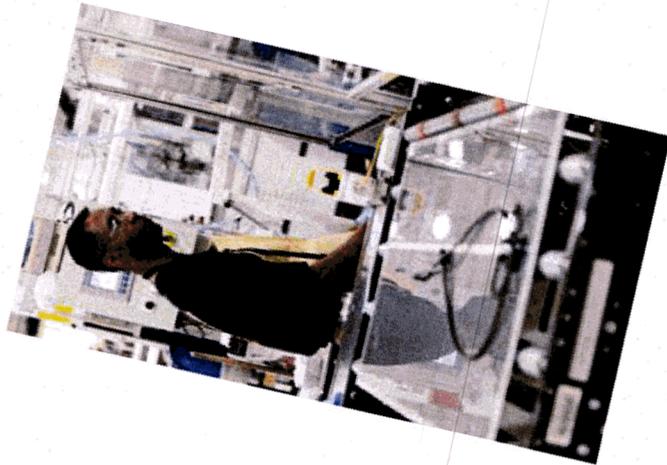
Strongest financial stability & bankability in the industry



Founded in 1999 and publicly traded on Nasdaq (FSLR)

First Solar's Integrated Solar Power Solutions

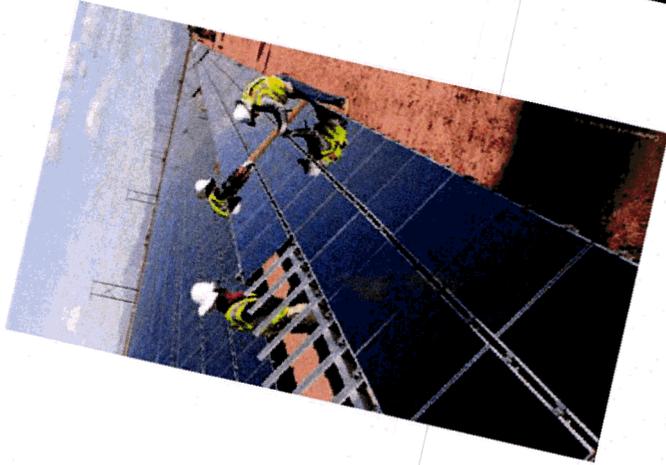
Module Manufacturing



Project Development



Engineering, Procurement, Construction



Operations & Maintenance



Clean, Affordable, Sustainable Utility-Scale PV

North American Projects Pipeline Overview



Projects Sold/Under Contract

Project/Location	MW AC ¹	PPA	Owner/ Purchaser
Topaz, California	550	PG&E	Mid American (MA)
Sunlight, California	550	PG&E/SCE	NextEra/GE
AV Solar Ranch One	230	PG&E	Exelon
Copper Mtn. 2, NV	150	PG&E	Sempra ²
Imperial Energy Center S.	130	SDG&E	Tenaska ²
Alpine, California	66	PG&E	NRG ²
Silver State North, NV	50	NV Energy	Enbridge
Walpole, Ontario	20	OPA ⁴	GE/Plutonic
Belmont, Ontario	20	OPA ⁴	GE/Plutonic
Mount St. Mary's	16	UOG ³	Constellation
Amherstburg 1, Ontario	10	OPA ⁴	GE/Plutonic
Campo Verde, California	139	SDG&E	Southern Company

² EPC contract or partner developed project

³ UOG = Utility Owned Generation

⁴ OPA = Ontario Power Authority RESOP program

In Development/PPA

Project/Location	MW AC	PPA	Owner
Stateline, California	300	SCE	
Silver State South, NV	250	SCE	
Cuyama	40	PG&E	
Lost Hills	32	PG&E	
Kingbird	40	SCPPA	
California Flats	150	PG&E	

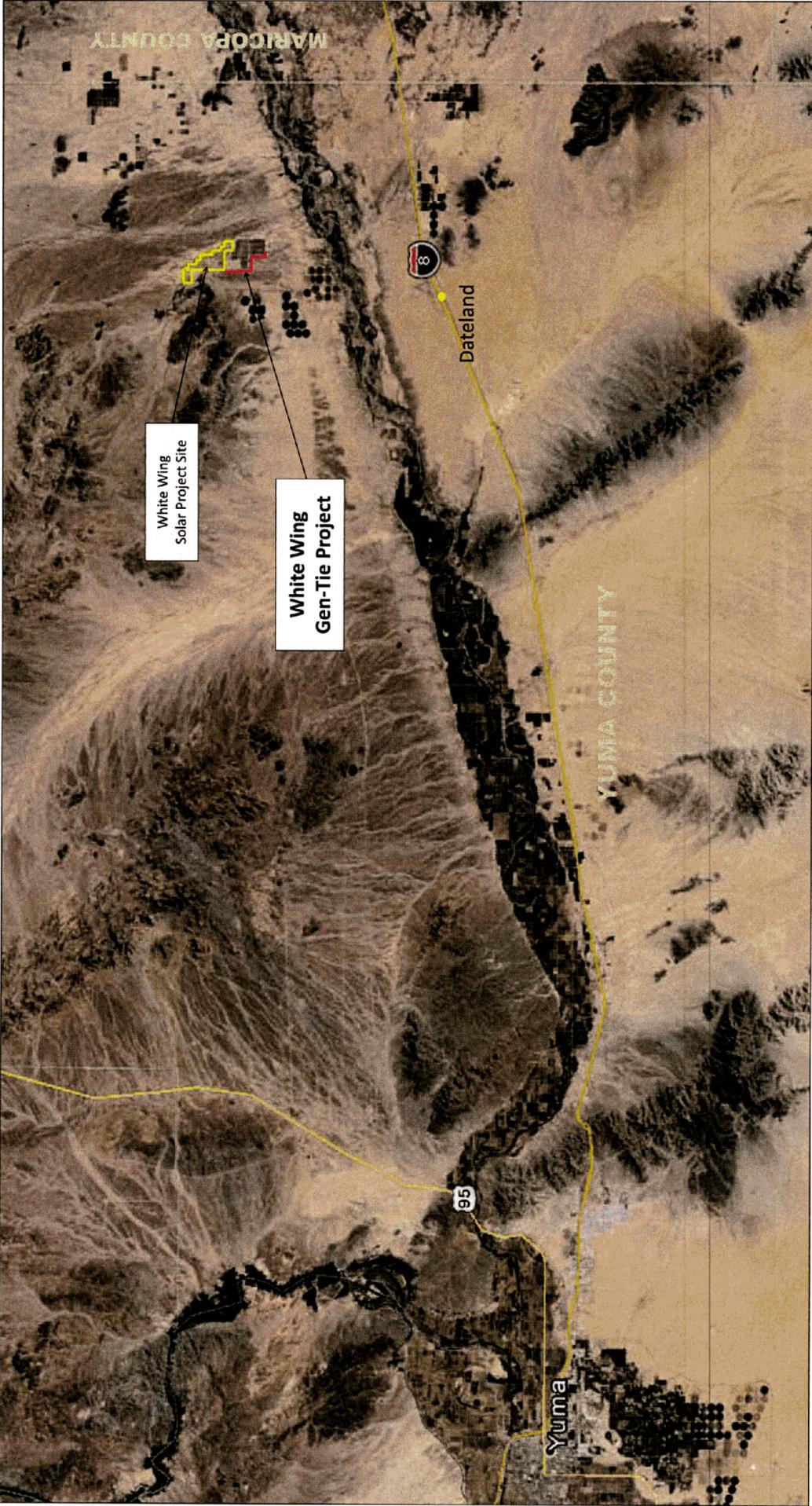
Completed

Project/Location	MW AC	PPA	Owner
Agua Caliente, AZ	290	PG&E	NRG / MA
Santa Teresa, NM	20	El Paso	NRG ²
Amherstburg 2, Ontario	15	OPA ⁴	Enbridge
Tilbury, Ontario	5	OPA ⁴	Enbridge
PNM 1-4, NM	17	UOG ³	PNM
Paloma, Gila Bend, AZ	17	UOG ³	APS
PNM 5, NM	5	UOG ³	PNM
St. Clair, Ontario	40	OPA ⁴	NextEra
Cimmaron, NM	30	Tri-State	Southern

White Wing Gen-Tie Project Overview

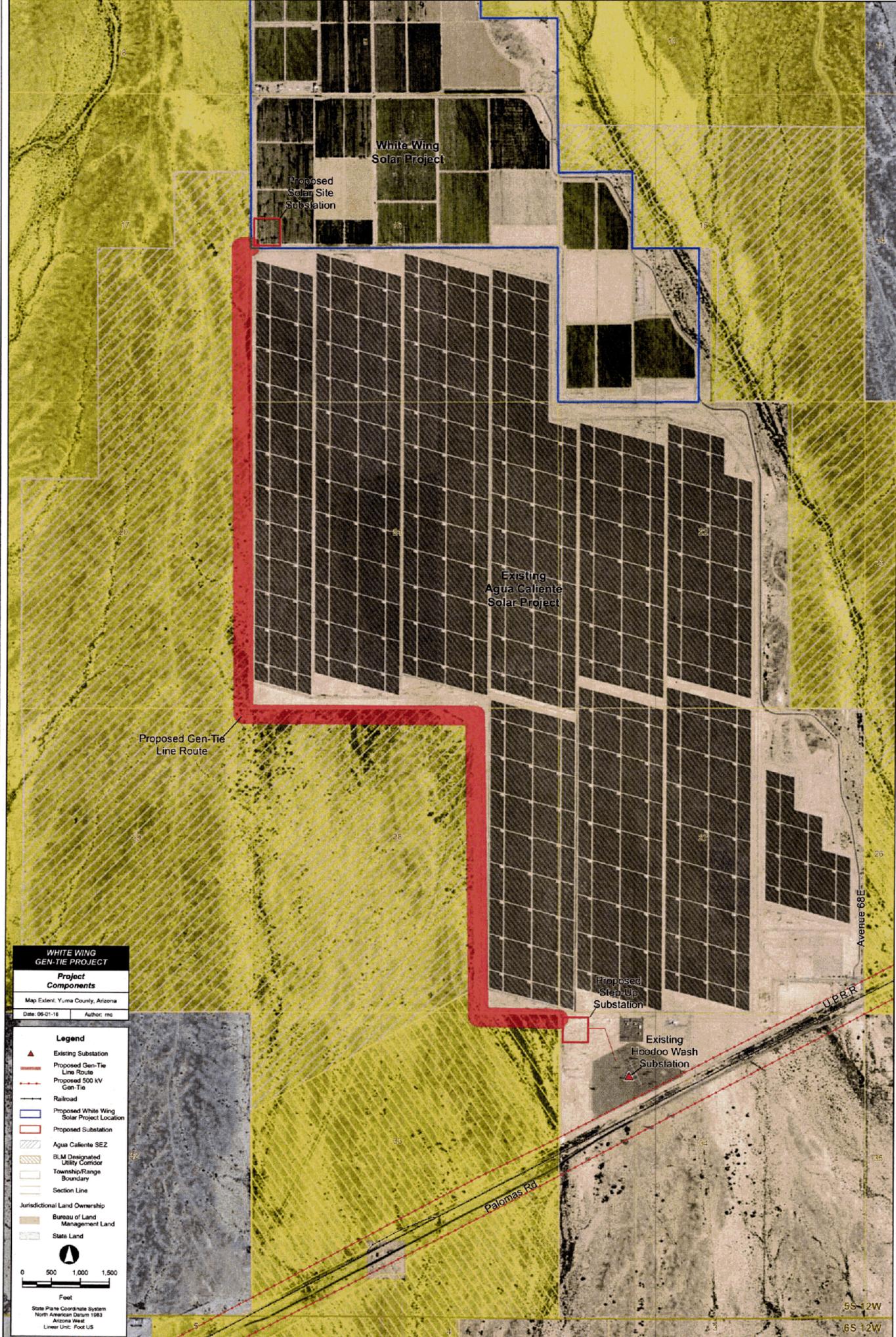


- **Overview**
 - Will interconnect 210 MW White Wing Solar Project to regional electric grid at existing Hoodoo Wash Substation
- **Location**
 - Gen-Tie Line would be located on BLM-managed lands
 - Within a designated solar energy zone (SEZ) and designated utility corridor
 - Adjacent to western side of existing Agua Caliente Solar Project
 - End-points located on private lands
 - These lands have Special Use Permits (SUPs) issued by County for solar / transmission uses
- **End-Points**
 - Northern terminus – Solar Site Substation in SW corner of White Wing Solar Project site
 - Southern terminus – existing Hoodoo Wash Substation
 - Possible Step-Up Substation near Hoodoo Wash Substation
- **Permits Required for Gen-Tie**
 - Certificate of Environmental Compatibility (CEC) from Arizona Corporation Commission (ACC)
 - Right-of-Way (ROW) Grant from BLM



White Wing Gen-Tie Project

Project Location



**WHITE WING
GEN-TIE PROJECT**

**Project
Components**

Map Extent: Yuma County, Arizona
Date: 06-01-18 Author: mc

Legend

-  Existing Substation
 -  Proposed Gen-Tie Line Route
 -  Proposed 500 kV Gen-Tie
 -  Railroad
 -  Proposed White Wing Solar Project Location
 -  Proposed Substation
 -  Agua Caliente SEZ
 -  BLM Designated Utility Corridor
 -  Township/Range Boundary
 -  Section Line
- Jurisdictional Land Ownership**
-  Bureau of Land Management Land
 -  State Land



0 500 1,000 1,500
Feet

State Plane Coordinate System
North American Datum 1983
Arizona West
Linear Unit: Foot US

5S-12W
6S-12W

Meeting Attendance and Comments

WHITE WING GEN-TIE OPEN HOUSE SUMMARY

Tuesday June 7, 2016

4:30-6:30 PM

Dateland Elementary School

1300 S. Ave 64 E, Dateland, AZ 85333

Total of 34 attendees of which 24 signed in as guests. Ten other individuals arrived before the open house began and were provided information on the 800# to inquire about future employment.

- 24 attendees signed as guests
- 14 individuals seeking employment
- 2 BLM employees attended
- 5 Dateland School employees attended
- 1 local business owner attended
- 2 left no organization/specific interest

Fourteen (14) comments cards were submitted:

- 9 were requesting job information
- 2 were interested in selling land (parcels)
- 2 stated no comments
- 1 comment on lack of invitation received

	Name	Phone	E Mail Address	Organization
1				
2	Rodolphe DUMAGUER	4282873567	rodou37@orange.com	
3				
4				
5				
6				
7				
8				
9				
10				
11				

	Name	Phone	E Mail Address	Organization
1				
2	<i>Lauren</i>	<i>928:454 866</i>		
3				
4				
5				
6				
7				
8				
9				
10				
11				

	Name	Phone	E Mail Address	Organization
1	John Freeman	619-284-3337		
2	PATRICIA DORING	703. 759 331-4584	PAT.L.Doring@MSW.COM.	
3	Ana Flores	928 580-8746		District School
4	Raymundo Anquijo	928 276-6097	RAYANQUIJOES8@gmail.com	
5	Jose Suarez	928 2711160		
6	Hermes Galvez	928 243 6920	Hermes.Galvez371@yahoo.com	
7	Martha Jones	(928)261-6691	mjones@hyperisd.org	District School
8	Edgar Lopez	(928) 726 2931	chicky2picolas@gmail.com	District School
9	Miguel Ortega	(928) 919-1130	MIKE_S.YOHANNI@msw.com	District School
10	Bill Werner	602 417 5442	AWERNER@msw.com	ASSEM
11	Patricia Malcom			

	Name	Phone	E Mail Address	Organization
1	JOSÉ ARIZAGA	(928) 488-1547	JOSELUISARIZAGACAMPILLO@gmail.com	
2	Raymundo Valenzuela	(928) 388-8052	raymundo.11@hotmail.com	
3	Cristian Angulo	(928) 285-3421		
4	Jeff Hector	(520) 568-3020		
5	Michael Hector	520 5610-8898	jmkryrdadd1@yahoo.com	
6	Zoila Zamora	(928) 2572410		
7	Edie Arreola	602-417-9505	earreola@cbm.gov	BTM
8	FRANCIS W VALENZUELA	928-315-2556		
9	John "Pat" Kourj	928-454-2242	pkourj@hyderisd.org	Oakland School
10	Pepper Beard	928 454 2229		
11	Carlos Lopez	928-261-1128	oasisnvpark@yahoo.net carlos45e489@gmail.com	OASIS NV park,

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

jenkyreddf@yahooc.com
E-mail address

Michael Hector
Name

Organization (If Applicable)

323 E. Monte Way
Street Address

Daytime Phone No. (optional)

Phoenix
City

AZ
State

85042
Zip Code

Please provide any comments about the Project:

guth county 16630003
arcebs 16619009
16619008
16637005
15305003
153-05 008
15325007
15305006

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

HWAP@AOL.COM
E-mail address

Jeffrey Hoctor
Name

Organization (If Applicable)

#6151 N. WARDEN RD
Street Address

520 568 2945 520 568
Daytime Phone No. (optional)

MARICOPA
City

AZ.
State

85139
Zip Code

Please provide any comments about the Project:

Have Property for Future Projects would be willing to
TALK 4 mile S. off AT AZ-TEE RD. 690 ACRES

+ Property just W. of Hyder + N. of
RAILROAD TRACKS 120 ACRES

The Properties ARE OWNED BY MY FATHER
DON HOCTOR

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

FRANCIS W NAVARRO
Name

P.O. BOX 5513
Street Address

YUMA
City

E-mail address

Organization (If Applicable)

928-315-2556
Daytime Phone No. (optional)

AZ
State

85364
Zip Code

Please provide any comments about the Project:

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

oasisrvpark@hughes.net
E-mail address

Pepper Beard / Oasis RV Park
Name

Oasis RV Park at Aztec Hills
Organization (If Applicable)

1481 S Ave 66E / 1401 S Ave 66E
Street Address

360 840 0455
928-454-2229 ← oasis
Daytime Phone No. (optional)

Dateland
City

AZ
State

85333
Zip Code

Please provide any comments about the Project:

Research why they don't
receive mailer.

Several others in vicinity didn't receive

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

Carlose 489@gmail.com
E-mail address

Carlos E. Lopez
Name

Organization (If Applicable)

1443 Santa Fe Dr.
Street Address

928.261.1128
Daytime Phone No. (optional)

San Luis
City

AZ
State

85399
Zip Code

Please provide any comments about the Project:

I'm excited to work for this new
project I have experience on construction

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

Name Zoila Zamora E-mail address _____
(928) 257 2410
Organization (If Applicable) _____
Street Address 604N Sombrero Rd #112 Daytime Phone No. (optional) _____
City Dateland State AZ Zip Code 85333

Please provide any comments about the Project:

First Solar es una compañía buena
y yo vivo en Dateland, me gustaria
trabajar ahorita estoy yendo a
trabajar a tonapac a una 1/2 de
camino todos los dias

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

rayimundo.11@hotmail.com
E-mail address

Raymundo Valenzuela
Name

Organization (If Applicable)

1552 E Los Olivos Dr P.O. Box 6117
Street Address

(928) 388-8052
Daytime Phone No. (optional)

San Luis AZ
City State

85349
Zip Code

Please provide any comments about the Project:

jos

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

Chicky2piolas@gmail.com
E-mail address

Edgar Lopez
Name

Organization (If Applicable)

1774 N Taylor Way
Street Address

(928) 726 2931
Daytime Phone No. (optional)

Somerton
City

AZ
State

85350
Zip Code

Please provide any comments about the Project:

looking for a great job environment.

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

JOSE LUIS ARIZAGA CARRILLO ¹¹ @GMAIL.COM
E-mail address

JOSE ARIZAGA
Name

Organization (If Applicable)

478 S. FIGUEROA AVE

(928) 488 - 1547

Street Address

Daytime Phone No. (optional)

SOMERLTON

AZ

85350

City

State

Zip Code

Please provide any comments about the Project:

UNA GRAN OPORTUNIDAD PARA CONSEGUIR TRABAJO

IM CURRENTLY LOOKING FOR A JOB AND I
THINK FIRST SOLAR WOULD BE A GREAT OPPORTUNITY.

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

E-mail address

JOSE SUAREZ
Name

Organization (If Applicable)

1876 S. 47th AV.
Street Address

(928) 271-1160
Daytime Phone No. (optional)

YUCIA
City

ARIZONA
State

85364
Zip Code

Please provide any comments about the Project:

Una gran oportunidad para conseguir trabajo y ser parte del proyecto. gracias.

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

RAYANGULO58@gmail.com
E-mail address

RAYMONDO ANGULO
Name

Organization (If Applicable)

2490 S 32 AVE
Street Address

928 276-6097
Daytime Phone No. (optional)

YUMA
City

AZ
State

85364
Zip Code

Please provide any comments about the Project:

yo creo que son muy buenos para el pais y la localidad al producir su propia energia y dar trabajo a gente local para construir este proyecto, y me gustaria ser parte de este proyecto

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

Pat_L_Doring@msn.com
E-mail address

Patricia Doring
Name

Organization (If Applicable)

5744 Ladybank Ct.
Street Address

(702) 321-4584
Daytime Phone No. (optional)

City

Las Vegas

NV
State

89110
Zip Code

Please provide any comments about the Project:

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

Mike_5.4@hotmail.com
E-mail address

Miguel Ortega
Name

Organization (If Applicable)

1218 B St P.O. Box 4595
Street Address

928 919 1930
Daytime Phone No. (optional)

City

San Luis

AZ
State

85349
Zip Code

City

State

Zip Code

Please provide any comments about the Project:

I'm currently looking for a job and I think
First Solar would be a good company for me to
work with. I had heard from friends good comments
about this company.

Thank you for your time and interest.

WHITE WING GEN-TIE PROJECT

Comment Form

Thank you for your interest in this Project. Please complete this form and provide any comments about the Project.

Please Print

Hermes.Galvez77@yahoo.com
E-mail address

Hermes Galvez
Name

Organization (If Applicable)

575 s Dalton Avenue
Street Address

(928)243 6920
Daytime Phone No. (optional)

Somerton
City

AZ
State

85350
Zip Code

Please provide any comments about the Project:

Im currently looking for a job and I
think First Solar would be a great opportunity.

Thank you for your time and interest.