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Blythe Solar Power Project (BSPP)
Eastern Riverside County, California
MONTHLY COMPLIANCE REPORT #4
(COC COM-6)
09-AFC-6C

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APPENDICES

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1 INTRODUCTION

The California Energy Commission (CEC), having the state statutory responsibility for licensing thermal power plants 50 megawatts (MW) and larger, as well as related facilities, approved the Blythe Solar Power Project (BSPP) Application for Certification (09-AFC-06) on September 15, 2010 and began the compliance proceeding under 09-AFC-6C. Eleven Monthly Compliance Reports (MCRs) were submitted to the CEC in 2010 and 2011 pursuant to Conditions of Certification (COCs) in the CEC Decision. Since that time, the BSPP has undergone a Petition to Amend (to photovoltaic technology), an environmental analysis of the proposed changes to the project pursuant to the California Energy Quality Act (CEQA), and change of ownership from Palo Verde Solar I, LLC, (Solar Millennium, LLC) to NextEra Energy Resources, LLC. The CEC Presiding Member's Proposed Decision (PMPD) for the modified project, which contained revised findings and COCs, was approved by the Commission on January 15, 2014. COC COM-6 in the PMPD requires Nextera Energy Resources, LLC to submit an MCR to the CEC Compliance Project Manager (CPM) on a monthly basis throughout construction. Additionally, certain COCs require monthly reporting and/or development of a mitigation plan, which often contain monthly reporting requirements.

The Bureau of Land Management (BLM), as the federal agency responsible for management of public lands on which the project is sited, approved the modified BSPP in a Record of Decision (ROD) for the project on August 1, 2014, and authorized the construction of the project in a Right-of-Way (ROW) Grant (serialized as CACA- 048811) on August 12, 2014. Appendix 5, Adopted Mitigation Measures, of the BLM ROD, contains all ROW grant holder-proposed Design Features (DF) and Mitigation Measures for the project. Design Features in the ROD incorporate CEC COCs, some of which require monthly reporting.

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2 CONSTRUCTION STATUS

2.1 Previous Reporting Period

The following construction activities occurred in accordance with the Limited Notice to Proceed (LNTP), issued by the CEC on January 16, 2015 and issued by the BLM on January 17, 2015:

- Continued installation of the Unit 2 security fence/desert tortoise fence
- Continued desert tortoise guard placement and fence installation along Unit 2 perimeter;
- Grading access roads within the Unit 1 solar array
- Setting gen-tie structures; and
- Framing gen-tie poles (installing support arms and insulator)

2.2 Current Reporting Period

The following construction activities occurred in accordance with the Limited Notice to Proceed (LNTP), issued by the CEC on January 16, 2015 and issued by the BLM on January 17, 2015 and the Full Notice to Proceed (FNTP) issued by the CEC and BLM on March 19, 2015 (see Appendix A):

- Continued installation of the Unit 2 security fence/desert tortoise fence
- SWPPP BMP Installation Unit 2
- Installation of Stabilized Construction Entrance on Dracker Dr
- Continued fence construction in Unit 1 with trenching, drilling, and setting posts
- Start foundations for the 12kV work
- Stringing the BSPP gen-tie conductor/fiber

No other construction-related activities occurred during this reporting period.

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3 CONDITIONS OF CERTIFICATION

Compliance with CEC Conditions of Certification (COCs) (BSPP DFs) are categorized into the following sections, consistent with the CEC PMPD structures: Compliance and Closure (Section 3.1), Engineering (Section 3.2), Public Health and Safety (Section 3.3), Environmental (Section 3.4), and Local Impacts (Section 3.5).

3.1 Compliance and Closure

3.1.1 COM-5 Compliance Matrix

The project owner is required to submit a compliance matrix (in a spreadsheet format) with each monthly and Annual Compliance Report, which includes the status of all Compliance Conditions of Certification. The Compliance Matrix is provided in Appendix A.

3.1.2 COM-6 Monthly Compliance Reports and Key Events List

During construction, the project owner is required to submit Monthly Compliance Reports (MCRs) which include specific information, including an initial list of dates for each of the events identified on the Key Events List. This MCR is being submitted in accordance with COC COM-6. The Key Events List is provided in Table 1.

Table 1
Key Events List

Project Activity	Approximate Duration	Start Date	Status
Cacti Removal Unit 1	2 days	Jan 19, 2014	Complete
Cacti Removal Unit 2	2 days	Jul 20, 2015	Not Started
Mowing Unit 1 (solar array)	2 weeks	Jan 21, 2014	Complete
Mowing Unit 2 (fence line)	3 days	Jan 21, 2014	Complete
Mowing Unit 2 (solar array)	10 days	Jul 24, 2015	Not Started
Perimeter Fence Installation	3 Months	Feb 09, 2015	Ongoing
Gen-Tie Construction	3 Months	Mar 2, 2015	Ongoing
Substation	10 Months	May 15, 2015	Ongoing
Unit 1 – Site Preparation	3 Months	Apr 15, 2015	Ongoing
Unit 2 – Site Preparation	3 Months	Aug 3, 2015	Not Started
Unit 1 – Module Construction	12 Months	Jun 11, 2015	Not Started
Unit 2 – Module Construction	12 Months	Oct 7, 2015	Not Started

3.2 Engineering

3.2.1 GEN-2

Requirement: 60 days prior to the start of rough grading, the project owner shall submit to the CBO and to the CPM the schedule, the master drawing and master specifications lists of documents to be submitted to the CBO for review and approval. These documents shall be the pertinent design documents for the major structures and equipment listed in Facility Design Table 2. Major structures and equipment shall be added to or deleted from the table only with CPM approval. The project owner shall provide schedule updates in the monthly compliance report.

The master schedule and specifications were uploaded to the West Coast Code Consultants (WC^3) portal on November 24, 2014. Drawings were uploaded to the WC3 portal on Jan 16, 2014.

3.2.2 GEN-3

Requirement: Provide a copy of the CBO's receipt of payment to the CPM indicating that applicable fees have been paid.

A copy of the Purchase Order (PO) executed between NextEra Energy Resources and WC3 for the purposes of performing full CBO services for the BSPP was provided to CEC on February 9, 2014 in order to demonstrate retention and funding of Safety Monitor services in accordance with WORKER SAFETY-4.

3.2.3 GEN-6

Requirement: Submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors.

Activities performed this reporting period did not require special inspector(s).

3.2.4 GEN-7

Requirement: Submit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM. If any corrective action is disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.

Nothing to report.

3.2.5 GEN-8

Requirement: Within 15 days of the completion of any work, the project owner shall submit to the CBO, with a copy to the CPM, in the next monthly compliance report, (a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans.

Nothing to report.

3.2.6 CIVIL-1

Requirement: Submit a copy of CBO approval of project design, erosion and sedimentation control plan, signed and stamped (by responsible civil engineer) calculations and specifications, and soils/geotechnical/ foundation investigation reports.

An Erosion and Sediment Control Plan (a supplement to the Drainage, Erosion, and Sediment Control Plan (July 2014) required per SOIL&WATER-1) was provided to the CBO March 6, 2015. Comments from the CBO are pending.

3.2.7 CIVIL-3

Requirement: Submit a list of non-conformance reports (NCR) for the reporting month.

Nothing to report. No non-conformance reports occurred this reporting period.

3.2.8 CIVIL-4

Requirement: Submit a copy of CBO approval of the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans, and that the facilities are adequate for their intended purposes, along with a copy of the transmittal letter to the CPM.

Final grading plans are pending and have not yet been submitted to the CBO.

3.2.9 STRUC-1

Requirement: Submit a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.

The Preliminary Pile Embedment Pull Testing Specification Document was reviewed and accepted, with conditions by WC3 on March 30, 2014 (see Appendix B).

3.2.10 STRUC-3

Requirement: Provide notification to the CPM that the CBO has approved design changes.

Nothing to report. No design changes were submitted this reporting period.

3.2.11 STRUC-4

Requirement: Provide copies of the CBO approvals of plan checks to the CPM and provide a copy of the CBO's inspection approvals to the CPM following completion of any inspection.

No submittals were made in April.

3.2.12 MECH-1

Requirement: Provide a copy of the transmittal letter conveying the CBO's inspection approvals final plans, specifications, and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with applicable LORS.

No submittals were made in April.

3.2.13 ELEC-1

Requirement: Provide a copy of the transmittal letter, including a signed and stamped statement from the responsible electrical engineer attesting compliance with applicable LORS.

The 12kV design package was submitted to the CBO on March 10, 2015. Comments were received from the CBO on March 30, requesting additional details on construction power. The design package was reviewed and accepted, with conditions, by WC^3 on April 2, 2015 (see Appendix B). The 12kV line is currently under construction.

Requirement: Report: 1. Receipt or delay of major electrical equipment; 2. Testing or energization of major electrical equipment; and 3. A signed statement by the registered electrical engineer certifying that the proposed final design plans and specifications conform to requirements set forth in the Energy Commission decision.

Nothing to report.

3.2.14 TSE-1

Requirement: Prior to the start of construction of transmission facilities, provide a schedule of transmission facility design submittals, a master drawing list, a master specifications list, and a major equipment and structure list and any schedule updates in the monthly report.

Nothing to report.

3.2.15 TSE-4

Requirement: Prior to the start of each increment of construction, submit to the CBO for review and approval the final design plans, specifications, and calculations for equipment and systems of the power plant switchyard, outlet line, and termination, and provide a copy of the signed and stamped statement from the responsible electrical engineer verifying compliance with all applicable LORS. Provide a copy of the transmittal letter in the next Monthly Compliance Report.

Final design plans, specifications, and calculations have not been submitted for equipment and systems of the powerplant switchyard, outlet line, and termination.

3.2.16 WORKER SAFETY-3

Requirement: Provide monthly safety inspection report from the Construction Safety Supervisor (CSS), to include: 1) Record of all employees trained for that month (all records shall be kept on site for the duration of the project); 2) a summary report of safety management actions and safety-related incidents that occurred during the month; 3) Report of any continuing or unresolved situations and incidents that may pose danger to life or health; and a report of accidents and injuries that occurred during the month.

Jeff Barry has been designated as the CSS and was approved by the agencies on January 15, 2015. The information below provides a summary of training at the BSPP this reporting period:

- All personnel on site were required to undergo safety training, which was held in conjunction with the Worker's Environmental Awareness Training Program (WEAP). A record of personnel having received WEAP training is kept on site and is included in Appendix E of this report. Five subcontractors were provided site orientation (Ward, 20 employees; AECOM, 1 employee; Quail Construction, 2 employees; Mountain Power, 2 employees; Source Helicopters, 7 employees).
- The safety management team conducted orientations for subcontractor groups along with attending morning Job Hazard Awareness (JHA) with the subcontractors. The safety management team would also observe the subcontractors work throughout the day to help with any potential compliance issues. With temperatures on the rise, monitoring of water intake and rest breaks has also been implemented.

No safety incidents, nor unresolved situations occurred during this reporting period.

3.2.17 WORKER SAFETY-7

Requirement: Not less than fifteen (15) days after the start of site mobilization, provide documentation of first annual payment to RCFD.

The first annual payment was made on January 21, 2015 and documentation was provided in the March 2015 MCR.

3.2.18 WORKER SAFETY-9

Requirement: Include any and all comments received from the RCFD on fire detection and suppression systems and proof that the required plan review and inspection fees have been paid to the fire department.

Nothing to report.

3.2.19 WORKER SAFETY-10

Requirement: Include reports of heat-related and Valley Fever incidences.

Nothing to report. No heat-related or Valley Fever incidences were documented this reporting period.

3.3 Environmental

3.3.1 AQ-SC-3:Construction Fugitive Dust Control (AQCMM Monthly Reporting)

Requirement: Submit AQCMM compliance documentation.

Construction of the BSPP began on January 17, 2015 with mowing, vegetation removal, and cactus salvage. A summary of construction activities and their progress between April 1st and 30 are listed in Table 2.

Table 2
Activities Occurring at the BSPP

Project Activity	Activity Locations	Status
Permanent and Tortoise Fence Installation	Unit 1 and 2	Unit 1- Temporary desert tortoise fence is complete. Permanent security fence installation began week of 3/27. Unit 2- Permanent desert tortoise fence and permanent security fence completed on 3/27 (north, east, and south side).
Gate and Tortoise Guard Installation	Unit 1 and 2	Occurred this reporting period-Complete (see above)
Drilling New Well and Well Pad Development	Unit 1	Complete
Cactus Salvage	Unit 1 and 2	Unit 1 – Complete Unit 2 – During pre-construction surveys, cactus that was observed was mapped for future salvage
Mowing/Vegetation Removal	Unit 1 and Unit 2	Unit 1- Complete Unit 2 Along the Fenceline- Complete Unit 2- Interior not started (estimated mid-June)
Lateral load pile testing	Unit 1 and 2	Complete
Installing temporary power and communication lines	Unit 1/Laydown Yard	Ongoing- 12 kV tie-line survey completed on 3/31/15. Construction 12kV tie-in to the laydown yard initiated on 4/6/15 and is in progress.
Grading of up to 10 acres for trailers/parking and no more than an additional 10 acres for the substation/O&M area	Substation/O&M area/Parking and trailers	Ongoing- Common Area Road surveys started 4/1/15. Subgrade began 4/2/15
Setting 10 gen-tie structures consisting of 14 total poles	Gen-Tie Line	Poles Complete- All 6 concrete poles set; All 8 Steel Poles set

Table 2
Activities Occurring at the BSPP

Project Activity	Activity Locations	Status
Framing gen-tie poles (installing support arms and insulator)	Gen-Tie Line	Ongoing
Stringing the BSPP gen-tie conductor/fiber.	Gen-Tie Line	Ongoing- Static and Conductor Installs started week of 4/21/15 (estimated 4-week duration)

In accordance with COC AQ-SC1, an authorized Air Quality Construction Mitigation Manager (AQCMM) has been assigned to this project. As per AQ-SC2, an Air Quality Construction Mitigation Plan (AQCMP) has been submitted and approved by the CEC.

Under the direction of the AQCMM and as per the AQCMP the following measures have been taken to maintain compliance:

- All workers have been instructed in fugitive dust prevention as part of their Workers Environmental Awareness Program training.
- Unpaved roads and soil piles are wetted daily in areas of active construction.
- Fugitive dust control mitigation measures are a topic at contractor daily tailboard meetings, depending upon weather conditions.
- No vehicle exceeds 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.
- Speed limit signs are posted at the access roads for the full length of the project
- All construction equipment vehicle tires are inspected and washed as necessary to be cleaned free of dirt prior to entering paved roadways.
- All roads have had water applied to them regularly to reduce dust plumes from moving vehicles.
- No diesel equipment has been allowed to idle in excess of 10 minutes.

The AQCMM daily monitoring forms are included in Appendix C.

3.3.2 AQ-SC-4: Dust Plume Response Requirement

Requirement: Submit information on dust plume observations, response, and list of equipment on site.

As per AQ-SC4, a policy of fugitive dust monitoring has been established for the BSPP. All slowdowns or work stoppages due to air quality concerns, as well as responses are documented in Table 3.

Table 3
Fugitive Dust Response

Date	Project Activity	Response	Duration/Notes
04/15/15	n/a	Work Stoppage	High winds were present (15-35 mph) at the project site and work activities were shut down due to high winds and dust.

3.3.3 AQ-SC-5: Diesel-Fueled Engine Control

Requirement: Submit compliance documentation for diesel emissions.

Table 4, Heavy Equipment Used on the BSPP, includes a list of all pieces of equipment used on the BSPP during this reporting period.

Letters from equipment rental facilities attesting to proper maintenance of their vehicles is provided in Appendix C.

Table 4
Heavy Equipment Used on the BSPP

Owner	Equipment Type	Equipment #	Model #	Pieces of Equipment	AQ Compliance Observed?
Ward Electric Co.	Dodge Pickup	Unit #49	-	1	Y
Ward Electric Co.	Dodge Pickup	Unit #10	-	1	Y
Ward Electric Co.	GMC Pickup	Unit #39	-	1	Y
Ward Electric Co.	M2 Business Class Truck	Unit #215	-	1	Y
Ward Electric Co.	Dodge Pickup	Unit #57	-	1	Y
Ward Electric Co.	Dodge Pickup	Unit #26	-	1	Y
Ward Electric Co.	Dodge Pickup	Unit #114	-	1	Y
Ward Electric Co.	2014 4X2 Digger Derrick Freightliner	037-24920664	DC47-TR	1	Y
Ward Electric Co.	2013 8X6 38 Ton Crane Peterbilt	094-22599575	AC38-127S	1	Y
Ward Electric Co.	2013 8X6 38 Ton Crane Peterbilt	094-22599579	AC38-127S	1	Y
Ward Electric Co.	2013 8X6 38 Ton Crane Peterbilt	094-24718939	AC38-127S	1	Y

Table 4
Heavy Equipment Used on the BSPP

Owner	Equipment Type	Equipment #	Model #	Pieces of Equipment	AQ Compliance Observed?
Ward Electric Co.	2013 8X6 38 Ton Crane Peterbilt	094-24791748	AC38-127S	1	Y
Ward Electric Co.	2015 8X6 38 Ton Crane Peterbilt	094-30205525	AC38-127S	1	Y
Ward Electric Co.	2013 String Equipment Tensioner TSE Trailer	080-368088	T120/2H2	1	Y
Crown Fence	Water Truck	#127631	-	1	Y
Crown Fence	Blade	#NL7S98	-	1	Y
Crown Fence	Buggy	#3575	-	1	Y
Crown Fence	Mini Ex	#CP4P55	-	1	Y
Crown Fence	Crew Truck	#102	-	1	Y
Crown Fence	Skidsteer	#KR8H57	-	1	Y
Crown Fence	Forklift	#PW6M56	-	1	Y
Crown Fence	Crew Truck	#132	-	1	Y
California Compactions	CAT 140M Blade	N/A	-	2	Y
California Compactions	CAT 615 Scraper	N/A	-	1	Y
California Compactions	CAT CS56B	N/A	-	1	Y
California Compactions	CAT MT955c	N/A	-	1	Y
California Compactions	International Water Truck	N/A	-	4	Y

3.3.4 BIO-2: Designated Biologist Duties

Requirement: Provide copies of all written reports and summaries that document biological resources compliance activities.

The Designated Biologist (DB) oversaw biological monitoring activity this reporting period and served as the lead biological contact for the project owner and the agencies. The DB provided updates during daily morning tailboards regarding sensitive species buffer requirements, biological monitoring efforts and requirements per activity, and reminders of general project mitigation requirements (i.e. maintaining speed limits, checking under vehicles for wildlife prior to movement, etc.). Three agency meetings occurred this reporting period (April 1, 15, and 29, 2015). Oversight and monitoring activities are more thoroughly described in the sections below.

3.3.5 BIO-4: Biological Monitor Duties

Requirement: Submit copies of all written reports and summaries that document biological resources compliance activities, including those conducted by Biological Monitors.

Biological monitors were present during all activities occurring on the right-of-way this reporting period. Biologist performed wildlife sweeps and provided clearances ahead of all construction activity and ensured that Environmentally Sensitive Area (ESA) - designated wildlife buffers were avoided by all crews. Biological monitors ensured that crews were working within designated work areas, checking for wildlife under parked vehicles, ensured that wildlife entrapment preventative measures (e.g. excavation sloping, covering excavation or equipment openings) were installed, and communicated with crews on trash collection and containment procedures. Refueling was observed taking place outside of jurisdictional waterway buffers in accordance with HAZ-13 and all equipment staged within designated areas had a containment bin or drip pan in place underneath to prevent soil contamination.

3.3.6 BIO-6, CUL-15, PAL-4: Worker Environmental Awareness Program (WEAP)

Requirement: Submit training records for the reporting period.

Personnel are required to undergo WEAP training prior to work at the BSPP. This is to ensure all project personnel are made aware of the environmental, natural, and cultural resources that exist or may exist at the BSPP, requirements for implementing work practices designed to protect those resources, and penalties associated with violating those requirements. All personnel receiving WEAP training are required to sign in at the beginning of training and receive hardhat stickers to verify that they have received training prior to work on the BSPP. WEAP attendees are also required to provide weed wash certificates for personal vehicles and are provided with a sticker to place on their vehicle as a reminder to look under the vehicle before moving.

In the month of April 2015, 61 people participated in the WEAP training. Training rosters are maintained at the project environmental office. Attendee sign-in sheets for project personnel who received WEAP training during this reporting period are included as Appendix D.

3.3.7 BIO-7: Biological Resources Mitigation Implementation and Monitoring Plan

Requirement: Implementation of BRMIMP measures (for example, construction activities that were monitored, species observed) shall be reported in the Monthly Compliance Reports by the Designated Biologist.

The Designated Biologist and Biological Monitors have overseen all construction activities to ensure compliance with the BRMIMP. Implementation of measures specific to each mitigation plan (e.g., the Desert Tortoise Plan) is included within each section. During this reporting period, implementation of BRMIMP procedures included:

- Advising the Project Owner and Contractors on the implementation of the Biological Resource COCs;
- Scheduling and deploying the appropriate number of qualified biological monitors for the given activity;
- Supervising or conducting monitoring, and other biological resources compliance effort particularly in areas requiring avoidance or containing sensitive biological resources and special status species;
- Conducting preconstruction biological clearance surveys;
- Informing the Project Owner and Contractors of any remedial measures, incidents or problem areas as necessary;
- Surveying ahead of construction to identify sensitive resources and clear the area prior to construction equipment entry;
- Monitoring construction activities in specific areas for biological resource issues;
- Maintaining a daily log of monitoring events;
- Inspecting areas of active construction at beginning and end of day for trapped animals;
- Inspecting areas of high traffic activity for animals in harm's way; and
- Evaluating new temporary use areas for biological resources.

3.3.8 BIO-8: Impact Avoidance and Minimization Measures.

The following provides a summary on how minimization measures were implemented at the BSPP for biological resources:

Limit Areas of Disturbance. Prior to initiating any ground disturbance activities, staking was placed along the ROW to identify the limits of grading and the ROW limits. Environmental monitors verified that crews remained within the ROW and grading limits during construction. Once incident relating to limits of disturbance was noted this reporting period (please refer to Table 6, Project Incidents and Corrective Actions for additional information).

Avoid Use of Toxic Substances. Toxic soil binders were not used on the project site. An approved palliative was applied to the main project road for soil stabilization in order to reduce potential for fugitive dust.

Monitor During Construction. Designated Biologists and Biological Monitors were present during all construction activities. Environmental monitors were assigned to work with crews at the morning tailboard and each construction crew had an archaeologist, Tribal Cultural Consultants (TCC), paleontologist, UXO monitor and biologist, depending on the type of construction activities that were occurring that day.

Minimize Lighting Impacts. No nighttime work occurred during this reporting period.

Avoid Vehicle Impacts to Desert Tortoise. Signage has been placed along the ROW to notify motorists of the speed limit restrictions. In addition, stickers have been placed on all project vehicles reminding personnel to look under their vehicle for desert tortoise before moving their vehicle. Daily reminders to check under vehicles, and overall desert tortoise awareness, are provided at the morning tailboards by the Designated Biologist.

Minimize Standing Water. Water trucks are routinely being utilized to minimize fugitive dust emissions associated with construction activities. Water truck operators were reminded of the standing water requirements on a regular basis and no issues/concerns were reported.

Dispose of Road-Killed Animals. Five wildlife mortalities were reported this month, four resulting from either vehicular traffic or were found along an access road. Road-killed animals were removed from the site in accordance with project protocols.

Minimize Spills of Hazardous Materials. Construction crews have been observed placing drip pans beneath construction equipment at the completion of daily construction activities. In addition, spill kits are being maintained on construction equipment and at the laydown yards to clean up any spills that might result during construction activities. All spills are reported by the construction contractor to the environmental monitors, and the environmental monitors verify spills are cleaned up in accordance with project requirements. In addition, any leaking equipment is reported by the environmental monitors to the construction contractors, to ensure timely repairs to minimize the potential for continued leaks. No equipment leaks were reported this reporting period.

Worker Guidelines. During morning tailboards, construction crews were reminded of food waste and disposal protocols. Restrictions regarding firearms were communicated during initial WEAP training.

Avoid Spread of Noxious Weeds. See BIO-14

Nesting Bird Monitoring and Management Plan (NBMMP) Implementation

In accordance with the Nesting Bird Monitoring and Management Plan, nesting bird surveys in preparation for vegetation clearing activities within Unit 2 continued this reporting period (a survey memo was provided in the previous MCR). No construction activity is occurring in Unit 2 at this time.

3.3.9 BIO-9 Desert Tortoise Clearance Surveys and Fencing

Requirement: Submit compliance documentation for all survey and fencing activity and submit results of tortoise inspections.

In Unit 1, temporary desert tortoise fence is complete and permanent desert tortoise fence installation began week of March 27. In Unit 2, the permanent desert tortoise fence and security fence was completed on March 27 for the north, east, and south side of the unit. Temporary desert tortoise fence is up between Units 1 and 2, with one tortoise guard/gate near the water well on Unit 2. Inspections of desert fence integrity were conducted throughout the reporting period.

In preparation for vegetation clearing activities in Unit 2, surveys for desert tortoise, American badger and desert kit fox, burrowing owl, and nesting birds were initiated on March 31 and concluded on April 10, 2015. No desert tortoise were observed during surveys, however several bone fragments were observed and recorded.

3.3.10 BIO-11 Desert Tortoise Compliance Verification

Requirement: Beginning with the first month after clearing, grubbing, and grading are completed and continuing every month until construction is complete, the project owner shall submit a report describing their results of the monthly compliance inspections

Monthly Compliance Inspections Summary

The Designated Biologist and Biological Monitors remained on site on a daily basis while fencing and other ground disturbance construction activities were taking place. Compliance with all impact avoidance and minimization measures were documented on daily observation forms and concerns or issues were reported to the project owner. One issue with fencing was identified this reporting period (please refer to Table 6, Project Incidents and Corrective Actions for additional information).

Desert Tortoise exclusion fencing inspections were completed during this reporting period and will continue to be conducted on a monthly basis and after rainfall events, per the Desert Tortoise Translocation Plan. Fence inspections will also occur daily to ensure no tortoise are

walking along the perimeter of Unit 2 fenceline following the completion of the desert tortoise fence installation. In general, the tortoise exclusion fencing was in good condition no areas were reported as not being flush with the ground.

Environmental monitors implement desert tortoise awareness with all construction personnel to ensure adherence to the posted speed limit, looking under equipment and vehicles prior to moving, and ensuring a biological monitor is present when performing activities.

No observations of living, injured, or fatalities associated with Desert Tortoise were documented this reporting period.

3.3.11 BIO-13 Raven Management and Control Plan

Requirement: Conduct and submit monthly raven point count surveys of the Project Disturbance Area (area to be disturbed during construction) during spring (March – May) and fall (September – November).

Monthly Point Count Surveys

In accordance with the Raven Management and Control Plan (September 2014), monthly point count surveys were conducted at pre-designated locations within the project disturbance area (see Appendix D). Point counts were conducted via 10 minutes of observing and listening for ravens at each survey location. Survey start/stop time, and weather (including temperature, average wind speed, and percent cloud cover) were collected. Point counts were not conducted during weather conditions may affect raven behavior, specifically when wind or rain interferes with audible or visual detection or when the temperature is above 95°F. Table 5 Raven Observations Summary provides a summary of raven point count surveys and general raven observations for this reporting period.

Table 5
Raven Observation Summary

Date	Location	Number of Ravens Observed	Description of Observation
Monthly Point Count Observations			
04/21/15	Location 4 - Unit 1	0	No additional information
04/22/15	Location 1- Transmission Line South	2	Observed flying directly overhead in a southeast direction, toward pole location 50
04/22/15	Location 2 - Transmission Line North	0	No additional information
04/22/15	Location 3 - Unit 4	0	No additional information
04/27/15	Location 5 - Unit 2 Well Pad Site	0	No additional information

Table 5
Raven Observation Summary

Date	Location	Number of Ravens Observed	Description of Observation
Monthly Point Count Observations			
General			
04/08/15	Unit 2	1	Observed flying over site but not stopping. No construction activity in the vicinity.
04/16/15	Unit 1	1	Observed in the southwest portion
04/16/15	Gen-Tie Line	1	Observed flying over site near pad 80. No ponding water or trash was observed onsite
04/21/15	Unit 1	1	Observed flying overhead
04/23/15	Gen-Tie Line	1	Observed flying over pole location 55
04/23/15	Unit 1	1	Observed flying over the substation

Avian and Wildlife Carcass Removal

In accordance with the Biological Opinion and the Special Purpose Utility Permit (SPUT) wildlife mortalities are reported on a monthly basis. A SPUT form has been completed for the Black-Throated Sparrow mortality and is included in Appendix D of this MCR.

Table 5, April Wildlife Mortalities, includes a summary of mortalities this month. No mortalities resulted in incidental take under the USFWS BO, SPUT or CDFW ITP.

Table 5
April Wildlife Mortalities

Date	Number of Mortalities	Species	Location	Project-Related/Action
04/11/15	1	Black-Throated Sparrow (*Amphispiza bilineata*)	Gen-Tie Line, in sand within pad site for pole location 77, approximately 45ft west of pole under lines Latitude:33.589302, Longitude:-114.770056	Possible line strike; no visible injury
04/14/15	2	Mohave Fringe Toed Lizard Patch- nosed Snake	Gen-Tie Line, travel lane between poles 91-92 NECO route leading to pole 62, near water tanks	Y- Vehicular Traffic Y- Vehicular Traffic
04/16/15	1	Red Racer	Unit 1- access road	UNK
04/21/15	1	Patch-nosed snake	Unit 1- access road in southwest corner	UNK

Impact Avoidance Measures

Measures being implemented by the construction contractors and overseen by the environmental monitors included minimizing ponding water, managing waste, and removing carcasses (wildlife attractants). Particular attention is paid to the water tank to ensure ponding water does not occur, and raking/grading is conducted as needed to aid in prevention of ponding water. Throughout the reporting period, environmental monitors verified that construction crews collected all waste debris and placed in sealed containers and removed items identified receptacles. If construction crews were observed leaving waste out for any extended period of time, they were immediately instructed to collect debris and place them in the sealed containers. Furthermore, monitors frequently reminded crews at the morning tailboards of the importance of collecting and disposing of waste daily.

3.3.12 BIO-14 Weed Management Plan

Requirement: During the construction phase, weed management activities will be documented as part of the Monthly Compliance Report (Section 7.1 of the Plan)

As part of the MCR submittals, the Weed Management Plan requires the following information to be included on a monthly basis:

- Findings on location, type, extent, and density of invasive weeds observed at the Project site.
- Management efforts, including date, location, type of treatment implemented, and results. Ongoing evaluation of success of treatment.
- Information on implementation and success of preventative measures, including summary data of use and data on the WEAP, including participants.

Baseline vegetation monitoring for Phase I of the BSPP was conducted in April 2015 and a Baseline Vegetation Monitoring Report (see Appendix D) was prepared to present the monitoring results as required by the Weed Management Plan for the BSPP and the Revegetation Plan for the BSPP. The report provides a summary of the status within the monitoring areas, including vegetative cover, plant density, species composition and a general summary of overall conditions. The report also provides detailed mapping of invasive species along the linear facilities and within Unit 1 of the solar field. Additionally, the report documents cacti salvage completed in accordance with the Revegetation Plan.

All vehicles and off-road construction equipment are required to be free of invasive debris prior to arriving on the ROW. Environmental monitors collect weed wash certificates from all personnel

prior to arriving on site and inspect off-road equipment for invasive debris. Weed wash certificates are on file at the BSPP project site. Upon completion of inspections of off-road equipment, a weed inspection certification sticker is placed on the construction equipment, if required, verifying that the equipment is clean of invasive debris prior to being used along the ROW.

Ten inspections were conducted this reporting period and vehicles were found to be clear of weedy debris (see Appendix D).

WEAP training was administered to all new personnel on the project site (see BIO-6) and included information regarding preventative measures for the spread of invasive weeds. Invasive weeds were not observed at the BSPP this reporting period.

3.3.13 BIO-17 American Badger and Desert Kit Fox Impact Avoidance and Minimization Measures

Requirement: Submit American Badger and Desert Kit Fox mitigation compliance documentation.

In preparation for vegetation clearing activities in Unit 2, surveys for desert tortoise, American badger and desert kit fox, burrowing owl, and nesting birds were initiated on March 31 and concluded on April 10, 2015. In summary, five desert kit fox dens were determined to be active in BSPP Unit 2: KDF1, 148, 145, 142, 151 (see Appendix D for a locational map). Buffers measuring 500 feet are in place at these locations.

As of April 23, KFD5 in Unit 1 and KFD 1 in Unit 2 are still natal/pup rearing-active. On April 23, a single desert kit fox was observed (captured on camera) near Den 48 (near pole location 35).

Impact Avoidance Measures: In accordance with the Desert Kit Fox and American Badger Monitoring and Management Plan (DKFABMMP) (September 2014), the following protection measures were implemented daily:

Speed Limits. All construction personnel attended a WEAP training prior to working on site, which included details regarding standard project speed limits and possible reduced speed limits around active dens. Signage has been placed along the ROW notifying construction personnel of the standard or reduced speed limits crews are also reminded at each morning tailboard of speed limit reductions. Environmental monitors did not observe any issues/concerns with adherence to the speed limit provisions during this reporting period.

No-Disturbance Buffers: 500-foot no-disturbance buffers are in place around the aforementioned active dens. KFD1 in Unit 2 was allowed to have a 30 foot fence line/buffer

brush cleared on the north perimeter of the 500 foot buffer and perimeter fence installed with an opening via use of a pedestrian gate.

Excavations: No excavations occurred this reporting period.

3.3.14 BIO-18 Burrowing Owl Impact Avoidance, Minimization, and Compensation Measures

Requirement: Submit burrowing owl mitigation compliance documentation.

In preparation for vegetation clearing activities in Unit 2, surveys for desert tortoise, American badger and desert kit fox, burrowing owl, and nesting birds were initiated on March 31 and concluded on April 10, 2015. Four burrows were identified, BSPP BUOW B15, B265, B268, and B271 and no construction activities are occurring in this area, (see Appendix D for a locational map).

3.3.15 BIO-19 Special-Status Plant Impact Avoidance, Minimization and Compensation

Requirement: Submit compliance documentation of special-status plant avoidance and minimization measures.

As documented in the Plan, Abrams' spurge (*Euphorbia* [*Chamaesyce*] *abramsiana*) a California Native Plant Society Rare Plant Rank 2B.2 and California Natural Diversity Database (CNDDB) Rank G4/S2) was observed in 2012 along the east-west alignment of the access road shared with the McCoy Solar Energy Project, as well as in Unit 4 of the BSPP.

In accordance with the Special-status Plant Protection Plan (September 2014), the WEAP administered in accordance with BIO-6, CUL-15, PAL-4 included training components specific to protection of Abrams' spurge.

Per BIO-19 Section C, avoidance on the linear facilities is required; however avoidance is not required on the solar plant site. If CNPS CRPR 1 or Abram's spurge plants are detected along the access road during construction, the avoidance and minimization measures per the Plan will be implemented.

3.3.16 SOIL AND WATER-1

Requirement: Submit documentation regarding compliance with DESCP.

A revised Drainage Report was provided to the CBO as part of SOIL&WATER-11 on March 19, 2015. Best Management Practice (BMP) installation began for Unit 2 during the week of March 30.

3.3.17 SOIL AND WATER-4

Requirement: Beginning six months after the start of construction, the project owner shall prepare a semi-annual summary of amount of water used for construction purposes. The summary shall include the monthly range and monthly average of daily water usage in gallons per day.

Water for construction is currently being pumped from BSPP Well-2. Well measurements will be taken concurrent with transponder installation and a monitoring report will be issued under separate cover. The report will serve as the semi-annual summary per this requirement. Groundwater monitoring is currently occurring on a quarterly basis at the BSPP.

3.3.18 CUL-16 Construction Monitoring Program

Requirement: Provide a copy of the monthly summary report of cultural resources-related monitoring prepared by the Cultural Resources Specialist (CRS) and attach any new DPR 523A forms completed for finds treated prescriptively, as specified in the CRMMP.

A monthly summary report, which will include any new DPR 523A forms completed for finds treated prescriptively, is be prepared by the CRS in accordance with this requirement and will be submitted to the agencies under separate confidential cover. A copy of this summary report, with confidential information redacted, is included in Appendix E. No artifacts were found during the April reporting period.

3.3.19 PAL-5

Requirement: Summary of monitoring and paleontological activities (to be submitted by the PRS).

The Paleontological Resources Monitoring and Mitigation Plan (PRMMP) for the BSPP (May 2014), prepared in accordance with PAL-3, includes a discussion regarding what locations and activities require paleontological monitoring at the BSPP. Paleontological monitoring is required (1) where construction activities will disturb previously undisturbed sediment that is determined to have a high paleontological resource potential (paleontological sensitivity), and (2) in areas where the depth of prior disturbance is determined to be shallower than the planned depth of excavation. Areas where sediment will be buried but not otherwise disturbed, if any, will not be monitored. In general, monitoring duration (full-time or part-time) varies by sensitivity of resources and excavation depths.

In accordance with the PRMMP, Figure 4, full time monitoring is required during excavations greater than five (5) feet in depth in Units 1 and 2.

A non-confidential monthly project memo is included in Appendix F. Zero fossil localities were found during the April reporting period .

No concerns regarding paleontological resources were identified during paleontological monitoring along the transmission line this reporting period.

3.3.20 WASTE-1 UXO Identification, Training and Reporting Plan

Requirement: Submit Monthly Progress Reports and MEC/UXO work in progress (identified in Plan)

A UXO technician was available to respond to a MEC or UXO discovery during all intrusive and ground disturbing activities, including, but not limited to the following: pile drive test of support beams, tortoise and security fence installation (trenching and post installation), trenching for the 12KV line, grading, and the installation of power poles. No MEC or UXO discoveries occurred this reporting period.

3.3.21 WASTE-5 Hazardous Waste Generator Identification Number

Requirement: Submit identification number following receipt from EPA or a new number or modification of an existing number prior to generating hazardous waste at the project site.

Documentation of the Hazardous Waste Generator Identification Number from the EPA was provided in the March 2015 MCR.

3.4 Local Impacts

3.4.1 TRANS-3 Limitations on Vehicle Size and Weight

Requirement: Report permits received from Caltrans and/or County for overweight or oversized vehicles and any other necessary transportation permits to the CPM.

No new permits from Caltrans or the County were received this reporting period.

3.4.2 TRANS-4 Encroachment into Public Rights of Way

Requirement: Report encroachment permits received from Caltrans and/or County to the CPM.

An encroachment permit from Riverside County to cross Black Rock Road has been received for the project.

3.4.3 TRANS-6 Securing Permits/Licenses to Transport Hazardous Materials

Requirement: Report hazardous material transport permits received to the CPM.

No permits/licenses were acquired by the project owner and/or subcontractors concerning the transport of hazardous substances this reporting period.

3.5 Project Incidents and Corrective Actions

No non-compliance incidents were issued during this reporting period; however, project incidents and corrective actions were identified and will be tracked as part of monthly compliance reporting, as presented in Table 6, Project Incidents and Corrective Actions.

Table 6
Project Incidents and Corrective Actions

Incident Number	Date of Incident	Description of Incident	Description of Corrective Action
1	04/30/15	Unit 1- While working within a fenced area/ DT-cleared area, a crew was observed inadvertently driving over the desert tortoise fence. The fence was left down without a monitor present	Biologists and the project owner discussed project fencing requirements with crews.
2	04/02/15, 04/21/15, 04/22/15	Work occurred without a cultural monitor present	The crew was reminded that all ground disturbing activity must be cleared and/or monitored by a CRM and TCC. Areas of disturbance were checked by CRMs (see Appendix E for additional information)

APPENDIX A

BSPP Compliance Matrix

Blythe Solar Power Project

Construction Compliance Matrix

Updated: 5/7/15

Status Legend
Complete
On Track
Submittal and/or Notification Required
Overdue
No Action Unless Event Occur

Start of Construction (FNTP)	**1/5/15**
Start of Substation Work	**2/1/15**
Commercial Operation Date	**9/30/16**

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
1	Unrestricted Access. The project owner shall take all steps necessary to ensure that the CPM, responsible Energy Commission staff, and delegate agencies or consultants have unrestricted access to the facility site, related facilities, project-related staff, and the records maintained on-site to facilitate audits, surveys, inspections, and general or closure-related site visits.	Compliance	COM-1	**Ongoing**			Although the CPM will normally schedule site visits on dates and times agreeable to the project owner, the CPM reserves the right to make unannounced visits at any time, whether such visits are by the CPM in person or through representatives from Energy Commission staff, delegate agencies, or consultants.
2	Compliance Record. The project owner shall maintain electronic copies of all project files and submittals on-site, or at an alternative site approved by the CPM, for the operational life and closure of the project.	Compliance	COM-2	**Ongoing**			The files shall also ontain at least one hard copy of: 1. the facility's Application for Certification; 2. all amendment petitions and Energy Commission orders; 3. all site-related environmental impact and survey documentation;
3	Energy Commission staff and delegate agencies shall, upon request to the project owner, be given unrestricted access to the files maintained pursuant to this condition.	Compliance	COM-2	**Ongoing**			
4	Compliance Verification Submittals. Verification lead times associated with the start of construction or closure may require the project owner to file submittals during the AFC process, particularly if construction is planned to commence shortly after certification. The verification procedures, unlike the conditions, may be modified as necessary by the CPM.	Compliance	COM-3	**Ongoing**			
5	A cover letter from the project owner or an authorized agent is required for all compliance submittals and correspondence pertaining to compliance matters.	Compliance	COM-3	**Ongoing**			The cover letter subject line shall identify the project by AFC number, cite the appropriate condition of certification number(s), and give a brief description of the subject of the submittal. When submitting supplementary or corrected information, the project owner shall reference the date of the previous submittal and the condition(s) of certification applicable.
6	All reports and plans required by the project's conditions of certification shall be submitted in a searchable electronic format (.pdf, MS Word or Excel, etc.) and include standard formatting elements such as a table of contents, identifying by title and page number, each section, table, graphic, exhibit, or addendum.	Plans	COM-3	**Ongoing**			All report and/or plan graphics and maps shall be adequately scaled and shall include a key with descriptive labels, directional headings, a bar scale, and the most recent revision date.
7	The project owner is responsible for the content and delivery of all verification submittals to the CPM, whether the actions required by the verification were satisfied by the project owner or an agent of the project owner. All submittals shall be accompanied by an electronic copy on an electronic storage medium, or by e-mail, as agreed upon by the CPM.	Compliance	COM-3	**Ongoing**			If hardcopy submittals are required, please address as follows: Mary Dyas, Compliance Project Manager Blythe Solar Power Project (09-AFC-06C) California Energy Commission 1516 Ninth Street (MS-2000) Sacramento, CA 95814

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
8	Prior to start of construction, the project owner will submit to the CPM a compliance matrix including only those conditions that must be fulfilled before the start of construction.	Compliance	COM-4	**Complete**	11/5/2014		The matrix will be included with the project owner's first compliance submittal or prior to the first preconstruction meeting, whichever comes first, and will be submitted in a format similar to the description below.
9	Site mobilization and construction activities will not start until all of the following occur: submittal of the pre-construction matrix and compliance verifications pertaining to all pre-construction conditions of certification, and the CPM has issued an authorization to construct letter to the project owner.	Matrix	COM-4	**Ongoing**			The deadlines for submitting various compliance verifications to the CPM allow sufficient staff time to review and comment on, and if necessary, allow the project owner to revise the submittal in a timely manner. These procedures help ensure that project construction proceeds according to schedule. Failure to submit required compliance documents by the specified deadlines may result in delayed authorizations to commence various stages of the project. See COM-4 for further details.
10	Compliance Matrix. The project owner shall submit a compliance matrix to the CPM with each MCR and ACR. The compliance matrix provides the CPM with the status of all conditions of certification in a spreadsheet format.	Matrix	COM-5	**Ongoing**			See COM-5 for spreadsheet details.
11	Monthly Compliance Reports and Key Events List. The first MCR is due one (1) month following the docketing of the project's Decision, unless otherwise agreed to by the CPM.	Compliance	COM-6	**Ongoing**			The first MCR shall include the AFC number and an initial list of dates for each of the events identified on the Key Events List. (The Key Events List form is found at the end of the Compliance Plan.)
12	During project pre-construction, construction, or closure, the project owner or authorized agent shall submit an electronic searchable version of the MCR within ten (10) business days after the end of each reporting month, unless otherwise specified by the CPM. MCRs shall be clearly identified for the month being reported. The searchable electronic copy may be filed on an electronic storage medium or by e-mail, subject to CPM approval.	Compliance	COM-6	**Ongoing**			The compliance verification submittal condition provides guidance on report production standards. See COM-6 for details on the submittals requirements.
13	Annual Compliance Reports. After construction is complete, the project owner shall submit searchable electronic ACRs instead of MCRs. ACRs shall be completed for each year of commercial operation, may be required for a specified period after decommissioning to monitor closure compliance, as specified by the CPM, and are due each year on a date agreed to by the CPM.	Compliance	COM-7	**Ongoing**			See COM-7 for details on the submittals requirements.
14	Confidential Information. Any information that the project owner designates as confidential shall be submitted to the Energy Commission's Executive Director with an application for confidentiality, pursuant to Title 20, California Code of Regulations, section 2505 (a).	General	COM-8	**Ongoing**			
15	Annual Energy Facility Compliance Fee. Pursuant to the provisions of section 25806 (b) of the Public Resources Code, the project owner is required to pay an annually adjusted compliance fee.	Compliance	COM-9	**Ongoing**			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
16	**Amendments, Staff-Approved Project Modifications, Ownership Changes, and Verification Changes.** The project owner shall petition the Energy Commission, pursuant to Title 20, California Code of Regulations, section 1769, to modify the design, operation, or performance requirements of the project or linear facilities, or to transfer ownership or operational control of the facility.	General	COM-10	**Ongoing**			Implementation of a project modification without first securing Energy Commission, or Energy Commission staff approval, may result in an enforcement action, including civil penalties
17	Reporting of Complaints, Notices, and Citations. Prior to the start of construction or decommissioning, the project owner shall send a letter to property owners within one (1) mile of the project, notifying them of a telephone number to contact project representatives with questions, complaints, or concerns. If the telephone is not staffed twenty-four (24) hours per day, it shall include automatic answering with a date and time stamp recording.	Compliance	COM-11	**Complete**	12/4/2014		
18	The project owner shall respond to all recorded complaints within twenty-four (24) hours or the next business day. The project site shall post the telephone number on-site and make it easily visible to passersby during construction, operation, and closure. The project owner shall provide the contact information to the CPM who will post it on the Energy Commission's web page at http://www.energy.ca.gov/sitingcases/blythe_solar/. The project owner shall report any disruption to the contact system or telephone number change to the CPM promptly, to allow the CPM to update the Energy Commission's facility webpage accordingly.	Compliance	COM-11	**Ongoing**			
19	In addition to including all complaints, notices, and citations included with the MCRs and ACRs, within ten (10) days of receipt, the project owner shall report, and provide copies to the CPM, of all complaints.	Compliance	COM-11	**Ongoing**			See COM-11 for more information.
20	Emergency Response Site Contingency Plan. No less than sixty (60) days prior to the start of commercial operation, or other date agreed to by the CPM, the project owner shall submit for CPM review and approval, an Emergency Response Site Contingency Plan (Contingency Plan).	Plans	COM-12	**Ongoing**			The Contingency Plan shall evidence a facility's coordinated emergency response and recovery preparedness for a series of reasonably foreseeable emergency events. The CPM may require the updating of the Contingency Plan over the life of the facility.

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
21	Within one (1) hour, the project owner shall notify the CPM or Compliance Office Manager, by telephone and e-mail, of any incident at the power plant or appurtenant facilities that results or could result in any of the following: 1. reduction in the facility's ability to respond to dispatch (excluding forced outages caused by protective equipment or other typically encountered shutdown events); 2. health and safety impacts on the surrounding population; 3. property damage off-site; 4. response by off-site emergency response agencies; 5. serious on-site injury; 6. serious environmental damage; or 7. emergency reporting to any federal, state, or local agency. The notice shall describe the circumstances, status, and expected duration of the incident.	Incident	COM-13	**Ongoing**			If warranted, as soon as it is safe and feasible, the project owner shall implement the safe shutdown of any non-critical equipment and removal of any hazardous materials and waste that pose a threat to public health and safety and to environmental quality
22	Within one (1) week of the incident, the project owner shall submit to the CPM a detailed incident report, which shall include, as appropriate, the following information: 1. a brief description of the incident, including its date, time, and location; 2. a description of the cause of the incident, or likely causes if it is still under investigation; 3. the location of any off-site impacts; 4. description of any resultant impacts; 5. a description of emergency response actions associated with the incident; 6. identification of responding agencies; 7. identification of emergency notifications made to other federal, state, and/or local agencies; 8. identification of any hazardous materials released and an estimate of the quantity released; 9. a description of any injuries, fatalities, or property damage that occurred as a result of the incident; 10. fines or violations assessed or being processed by other agencies; 11. name, phone number, and e-mail address of the appropriate facility contact person having knowledge of the event; and 12. corrective actions to prevent a recurrence of the incident.	Incident	COM-13	**Ongoing**			
23	The project owner shall maintain all incident report records for the life of the project, including closure. After the submittal of the initial report for any incident, the project owner shall submit to the CPM copies of incident reports within twenty-four (24) hours of a request	Incident	COM-13	**Ongoing**			
24	Non-Operation. If the facility ceases operation temporarily, either planned or unplanned, for longer than one (1) week (or other CPM- approved date), but less than three (3) months (or other CPM-approved date), the project owner shall notify the CPM, interested agencies, and nearby property owners. Notice of planned non- operation shall be given at least two (2) weeks prior to the scheduled date. Notice of unplanned non-operation shall be provided no later than one (1) week after non-operation begins.	Non-Operation	COM-14	**Ongoing**			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
25	Written updates to the CPM for non-operational periods, until operation resumes, shall include: 1. progress relative to the schedule; 2. developments that delayed or advanced progress or that may delay or advance future progress; 3. any public, agency, or media comments or complaints; and 4. projected date for the resumption of operation.		COM-14	**Ongoing**			
26	During non-operation, all applicable conditions of certification and reporting requirements remain in effect. If, after one (1) year from the date of the project owner's last report of productive Repair/Restoration Plan work, the facility does not resume operation or does not provide a plan to resume operation, the Executive Director may assign suspended status to the facility and recommend commencement of permanent closure activities. 1. If the facility has a closure plan, the project owner shall update it and submit it for Energy Commission review and approval. 2. If the facility does not have a closure plan, the project owner shall develop one consistent with the requirements in this Compliance Plan and submit it for Energy Commission review and approval.		COM-14	**Ongoing**			
27	To assure satisfactory long-term site maintenance and adequate closure for "the whole of a project," the project owner shall submit a Provisional Closure Plan and Cost Estimate for CPM review and approval within sixty (60) days after the start of commercial operation. The project owner shall include an updated Provisional Closure Plan and Cost Estimate in every fifth-year ACR for CPM review and approval.The Provisional Closure Plan and Cost Estimate shall consider applicable final closure plan requirements, including interim and long- term, post-closure site maintenance costs, and reflect:	Plans	COM-15	**Ongoing**			1. facility closure costs at a time in the facility's projected life span when the mode and scope of facility operation would make permanent closure the most expensive; 2. the use of an independent third party to carry out the permanent closure; and 3. no use of salvage value to offset closure costs.
28	At least three (3) years prior to initiating a permanent facility closure, the project owner shall submit for Energy Commission review and approval, a Final Closure Plan and Cost Estimate, which includes any long-term, post-closure site maintenance and monitoring.	Deconstruction	COM-15	**Ongoing**			See COM-15 for more details.
29	If an Energy Commission-approved Final Closure Plan and Cost Estimate is not implemented within one (1) year of its approval date, it shall be updated and re-submitted to the Commission for supplementary review and approval.	Deconstruction	COM-15	**Ongoing**			If a project owner initiates but then suspends closure activities, and the suspension continues for longer than one (1) year, or subsequently abandons the facility, the Energy Commission may access the required financial assurance funds to complete the closure. The project owner remains liable for all costs of contingency planning and closure.

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
30	Air Quality Construction Mitigation Manager (AQCMM): The project owner shall designate and retain an on-site AQCMM who shall be responsible for directing and documenting compliance with Conditions of Certification AQ-SC3, AQ-SC4 and AQ-SC5 for the entire project site and linear facility construction. The on-site AQCMM may delegate responsibilities to one or more AQCMM Delegates. The AQCMM and AQCMM Delegates shall have full access to all areas of construction on the project site and linear facilities, and shall have the authority to stop any or all construction activities as warranted by applicable construction mitigation Conditions. The AQCMM and AQCMM Delegates may have other responsibilities in addition to those described in this Condition. The AQCMM shall not be terminated without written consent of the Compliance Project Manager (CPM).	Ground	AQ-SC-1	**Complete**	11/5/2014	12/10/2014	Roger Klein is currently the AQCMM
31	At least 30 days prior to the start of ground disturbance, the project owner shall submit to the CPM for approval, the name, resume, qualifications, and contact information for the on-site AQCMM and all AQCMM Delegates.	Ground	AQ-SC-1	Complete	11/5/2014	12/10/2014	
32	At least 30 days prior to the start of any ground disturbance, the project owner shall submit the Air Quality Construction Mitigation Plan AQCMP to the CPM for approval. The AQCMP shall include effectiveness and environmental data for the proposed soil stabilizer. The CPM will notify the project owner of any necessary modifications to the plan within 15 days from the date of receipt.	Ground	AQ-SC-2	Complete	9/12/2014		Air Quality Construction Mitigation Plan (AQCMP): The project owner shall provide an AQCMP, for approval, which details the steps that will be taken and the reporting requirements necessary to ensure compliance with Conditions of Certification AQ-SC3, AQ-SC4, and AQ-SC5.
33	The main access roads through the facility to the power block areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for thepurposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction in the main power block area, and delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries	Dust	AQ-SC-3	Ongoing			
34	All unpaved construction roads and unpaved operation and maintenance site roads, as they are being constructed, shall be stabilized with a non-toxic soil stabilizer or soil weighting agent that can be determined to be both as efficient or more efficient for fugitive dust control as ARB approved soil stabilizers, and shall not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control. All other disturbed areas in the project and linear construction sites shall be watered as frequently as necessary during grading (consistent with Biology Conditions of Certification that address the minimization of standing water); and after active construction activities shall be stabilized with a non- toxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods, in order to comply with the dust mitigation objectives of Condition of Certification AQ-SC4. The frequency of watering can be reduced or eliminated during periods of precipitation.	Dust	AQ-SC-3	Ongoing			
35	No vehicle shall exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	Roads	AQ-SC-3	Ongoing			
36	Visible speed limit signs shall be posted at the construction site entrances.	Signs	AQ-SC-3	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
37	All construction equipment vehicle tires shall be inspected and washed as necessary to be cleaned free of dirt prior to entering paved roadways.	Dust	AQ-SC-3	Ongoing			
38	Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	Ramps	AQ-SC-3	Ongoing			
39	All unpaved exits from the construction site shall be graveled or treated to prevent track-out to public roadways.	Roads	AQ-SC-3	Ongoing			
40	All construction vehicles shall enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM.	Roads	AQ-SC-3	Ongoing			
41	Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage shall be provided with sandbags or other equivalently effective measures to prevent run-off to roadways, or other similar run-off control measures as specified in the Storm Water Pollution Prevention Plan (SWPPP), only when such SWPPP measures are necessary so that this Condition does not conflict with the requirements of the SWPPP.	Stormwater	AQ-SC-3	Ongoing			
42	All paved roads within the construction site shall be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	Roads	AQ-SC-3	Ongoing			
43	At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the construction site or construction staging areas shall be swept as needed (less during periods of precipitation) on days when construction activity occurs or on any other day when dirt or runoff resulting from the construction site activities is visible on the public paved roadways.	Roads	AQ-SC-3	Ongoing			
44	All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions shall be provided with a cover, or the materials shall be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	Transportation	AQ-SC-3	Ongoing			

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45	Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) shall be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this Condition shall remain in place until the soil is stabilized or permanently covered with vegetation.	Erosion and Sediment Control	AQ-SC-3	Ongoing			
46	The AQCMM shall provide the CPM in the Monthly Compliance Report to include the following to demonstrate control of fugitive dust emissions: A. A summary of all actions taken to maintain compliance with this Condition; B. Copies of any complaints filed with the District in relation to project construction; and C. Any other documentation deemed necessary by the CPM or AQCMM to verify compliance with this Condition. Such information may be provided via electronic format or disk at the project owner's discretion.	Dust	AQ-SC-3	Ongoing			
47	Dust Plume Response Requirement: The AQCMM or an AQCMM Delegate shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes that have the potential to be transported (A) off the project site and within 400 feet upwind of any regularly occupied structures not owned by the project owner or (B) 200 feet beyond the centerline of the construction of linear facilities indicate that existing mitigation measures are not resulting in effective mitigation. The AQCMP shall include a section detailing how the additional mitigation measures will be accomplished within the time limits specified. The AQCMM or Delegate shall implement the following procedures for additional mitigation measures in the event that such visible dust plumes are observed.	Dust	AQ-SC-4	Ongoing			Step 1: The AQCMM or Delegate shall direct more intensive application of the existing mitigation methods within 15 minutes of making such a determination. Step 2: The AQCMM or Delegate shall direct implementation of additional methods of dust suppression if Step 1, specified above, fails to result in adequate mitigation within 30 minutes of the original determination. Step 3: The AQCMM or Delegate shall direct a temporary shutdown of the activity causing the emissions if Step 2, specified above, fails to result in effective mitigation within one hour of the original determination.
48	The AQCMM shall provide the CPM a Monthly Compliance Report to include: A. A summary of all actions taken to maintain compliance with this Condition; B. Copies of any complaints filed with the District in relation to project construction; and C. Any other documentation deemed necessary by the CPM or AQCMM to verify compliance with this Condition. Such information may be provided via electronic format or disk at the project owner's discretion.	Compliance	AQ-SC-4	Ongoing			
49	Diesel-Fueled Engine Control: The AQCMM shall submit to the CPM, in the Monthly Compliance Report, a construction mitigation report that demonstrates compliance with the AQCMP mitigation measures for purposes of controlling diesel construction-related emissions. The following off-road diesel construction equipment mitigation measures shall be included in the Air Quality Construction Mitigation Plan (AQCMP) required by AQ-SC2, and any deviation from the AQCMP mitigation measures shall require prior and CPM notification and approval.	Compliance	AQ-SC-5	Ongoing			

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50	a. All diesel-fueled engines used in the construction of the facility shall have clearly visible tags issued by the on-site AQCM showing that the engine meets the Conditions set forth herein. b. All construction diesel engines with a rating of 50 hp or higher shall meet, at a minimum, the Tier 3 California Emission Standards for Off-Road Compression-Ignition Engines, as specified in California Code of Regulations, Title 13, section 2423(b)(1), unless a good faith effort to the satisfaction of the CPM that is certified by the on-site AQCMM demonstrates that such engine is not available for a particular item of equipment.	Equipment	AQ-SC-5	Ongoing			In the event that a Tier 3 engine is not available for any off-road equipment larger than 50 hp, that equipment shall be equipped with a Tier 2 engine, or an engine that is equipped with retrofit controls to reduce exhaust emissions of nitrogen oxides (NOX) and diesel particulate matter (DPM) to no more than Tier 2 levels unless certified by engine manufacturers or the on-site AQCMM that the use of such devices is not practical for specific engine types. (See AQ-SC-5)
51	d. All heavy earth-moving equipment and heavy duty construction- related trucks with engines meeting the requirements of (b) above shall be properly maintained and the engines tuned to the engine manufacturer's specifications. e. **All diesel heavy construction equipment shall not idle for more than ten minutes.** Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. f. Construction equipment will employ electric motors when feasible.	Equipment	AQ-SC-5	Ongoing			
52	The AQCMM shall include in the Monthly Compliance Report the following to demonstrate control of diesel construction-related emissions: A. A summary of all actions taken to control diesel construction related emissions; B. A list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that equipment has been properly maintained; and C. Any other documentation deemed necessary by the CPM or AQCMM to verify compliance with this Condition. Such information may be provided via electronic format or disk at the project owner's	Compliance	AQ-SC-5	Ongoing			
53	The project owner, when obtaining dedicated on-road or off-road vehicles for panel washing activities and other facility maintenance activities, shall only obtain vehicles that meet California on-road vehicle emission standards or appropriate U.S.EPA/California off-road engine emission standards for the latest model year available when obtained.	Equipment	AQ-SC-6	Ongoing			
54	At least 30 days prior to the start commercial operation, the project owner shall submit to the CPM a copy of the plan that identifies the size and type of the on-site vehicle and equipment fleet and the vehicle and equipment purchase orders and contracts and/or purchase schedule. The plan shall be updated every other year and submitted in the Annual Compliance Report.	Equipment	AQ-SC-6	Ongoing			
55	The Site Operations Fugitive Dust Control Plan shall include the use of durable non-toxic soil stabilizers on all regularly used unpaved roads and disturbed off-road areas, or alternative methods for stabilizing disturbed off-road areas, within the project boundaries, and shall include the inspection and maintenance procedures that will be undertaken to ensure that the unpaved roads remain stabilized.	Dust	AQ-SC-7	Ongoing			

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56	At least 30 days prior to start of commercial operation, the project owner shall submit to the CPM for review and approval a copy of the Site Operations Dust Control Plan that identifies the dust and erosion control procedures, including effectiveness and environmental data for the proposed soil stabilizer, that will be used during operation of the project and that identifies all locations of the speed limit signs.	Dust	AQ-SC-7	Ongoing			The performance and application of the fugitive dust controls shall also be measured against and meet the performance requirements of Condition AQ-SC4. The measures and performance requirements of AQ-SC4 shall also be included in the operations dust control plan.
57	Within 60 days after commercial operation, the project owner shall provide to the CPM a report identifying the locations of all speed limit signs, and a copy of the project employee and contractor training manual that clearly identifies that project employees and contractors are required to comply with the dust and erosion control procedures and on-site speed limits.			Ongoing			
58	The project owner shall not use any hazardous materials not listed in Appendix A, below, or in greater quantities or strengths than those identified by chemical name in Appendix A, below, unless approved in advance by the Compliance Project Manager (CPM).	Haz Material	HAZ-1	Ongoing			
59	The project owner shall provide to the CPM, in the Annual Compliance Report, a list of hazardous materials contained at the facility.	Haz Material	HAZ-1	Ongoing			
60	At least 60 days prior to receiving any hazardous material on the site for commissioning or operations, the project owner shall provide a copy of a final Hazardous Materials Business Plan, a Spill Prevention, Control, and Countermeasure Plan, and a Process Safety Management Plan to the CPM for approval.	Plans	HAZ-2	Ongoing			
61	The project owner shall concurrently provide a Hazardous Materials Business Plan (HMBP), and a Spill Prevention, Control, and Countermeasure Plan (SPCC) to the Riverside County Environmental Health Department (RCEHD), the Riverside County Fire Department (RCFD), and the CPM for review. After receiving comments from the RCEHD, the RCFD, and the CPM, the project owner shall reflect all recommendations in the final documents. Copies of the final HMBP shall then be provided to the RCEHD for information and to the CPM for approval.	Plans	HAZ-2	Ongoing			
62	At least 60 days prior to the delivery of any liquid hazardous material to the facility, the project owner shall provide a Safety Management Plan as described above to the CPM for review and approval.	Haz Material	HAZ-3	Ongoing			The plan shall include procedures, protective equipment requirements, training and a checklist. It shall also include a section describing all measures to be implemented to prevent mixing of incompatible hazardous materials. This plan shall be applicable during construction, commissioning, and operation of the power plant.

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63	At least 30 days prior to commencing construction, the project owner shall notify the CPM that a site-specific Construction Security Plan is available for review and approval.	Safety	HAZ-5	Complete	9/12/2014		The Construction Security Plan shall include the following: 1. perimeter security consisting of fencing enclosing the construction area; 2. security guards; 3. site access control consisting of a check-in procedure or tag system for construction personnel and visitors; 4. written standard procedures for employees, contractors and vendors when encountering suspicious objects or packages on site or off site; 5. protocol for contacting law enforcement and the CPM No Action Unless Event Occurs suspicious activity or emergency; and
64	The project owner shall also prepare a site-specific security plan for the commissioning and operational phases that will be available to the CPM for review and approval. The project owner shall implement site security measures that address physical site security and hazardous materials storage.	Safety	HAZ-6				The level of security to be implemented shall not be less than that described below (as per NERC 2002). For details of Operation Security Plan se HAZ-6.
65	The project owner shall fully implement the security plans and obtain CPM approval of any substantive modifications to those security plans.	Safety	HAZ-6				
66	At least 30 days prior to the initial receipt of operations-related hazardous materials on site, the project owner shall notify the CPM that a site- specific operations site security plan is available for review and approval. In the annual compliance report, the project owner shall include a statement that all current project employee and appropriate contractor background investigations have been performed, and that updated certification statements have been appended to the operations security plan. In the annual compliance report, the project owner shall include a statement that the operations security plan includes all current hazardous materials transport vendor certifications for security plans and employee background investigations.	Safety	HAZ-6				
67	The project owner shall submit to the Compliance Project Manager (CPM) at least 30 days prior to start of construction a copy of the Project Construction Safety and Health Program containing the following: • A Construction Personal Protective Equipment Program; • A Construction Exposure Monitoring Program; • A Construction Injury and Illness Prevention Program; • A Construction heat stress protection plan that implements and expands on existing Cal OSHA regulations as found in 8 CCR 3395; • A Construction Emergency Action Plan; • A Construction Flood Safety Plan; and • A Construction Fire Prevention Plan.	Safety	WORKERS SAFETY-1	Complete	9/12/2014		
68	The Personal Protective Equipment Program, the Exposure Monitoring Program, the Injury and Illness Prevention Program, the Construction Flood Safety Plan, and the Heat Stress Protection Plan shall be submitted to the CPM for review and approval concerning compliance of the program with all applicable safety orders. The Construction Emergency Action Plan and the Fire Prevention Plan shall be submitted to the Riverside County Fire Department for review and comment prior to submittal to the CPM for approval.	Safety	WORKERS SAFETY-1	Complete			

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69	At least 30 days prior to the start of first-fire or commissioning, the project owner shall submit to the CPM for review and approval the Project Operations and Maintenance Safety and Health Program containing the following: • An Operation Injury and Illness Prevention Plan; • An Operation heat stress protection plan that implements and expands on existing Cal OSHA regulations (8 CCR 3395); • A Best Management Practices (BMP) for the storage and application of herbicides; • An Emergency Action Plan that includes safety measures, engineering controls, and BMPs to address potential electrical shock hazards No Action Unless Event Occurs fire; • Hazardous Materials Management Program; • Fire Prevention Plan • An Operations Flood Safety Plan; and • Personal Protective Equipment Program (8 Cal Code Regs, §§ 3401-3411).	Safety	WORKERS SAFETY-2				The Operation Injury and Illness Prevention Plan, Emergency Action Plan, Heat Stress Protection Plan, BMP for Herbicides, and Personal Protective Equipment, an Operations Flood Safety Plan, and Personal Protective Equipment Program shall be submitted to the CPM for review and comment concerning compliance of the programs with all applicable safety orders. The Fire Prevention Plan and the Emergency Action Plan shall also be submitted to the Riverside County Fire Department for review and comment.
70	At least 30 days prior to the start of first-fire or commissioning, the project owner shall submit to the CPM for approval a copy of the Project Operations and Maintenance Safety and Health Program.	Safety	WORKERS SAFETY-2				
71	The project owner shall provide a site Construction Safety Supervisor (CSS) who, by way of training and/or experience, is knowledgeable of power plant construction activities and relevant laws, ordinances, regulations, and standards; is capable of identifying workplace hazards relating to the construction activities; and has authority to take appropriate action to assure compliance and mitigate hazards.	Safety	WORKERS SAFETY-3				
72	The CSS shall submit in the Monthly Compliance Report a monthly safety inspection report						
73	At least 60 days prior to the start of site mobilization, the project owner shall submit to the CPM the name and contact information for the Construction Safety Supervisor (CSS). The contact information of any replacement CSS shall be submitted to the CPM within one business day.	Safety	WORKERS SAFETY-3	Complete			For details on the Construction Safety Supervisor see WORKERS SAFETY-3
74	The project owner shall make payments to the Chief Building Official (CBO) for the services of a Safety Monitor based upon a reasonable fee schedule to be negotiated between the project owner and the CBO. Those services shall be in addition to other work performed by the CBO. The Safety Monitor shall be selected by and report directly to the CBO and will be responsible for verifying that the Construction Safety Supervisor, as required in Condition of Certification Worker Safety-3, implements all appropriate Cal/OSHA and Energy Commission safety requirements. The Safety Monitor shall conduct on-site (including linear facilities) safety inspections at intervals necessary to fulfill those responsibilities	Safety	WORKERS SAFETY-4				
75	At least 60 days prior to the start of construction, the project owner shall provide proof of its agreement to fund the Safety Monitor services to the CPM for review and approval.	Safety	WORKERS SAFETY-4	Complete	2/9/2015	18-Feb	

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76	The project owner shall ensure that a portable automatic external defibrillator (AED) is located on site during construction and operations and shall implement a program to ensure that workers are properly trained in its use and that the equipment is properly maintained and functioning at all times.	Safety	WORKERS SAFETY-5	Complete			
77	At least 60 days prior to the start of site mobilization, the project owner shall submit to the CPM proof that a portable automatic external defibrillator (AED) exists on site and a copy of the training and maintenance program for review and approval.	Safety	WORKERS SAFETY-5	Complete			
78	The project owner shall: a. Provide a second access gate for emergency personnel to enter the site. This secondary access gate shall be at least one-quarter mile from the main gate. b. Maintain the main access road and provide a plan for implementation.	Roads	WORKERS SAFETY-6				
79	At least sixty (60) days prior to the start of site mobilization, the project owner shall submit to the Riverside County Fire Department and the CPM preliminary plans showing the location of a second access gate to the site, a description of how the gate will be opened by the fire department, and a description and map showing the location, dimensions, and composition of the main road. At least thirty (30) days prior to the start of site mobilization, the project owner shall submit final plans plus the road maintenance plan to the CPM review and approval. The final plan submittal shall also include a letter containing comments from the Riverside County Fire Department or a statement that no comments were received	Roads	WORKERS SAFETY-6	Complete	2/2/2015	2/18/2015	
80	The project owner shall fund its share of capital costs in the amount of $250,000 and provide an annual payment of $100,000 to the RCFD for the support of construction, operations and maintenance commencing with the start of site mobilization and continuing annually thereafter. All annual payments after the initial payment shall be subject to an annual escalator of 2 percent on the anniversary until the final date of power plant non-operation and facility closure.	Fee	WORKERS SAFETY-7	Ongoing			Check for 350,000 sent to RCFD December 2014
81	Not less than fifteen (15) days after the start of site mobilization, the project owner shall provide to the CPM documentation that the amount of $250,000 has been paid to the RCFD, documentation that the first annual payment of $100,000 has been paid to the RCFD, and shall also provide evidence in each January Monthly Compliance Report during construction and the Annual Compliance Report during operation that subsequent annual payments plus the annual escalator have been made.	Fee	WORKERS SAFETY-7	Complete	1/21/2015	2/3/2015	
82	The project owner shall develop and implement an enhanced Dust Control Plan that includes the requirements described in AQ-SC3 and additionally requires: i. Site worker use of dust masks (NIOSH N-95 or better) whenever visible dust is present; ii. Implementation of enhanced dust control methods (increased frequency of watering, use of dust suppression chemicals, etc. consistent with AQ- SC4) immediately whenever visible dust comes from or onto the site.	Dust	WORKERS SAFETY-8	Ongoing			

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83	At least 60 days prior to the commencement of site mobilization, the enhanced Dust Control Plan shall be provided to the CPM for review and approval	Dust	WORKERS SAFETY-8	Complete	7/17/2014		
84	The project owner shall submit to the Riverside County Fire Department (RCFD) all plans and schematic diagrams that show the details of all fire detection and suppression systems and shall pay the RCFD its usual and customary fee for the review of those plans and inspection of the site to ensure compliance with those plans. The project owner shall provide proof to the CPM that the plans have been submitted to the RCFD on a timely basis and a copy of the comments received from the RCFD.	Safety	WORKERS SAFETY-9	Ongoing			
85	In each Monthly Compliance Report during construction, the project owner shall include any and all comments received from the RCFD on fire detection and suppression systems and proof that the required plan review and inspection fees have been paid to the fire department.	Fee	WORKERS SAFETY-9	Ongoing			
86	During operation, the project owner shall provide proof in the Annual Compliance Report that the required inspection fees have been paid to the fire department.	Compliance	WORKERS SAFETY-9	Ongoing			
87	The project owner shall report to the CPM within 24 hours of any incidence of heat illness (heat stress, exhaustion, stroke, or prostration) occurring in any worker on-site and shall report to the CPM the incidence of any confirmed case of Valley Fever in any worker on the site within 24 hours of receipt of medical diagnosis.	Safety	WORKERS SAFETY-10	Ongoing			
88	The project owner shall provide reports of heat-related and Valley Fever incidences in any worker on the site via telephone call or e-mail to the CPM within 24 hours of a heat-related occurrence or confirmed diagnosis of a case of Valley Fever, and shall include such reports in the Monthly Compliance Report during construction and the Annual Compliance Report during operation.	Safety	WORKERS SAFETY-10	Ongoing			
89	At least 60 days prior to site mobilization or construction-related ground disturbance, the project owner shall submit the names and resumes of the Designated Biologist (s) along with completed USFWS Desert Tortoise Authorized Biologist Request Form (www.fws.gov/ventura/speciesinfo/protocols_guidelines) to the USFWS and the CPM in consultation with the CDFW for review and final approval.	Biology	BIO-1	Complete			
90	No site mobilization or construction-related ground disturbance, grading, boring, or trenching shall commence until an approved Designated Biologist is available to be on site.	Grading	BIO-1	Ongoing			
91	If a Designated Biologist needs to be replaced, the specified information of the proposed replacement must be submitted to the CPM at least 10 working days prior to the termination or release of the preceding Designated Biologist. In an emergency, the project owner shall immediately notify the CPM to discuss the qualifications and approval of a short-term replacement while a permanent Designated Biologist is proposed to the CPM and for consideration.	Biology	BIO-1	Ongoing			

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92	The Designated Biologist shall provide copies of all written reports, email communications and summaries that document biological resources compliance activities in the Monthly Compliance Reports submitted to the CPM. During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report unless his or her duties cease, as approved by the CPM.	Biology	BIO-2	Ongoing			If actions may affect biological resources during operation a Designated Biologist shall be available for monitoring and reporting.
93	The project owner's approved Designated Biologist shall submit the resume, at least three references, and contact information of the proposed Biological Monitors to the CPM. The resume shall demonstrate, to the satisfaction of the CPM, the appropriate education and experience to accomplish the assigned biological resource tasks. The Biological Monitor is the equivalent of the USFWS designated Desert Tortoise Monitor (USFWS 2008).The project owner shall submit the specified information to the CPM for approval at least 45 days prior to the start of any site mobilization or construction activities.	Biologist	BIO-3	Complete			
94	Biological Monitor(s) training by the Designated Biologist shall include familiarity with the Conditions of Certification, BRMIMP, WEAP, and USFWS guidelines on desert tortoise surveys and handling procedures <www.fws.gov/ventura/speciesinfo/protocols_guidelines>.	Biologist	BIO-3	Ongoing			
95	The Designated Biologist shall submit a written statement to the CPM confirming that individual Biological Monitor(s) has been trained including the date when training was completed.	Biologist	BIO-3	Ongoing			If additional biological monitors are needed during construction the specified information shall be submitted to the CPM and for approval at least 10 days prior to their first day of monitoring activities.
96	The Designated Biologist shall submit in the Monthly Compliance Report to the CPM and copies of all written reports and summaries that document biological resources compliance activities, including those conducted by Biological Monitors. If actions may affect biological resources during operation a Biological Monitor, under the supervision of the Designated Biologist, shall be available for monitoring and reporting.	Biology	BIO-4	Ongoing			
97	During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report unless their duties cease, as approved by the CPM.	Biology	BIO-4	Ongoing			

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98	The project owner's construction/operation manager shall act on the advice of the Designated Biologist, Biological Monitor(s), and CPM to ensure conformance with the Biological Resources Conditions of Certification. The project owner shall provide Energy Commission staff with reasonable access to the project site under the control of the project owner and shall otherwise fully cooperate with the Energy Commission's efforts to verify the project owner's compliance with, or the effectiveness of, mitigation measures set forth in the Conditions of Certification. During operations, or when the Designated Biologist and/or Biological Monitors are not onsite, the following provisions are the project owner's responsibility The Designated Biologist shall:	Biology	BIO-5	Ongoing			
99	The Designated Biologist shall have the authority to immediately stop any activity that is not in compliance with these conditions and/or order any reasonable measure to avoid take of an individual of a listed species. If required by the Designated Biologist the project owner's construction/operation manager shall halt all site mobilization, and construction, including ground disturbance, site preparation, or permanent installation activities, including installation of desert tortoise exclusion	Biology	BIO-5	Ongoing			During operations, or when the Designated Biologist and/or Biological Monitors are not onsite, the following provisions are the project owner's responsibility The Designated Biologist shall: 1. Require a halt to all activities in any area when determined that there would be an unauthorized adverse impact to biological resources if the activities continued;
100	If the Designated Biologist is unavailable for direct consultation, the Biological Monitor shall act on behalf of the Designated Biologist.	Biology	BIO-5	Ongoing			
101	The project owner shall ensure that the Designated Biologist or Biological Monitor notifies the CPM and BLM immediately (and no later than the morning following the incident, or Monday morning in the case of a weekend) of any non-compliance or a halt of any site mobilization, ground disturbance, grading, construction, and operation activities, via phone and email. If the non-compliance or halt to construction or operation relates to desert tortoise or any other federal or state-listed species, the project owner shall notify the Palm Springs Office of USFWS and Ontario Office of CDFW at the same time. The project owner shall notify the CPM of the circumstances and actions being taken to resolve the problem.	Biology	BIO-5	Ongoing			
102	Whenever corrective action is taken by the project owner, a determination of success or failure would be made by the CPM in consultation with BLM, USFWS and CDFW, within 5 working days after receipt of notice that corrective action is completed, or the project owner would be notified by the CPM that coordination with other agencies would require additional time before a determination can be made.	Biology	BIO-5	Ongoing			
103	The project owner shall develop and implement a Blythe Project-specific Worker Environmental Awareness Program (WEAP) and shall secure approval for the WEAP from the CPM. The project owner shall also provide the, USFWS and CDFW a copy of all portions of the WEAP relating to desert tortoise and any other federal or state-listed species for review and comment. The WEAP shall be administered to all onsite personnel. The specific program can be administered by a competent individual(s) acceptable to the Designated Biologist	Training	BIO-6	Complete			For requirements on WEAP refer to BIO-6

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104	At least 45 days prior to site mobilization and construction the project owner shall provide to the CPM for review and approval and to BLM, USFWS, and CDFW a copy of the final WEAP and all supporting written materials and electronic media prepared or reviewed by the Designated Biologist and a resume of the person(s) administering the program.	Training	BIO-6	Complete	9/12/2014		
105	The project owner shall provide in the Monthly Compliance Report the number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date. At least 10 days prior to site mobilization and construction the project owner shall submit two copies of the final WEAP and implement the training for all workers.	Training	BIO-6	Ongoing			
106	Training acknowledgement forms signed during construction shall be kept on file by the project owner for at least 6 months after the start of commercial operation.	Training	BIO-6	Ongoing			
107	Throughout the life of the project, the WEAP shall be repeated annually for permanent employees, and shall be routinely administered within one week of arrival to any new construction personnel, foremen, contractors, subcontractors, and other personnel potentially working within the project area. Upon completion of the orientation, employees shall sign a form stating that they attended the program and understand all protection measures. These forms shall be maintained by the project owner and shall be made available to the CPM, BLM, USFWS, and CDFW and upon request. Workers shall receive and be required to visibly display a hardhat sticker or certificate that they have completed the training.	Training	BIO-6	Ongoing			
108	During project operation, signed statements for operational personnel shall be kept on file for six months following the termination of an individual's employment.	General	BIO-6	Ongoing			
109	The project owner shall develop a Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP), and shall submit two copies of the proposed BRMIMP to the CPM for review and approval. The project owner shall submit the draft BRMIMP to the CPM at least 60 days prior to start of any site mobilization and construction-related ground disturbance, grading, boring, and trenching. At the same time, the project owner shall provide to BLM, CDFW, and USFWS a copy of all portions of the draft BRMIMP relating to desert tortoise and any other federal or state-listed species. The project owner shall provide the final BRMIMP to the CPM, BLM, CDFW, and USFWS at least 30 days prior to the start of any site mobilization and construction, grading, boring, or trenching. The BRMIMP shall contain all of the required measures included in all biological conditions of certification. No site mobilization or-construction-related ground disturbance, grading, boring or trenching may occur prior to approval of the final BRMIMP by the CPM.	Biology	BIO-7	Complete			Submitted. Awaiting approval.
110	If any permits have not yet been received when the final BRMIMP is submitted, these permits shall be submitted to the CPM within 5 days of their receipt, and the BRMIMP shall be revised or supplemented to reflect the permit condition(s). The project owner shall submit to the CPM the revised or supplemented BRMIMP within 10 days following the project owner's receipt of any additional permits. Under no circumstances shall ground disturbance proceed without implementation of all permit conditions.	Biology	BIO-7	Ongoing			

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111	To verify that the extent of construction disturbance does not exceed that described in these conditions, the project owner shall submit aerial photographs, at an approved scale, taken before and after construction to the CPM, BLM, USFWS, and CDFW. The first set of aerial photographs shall reflect site conditions prior to any preconstruction site mobilization and construction-related ground disturbance, grading, boring, and trenching, and shall be submitted prior to initiation of such activities.	Aerial Photos	BIO-7	Complete			Aerial photographs submitted by solar milenium in 2009.
112	The second set of aerial photographs shall be taken subsequent to completion of construction, and shall be submitted to the CPM, BLM, USFWS, and CDFW no later than 90 days after completion of construction.			Ongoing			
113	The project owner shall also provide a final accounting in whole acres of vegetation communities/cover types present before and after construction. Construction acreages shall be rounded to the nearest acre.			Ongoing			
114	Any changes to the approved BRMIMP must be approved by the CPM in consultation with BLM, CDFW, and USFWS.	Biology	BIO-7	Ongoing			
115	Implementation of BRMIMP measures (for example, construction activities that were monitored, species observed) shall be reported in the Monthly Compliance Reports by the Designated Biologist.	Biology	BIO-7	Ongoing			
116	Within 30 days after completion of project construction, the project owner shall provide to the CPM, for review and approval, a written construction termination report identifying which items of the BRMIMP have been completed, a summary of all modifications to mitigation measures made during the project's site mobilization and construction activities, and which mitigation and monitoring items are still outstanding.	Biology	BIO-7	Ongoing			
117	1. Limit Disturbance Areas. Equipment maintenance and refueling shall not be conducted with 100 feet of any sensitive resource (for example, waters of the state, creosote bush–big galleta association, desert dry wash woodland, unvegetated ephemeral dry wash, dune habitats, and rare plant populations). The boundaries of all areas to be disturbed (including staging areas, access roads, and sites for temporary placement of spoils) shall be delineated with stakes and flagging prior to site mobilization and construction activities in consultation with the Designated Biologist. Spoils and topsoil shall be stockpiled in disturbed areas lacking native vegetation and which do not provide habitat for special-status species. Parking areas, staging and disposal site locations shall similarly be located in areas without native vegetation or special-status species habitat. 2. Minimize Road Impacts. New and existing roads that are planned for construction, widening, or other improvements shall not extend beyond the flagged impact area as described above. All vehicles passing or turning around would do so within the planned impact area or in previously disturbed areas. Where new access is required outside of existing roads or the construction zone, the route shall be clearly marked (i.e., flagged and/or staked) prior to the onset of construction.	Biology	BIO-8	Ongoing			

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118	3. Minimize Traffic Impacts. Vehicular traffic during project construction and operation shall be confined to existing routes of travel to and from the project site, and cross country vehicle and equipment use outside designated work areas shall be prohibited. The speed limit shall not exceed 25 miles per hour within the project area, on dirt maintenance roads for linear facilities, or on dirt access roads to the project site. Private paved roads shall not exceed 45 mph; speed limits will be lowered during the tortoise's most active period (April through May and September through October [USFWS 2010]) to 35 miles per hour. The speed limit within 3 miles of the Colorado River Substation will be posted at 10 mph. Speed limit signs shall be posted on new access roads to the site.	Biology	BIO-8	Ongoing			
119	4. Salvage or Relocate Wildlife during Ground Disturbance Activities. The Designated Biologist or Biological Monitor shall salvage or relocate sensitive wildlife during ground disturbance activities including clearing, grubbing, and grading operations when feasible to off-site habitat or out of harm's way. The species shall be salvaged or relocated when conditions will not jeopardize the health and safety of the monitor. 5. Monitor During Construction. In areas that have not been fenced with desert tortoise exclusion fencing and cleared, the Designated Biologist shall be present at the construction site during all project activities that have potential to disturb soil, vegetation, and wildlife. Upon completion of desert tortoise fencing installation and clearing the Designated Biologist or Biological Monitor shall be present at the construction site during all Project activities that have potential to disturb soil, vegetation, and wildlife. The Designated Biologist or Biological Monitor shall clear ahead of equipment during brushing and grading activities. If desert tortoise are found during construction monitoring, procedures outlined in BIO-9 shall be implemented.	Biology	BIO-8	Ongoing			
120	6. Minimize Impacts of Transmission/Pipeline Alignments, Roads, and Staging Areas. Staging areas for construction on the plant site shall be within the area that has been fenced with desert tortoise exclusion fencing and cleared. For construction activities outside of the plant site (transmission line, pipeline alignments) access roads, pulling sites, and storage and parking areas shall be designed, installed, and maintained with the goal of minimizing impacts to native plant communities and sensitive biological resources.	Biology	BIO-8	Ongoing			
121	7. Avoid Use of Toxic Substances. Soil bonding and weighting agents used on unpaved surfaces shall be non-toxic to wildlife and plants. 8. Minimize Lighting Impacts. Facility lighting shall be designed, installed, and maintained to prevent side casting of light towards wildlife habitat.	Biology	BIO-8	Ongoing			
122	9. Minimize Noise Impacts. Loud construction activities (e.g., hydraulic ram, or other) shall be avoided from February 15 to April 15 when it would result in noise levels over 65 dBA in nesting habitat (excluding noise from passing vehicles). Loud construction activities may be permitted from February 15 to April 15 only if: a. the Designated Biologist provides documentation (i.e., nesting bird data collected using methods described in BIO-15 and maps depicting location of the nest survey area in relation to noisy construction) to the CPM indicating that no active nests would be subject to 65 dBA noise, OR b. the Designated Biologist or Biological Monitor monitors active nests within the range of construction-related noise exceeding 65 dBA.	Biology	BIO-8	Ongoing			

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123	10. Avoid Vehicle Impacts to Desert Tortoise. Parking and storage shall occur within the area enclosed by desert tortoise exclusion fencing to the extent feasible. No vehicles or construction equipment parked outside the fenced area shall be moved prior to an inspection of the ground beneath the vehicle for the presence of desert tortoise. If a desert tortoise is observed outside the areas permanently fenced with desert tortoise exclusion fencing, it shall be left to move on its own. If it does not move within 15 minutes, a Designated Biologist or Biological Monitor under the Designated Biologist's direct supervision may move it out of harm's way as described in the USFWS Desert Tortoise Field Manual (USFWS 2009).	Biology	BIO-8	Ongoing			
124	11. Avoid Wildlife Pitfalls. To avoid trapping desert tortoise and other wildlife in trenches, pipes or culverts, the following measures shall be implemented: a. Backfill Trenches. At the end of each work day, the Designated Biologist or Biological Monitor shall ensure that all potential wildlife pitfalls (trenches, bores, and other excavations) outside the area fenced with desert tortoise exclusion fencing have been backfilled. If backfilling is not feasible, all trenches, bores, and other excavations shall be sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access, or fully enclosed with desert tortoise-exclusion fencing. All trenches, bores, and other excavations outside the areas permanently fenced with desert tortoise exclusion fencing shall be inspected periodically throughout the day, at the end of each workday and at the beginning of each day by the Designated Biologist or a Biological Monitor. Should a tortoise or other wildlife become trapped, the Designated Biologist or Biological Monitor move it out of harm's way as described in the most recent USFWS Desert Tortoise Field Manual (currently USFWS 2009). Any other wildlife encountered during the course of construction shall be allowed to leave the construction area unharmed. b. Avoid Entrapment of Desert Tortoise. Any construction pipe, culvert, or similar structure with a diameter greater than 3 inches, stored less than 8 inches aboveground and within desert tortoise habitat (i.e., outside the permanently fenced area) for one or more nights, shall be inspected for tortoises before the material is moved, buried or capped. As an alternative, all such structures may be capped before being stored outside the fenced area, or placed on elevated pipe racks. These materials would not need to be inspected or capped if they are stored within the permanently fenced area after the clearance surveys have been completed.	Biology	BIO-8	Ongoing			

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125	12. Minimize Standing Water. Water applied to dirt roads and construction areas (trenches or spoil piles) for dust abatement shall use the minimal amount needed to meet safety and air quality standards in an effort to prevent the formation of puddles, which could attract desert tortoises and common ravens to construction sites. 13. Dispose of Road-killed Animals. Road killed animals or other carcasses detected by personnel on roads associated with the project area shall be reported immediately to a Designated Biologist, Biological Monitor or Project Environmental Compliance Manager who will promptly remove the roadkill for disposal (i.e. removal to a landfill or disposal at the BSPP facility). For special-status species roadkill, the Biological Monitor shall contact the CPM, CDFW and USFWS within 1 working day of detection (within 8 hours in the case of a desert kit fox) of the carcass for guidance on disposal or storage of the carcass; all other roadkill shall be disposed of promptly, or as directed by the USFWS or CDFW. Handling of desert kit fox carcasses shall follow handling requirements included in the BIO-17 American Badger and Kit Fox Management Plan. The Biological Monitor shall provide the special-status species record as described in BIO-11 below.	Biology	BIO-8	Ongoing			
126	14. Minimize Spills of Hazardous Materials. All vehicles and equipment shall be maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials. The Designated Biologist shall be informed of any hazardous spills immediately as directed in the Project Hazardous Materials Plan. Hazardous spills shall be immediately cleaned up and the contaminated soil properly disposed of at a licensed facility. Servicing of construction equipment shall take place only at a designated area. Service/maintenance vehicles shall carry a bucket and pads to absorb leaks or spills. 15. Worker Guidelines. During construction all trash and food-related waste shall be placed in self-closing containers and removed daily from the site. Workers shall not feed wildlife or bring pets to the project site. Except for law enforcement personnel, no workers or visitors to the site shall bring firearms or weapons.	Biology	BIO-8	Ongoing			
127	16. Avoid Spread of Noxious Weeds. The project owner shall implement the following Best Management Practices during construction and operation, and all other measures as required in the final approved Weed Management Plan (BIO-14) to prevent the spread and propagation of noxious weeds and other invasive plants: a. For work outside the project facility fence line limit the size of any vegetation and/or ground disturbance and limit ingress and egress to defined routes; b. Prevent spread of non-native plants via vehicular sources by implementing Trackclean™ or other methods of vehicle cleaning for vehicles getting into and out of the construction sites. Earth-moving equipment shall be cleaned prior to transport to the construction site; and c. Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Biology	BIO-8	Ongoing			

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128	17. Implement Erosion Control Measures. Standard erosion control measures shall be implemented for all phases of construction and operation where sediment run-off from exposed slopes threatens to enter "Waters of the State". Sediment and other flow-restricting materials shall be moved to a location where they shall not be washed back into the stream. All disturbed soils and roads within the project site shall be stabilized to reduce erosion potential, both during and following construction. Areas of disturbed soils (access and staging areas) which slope toward drainages shall be stabilized to reduce erosion potential. 18. Monitor Ground Disturbing Activities Prior to Pre-Construction Site Mobilization. If pre-construction site mobilization requires ground- disturbing activities such as for geotechnical borings or hazardous waste evaluations, a Designated Biologist or Biological Monitor shall be present to monitor any actions that could disturb soil, vegetation, or wildlife. 19. Implement Erosion Control Measures. All disturbed soils and roads within the Project site shall be stabilized to reduce erosion potential, both during and following construction. All areas subject to temporary disturbance shall be restored to pre-project grade and stabilized to prevent erosion and promote natural revegetation. Temporarily disturbed areas within the Project area include, but are not limited to: linear facilities, temporary access roads, temporary lay-down and staging areas. If erosion control measures include the use of seed, only locally native plant species from a local seed source shall be used. Local seed includes seeds from plants within the Chuckwalla Valley or Colorado River Hydrologic Units.	Biology	BIO-8	Ongoing			
129	20. Avoid Spreading Weeds. Prior to the start of site mobilization and construction, flag and avoid dense populations of highly invasive noxious weeds. If these areas cannot be avoided, they shall be pre-treated by the methods described in BIO-14 (Weed Management Plan). Noxious weeds and other invasive non-native plants in the temporarily disturbed areas shall be managed according to the requirements in BIO-14. 21. Salvage Topsoil. Topsoil from native desert areas to be temporarily disturbed (other than existing roads that have already been disturbed from previous construction activities) shall be salvaged, preserved and re-used for restoration of temporarily disturbed areas, except where lessinvasive methods are used to maintain soil seed banks, functioning and root crowns (e.g., drive over/crush method). Salvaged topsoil shall be collected, stored and applied in a way that maintains the viability of seed and soil crusts. The project owner shall excavate and collect the upper soil layer (the top 1 to 2 inches that includes the seed bank and biotic soil crust) as well as the lower soil layer in accordance with the Project's Revegetation Plan. The upper and lower soil layers shall be stockpiled separately in areas that will not be impacted by other grading, flooding, erosion, or pollutants. If the soil is to be stored more than 2 weeks it shall be spread out to a depth of no more than approximately 6 inches to maintain the seed and soil crust viability, unless that storage would create increase disturbance to undisturbed surfaces. As needed, the project owner shall install temporary construction fencing around stockpiled topsoil, and signage that indicates whether the pile is the upper layer seed bank, or the lower layer, and clearly indicates that the piles are for use only in erosion control. After construction, the project owner shall replace the topsoil in the temporarily disturbed areas in the reverse order of stockpiling, subsoil, and then the seed-containing upper layer of topsoil.	Biology	BIO-8	Ongoing			

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130	22. Revegetation of Temporarily Disturbed Areas. The project owner shall prepare and implement a Revegetation Plan to restore all areas subject to temporary disturbance to pre-project grade and conditions. Temporarily disturbed areas within the project area include, but are not limited to: all proposed locations for linear facilities, temporary access roads, construction work temporary lay-down areas, and construction equipment staging areas. The Revegetation Plan shall include a description of topsoil salvage and seeding techniques and a monitoring and reporting plan, and the following performance standards by the end of monitoring year 2: a. at least 80 percent of the species observed within the temporarily disturbed areas shall be native species that naturally occur in desert scrub habitats; and b. relative cover and density of plant species within the temporarily disturbed areas shall equal at least 60 percent.	Biology	BIO-8	Ongoing			
131	23. Decommission Temporary Access Roads with Vertical Mulching. Discourage ORV use of temporary construction roads by installing vertical mulching at the head of the road to a distance necessary to obscure the road from view, when the road is no longer in use for construction. Construction roads that are used infrequently will be blocked by barricades that can be easily removed for access by construction personnel, until they are no longer used. Boulder barricades and gates shall not be used for permanent vertical mulch unless the remainder of the site is fenced to prevent driving around the gate or barricade. Designated ORV routes and roads shall not be closed.	Biology	BIO-8	Ongoing			
132	As part of the Annual Compliance Report each year following construction, the Designated Biologist shall provide a report to the CPM that describes compliance with avoidance and minimization measures to be implemented during construction, operation, and maintenance (for example a summary of the incidence of road-killed animals during the year, implementation of measures to avoid toxic spills, erosion and sedimentation, efforts to enforce worker guidelines, etc.).	Biology	BIO-8	Ongoing			
133	No less than 30 days prior to site mobilization and construction, the project owner shall submit to the CPM, BLM, and CDFW a final agency-approved Revegetation Plan that has been reviewed and approved by the CPM in consultation with BLM. All modifications to the Revegetation Plan shall be made only after approval from the CPM.	Biology	BIO-8	Complete	10/1/2014		
134	Within 30 days after completion of project construction, the project owner shall provide to the CPM for review and approval, a written report identifying which items of the Revegetation Plan have been completed, a summary of all modifications to mitigation measures made during the project's construction phase, and which items are still outstanding.	Biology	BIO-8	Ongoing			
135	As part of the Annual Compliance Report, each year following construction until the completion of the revegetation monitoring specified in the Revegetation Plan, the Designated Biologist or project owner shall provide a report to the CPM that includes: a summary of revegetation activities for the year, a discussion of whether revegetation performance standards for the year were met; and recommendations for revegetation remedial action, if warranted, are planned for the upcoming year.	Biology	BIO-8	Ongoing			
136	If loud construction activities are proposed between February 15 and April 15 which would result in noise levels over 65 dBA in nesting habitat, the project owner shall submit nest survey results (as described in 8a) to the CPM no more than 7 days before initiating such construction. If an active nest is detected within this survey area the project owner shall submit a Nesting Bird Monitoring and Management Plan to the CPM for review and approval no more than 7 days before initiating noisy construction.	Biology	BIO-8	Ongoing			

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137	1. Desert Tortoise Exclusion Fence Installation. To avoid impacts to desert tortoises, permanent exclusion fencing shall be installed along the permanent perimeter security fence (boundaries) as phases are constructed. Temporary fencing shall be installed along any subset of the plant site phasing that does not correspond to permanent perimeter fencing. Temporary fencing shall be installed along linear features unless a Biological Monitor is present in the immediate vicinity of construction activities for the linear facility.	Biology	BIO-9	Ongoing			Disturbance associated with desert tortoise exclusionary fence construction shall not exceed 30 feet on either side of the proposed fence alignment. Prior to the surveys the project owner shall provide to the CPM, BLM, CDFW and USFWS a figure clearly depicting the limits of construction disturbance for the proposed fence installation.
138	Desert tortoise located within the utility ROW alignments shall be moved out of harm's way in accordance with the current USFWS Desert Tortoise Field Manual. Any desert tortoise detected during clearance surveys for fencing within the project site and along the perimeter fence alignment shall be translocated and monitored in accordance with the Desert Tortoise Relocation/Translocation Plan (BIO-10). Tortoise shall be handled by the Designated Biologist(s) in accordance with the current USFWS Desert Tortoise Field Manual.	Biology	BIO-9	Ongoing			
139	a. Timing, Supervision of Fence Installation. The exclusion fencing shall be installed in any area subject to disturbance prior to the onset of site clearing and grubbing in that area. The fence installation shall be supervised by the Designated Biologist and monitored by the Biological Monitors to ensure the safety of any tortoise present. b. Fence Material and Installation. All desert tortoise exclusionary fencing shall be constructed in accordance with the current USFWS' Desert Tortoise Field Manual or the most recent agency guidance with the approval of the CPM. c. Security Gates. Security gates shall be designed with minimal ground clearance to deter ingress by tortoises. The gates may be electronically activated to open and close immediately after the vehicle(s) have entered or exited to prevent the gates from being kept open for long periods of time.	Biology	BIO-9	Ongoing			
140	d. Fence Inspections. Following installation of the desert tortoise exclusion fencing for both the permanent site fencing and temporary fencing in the utility corridors, the fencing shall be regularly inspected. If tortoise were moved out of harm's way during fence construction, permanent and temporary fencing shall be inspected at least two times a day for the first 7 days to ensure a recently moved tortoise has not been trapped within the fence. Thereafter, permanent fencing shall be inspected monthly and during and within 24 hours following all major rainfall events. A major rainfall event is defined as one for which flow is detectable within the fenced drainage. Any damage to the fencing shall be temporarily repaired immediately to keep tortoises out of the site, and permanently repaired within 48 hours of observing damage. Inspections of permanent site fencing shall occur for the life of the project. Temporary fencing shall be inspected weekly and, where drainages intersect the fencing, during and within 24 hours following major rainfall events. All temporary fencing shall be repaired immediately upon discovery and, if the fence may have permitted tortoise entry while damaged, the Designated Biologist shall inspect the area for tortoise.	Biology	BIO-9	Ongoing			

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141	2. Desert Tortoise Clearance Surveys within the Plant Site. Clearance surveys shall be conducted in accordance with the current USFWS Desert Tortoise Field Manual and shall consist of two surveys covering 100 percent the project area by walking transects no more than 15-feet apart.	Biology	BIO-9	Ongoing			If a desert tortoise is located on the second survey, a third survey shall be conducted. To maximize the opportunity to find all tortoises each separate survey shall be walked in a different direction, in opposite directions, and/or offset to allow opposing angles of observation, or as directed in the
142	a. Burrow Searches. During clearance surveys all desert tortoise burrows, and burrows constructed by other species that might be used by desert tortoises, shall be examined by the Designated Biologist, who may be assisted by the Biological Monitors, to assess occupancy of each burrow by desert tortoises and handled in accordance with the current USFWS Desert Tortoise Field Manual. b. Burrow Excavation/Handling. All potential desert tortoise burrows located during clearance surveys would be excavated by hand, tortoises removed, and collapsed or blocked to prevent occupation by desert tortoises in accordance with the Desert Tortoise Relocation/Translocation Plan.	Biology	BIO-9	Ongoing			
143	3. Monitoring Following Clearing. Following the desert tortoise clearance and removal from the power plant site and utility corridors, workers and heavy equipment shall be allowed to enter the project site to perform clearing, grubbing, leveling, and trenching activities. A Designated Biologist or Biological Monitor shall be onsite for clearing and grading activities to move tortoises missed during the initial tortoise clearance survey. Should a tortoise be discovered, it shall be relocated or translocated as described in the Desert Tortoise Relocation/Translocation Plan. 4. Reporting. The Designated Biologist shall record information for any desert tortoises handled:	Biology	BIO-9	Ongoing			
144	Within 30 days after completion of desert tortoise clearance surveys the Designated Biologist shall submit a report to BLM, the CPM, USFWS, and CDFW describing implementation of each of the mitigation measures listed above.	Biology	BIO-9	Ongoing			Unit 1 completed and submitted. Unit 2 to be completed in the spring.
145	The project owner shall develop and implement a final Desert Tortoise Relocation/Translocation Plan (Plan) that is consistent with current USFWS approved guidelines, and meets the approval of the CPM.	Biology	BIO-10	Ongoing			
146	At least 60 days prior to site mobilization and construction the project owner shall provide the CPM with the final version of a Desert Tortoise Relocation/Translocation Plan that has been reviewed and approved by the CPM in consultation with BLM, USFWS and CDFW. All modifications to the approved Plan shall be made only after approval by the CPM, in consultation with BLM, USFWS and CDFW.	Biology	BIO-10	Complete	10/10/2014		
147	Within 30 days after initiation of relocation and/or translocation activities, the Designated Biologist shall provide to the CPM for review and approval, a written report identifying which items of the Plan have been completed, and a summary of all modifications to measures made during implementation of the Plan.	Biology	BIO-10	Complete			No tortoise were found during the surveys, so this was not necessary

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148	The project owner shall provide Energy Commission, CDFW, and USFWS and BLM staff with reasonable access to the project site and compensation lands under the control of the project owner and shall otherwise fully cooperate with the Energy Commission's and BLM's efforts to verify the project owner's compliance with, or the effectiveness of, mitigation measures set forth in the Conditions of Certification.	Biology	BIO-11	Ongoing			
149	1. Notification. Notify the CPM at least 14 calendar days before initiating site mobilization and construction activities; immediately notify the CPM in writing if the project owner is not in compliance with any conditions of certification, including but not limited to any actual or anticipated failure to implement mitigation measures within the time periods specified in the Conditions of Certification; 2. Monitoring During Grubbing and Grading. Remain onsite daily while vegetation salvage, grubbing, grading and other ground-disturbance construction activities are taking place to avoid or minimize take of listed species and verify personally or use Biological Monitors, to check for compliance with all impact avoidance and minimization measures, including checking all exclusion zones to ensure that signs, stakes, and fencing are intact and that human activities are restricted in these protective zones.	Biology		Ongoing			
150	3. Monthly Compliance Inspections. Conduct compliance inspections at a minimum of once per month after ground disturbance activities including clearing, grubbing, and grading are completed and submit a monthly compliance report to the BLM, CPM, USFWS and CDFW during construction.	Biology	BIO-11	Ongoing			
151	4. Notification of Injured, Dead, or Relocated Listed Species. If an injured or dead listed or special status species is detected within or near the Project Disturbance area, the CPM, the Ontario Office of CDFW, and Palm Springs Office of USFWS shall be notified immediately by phone and email, or as otherwise directed by the CPM or, in the case of avian species, controlling permits as issued by the USFWS. Notification shall occur no later than noon on the business day following the event if it occurs outside normal business hours so that the agencies can determine if further actions are required to protect listed species (within 8 hours in the case of desert kit fox). Written follow-up notification via FAX or electronic communication shall be submitted to these agencies within two calendar days of the incident and include the following information as relevant:	Biology	BIO-11	Ongoing			

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152	a. Injured Desert Tortoise. If a desert tortoise is injured as a result of project-related activities during construction, the Designated Biologist or approved Biological Monitor shall immediately take it to a CDFW- approved wildlife rehabilitation and/or veterinarian clinic. Any veterinarian bills for such injured animals shall be paid by the project owner. Following phone notification as required above, the CPM, CDFW, and USFWS shall determine the final disposition of the injured animal, if it recovers. Written notification shall include, at a minimum, the date, time, location, circumstances of the incident, and the name of the facility where the animal was taken. b. Desert Tortoise Fatality. If a desert tortoise is killed by project-related activities during construction or operation, submit a written report with the same information as an injury report to the CPM, BLM, the Ontario Office of CDFW, and the Palm Springs Office of USFWS. These desert tortoises shall be salvaged according to guidelines described in Salvaging Injured, Recently Dead, Ill, and Dying Wild, Free-Roaming Desert Tortoise (Berry 2001) or most recent guidelines approved by the CPM. The project owner shall pay to have the desert tortoises transported and necropsied. The report shall include the date and time of the finding or incident. c. Avian or bat injury or fatality. Notifications of injured or dead avian and bat species found onsite must include relevant scientific data such as GPS locations, photographs, observations and other reasonably available information.	Biology	BIO-11	Ongoing			
153	5. Final Listed Species Report. The Designated Biologist or project owner shall provide the CPM and BLM a Final Listed Species Mitigation Report that includes, at a minimum: 1) a copy of the table in the BRMIMP with notes showing when each of the mitigation measures was implemented; 2) all available information about Project-related incidental take of listed species; 3) information about other Project impacts on the listed species; 4) construction dates; 5) an assessment of the effectiveness of conditions of certification in minimizing and compensating for Project impacts; 6) recommendations on how mitigation measures might be changed to more effectively minimize and mitigate the impacts of future Projects on the listed species; and 7) any other pertinent information, including the level of take of the listed species associated with the Project	Biology	BIO-11	Ongoing			
154	6. Stop Work Order. The CPM may issue the project owner a written stop work order to suspend any activity related to the construction or operation of the project to prevent or remedy a violation of one or more Conditions of Certification (including but not limited to failure to comply with reporting, monitoring, or habitat acquisition obligations) or to prevent the illegal take of an endangered, threatened, or candidate species. The project owner shall comply with the stop work order immediately upon receipt thereof.	Biology		Ongoing			
155	No later than 2 days following the above required notification of a sighting, kill, or relocation of a listed species, the project owner shall deliver to the CPM, BLM, CDFW, and USFWS via FAX or electronic communication the written report from the Designated Biologist describing all reported incidents of injury, kill, or relocation of a listed species, identifying who was notified, and explaining when the incidents occurred. In the case of a sighting in an active construction area, the project owner shall, at the same time, submit a map (e.g., using Geographic Information Systems) depicting both the limits of construction and sighting location to the CPM, BLM, CDFW and USFWS.	Biology	BIO-11	Ongoing			

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156	No later than 45 days after initiation of project operation the Designated Biologist shall provide the CPM a Final Listed Species Mitigation Report.	Biology	BIO-11	Ongoing			
157	Beginning with the first month after clearing, grubbing, and grading are completed and continuing every month until construction is complete, the project owner shall submit a report describing their results of the Monthly Compliance Inspections to the CPM, BLM, USFWS, and CDFW.	Biology	BIO-11	Ongoing			
158	To fully mitigate for habitat loss and potential take of desert tortoise, the project owner shall provide compensatory mitigation at a 1:1 ratio for impacts to 3,975 acres, per BIO-28 – Table 1, adjusted to reflect the final project footprint. In lieu of acquiring lands itself, the project owner may satisfy the requirements of this Condition by depositing funds into the Renewable Energy Action Team (REAT) Account established with the National Fish and Wildlife Foundation (NFWF), as provided below in section 3.i. of this Condition.	Biology	BIO-12	Complete			
159	Within 90 days after completion of all project related ground disturbance, the project owner shall provide to the CPM, CDFW, BLM and USFWS an analysis, based on aerial photography, with the final accounting of the amount of habitat disturbed during project construction. This shall be the basis for the final number of acres required to be acquired.		BIO-12	Ongoing			
160	The project owner shall implement a Raven Monitoring, Management**,** and Control Plan (Raven Plan) that is consistent with the most current USFWS- approved raven management guidelines, and which meets the approval of the CMP, in consultation with BLM, USFWS and CDFW. The draft Raven Plan submitted by the project owner (AECOM 2010a, Attachment DR-BIO-49) shall provide the basis for the revised draft and final Raven Plan, subject to review, revisions and approval from BLM, the CPM, CDFW and USFWS.	Raven	BIO-13	Ongoing			to monitor raven presence in the project vicinity, determine if raven numbers are increasing, and to implement raven control measures as needed based on that monitoring. The purpose of the plan is to avoid any project-related increases in raven numbers during construction, operation, and decommissioning. In addition, the project owner shall also
161	USFWS Regional Raven Management Program. The project owner shall submit a per phase payment to the project sub-account of the REAT Account held by the National Fish and Wildlife Foundation (NFWF) to support the USFWS Regional Raven Management Program.	Raven	BIO-13	Complete			The one time fee shall be as described in the cost allocation methodology (Renewable Energy Development And Common Raven Predation on the Desert Tortoise – Summary, dated May 2010; Cost Allocation Methodology for Implementation of the Regional Raven Management Plan, dated July 9, 2010) or more current guidance as provided by USFWS or CDFW.
162	At least 45 days prior to any project-related ground disturbance activities, the project owner shall submit the revised draft Raven Plan to the CPM for review and approval and CDFW and USFWS for review and comment. No less than 10 days prior to the start of any project-related ground disturbance activities, including pre- construction site mobilization, the project owner shall provide the CPM, USFWS, and CDFW with the final version of a Raven Plan. The CPM would determine the plan's acceptability within 15 days of receipt of the final plan. All modifications to the approved Raven Plan shall be made only with approval of CPM in consultation with USFWS and CDFW.	Raven	BIO-13	Complete			

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163	Within 30 days after completion of project construction, the project owner shall provide to the CPM for review and approval, a written report identifying which items of the Raven Plan have been completed, a summary of all modifications to mitigation measures made during the project's construction phase, and which items are still outstanding.	Raven	BIO-13	Ongoing			
164	As part of the annual compliance report, each year following construction the Designated Biologist shall provide a report to the CPM that includes: a summary of the results of raven management and control activities for the year; a discussion of whether raven control and management goals for the year were met; and recommendations for raven management activities for the upcoming year.	Raven	BIO-13	Ongoing			
165	The project owner shall implement a Weed Management Plan (Plan) that meets the approval of the CPM. The objective of the Plan shall be to prevent the introduction of any new weeds and the spread of existing weeds as a result of project site mobilization, construction, operation, and closure.	Weed Management	BIO-14	Ongoing			The draft Weed Management Plan submitted by the previous owner (AECOM 2010a, Attachment DR-BIO-97) shall provide the basis for the final plan, subject to review and revisions from the CPM and the BLM.
166	No less than 10 days prior to start of any project-related ground disturbance activities including site mobilization and construction, the project owner shall provide the CPM with the final version of a Weed Management Plan that has been reviewed by BLM, and Energy Commission staff, USFWS, and CDFW and approved by CPM. Modifications to the approved Weed Control Plan shall be made only with approval from the CPM in consultation with BLM, USFWS, and CDFW.	Weed Management	BIO-14	Complete			
167	Within 30 days after completion of project construction, the project owner shall provide to the CPM for review and approval, a written report identifying which items of the Weed Management Plan have been completed, a summary of all modifications to mitigation measures made during the project's construction phase, and which items are still outstanding.	Weed Management	BIO-14	Ongoing			
168	As part of the annual compliance report, each year following construction the Designated Biologist shall provide a report to the CPM that includes: a summary of the results of noxious weeds surveys and management activities for the year; a discussion of whether weed management goals for the year were met; and recommendations for weed management activities for the upcoming year.	Weed Management	BIO-14	Ongoing			
169	The project owner shall prepare a Bird and Bat Conservation Strategy (BBCS) and submit it to the CPM for review and approval, in consultation with BLM, CDFW, and USFWS for review and comment.	Bird and Bat	BIO-15	Ongoing			
170	Prior to the start of construction, a draft BBCS shall be submitted to the CPM for review and comment in consultation with CDFW, BLM, and USFWS. A final BBCS shall be submitted to the CPM within 60 days of construction commencement. The project owner shall provide the CPM with copies of any written or electronic transmittal from the USFWS, BLM, or CDFW related to the BBCS within 30 days of receiving any such transmittal.	Bird and Bat	BIO-15	Ongoing			

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171	Reporting Protocol: Verification of Survey Results (including preconstruction bird and bat use, mortality monitoring, and golden eagle monitoring): All survey results and complete reports, including raw data, shall be submitted to the CPM after each survey season and in an annual summary report throughout the course of the study period, or as otherwise directed by the CPM. The results of onsite injury and mortality monitoring will be reported monthly or more frequently, if requested by the CPM. Post-construction monitoring studies included in the BBCS shall be for at least two years following commencement of commercial operation of each individual unit.	Bird and Bat	BIO-15	Ongoing			
172	The reports shall also assess any adaptive management measure implemented during the prior year as approved by the CPM. After the second year of the monitoring program, the CPM shall meet and confer with the TAC and shall use the criteria contained in the BBCS to determine if subsequent monitoring periods are warranted	Bird and Bat	BIO-15	Ongoing			
173	If a carcass or injured special status species is found at any time by the monitoring study or project operations staff, the project owner, Designated Biologist, or other qualified biologist that may be identified by the Designated Biologist shall contact the CPM, CDFW and USFWS by email, fax or other electronic means within one working day of any such detection. Verification of other injuries or mortalities shall be within 48 hours, or as otherwise directed by the CPM.	Bird and Bat	BIO-15	Ongoing			
174	Pre-construction nest surveys shall be conducted if site mobilization and construction, mowing, trimming, or any vegetation maintenance activities would occur from February 1 through July 31. The Designated Biologist or Biological Monitor conducting the surveys shall be experienced bird surveyors familiar with standard nest-locating techniques such as those described in Martin and Guepel (1993).	Bird and Bat	BIO-16	Ongoing			
175	3. During operations and maintenance prior to mowing and any other vegetation maintenance during the nesting season, (February 1 through July 31) a single survey shall be conducted within 7 days of construction or maintenance activity to determine whether birds are nesting in the vegetation on site;	Bird and Bat	BIO-16	Ongoing			If active nests or suspected active nests are detected during the survey (including mowing and vegetation maintenance surveys during operations), a buffer zone (protected area surrounding the nest, the size of which is to be determined by the Designated Biologist in consultation
176	At least 10 days after surveys are completed, the project owner shall provide the CPM a letter-report describing the findings of the pre-construction nest surveys, including the time, date, and duration of the survey; identity and qualifications of the surveyor (s); and a list of species observed. If active or suspected active nests are detected during the survey, the report shall include a map or aerial photo identifying the location of the nest or suspected nest location and shall depict the boundaries of the no-disturbance buffer zone around the nest(s) that would be avoided during project construction.	Bird and Bat	BIO-16	Ongoing			
177	Each year during construction as part of the annual compliance report a follow-up report shall be provided to the CPM, BLM, CDFW, and USFWS describing the success of the buffer zones in preventing disturbance to nesting activity and a brief description of the outcome of the nesting effort (for example, whether young were successfully fledged from the nest or if the nest failed).	Bird and Bat	BIO-16	Ongoing			

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178	The project owner shall contract a qualified biologist to conduct a baseline pre-construction desert kit fox and American badger survey and develop and implement an American Badger and Desert Kit Fox Mitigation and Monitoring Plan (Plan). The survey data will be used to revise the final Plan, as necessary, with the most recent species data from the project site.	Fox and Badger	BIO-17	Ongoing			
179	b. Reporting: The project owner shall provide a draft Summary Report of the Baseline American Badger and Desert Kit Fox Survey to the CPM and BLM for review in consultation with CDFW. The project owner and the project owner's Designated Biologist shall consult with the CPM and BLM on any changes to the final Plan that would result from the baseline pre-construction survey data provided in the Summary Report. The project owner shall not implement the American Badger and Desert Kit Fox Mitigation and Monitoring Plan (below) until receiving the CPM and BLM's written approval of the final Plan.	Fox and Badger	BIO-17	Complete			
180	iii. Active natal/pupping dens. If an active natal den (a den with pups) is detected on the site, the project owner shall proceed to implement the approved Plan and shall also notify the BLM, CPM, and CDFW within 24 hours. A 500- foot no-disturbance buffer shall be maintained around all active dens.	Fox and Badger	BIO-17	Ongoing			
181	c. Exception for American badger. In the event that passive relocation techniques fail for badgers, outside the denning season, or during the denning season if individual badgers can be verified to not have a litter, then live-trapping by a CDFW and CPM approved trapper is an option that may be employed to safely perform active removal as a last resort.	Fox and Badger	BIO-17	Ongoing			
182	Notify the CPM, BLM and CDFW if injured, sick, or dead American badger and desert kit fox are found. If an injured, sick, or dead animal is detected on any area associated with the solar project site or associated linear facilities, the CPM, BLM Palm Springs/ South Coast Field Office and the Ontario CDFW Office as well as the CDFW Wildlife Investigation Lab (WIL) shall be notified immediately by phone (8 hours in the case of a fatality). Written follow-up notification via FAX or electronic communication shall be submitted to the CPM, BLM and CDFW within 24 hours of the incident and shall include the following information as appropriate:	Fox and Badger	BIO-17	Ongoing			
183	5. Additional protection measures to be included in the Plan and implemented: a. All pipes within the project disturbance area outside the solar plant site, or inside the solar plant site if foxes are still on the site, must be fenced, capped and/or covered every evening or when not in use to prevent desert kit foxes or other animals from accessing the pipes and/or monitored. b. All project-related water sources shall be covered and secured when not in use to prevent drowning.	Fox and Badger	BIO-17	Ongoing			

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184	f. In order to reduce the likelihood of distemper transmission: i. No pets shall be allowed on the site prior to or during site mobilization and construction, operation, and non-operation and closure, with the possible exception of vaccinated kit fox scat detection dogs during preconstruction surveys, and then only with prior CPM and CDFW approval; ii. Any hazing activities that include the use of chemical or other repellents (e.g. ultrasonic noise makers, or non-animal-based chemical repellents) must be cleared through the CPM and CDFW prior to use. The use of animal tissue or excretion based repellents (e.g. coyote urine, anal gland products) is not permitted. iii. Any sick or diseased kit fox, or documented kit fox mortality shall be reported to the CPM, CDFW, and the BLM immediately upon identification (within 8 hours for mortality). If a dead kit fox is observed, it shall be collected and stored according to established protocols distributed by CDFW WIL, and the WIL shall be contacted to determine carcass suitability for necropsy.	Fox and Badger	BIO-17	Ongoing			
185	No fewer than 90 days prior to the start of any, site mobilization and construction the project owner shall provide the CPM, BLM, and CDFW with a draft American Badger and Desert Kit Fox Mitigation and Monitoring Plan for review and comment.	Fox and Badger	BIO-17	Complete			
186	Approximately 30 to 60 days prior to initiation of site mobilization and construction activities, not including perimeter/desert tortoise fencing, a qualified biologist with demonstrated mammal experience shall complete a baseline study of American badger and desert kit fox populations on the project site and the anticipated dispersal areas for passive relocation. Approximately 30 to 60 days prior to installation of perimeter/desert tortoise fencing, a pre-construction survey for kit foxes shall be conducted along the fenceline route.	Fox and Badger	BIO-17	Complete			
187	The project owner shall submit a summary report to the CPM, BLM and CDFW within 7 days of completion of any badger and kit fox surveys. The report shall describe survey methods and results of the surveys. The project owner and the Designated Biologist shall consult with the CPM and BLM upon submitting the summary report regarding any changes to the final Plan.	Fox and Badger	BIO-17	Complete			
188	No fewer than 15 days prior to start of any site mobilization and construction, the project owner shall provide an electronic copy of the CPM-approved final Plan to the CPM, BLM and CDFW and implement the Plan.	Fox and Badger	BIO-17	Complete			
189	No later than 24 hours following a phone notification of an injured, sick, or dead American badger or desert kit fox, the project owner shall provide to the CPM, BLM and CDFW, via FAX or electronic communication, a written report from the Designated Biologist describing the incident of sickness, injury, or death of an American badger or desert kit fox, when the incident occurred, and who else was notified.	Fox and Badger	BIO-17	Ongoing			
190	Beginning with the first month after start of construction and continuing every month until construction is completed, the Designated Biologist shall include a summary of events regarding the American badger and desert kit fox in each Monthly Compliance Reports (MCR). The impact avoidance and minimization measure(s) implemented and the results of implementation of those measures shall be reported in each MCR.	Fox and Badger	BIO-17	Ongoing			

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191	No later than 45 days after initiation of project operation, the Designated Biologist shall provide the CPM and BLM a final American Badger and Desert Kit Fox Mitigation and Monitoring Plan Report that includes: 1) a discussion of all mitigation measures that were and currently are being implemented; 2) all information about project-related kit fox and badger injuries and/or deaths; 3) all information regarding sick kit fox and badger found within the project site and along related linear facilities; and 4) recommendations on how mitigation measures might be changed to more effectively minimize and mitigate the impacts of future projects on the American badger and desert kit fox.	Fox and Badger	BIO-17	Ongoing			
192	Within 30 days of participation in the CDFW led fee based Monitoring and Mitigation Program during site mobilization and construction or operation the project owner will submit a revised Plan that includes the program information related to the project and confirmation that all fees are paid	Fox and Badger	BIO-17	Ongoing			
193	The project owner shall implement the following measures to avoid, minimize and offset impacts to burrowing owls: 1. Pre-Construction Surveys. The Designated Biologist or Biological Monitor shall conduct pre-construction surveys for burrowing owls no more than 30 days prior to initiation of site mobilization and construction activities in accordance with CDFW guidelines (CDFW 2012). Surveys shall be focused exclusively on detecting burrowing owls, and shall be conducted from two hours before sunset to 1 hour after or from 1 hour before to 2 hours after sunrise. The survey area shall include the Project Disturbance Area and surrounding 500 foot survey buffer for each phase of construction in accordance with BIO-28 (phasing).	Burrowing Owl	BIO-18	Complete			
194	2. Implement Burrowing Owl Mitigation Plan. The project owner shall implement measures described in the final Burrowing Owl Mitigation Plan. The final Burrowing Owl Mitigation Plan shall be approved by the CPM, in consultation with BLM, USFWS and CDFW	Burrowing Owl	BIO-18	Ongoing			
195	Implement Avoidance Measures. If an active burrowing owl burrow is detected within 500 feet from the Project Disturbance Area, avoidance and minimization measures shall be implemented:	Burrowing Owl	BIO-18	Ongoing			a. Establish Non-Disturbance Buffer. B.Signs shall be posted in English and Spanish at the fence line c.Monitoring: If construction activities would occur within 500 feet of the occupied burrow during the nesting season (February 1 – August 31st)
196	4. Acquire 39 Acres of Burrowing Owl Habitat.	Burrowing Owl	BIO-18	Ongoing			If the 39 acres of burrowing owl mitigation land is separate from the acreage required for desert tortoise compensation lands, the project owner or an approved third party shall complete acquisition of the proposed compensation lands within the time period specified for this acquisition (see the verification section at the end of this Condition).

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197	If pre-construction surveys detect burrowing owls within the Project Disturbance Area and relocation of the owls is required, within 30 days of completion of the burrowing owl pre-construction surveys the project owner shall submit to the CPM, BLM, CDFW, and USFWS a Burrowing Owl Mitigation Plan. The Burrowing Owl Mitigation Plan shall identify suitable areas for construction of burrows and the other passive relocation as described above. As part of the Annual Compliance Report each year following construction for a period of five years, the Designated Biologist shall provide a report to the CPM, BLM, USFWS and CDFW that describes the results of monitoring and management of the burrowing owl burrow creation or enhancement area(s).	Burrowing Owl	BIO-18	Ongoing			
198	If pre-construction surveys detect burrowing owls within 500 feet of proposed construction activities, at least 10 days prior to the start of any project-related site disturbance activities the Designated Biologist shall provide to the CPM, BLM, CDFW, and USFWS documentation indicating that non-disturbance buffer fencing has been installed as described above. The project owner shall report monthly to BLM, the CPM, CDFW and USFWS for the duration of construction on the implementation of burrowing owl avoidance and minimization measures.	Burrowing Owl	BIO-18	Ongoing			
199	The project owner shall report monthly to BLM, the CPM, CDFW and USFWS for the duration of construction on the implementation of burrowing owl avoidance and minimization measures.	Burrowing Owl	BIO-18	Ongoing			
200	Within 30 days after completion of construction the project owner shall provide to the CDFW and CPM a written report identifying how mitigation measures described in the plan have been completed.	Burrowing Owl	BIO-18	Ongoing			
201	No less than 30 days prior to the start of site mobilization and construction activities the project owner shall provide the CPM with an approved form of Security in accordance with this condition of certification. Actual Security for acquisition of 39 acres of burrowing owl habitat shall be provided no later than 7 days prior to the beginning of site mobilization and construction activities.	Burrowing Owl	BIO-18	Complete			
202	Designated Botanist. An experienced botanist who meets the qualifications described in Section B-2 below shall oversee compliance with all special-status plant avoidance, minimization, and compensation measures described in this Condition throughout construction and closure. The Designated Botanist shall oversee and train all other Biological Monitors tasked with conducting botanical survey and monitoring work. During operation of the project, the Designated Biologist shall be responsible for protecting special-status plant occurrences within 100 feet of the project boundaries.	Vegetation	BIO-19A	Ongoing			
203	Special-Status Plant Impact Avoidance and Minimization Measures. The project owner shall incorporate all measures for protecting special-status plants in close proximity to the site into the BRMIMP (BIO-7). These measures shall include the following elements: Site design modifications, establish environmentally sensitive areas (ESAs), Special-status plant worker environmental awareness program (WEAP), hebicide and soil stabilizer drift control measures, erosion and sediment control measures, erosiona nd sediment conrtol measures, avoid special-status plant occurrences and monitoring and reporting requirements.	Vegetation	BIO-19A	Ongoing			

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204	a. Site Design Modifications: Incorporate site design modifications to minimize impacts to special-status plants along the project linears: limiting the width of the work area; adjusting the location of staging areas, lay downs, spur roads and poles or towers; driving and crushing vegetation as an alternative to blading temporary roads to preserve the seed bank, and minor adjustments to the alignment of the roads and pipelines within the constraints of the ROW. Design the engineered channel discharge points to maintain the natural surface drainage patterns between the engineered channel and the outlet of the natural washes that flow toward the south and east, downstream of the project These modifications shall be clearly depicted on the grading and construction plans, and on report-sized maps in the BRMIMP.	Vegetation	BIO-19A	Ongoing			
205	b. Establish Environmentally Sensitive Areas (ESAs). Prior to the start of any ground- or vegetation-disturbing activities, the Designated Botanist shall establish ESAs to protect avoided special-status plants that occur outside of the Project Disturbance Areas and within 100 feet of Project Disturbance Areas. This includes plant occurrences identified during the spring 2009-2010 surveys and the late season 2010 surveys. The locations of ESAs shall be clearly depicted on construction drawings, which shall also include all avoidance and minimization measures on the margins of the construction plans. The boundaries of the ESAs shall be placed a minimum of 20 feet from the uphill side of the occurrence and 10 feet from the downhill side. Where this is not possible due to construction constraints, other protection measures, such as silt-fencing and sediment controls, may be employed to protect the occurrences. Equipment and vehicle maintenance areas, and wash areas, shall be located 100 feet from the uphill side of any ESAs. ESAs shall be clearly delineated in the field with temporary construction fencing and signs prohibiting movement of the fencing or sediment controls under penalty of work stoppages and additional compensatory mitigation. ESAs shall also be clearly identified (with signage or by mapping on site plans) to ensure that avoided plants are not inadvertently harmed during construction, operation, or closure.	Vegetation	BIO-19A	Ongoing			
206	c. Special-Status Plant Worker Environmental Awareness Program (WEAP). The WEAP (BIO-6) shall include training components specific to protection of special-status plants as outlined in this Condition. d. Herbicide and Soil Stabilizer Drift Control Measures. Special-status plant occurrences within 100 feet of the Project Disturbance Area shall be protected from herbicide and soil stabilizer drift. The Weed Control Program (BIO-14) shall include measures to avoid chemical drift or residual toxicity to special-status plants consistent with guidelines such as those provided by the Nature Conservancy's The Global Invasive Species Team11 , the U.S. Environmental Protection Agency, and the Pesticide Action Network Database12. e. Erosion and Sediment Control Measures. Erosion and sediment control measures shall not inadvertently impact special-status plants (e.g., by using invasive or non-native plants in seed mixes, introducing pest plants through contaminated seed or straw, etc.). These measures shall be incorporated in the Drainage, Erosion, and Sedimentation Control Plan required under SOIL&WATER-1.	Vegetation	BIO-19A	Ongoing			

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207	f. Avoid Special-Status Plant Occurrences. Areas for spoils, equipment, vehicles, and materials storage areas; parking; equipment and vehicle maintenance areas, and wash areas shall be placed at least 100 feet from any ESAs. g. Monitoring and Reporting Requirements. The Designated Botanist shall conduct weekly monitoring of the ESAs that protect special-status plant occurrences during construction and decommissioning activities.	Vegetation	BIO-19A	Ongoing			
208	The project owner shall conduct late-summer/fall botanical surveys for late- season special-status plants prior to start of construction or by the end of 2010, as described below: 1. Survey Timing. Surveys shall be timed to detect: a) summer annuals triggered to germinate by the warm, tropical summer storms (which may occur any time between June and October). Fall-blooming perennials that respond to the cooler, later season storms (typically beginning in September or October) shall only be required if blooms and seeds are necessary for identification or the species are summer-deciduous and require leaves for identification. The surveys shall not be timed to coincide with the statistical peak bloom period of the target species but shall instead be based on plant phenology and the timing of a significant storm event (i.e., a 10mm or greater rain or multiple storm events of sufficient volume to trigger germination, as measured at or within one mile of the project site). Surveys shall occur at the appropriate time to capture the characteristics necessary to identify the taxon.	Vegetation	BIO-19B	Complete			
209	2. Surveyor Qualifications and Training. Surveys shall be conducted by a qualified botanist knowledgeable in the complex biology of the local flora, and consistent with CDFW protocols (CDFW 2009). Each surveyor shall be equipped with a GPS unit and record a complete tracklog; these data shall be compiled and submitted along with the Summer-Fall Survey Botanical Report (described below). Prior to the start of surveys, all crew members shall, at a minimum, visit reference sites (where available) and/or review herbarium specimens of all BLM Sensitive plants, CNPS List 1B or 2 (Nature Serve rank S1 and S2) or proposed List 1B or 2 taxa, and any new reported or documented taxa, to obtain a search image. Because the potential for range extensions is unknown, the list of potentially occurring special-status plants shall include all special-status taxa known to occur within the Sonoran Desert region and the eastern portion of the Mojave in California. The list shall also include taxa with bloom seasons that begin in fall and extend into the early spring as many of these are reported to be easier to detect in fall, following the start of the fall rains.	Vegetation	BIO-19B	Ongoing			

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210	3. Survey Coverage. The survey coverage or intensity shall be in accordance with BLM Survey Protocols (issued July 2009)13, which specify that intuitive controlled surveys shall only be accomplished by botanists familiar with the habitats and species that may reasonably be expected to occur in the project area. 4. Documenting Occurrences. If a special-status plant is detected, the full extent of the population onsite shall be recorded using GPS in accordance with BLM survey protocols. Additionally, the extent of the population within one mile of project boundaries shall be assessed at least qualitatively to facilitate an accurate estimation of the proportion of the population affected by the project. For populations that are very dense or very large, the population size may be estimated by simple sampling techniques. When populations are very extensive or locally abundant, the surveyor must provide some basis for this assertion and roughly map the extent on a topographic map. All but the smallest populations (e.g., a population occupying less than 100 square feet) shall be recorded as area polygons; the smallest populations may be recorded as point features. All GPS- recorded occurrences shall include: the number of plants, phenology, observed threats (e.g., OHV or invasive exotics), and habitat or community type. The map of occurrences submitted with the final botanical report shall be prepared to ensure consistency with definition of an occurrence by CNDDB, i.e., occurrences found within 0.25 miles of another occurrence of the same taxon, and not separated by significant habitat discontinuities, shall be combined into a single 'occurrence'. The project owner shall also submit the raw GPS shape files and metadata, and completed CNDDB forms for each 'occurrence' (as defined by CNDDB).	Vegetation	BIO-19B	Ongoing			
211	5. Reporting. Raw GPS data, metadata, and CNDDB field forms shall be provided to the CPM within two weeks of the completion of each survey. If surveys are split into two or more periods (e.g., a late summer survey and a fall survey), then a summary letter shall be submitted following each survey period. The Final Summer-Fall Botanical Survey Report shall be prepared consistent with CDFW guidelines (CDFW 2009), and BLM 2009 guidelines	Vegetation	BIO-19B	Complete			For summer-fall Botanical Survey Report guidelines see BIO-19B

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212	The project owner shall apply the following avoidance standards to late blooming special-status plants that might be detected during late summer/fall season surveys. Avoidance and/or the mitigation measures described in Section D below would reduce impacts to these special-status plant species to less than significant levels. 1. Mitigation for CNDDB Rank 1 Plants (Critically Imperiled) - Avoidance Required: If late blooming species with a CNDDB rank of 1 are detected within the Project Disturbance Area the project owner shall prepare and implement a Special-Status Plant Mitigation Plan (Plan). The goal of the Plan shall be to retain at least 75 percent of the local population of the affected species. Compensatory mitigation, as described in Section D of this Condition, and at a mitigation ratio of 3:1, shall be required for the 25percent or portion that is not avoided.	Vegetation	BIO-19C	Ongoing			See BIO-19C for components and definitions.
213	2. Mitigation for CNDDB Rank 2 Plants (Imperiled) –Avoidance on Linears Required: If species with a CNDDB rank of 2 are detected within the Project Disturbance Area, the project owner shall prepare and implement a Special-Status Plant Mitigation Plan (Plan) that describes measures to achieve complete avoidance of occurrences on the project linears and construction laydown areas, unless such avoidance would create greater environmental impacts in other resource areas (e.g. Cultural Resource Sites) or other restrictions (e.g., FAA or other restrictions for placement of transmission poles). The project owner shall provide compensatory mitigation, at a ratio of 2:1, as described below in Section D for impacts to Rank 2 plants that could not be avoided. The content of the Plan and definitions shall be as described above in subsection C.1.	Vegetation	BIO-19C	Ongoing			
214	3. Mitigation for CNDDB Rank 3 Plants – No On-Site Avoidance Required Unless Local or Regional Significance: If species with a CNDDB rank of 3are detected within the Project Disturbance Area, no onsite avoidance or compensatory mitigation shall be required unless the occurrence has local or regional significance, in which case the plant occurrence shall be treated as a CNDDB rank 2 plant species. A plant occurrence would be considered to have local or regional significance if: a. It occurs at the outermost periphery of its range in California; b. It occurs in an atypical habitat, region, or elevation for the taxon that suggests that the occurrence may have genetic significance (e.g., that may increase its ability to survive future threats), or; c. It exhibits any unusual morphology that is not clearly attributable to environmental factors that may indicate a potential new variety or sub- species.	Vegetation	BIO-19C	Ongoing			
215	4. Pre-Construction Notification for State- or Federal-Listed Species, or BLM Sensitive Species. If a state or federal-listed species or BLM Sensitive species is detected, the project owner shall immediately notify the CDFW, USFWS, BLM, and the CPM.	Vegetation	BIO-19C	Ongoing			

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216	5. Preservation of the Germplasm of Affected Special-Status Plants. For all significant impacts to special-status plants, regardless of whether compensatory mitigation is required, mitigation shall include seed collection from the affected special-status plants on-site prior to construction to conserve the germplasm and provide a seed source for restoration efforts. The seed shall be collected under the supervision or guidance of a reputable seed storage facility such as the Rancho Santa Ana Botanical Garden Seed Conservation Program, San Diego Natural History Museum, or the Missouri Botanical Garden. The costs associated with the long-term storage of the seed shall be the responsibility of the project owner. Any efforts to propagate and reintroduce special-status plants from seeds in the wild shall be carried out under the direct supervision of specialists such as those listed above and as part of a Habitat Restoration/Enhancement Plan approved by the CPM.	Vegetation	BIO-19C	Ongoing			
217	Where compensatory mitigation is required under the terms of Section C, above, the project owner shall mitigate project impacts to special-status plant occurrences with compensatory mitigation. Compensatory mitigation shall consist of acquisition of habitat supporting the target species, or restoration/enhancement of populations of the target species, and shall meet the performance standards for mitigation described below.	Vegetation	BIO-19DI	Ongoing			Description can be found in BIO19DI.
218	In the event that no opportunities for acquisition or restoration/enhancement exist, the project owner can fund a species distribution study designed to promote the future preservation, protection or recovery of the species. Compensatory mitigation shall be at a ratio of 3:1 for Rank 1 plants, with three acres of habitat acquired or restored/enhanced for every acre of habitat occupied by the special status plant that will be disturbed by the Project Disturbance Area (for example if the area occupied by the special status plant collectively measured is one-fourth acre than the compensatory mitigation will be three-fourths of an acre). The mitigation ratio for Rank 2 plants shall be 2:1. So, for the example above, the mitigation ratio would be one-half acre for the Rank 2 plants.	Vegetation		Ongoing			
219	The project owner shall provide funding for the acquisition and/or restoration/enhancement, initial improvement, and long-term maintenance and management of the acquired or restored lands.	Vegetation	BIO-19DI	Ongoing			The actual costs to comply with this Condition will vary depending on the Project Disturbance Area, the actual costs of acquiring compensation habitat, the actual costs of initially improving the habitat, the actual costs of long-term management as determined by a Property Analysis Record (PAR) report, and other transactional costs related to the use of compensatory mitigation.
220	The Special-Status Plant Impact Avoidance and Minimization Measures shall be incorporated into the BRMIMP as required under Condition of Certification BIO-7.	Vegetation	BIO-19	Ongoing			

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221	Raw GPS data, metadata, and CNDDB field forms shall be submitted to the CPM within two weeks of the completion of each survey. A preliminary summary of results for the late summer/fall botanical surveys shall also be submitted to the CPM and BLM's State Botanist within two weeks following the completion of the surveys. If surveys are split into more than one period, then a summary letter shall be submitted following each survey period. The Final Summer-Fall Botanical Survey Report, GIS shape files and metadata shall be submitted to the BLM State Botanist and the CPM no less than 30 days prior to the start of ground-disturbing activities. The Final Report shall include a detailed accounting of the acreage of project impacts to special-status plant occurrences.	Vegetation	BIO-19	Complete			
222	The draft conceptual Special-Status Plant Mitigation Plan shall be submitted to the CPM for review and approval no less than 30 days prior to the start of ground-disturbing activities.	Vegetation	BIO-19	Complete			
223	The project owner shall immediately provide written notification to the CPM, CDFW, USFWS, and BLM if it detects a State- or Federal-Listed Species, or BLM Sensitive Species at any time during its late summer/fall botanical surveys or at any time thereafter through the life of the project, including conclusion of project decommissioning.	Vegetation	BIO-19	Ongoing			
224	No fewer than 30 days prior to the start of ground-disturbing activities the project owner shall submit grading plans and construction drawings to the CPM which depict the location of Environmentally Sensitive Areas and the Avoidance and Minimization Measures contained in Section A of this Condition.	Vegetation	BIO-19	Complete			No special status plants in construction area, so no ESA's established
225	If compensatory mitigation is required, no less than 30 days prior to the start of ground- disturbing activities, the project owner shall submit to the CPM the form of Security adequate to acquire compensatory mitigation lands and/or undertake habitat enhancement or restoration activities, as described in this Condition. Actual Security shall be provided seven days prior to start of ground-disturbing activities.	Vegetation	BIO-19	Ongoing			
226	Implementation of the special-status plant impact avoidance and minimization measures shall be reported in the Monthly Compliance Reports prepared by the Designated Botanist.	Vegetation	BIO-19	Ongoing			
227	To mitigate for habitat loss and direct impacts to Mojave fringe-toed lizards the project owner shall provide compensatory mitigation at a 3:1 ratio, which may include compensation lands purchased in fee or in easement in whole or in part, for impacts to stabilized or partially stabilized desert dune habitat (25.3 acres or the acreage of sand dune/partially stabilized sand dune habitat impacted by the final project footprint from the project interconnection to the Colorado River Substation). If compensation lands are acquired, the project owner shall provide funding for the acquisition in fee title or in easement, initial habitat improvements and long-term maintenance and management of the compensation lands	MFTL	BIO-20	Complete			
228	The project owner shall implement the following measures to avoid, minimize and mitigate for direct and indirect impacts to waters of the state and to satisfy requirements of California Fish and Game Code sections 1600 and 1607.	Water	BIO-22	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
229	1. Acquire Off-Site State Waters: The project owner shall acquire, in fee or in easement, a parcel or parcels of land that includes at least 412 acres of state jurisdictional waters, or the area of state waters directly or indirectly impacted by the final project footprint. The project footprint means all lands disturbed by construction and operation of the Blythe Project, including all linears. The parcel or parcels comprising the 412 acres of ephemeral washes shall include at least 66 acres of desert dry wash woodland or the acreage of desert dry wash woodland impacted by the final project footprint at a 3:1 ratio. The terms and conditions of this acquisition or easement shall be as described in Condition of Certification BIO-12 and the timing associated with BIO-28 (phasing). Mitigation for impacts to state waters shall be within the Chuckwalla Valley or Colorado River Hydrological Units (HUs), as close to the project site as practicable.	Water	BIO-22	Complete			
230	4. Code of Regulations: The project owner shall provide a copy of this Condition (Condition of Certification **BIO-22**) from the Energy Commission Decision to all contractors, subcontractors, and the project owner's project supervisors. Copies shall be readily available at work sites at all times during periods of active work and must be presented to any CDFW personnel upon demand. The CPM reserves the right to issue a stop work order or allow CDFW to issue a stop work order after giving notice to the project owner, the CPM, if the CPM in consultation with CDFW, determines that the project owner has breached any of the terms or Conditions or for other reasons, including but not limited to the following: a. The information provided by the project owner regarding streambed alteration is incomplete or inaccurate; b. New information becomes available that was not known to it in preparing the terms and Conditions; or c. The project or project activities as described in the Staff Assessment have changed.	Water	BIO-22	Ongoing			
231	5. Best Management Practices: The project owner shall also comply with the following Conditions to protect drainages near the Project Disturbance Area: a. The project owner shall minimize road building, construction activities and vegetation clearing within ephemeral drainages to the extent feasible. b. The project owner shall not allow water containing mud, silt, or other pollutants from grading, aggregate washing, or other activities to enter ephemeral drainages or be placed in locations that may be subjected to high storm flows. c. The project owner shall comply with all litter and pollution laws. All contractors, subcontractors, and employees shall also obey these laws, and it shall be the responsibility of the project owner to ensure compliance. d. Spoil sites shall not be located at least 30 feet from the boundaries and drainages or in locations that may be subjected to high storm flows, where spoils might be washed back into drainages.	Water	BIO-22	Ongoing			

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232	e. Raw cement/concrete or washings thereof, asphalt, paint or other coating material, oil or other petroleum products, or any other substances that could be hazardous to vegetation or wildlife resources, resulting from project-related activities, shall be prevented from contaminating the soil and/or entering waters of the state. These materials, placed within or where they may enter a drainage by the project owner or any party working under contract or with the permission of the project owner, shall be removed immediately. f. No broken concrete, debris, soil, silt, sand, bark, slash, sawdust, rubbish, cement or concrete or washings thereof, oil or petroleum products or other organic or earthen material from any construction or associated activity of whatever nature shall be allowed to enter into, or placed where it may be washed by rainfall or runoff into, waters of the state. g. When operations are completed, any excess materials or debris shall be removed from the work area. No rubbish shall be deposited within 150 feet of the high water mark of any drainage. h. No equipment maintenance shall occur within 150 feet of any ephemeral drainage where petroleum products or other pollutants from the equipment may enter these areas under any flow.	Water	BIO-22	Ongoing			
233	No less than 30 days prior to the start of construction-related ground disturbance activities potentially affecting waters of the state, the project owner shall provide written verification (i.e., through incorporation into the BRMIMP) to the CPM that the above best management practices will be implemented. The project owner shall also provide a discussion of work in waters of the state in Compliance Reports for the duration of the project.	Water	BIO-22	Complete			
234	No less than 30 days prior to beginning site mobilization and construction activities, the project owner shall provide the form of Security in accordance with this Condition of Certification. No later than seven days prior to beginning project site mobilization and construction activities, the project owner shall provide written verification of the actual Security. The project owner, or an approved third party, shall complete and provide written verification of the proposed compensation lands acquisition within 18 months of the start of project ground-disturbing activities.	Water	BIO-22	Complete			
235	Within 90 days after completion of project construction, the project owner shall provide to the CPM and CDFW an analysis with the final accounting of the amount of jurisdictional state waters disturbed during project construction.	Water	BIO-22	Ongoing			
236	The project owner shall notify the CPM and CDFW, in writing, at least five days prior to initiation of project activities in jurisdictional state waters and at least five days prior to completion of project activities in jurisdictional areas. The project owner shall notify the CPM and CDFW of any change of conditions to the project, impacts to state waters, or the mitigation efforts. The notifying report shall be provided to the CPM and CDFW no later than seven days after the change of conditions is identified. As used here, change of condition refers to the process, procedures, and methods of operation of a project; the biological and physical characteristics of a project area; or the laws or regulations pertinent to the project as defined below. A copy of the notifying change of conditions report shall be included in the annual reports or until it is deemed unnecessary by the CPM and CDFW.	Water	BIO-22	Ongoing			

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237	Upon project closure the project owner shall implement a final Decommissioning and Reclamation Plan. The Decommissioning and Reclamation Plan shall include a cost estimate for implementing the proposed decommissioning and reclamation activities, and shall be consistent with the guidelines in BLM's 43 CFR 3809.550 et seq.	Decommissioning	BIO-23	Ongoing			
238	No fewer than 30 days prior to the start of site mobilization and construction activities the project owner shall provide to the CPM (for review) and BLM's Authorized Officer (for review and approval) a draft Decommissioning and Reclamation Plan. The plan shall be finalized prior to the start of commercial operation and reviewed every five years thereafter and submitted to the CPM for review and to the BLM's Authorized Officer for approval. Modifications to the approved Decommissioning and Reclamation Plan shall be made only after approval from BLM's Authorized Officer. The project owner shall provide a copy of the approved Decommissioning and Reclamation Plan and any BLM approved revisions to the CPM.	Decommissioning	BIO-23	Complete			
239	The project owner shall implement the following measures to avoid or minimize project-related construction impacts to golden eagles. 1. Annual Inventory. For each calendar year during which construction will occur and for up to two years after commercial operation begins an inventory shall be conducted to determine if golden eagle territories occur within one mile of the project boundaries. Survey methods for the inventory shall be as described in the USFWS Land Based Wind Energy Guidelines (2011b) or more current guidance from the USFWS or CPM.	Bird and Bat	BIO-24	Ongoing			
240	3. Monitoring and Adaptive Management Plan: If an occupied nest is detected within one mile of the project boundaries, the project owner shall prepare and implement a Golden Eagle Monitoring and Management Plan for the duration of construction to ensure that project construction activities do not result in injury or disturbance to golden eagles.	Bird and Bat	BIO-24	Ongoing			
241	No fewer than 30 days from completion of the golden eagle inventory the project owner shall submit a report to the CPM, CDFW, and USFWS documenting the results of the inventory.	Bird and Bat	BIO-24	Ongoing			
242	If an occupied nest is detected within one mile of the project boundary during the inventory the project owner shall contact staff at the USFWS Palm Springs Office and CDFW within one working day of detection of the nest for interim guidance on monitoring and nest protection. The project owner shall provide the CPM, CDFW, and USFWS with the final version of the Golden Eagle Monitoring and Management Plan within 30 days after detection of the nest. This final Plan shall have been reviewed and approved by the CPM in consultation with USFWS and CDFW.	Bird and Bat	BIO-24	Ongoing			

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243	The project owner shall prepare and implement a Couch's Spadefoot Toad Protection and Mitigation Plan (Protection and Mitigation Plan) to avoid, minimize or mitigate impacts to Couch's spadefoot toads and their breeding habitat during construction and operation of the project. No less than 30 days prior to any project-related ground disturbance, the project owner shall submit to the CPM and CDFW, a final Protection and Mitigation Plan. The Protection and Mitigation Plan shall be approved by the CPM in consultation with CDFW, and shall be incorporated into the project's BRMIMP and implemented. It is expected that, as currently proposed, the project would impact three potential	CST	BIO-26	Complete			
244	The project owner may choose to satisfy its mitigation obligations by paying an in lieu fee instead of acquiring compensation lands, pursuant to Fish and Game code sections 2069 and 2099. Alternately, the CPM, in conjunction with the BLM, CDFW, and USFWS, may approve the project owner's use of another mitigation program or any other applicable in-lieu fee provision, provided that the Project's in-lieu fee proposal or mitigation program is found by the CPM to mitigate the impacts identified herein. If the in-lieu fee proposal or mitigation program is found by the CPM, in coordination with the BLM, CDFW, and USFWS to be in compliance, and the Project Owner chooses to satisfy its mitigation obligations through the in-lieu fee or mitigation program, the Project Owner shall provide proof of the in-lieu fee payment to the CPM prior to construction related ground disturbance.	Wildlife	BIO-27	Ongoing			
245	The project owner shall provide compensatory mitigation for the total Project Disturbance Area and may provide such mitigation in four phases as depicted in Figure 2-3 (Project Phasing) in Revised Petition for Amendment dated April 2013, "Project Disturbance Area" encompasses all areas to be temporarily and permanently disturbed by the project including all linear and ancillary facilities, as well as undeveloped areas inside the Project's boundaries that would no longer provide viable long-term habitat.	Wildlife	BIO-28	Ongoing			
246	The estimated disturbance area for each project Phase and resource type is provided in BIO-28 Table 1 below. This table shall be refined prior to the start of each construction phase with the disturbance area adjusted to reflect the final project footprint for each phase. Prior to initiating each phase of construction the project owner shall submit the actual construction schedule, a figure depicting the locations of proposed construction and amount of acres to be disturbed. Mitigation acres are calculated based on the compensation requirements for each resource type as described in the above Conditions of Certification – BIO-12 (Desert Tortoise), BIO-20 (Mojave Fringe-toed Lizard), BIO-18 (Western Burrowing Owl), and BIO-22 (State Waters). Compensatory mitigation for each phase shall be implemented according to the timing required by each condition.	Wildlife	BIO-28	Ongoing			Compensatory mitigation provided for Unit 1
247	The project owner shall not disturb any area outside of the area that has been approved for that phase of construction and for the previously approved phases of construction.	BIO	BIO-28	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
248	No less than 30 days prior to the start of desert tortoise clearance surveys for each phase, the project owner shall submit a description of the proposed construction activities for that phase to CDFW, USFWS and BLM for review and to the CPM for review and approval. The description for each phase shall include the proposed construction schedule, a figure depicting the locations of proposed construction and amount of acres of each habitat type to be disturbed.	DT	BIO-28	Ongoing			Complete for Unit 1 only
249	No less than 30 days prior to beginning Project ground-disturbing activities for each phase, the project owner shall provide the form of Security in accordance with this Condition of Certification in the amounts described in BIO-28 Table 1. No later than 7 days prior to beginning Project ground-disturbing activities for each phase, the project owner shall provide written verification of the actual Security. The project owner, or an approved third party, shall complete and provide written verification of the proposed compensation lands acquisition within 18 months of the start of project ground-disturbing activities for each phase.	DT	BIO-28	Complete			Complete
250	Prior to site mobilization, the project owner shall obtain the Compliance Project Manager (CPM) approval of the Drainage Erosion and Sedimentation Control Plan (DESCP) for managing stormwater during project construction and operations as normally administered by the County of Riverside.	Water	SOIL & WATER-1	Ongoing			See Soil & Water for required plan components
251	No later than 30 days prior to start of site mobilization, the project owner shall submit a copy of the final DESCP to the CPM for review and comment and to the County of Riverside and the CRBWQCB if required. The CPM shall consider comments if received by the county and CRBRWQCB before approval of the DESCP.	Water	SOIL & WATER-1	Complete			
252	The project owner shall provide in the monthly compliance report a narrative on the effectiveness of the drainage, erosion, and sediment-control measures and the results of monitoring and maintenance activities.	Water	SOIL & WATER-1	Ongoing			
253	Once operational, the project owner shall update and maintain the DESCP for the life of the project and shall provide in the annual compliance report information on the results of monitoring and maintenance activities.	Water	SOIL & WATER-1	Ongoing			
254	To mitigate the impact from project pumping, the project owner shall identify and implement offset measures to mitigate the increase in discharge from surface water to groundwater that affects recharge from the Palo Verde Valley Groundwater Basin (USGS) to the Palo Verde Mesa Groundwater Basin (USGS). The project owner shall implement SOIL&WATER-16 to evaluate the change in recharge over the life of the project including any latency effects from project pumping. The offset measures shall consider water conservation projects such as payment for irrigation improvements in Palo Verde Irrigation District, land fallowing, and/or BLM's Tamarisk Removal Program or other proposed mitigation activities acceptable to the CPM.	Water	SOIL & WATER-2	Ongoing			
255	The project owner shall submit a Water Supply Plan to the CPM for review and approval 30 days before the start of extraction of groundwater for construction or operation	Water	SOIL & WATER-2	Complete			Plan requirements listed in Soil & Water 2
256	The project owner shall implement the activities reviewed and approved in the Water Supply Plan in accordance with the agreed upon schedule in the Water Supply Plan. If agreement with the CPM on identification or implementation of offset activities cannot be achieved the project owner shall immediately halt construction or operation until the agreed upon activities can be identified and implemented.	Water	SOIL & WATER-2	Ongoing			

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257	The project owner proposes to construct and operate up to three (3) onsite groundwater supply wells that produce water from the Palo Verde Mesa Groundwater Basin (PVMGB). The project owner shall ensure that the wells are completed in accordance with all applicable state and local water well construction permits and requirements. **Prior to initiation of well construction activities, the project owner shall submit for review and comment a well construction packet to the County of Riverside and fees normally required for the county's well permit, with copies to the CPM no later than 60 days prior to construction. The project shall not construct a well or extract and use groundwater until an approval has been issued by the CPM to construct and operate the well. Wells permitted and installed as part of pre-construction field investigations that subsequently are planned for use as project water supply wells require CPM approval prior to their use to supply water to the project.**	Water	SOIL & WATER-3	Complete			
258	Post-Well Installation. The project owner shall provide documentation as required under County permit conditions to the CPM that the well has been properly completed no later than 60 days after installation. In accordance with California's Water Code section 13754, the driller of the well shall submit to the DWR a Well Completion Report for each well installed.	Water	SOIL & WATER-3	Complete			
259	The project owner shall ensure compliance with all county water well standards and County requirements for the life of the wells and shall provide the CPM with two copies each of all monitoring or other reports required for compliance with the County of Riverside water well standards and operation requirements, as well as any changes made to the operation of the well	Water	SOIL & WATER-2	Complete			
260	No later than 30 days prior to the construction of the onsite groundwater production wells, the project owner shall submit a copy of written concurrence received from the County of Riverside that the proposed well construction activities comply with all county well requirements and meet the requirements established by the county's water well permit program. The CPM shall provide approval to the project owner of the well location and operation within 10 days of receipt of the County of Riverside's concurrence with the proposed well construction activities.	Water	SOIL & WATER-3	Complete			
261	The proposed project's use of groundwater during construction shall not exceed 1,200 af during the 48 months of construction and an annual average of 40 afy during operation.	Water	SOIL & WATER-4	Ongoing			
262	Prior to the use of groundwater for construction, the project owner shall install and maintain metering devices as part of the water supply and distribution system to document project water use and to monitor and record, in gallons per day, the total volume(s) of water supplied to the project from this water source. The metering devices shall be operational for the life of the project.	Water	SOIL & WATER-4	Complete			
263	At least 10 days prior to the start of groundwater pumping for construction of the proposed project, the project owner shall submit to the CPM a copy of evidence that metering devices have been installed and are operational.	Water	SOIL & WATER-4	Complete			
264	Beginning six months after the start of construction, the project owner shall prepare a semi-annual summary of amount of water used for construction purposes. The summary shall include the monthly range and monthly average of daily water usage in gallons per day.	Water	SOIL & WATER-4	Ongoing			
265	The project owner shall prepare an annual summary, which shall include daily usage, monthly range and monthly average of daily water usage in gallons per day, and total water used on a monthly and annual basis in acre-feet. For years subsequent to the initial year of operation, the annual summary shall also include the yearly range and yearly average water use by source. For calculating the total water use, the term "year" will correspond to the date established for the annual compliance report submittal.	Water	SOIL & WATER-4	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
266	The project owner shall submit a Groundwater Level Monitoring, Mitigation, and Reporting Plan to the CPM for review and approval 30 days in advance of using onsite wells to supply groundwater for construction activities.	Water	SOIL & WATER-5	Complete			
267	A well reconnaissance shall be conducted to investigate and document the condition of existing water supply wells as established by the groundwater model and Condition A.2 below, provided that access is granted by the well owners. The reconnaissance shall include sending notices by registered mail to all property owners for wells identified under Condition A.2 below.	Water	SOIL & WATER-5A	Complete			
268	The monitoring network for offsite wells shall be defined by the groundwater model developed for the AFC, using the lower transmissivity value derived from aquifer testing on the site, so as to provide a conservative estimate of the potential impact, and to identify the area predicted to show a water level change of one feet or more at the end of construction and at the end of operation.	Water	SOIL & WATER-5A	Complete			
269	Monitor to establish preconstruction conditions. A site reconnaissance will be performed to identify wells that could be accessible for monitoring. As access to these wells is available, historic water level, water quality, well construction and well performance information shall be obtained for both pumping and non-pumping conditions.	Water	SOIL & WATER-5A	Complete			
270	As access allows, in advance of using onsite wells to supply groundwater for construction activities, groundwater levels will be measured from the off-site and on-site wells within the network and background wells to provide initial groundwater levels for pre-project trend analysis. The installation and monitoring of water levels using pressure transducers shall be done in selected wells to provide an assessment of seasonal trends.	Water	SOIL & WATER-5A	Complete			
271	Construct water level maps within the PVMGB within the area encompassed by all monitoring wells in A.1, 2, 3 and 4 above prior to construction. As data is available, the Project owner shall prepare trend plots, perform statistical analyses using the Mann-Kendall test (or other CEC-approved statistical analysis method) for trend to assess pre-project water level trends.	Water	SOIL & WATER-5A	Complete			
272	Collect water levels on a quarterly basis throughout the construction period and at the end of the construction period. Perform statistical trend analysis for water levels using the Mann-Kendall test (or other CEC-approved statistical analysis method). Assess the significance of an apparent trend and estimate the magnitude of that trend.	Water	SOIL & WATER-5B	Ongoing			
273	On a quarterly basis for the first year of operation and semi-annually thereafter for the following four years, collect water level measurements from any wells identified in the groundwater monitoring program to evaluate operational influence from the project. Quarterly operational parameters (i.e., pumping rate) of the water supply wells shall be monitored as access allows for those wells within the monitoring network. Wells outside the network and their influence on pumping within the network shall be evaluated on a quarterly basis to understand well interference from sources of pumping outside the Project area.	Water	SOIL & WATER-5C	Ongoing			
274	On an annual basis, perform statistical trend analysis for water levels data and comparison to predicted water level declines due to project pumping. Based on the results of the statistical trend analyses and comparison to predicted water level declines due to project pumping, the project owner shall determine the area where the project pumping has induced a drawdown in the water supply at a level of five feet or more below the baseline trend.	Water	SOIL & WATER-5C	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
275	If water levels have been lowered more than five feet below pre-site operational trends, and monitoring data provided by the project owner show these water level changes are different from background trends or other groundwater pumping and are caused by project pumping, then the project owner shall provide mitigation to the impacted well owner(s). If groundwater monitoring data indicate project pumping has lowered water levels below the top of the well screen, and the well yield is shown to have decreased by 10 percent or more of the pre-project average seasonal yield, compensation shall be provided for the diagnosis and maintenance to treat and remove encrustation from the well screen If project pumping has lowered water levels to significantly impact well yield so that it can no longer meet its intended purpose, causes the well to go dry, or cause casing collapse, payment or reimbursement of an amount equal to the cost of deepening or replacing the well shall be provided to accommodate these effects. Payment or reimbursement shall be at an amount equal to the customary local cost of deepening the existing well or constructing a new well of comparable design and yield (only deeper).	Water	SOIL & WATER-5C	Ongoing			
276	The project owner shall notify any owners of the impacted wells within one month of the CPM approval of the compensation analysis for increased energy costs.	Water	SOIL & WATER-5C	Ongoing			
277	If mitigation includes monetary compensation, the project owner shall provide documentation to the CPM that compensation payments have been made by March 31 of each year of project operation. Within 30 days after compensation is paid, the project owner shall submit to the CPM a compliance report describing compensation for increased energy costs necessary to comply with the provisions of this Condition	Water	SOIL & WATER-5C	Ongoing			
278	During the life of the project, the project owner shall provide to the CPM all monitoring reports, complaints, studies and other relevant data within 10 days of being received by the project owner.	Water	SOIL & WATER-5C	Ongoing			
279	At least 15 days in advance of using onsite wells to supply groundwater for project construction activities, the project owner shall submit to the CPM, a comprehensive report presenting all the data and information required in item A above. The CPM will provide comments to the plan following submittal. CPM approval of the plan is required prior to operation of the site groundwater supply wells. The project owner shall also submit to the CPM all calculations and assumptions made in development of the report data and interpretations.	Water	SOIL & WATER-5	Complete			
280	During project construction, the project owner shall submit to the CPM quarterly reports presenting all the data and information required in item B above. The quarterly reports shall be provided 30 days following the end of the quarter. The project owner shall also submit to the CPM all calculations and assumptions made in development of the report data and interpretations.	Water	SOIL & WATER-5	Ongoing			
281	No later than March 31 of each year of construction or 60 days prior to project operation, the project owner shall provide to the CPM for review and approval, documentation showing that any mitigation to private well owners during project construction was satisfied, based on the requirements of the property owner as determined by the CPM.	Water	SOIL & WATER-5	Ongoing			
282	During project operation, the project owner shall submit to the CPM, applicable quarterly, semi-annual and annual reports presenting all the data and information required in item C above. Quarterly reports shall be submitted to the CPM 30 days following the end of the quarter. The fourth quarter report shall serve as the annual report and will be provided on January 31 in the following year.	Water	SOIL & WATER-5	Ongoing			
283	The project owner shall submit to the CPM all calculations and assumptions made in development of report data and interpretations, calculations, and assumptions used in development of any reports.	Water	SOIL & WATER-5	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
284	After the first five year operational and monitoring period, the project owner shall submit a five-year monitoring report to the CPM that includes all monitoring data collected and a summary of the findings. The CPM will determine if the water level measurements and water quality sampling frequencies should be revised or eliminated.	Water	SOIL & WATER-5	Ongoing			
285	The project owner shall submit to the CPM for review and approval, no later than 30 days after aproval of drawdown analysis, the documentation showing which well owners must be compensated for increased energy costs and that the proposed amount is sufficient compensation to comply with the provisions of this Condition.	Water	SOIL & WATER-6	Ongoing			
286	Compensation provided on an annual basis shall be calculated prospectively for each year by estimating energy costs that will be incurred to provide the additional lift required as a result of the project. With the permission of the impacted well owner, the project owner shall provide energy meters for each well or well field affected by the project. The impacted well owner to receive compensation must provide documentation of energy consumption in the form of meter readings or other verification of fuel consumption. For each year after the first year of operation, the project owner shall include an adjustment for any deviations between projected and actual energy costs for the previous calendar year.	Water	SOIL & WATER-6	Ongoing			
287	The project owner shall submit to the CPM all calculations, along with any letters signed by the well owners indicating agreement with the calculations, and the name and phone numbers of those well owners that do not agree with the calculations. Compensation payments shall be made by March 31 of each year of project operation. Within 30 days after compensation is paid, the project owner shall submit to the CPM a compliance report describing compensation for increased energy costs necessary to comply with the provisions of this Condition.	Water	SOIL & WATER-6	Ongoing			
288	The project owner shall comply with the requirements specified in Appendices B, C, and D. These requirements relate to discharges, or potential discharges, of waste that could affect the quality of waters of the state, and were developed in consultation with staff of the State Water Resources Control Board and/or the applicable California Regional Water Quality Control Board (hereafter "Water Boards"). It is the Commission's intent that these requirements be enforceable by both the Commission and the Water Boards. In furtherance of that objective, the Commission hereby delegates the enforcement of these requirements, and associated monitoring, inspection and annual fee collection authority, to the Water Boards. Accordingly, the Commission and the Water Board shall confer with each other and coordinate, as needed, in the enforcement of the requirements. The project owner shall pay the annual waste discharge permit fee associated with this facility to the Water Boards. In addition, the Water Boards may "prescribe" these requirements as waste discharge requirements pursuant to Water Code Section 13263 solely for the purposes of enforcement, monitoring, inspection, and the assessment of annual fees, consistent with Public Resources Code Section 25531, subdivision (c)	Water	SOIL & WATER-7	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
289	No later than 60 days prior to any wastewater or storm water discharge, the project owner shall provide documentation to the CPM, with copies to the CRBRWQCB, demonstrating compliance with the WDRs established in Appendices B, C, and D. Any changes to the design, construction, or operation of the evaporation basins or storm water system shall be requested in writing to the CPM, with copies to the CRBRWQCB, and approved by the CPM, in consultation with the CRBRWQCB, prior to initiation of any changes. The project owner shall provide to the CPM, with copies to the CRBRWQCB, all monitoring reports required by the WDRs, and fully explain any violations, exceedances, enforcement actions, or corrective actions related to construction or operation of the evaporation basins, or storm water system.	Water	SOIL & WATER-7	Ongoing			
290	The project owner shall comply with the requirements of the County of Riverside Ordinance Code Title 8, Chapter 8.124 and the California Plumbing Code (California Code of Regulations Title 24, Part 5) regarding sanitary waste disposal facilities such as septic systems and leach fields. The septic system and leach fields shall be designed, operated, and maintained in a manner that ensures no deleterious impact to groundwater or surface water. Compliance shall include an engineering report on the septic system and leach field design, operation, maintenance, and loading impact to groundwater. If it is determined based on the engineering report that groundwater may be impacted, the project owner shall include a groundwater quality monitoring program. This program can utilize monitoring wells (if appropriate) used as part of groundwater monitoring in Condition of Certification SOIL&WATER-7. The engineering report will specify the proposed groundwater monitoring program (if required), constituents of concern, monitoring frequency and other elements as needed as part of any groundwater monitoring program.	Water	SOIL & WATER-8	Ongoing			
291	The project owner shall submit all necessary information and the appropriate fee to the County of Riverside and the CRBRWQCB to ensure that the project has complied with county and state sanitary waste disposal facilities requirements. Written assessments prepared by the County of Riverside and the CRBRWQCB regarding the project's compliance with these requirements must be submitted to the CPM for review and approval 30 days prior to the start of power plant operation.	Water	SOIL & WATER-8	Ongoing			
292	The project is subject to the requirement of Water Code Sections 4999 et. seq. for reporting of groundwater production in excess of 25 acre feet per year.	Water	SOIL & WATER-9	Ongoing			
293	The project owner shall file an annual "Notice of Extraction and Diversion of Water" with the SWRCB in accordance with Water Code Sections 4999 et. seq. The project Owner shall include a copy of the filing in the annual compliance report.	Water	SOIL & WATER-9	Ongoing			
294	The project owner will prepare both a Provisional Closure Plan and a Final Closure Plan that will meet the requirements of the BLM. One (1) year after initiating commercial operation, the project owner must submit a Provisional Closure Plan and cost estimate for permanent closure to the CPM for review	Water	SOIL & WATER-10	Ongoing			
295	Three (3) years prior to closing, the owner must submit a Final Closure Plan to the CPM for review and approval. The project owner shall amend these documents as necessary, with approval from the CPM, should the facility closure scenario change in the future.	Water	SOIL & WATER-10	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
296	The project owner shall submit a Revised Project Drainage Report with the 30 percent Grading and Drainage Plans to the CPM for their review and comments sixty (60) days before project mobilization. The project owner will address comments provided by the CPM until approval of the report is issued. All comments and concepts presented in the approved Revised Project Drainage Report with the 30 percent Grading and Drainage Plans will be included in the final Grading and Drainage Plans. The Revised Project Drainage Report and 30 percent Grading and Drainage Plans shall be approved by the CPM.	Water	SOIL & WATER-11	Ongoing	3/16/2015		
297	The project owner shall provide a detailed hydraulic analysis utilizing FLO-2D which models pre- and post-development flood conditions for the 10, 25 and 100-year storm events. The methods and results of the analysis shall be fully documented in a Technical Memorandum or in the revised Project Drainage Report. Graphical output must include depth and velocity mapping as well as mapping which graphically shows the changes in both of these parameters between the pre- and post development conditions. Color shading schemes used for the mapping must be consistent between all maps as well as clear and easily differentiated between designated intervals for hydraulic parameters. Intervals to be used in the mapping are as follows: • Flow Depth: at 0.20 ft intervals up to 1 ft, and 0.40 ft intervals thereafter. • Velocity: 0.5 ft/s intervals Digital input and output files associated with the FLO-2D analysis must be included with all submittals. The results of this analysis will be used for design of the 30 percent project grading and drainage plans.	Water	SOIL & WATER-12	Ongoing			
298	The project owner shall submit a detailed FLO-2D analysis to the CPM for review and comments with the 30 percent plan Grading and Drainage Plans and revised Project Drainage Report required in SOIL&WATER-11. The project owner will address comments provided by the CPM until approval of the analysis is issued.	Water	SOIL & WATER-12	Ongoing			
299	To further assess the impacts from project pumping, the project owner shall estimate the increase in discharge from surface water to groundwater that affects recharge from the Palo Verde Valley Groundwater Basin (USGS) to the Palo Verde Mesa Groundwater Basin (USGS). This estimate may be used for determining the appropriate offset volume in accordance with SOIL&WATER-2. The project owner shall do the following to provide an estimate for review and approval by the CPM:	Water	SOIL & WATER-16	Ongoing			
300	The project owner shall conduct a detailed analysis of the contribution of surface water to the PVMGB from the project's groundwater extraction activities at the end of the 30 year operational period.	Water	SOIL & WATER-16	Ongoing			Analysis requirements in Soil & Water 16
301	The project owner shall present the results of the conceptual model, numerical model, transient runs and sensitivity analysis in a report for review and approval by the CPM. The report shall include all pertinent information regarding the development of the numerical models.	Water	SOIL & WATER-16	Ongoing			
302	At least 90 days prior to initiation of groundwater pumping for grading activities, the project owner shall submit to the CPM for their review and approval a report detailing the results of the modeling effort. The report shall include the estimated amount of subsurface water flowing from the surface water due to project pumping. This estimate shall be used for determining the appropriate volume of water for mitigation in accordance with SOIL&WATER-2.	Water	SOIL & WATER-16	Complete	Aug-14		Report requirements in Soil & Water 16
303	The project owner shall reduce impacts caused by large storms by ensuring solar panels, drainage washes that will have solar panels, and perimeter fencing are designed to accommodate the 100-year storm event, establishing ongoing maintenance and inspection of storm water controls, and implementing a response plan to clean up damage and address ongoing issues.	Water	SOIL & WATER 19	Ongoing			

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304	The project owner shall ensure that the solar panels, drainage washes that will have solar panels are designed and installed to accommodate storm water scour that may occur as a result of a 100-year, 24-hour storm event. The analysis of the storm event and resulting pylon stability shall be provided within a Pylon Insertion Depth and Solar Panel Stability Report to be completed by the project owner. This analysis shall incorporate results from site-specific geotechnical stability testing, as well as hydrologic and hydraulic storm water modeling performed by the project owner. The modeling shall be completed using methodology and assumptions approved by the CPM.	Water	SOIL & WATER 19	Ongoing			
305	The project owner shall also develop a Storm Water Damage Monitoring and Response Plan to evaluate potential impacts from storm water, including damage to drainage washes, perimeter fencing, and solar panel supports that fail due to storm water flow or otherwise break and scatter panel debris or other potential pollutants on to the ground surface.	Water	SOIL & WATER 19	Ongoing			
306	The basis for determination of pylon embedment depths shall employ a step-by- step process as identified in Soil & Water 19 A. Determination of peak storm water flow within each sub-watershed from a 100-year event: B. Determination of potential total pylon scour depth C. The results of the scour depth calculations and pylon stability testing must be used to determine the minimum necessary pylon embedment depth within the active channels. In the inactive portions of the alluvial fans that are not subject to channel erosion and local scour, the minimum pylon embedment depths must be based on the results of the pylon stability testing.	Water	SOIL & WATER 19	Ongoing			
307	D. The results of the calculated peak storm water flows and channel erosion and pylon scour analysis together with the recommended pylon installation depths shall be submitted to the CPM for review and approval sixty (60) days prior to the start of solar panel installation.	Water	SOIL & WATER 19	Ongoing			
308	The Storm Water Damage Monitoring and Response Plan (SWDMRP) shall be submitted to the CPM for review and approval at least 60 days prior to commercial operation and shall include all items listed in Soil & Water 19	Water	SOIL & WATER 19	Ongoing			
309	Inspection, short-term incident response, and long-term design based response may include activities both inside and outside of the project boundaries. For activities outside of the project boundaries the owner shall ensure all appropriate environmental review and approval has been completed before field activities begin.	Water	SOIL & WATER 19	Ongoing			
310	At least sixty (60) days prior to installation of the first pylon, the project owner shall submit to the CPM a copy of the Pylon Insertion Depth and Solar Panel Stability Report for review and approval prior to construction.	Water	SOIL & WATER 19	Ongoing			

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311	The project owner shall retain a copy of SWDMRP plan onsite at all times. The project owner shall prepare an annual summary of the number of solar panels that fail due to damage, cause and extent of the damage, and cleanup and mitigation performed for each damaged solar panels. The annual summary shall also report on the effectiveness of the modified drainage washes against storms, including information on the damage and repair work or associated erosion control elements. The project owner shall submit proposed changes or revisions to the Storm Water Damage Monitoring and Response Plan to the CPM for review and approval.	Water	SOIL & WATER 19	Ongoing			
312	The project owner shall contribute to a special fund set up by the Energy Commission and/or BLM to finance the completion of the PTNCL Documentation and Possible NRHP Nomination program presented in the Blythe Solar Power Plant (BSPP) Revised Staff Assessment RSA). The amount of the contribution shall be $35 per acre that the project encloses or otherwise disturbs.	CUL	**CUL-1**	Ongoing			
313	If a project is not certified, or if a project owner does not build the project, or, if for some other reason deemed acceptable by the CPM, a project owner does not participate in funding the PTNCL documentation and possible NRHP nomination program, the other project owner(s) may consult with the CPM to adjust the scale of the PTNCL documentation and possible NRHP nomination program research activities to match available funding. A project owner that funds the PTNCL documentation and possible NRHP nomination program, and then withdraws, will be able to reclaim their monetary contribution, to be refunded on a prorated basis.	CUL	**CUL-1**	Ongoing			
314	No later than 10 days after receiving notice of the successful transfer of funds for any installment to the Energy Commission's and/or BLM's special PTNCL fund, the project owner shall submit a copy of the notice to the Energy Commission's Compliance Project Manager (CPM).	CUL	**CUL-1**	Complete			
315	The project owner shall contribute to a special fund set up by the Energy Commission and/or BLM to finance the completion of the Documentation and Possible NRHP Nomination program presented in the BSPP RSA. The amount of the contribution shall be $25 per acre that the project encloses or otherwise disturbs.	CUL	**CUL-2**	Complete			
316	If a project is not certified, or if a project owner does not build the project, or, if for some other reason deemed acceptable by the CPM, a project owner does not participate in funding the DTCCL documentation and possible NRHP nomination program, the other project owner(s) may consult with the CPM to adjust the scale of the DTCCL documentation and possible NRHP nomination program research activities to match available funding. A project owner that funds the DTCCL documentation and possible NRHP nomination program, and then withdraws, will be able to reclaim their monetary contribution, to be refunded on a prorated basis.	CUL	**CUL-2**	Ongoing			
317	No later than 10 days after receiving notice of the successful transfer of funds for any installment to the Energy Commission's and/or BLM's special DTCCL fund, the project owner shall submit a copy of the notice to the CPM.	CUL	**CUL-2**	Complete			
318	Prior to the start of ground disturbance (includes "preconstruction site mobilization", "ground disturbance," and "construction grading, boring, and trenching," as defined in the General Conditions for this project), the project owner shall obtain the services of a Cultural Resources Specialist (CRS), one or more alternate CRSs, if alternates are needed, and the two technical specialists identified below in this Condition.	CUL	**CUL-3**	Complete			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
319	The CRS shall manage all cultural resources mitigation, monitoring, curation, and reporting activities in accordance with the Conditions of Certification (Conditions). The CRS may obtain the services of field crew members and cultural resources monitors (CRMs), if needed, to assist in mitigation, monitoring, and curation activities. No ground disturbance shall occur prior to CPM approval of the CRS and alternates, unless such activities are specifically approved by the CPM. Approval of a CRS may be denied or revoked for reasons including but not limited to noncompliance on this or other Energy Commission projects.	CUL	**CUL-3**	Ongoing			
320	The resumes for the CRS and alternate(s) shall include information demonstrating to the satisfaction of the CPM that their training and backgrounds conform to the U.S. Secretary of Interior's Professional Qualifications Standards, as published in Title 36, Code of Federal Regulations, part 61.	CUL	**CUL-3**	Ongoing			
321	The project owner shall ensure that the CRS obtains the services of a qualified project prehistoric archaeologist (PPA) to conduct the research specified in CUL-6 and CUL-7.	CUL	**CUL-3**	Ongoing			
322	The project owner shall ensure that the CRS obtains the services of a qualified project historical archaeologist (PHA) to conduct the research specified in CUL-8 through CUL-11.	CUL	**CUL-3**	Ongoing			
323	The resumes of the CRS, alternate CRS, the PPA, and the PHA shall include the names and telephone numbers of contacts familiar with the work of these persons on projects referenced in the resumes and demonstrate to the satisfaction of the CPM that these persons have the appropriate training and experience to undertake the required research. The project owner may name and hire the CRS, alternate CRS, the PPA, and the PHA prior to certification.	CUL	**CUL-3**	Ongoing			
324	The project owner shall ensure that the CRS obtains the services of a specialist backhoe operator to conduct the activities specified in CUL-6, if needed. This backhoe operator shall have a resume that demonstrates previous experience using a backhoe in coordination with an archaeologist. In addition, the operator shall use a machine with a "stripping bucket" that is sensitive enough to remove even and consistent layers of sediment 5 centimeters thick.	CUL	**CUL-3**	Ongoing			
325	CRMs and field crew members shall have the following qualifications: 1. A B.S. or B.A. degree in anthropology, archaeology, historical archaeology, or a related field, and one year experience monitoring in California; or 2. An A.S. or A.A. degree in anthropology, archaeology, historical archaeology, or a related field, and four years experience monitoring in California; or 3. Enrollment in upper division classes pursuing a degree in the fields of anthropology, archaeology, historical archaeology, or a related field, and two years of monitoring experience in California.	CUL	**CUL-3**	Ongoing			
326	Preferably at least 120 days, but in any event no less than 75 days prior to the start of ground disturbance, the project owner shall submit the resumes for the CRS, the alternate CRS(s) if desired, the PPA, and the PHA to the CPM for review and approval.	CUL	**CUL-3**	Complete			
327	At least 65 days prior to the start of data recovery on known archaeological sites, the project owner shall confirm in writing to the CPM that the approved CRS, the PPA, and the PHA will be available for on-site work and are prepared to implement the cultural resources Conditions **CUL-6** through **CUL-11**.	CUL	**CUL-3**	Complete			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
328	At least 10 days prior to a termination or release of the CRS, or within 10 days after the resignation of a CRS, the project owner shall submit the resume of the proposed new CRS to the CPM for review and approval. At the same time, the project owner shall also provide to the proposed new CRS the AFC and all cultural resources documents, field notes, photographs, and other cultural resources materials generated by the project. If no alternate CRS is available to assume the duties of the CRS, a monitor may serve in place of a CRS so that ground disturbance may continue up to a maximum of three days without a CRS. If cultural resources are discovered then ground disturbance will remain halted until there is a CRS or alternate CRS to make a recommendation regarding significance.	CUL	CUL-3	Ongoing			
329	At least 20 days prior to data recovery on known archaeological sites, the CRS shall provide a letter naming anticipated field crew members for the project and attesting that the identified field crew members meet the minimum qualifications required by this Condition.	CUL	CUL-3	Complete			
330	At least 20 days prior to ground disturbance, the CRS shall provide a letter naming anticipated CRMs for the project and attesting that the identified CRMs meet the minimum qualifications for cultural resources monitoring required by this Condition.	CUL	CUL-3	Complete			
331	At least five days prior to additional CRMs beginning on-site duties during the project, the CRS shall provide letters to the CPM identifying the new CRMs and attesting to their qualifications.	CUL	CUL-3	Ongoing			
332	(Preferably at least 115 days, but in any event no less than 60 days) prior to the start of ground disturbance, the project owner shall provide the CRS, the PPA, and the PHA with copies of the AFC, data responses, confidential cultural resources documents, the Revised Staff Assessment (RSA), and the RSA Supplement/Errata, if any, and the 2013 Project Amendment SA for the project. The project owner shall also provide the CRS, the PPA, the PHA, and the CPM with maps and drawings showing the footprints of the power plant, all linear facility routes, all access roads, and all lay down areas. Maps shall include the appropriate USGS quadrangles and maps at an appropriate scale (e.g., 1:2400 or 1" = 200') for plotting cultural features or materials. No ground disturbance shall occur prior to CPM approval of maps and drawings, unless such activities are specifically approved by the CPM. Release of cultural resources information will be pending BLM approval.	CUL	CUL-4	Ongoing			
333	If construction of the project would proceed in phases, maps and drawings not previously provided shall be provided to the CRS, the PPA, the PHA, and the CPM prior to the start of each phase (at least 15 days). Written notice identifying the proposed schedule of each project phase shall be provided to the CRS and CPM.	CUL	CUL-4	Ongoing			
334	Weekly, until ground disturbance is completed, the project construction manager shall provide to the CRS and CPM a schedule of project activities for the following week, including the identification of area(s) where ground disturbance will occur during that week. This can be accomplished via email, letter or fax. The project owner shall notify the CRS and the CPM of any changes to the scheduling of the construction phases.	CUL	CUL-4	Ongoing			
335	At least 15 days prior to the start of ground disturbance, if there are changes to any project-related footprint, the project owner shall provide revised maps and drawings for the changes to the CRS, PPA, PHA, and CPM.	CUL	CUL-4	Ongoing			
336	Within five days of changing the scheduling of phases of a phased project, the project owner shall provide written notice of the changes to the CRS and CPM.	CUL	CUL-4	Ongoing			

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337	(Preferably at least 90 days, but in any event no less than 60 days)Prior to the start of ground disturbance, the project owner shall submit to the CPM for review and approval draft and final versions of a Cultural Resources Monitoring and Mitigation Plan (CRMMP), as prepared by or under the direction of the CRS, with the contributions of the PPA, and the PHA. The CPM shall provide each draft of the CRMMP to affiliated Native American tribal entities18 for review and comment. Implementation of the CRMMP shall be the responsibility of the CRS and the project owner. Copies of the CRMMP shall reside with the CRS, alternate CRS, the PPA, and the PHA, each CRM, and the project owner's on-site construction manager. No ground disturbance shall occur prior to CPM approval of the CRMMP, unless such activities are specifically approved by the CPM. Prior to certification, the project owner may have the CRS, alternate CRS, the PPA, and the PHA complete and submit to CEC for review the CRMMP, except for the portions to be contributed by the PTNCL and the	CUL	**CUL-5**	Ongoing			
338	At least 20 days prior to the start of ground disturbance, in a letter to the CPM, the project owner shall agree to pay curation fees for any materials generated or collected as a result of the archaeological investigations (survey, testing, data recovery).	CUL	**CUL-5**	Complete			
339	At least 30 days prior to the initiation of ground disturbance, the project owner shall provide to the CPM a copy of a letter from a curation facility that meets the standards stated in the California State Historical Resources Commission's Guidelines for the Curation of Archaeological Collections, stating the facility's willingness and ability to receive the materials generated by BSPP cultural resources activities and requiring curation. Any agreements concerning curation will be retained and available for audit for the life of the project.		**CUL-5**	Complete			
340	Prior to the start of ground disturbance, the project owner shall ensure that the CRMMP includes a PQAD evaluation and data recovery plan, to identify buried additional potential contributors to the district by geophysical or mechanical survey, to investigate and establish the relationships among all potential contributors by formulating research questions answerable with data from the contributors, conduct data recovery from a sample of the contributors, and write a report of investigations and possibly CRHR and NRHP nominations as well. The potential contributors include quarry site CA-RIV-3419 and thermal cobble feature SMB-P-434. This site list may be revised only with the agreement of the CRS and the CPM. The CRMMP shall also include a detailed data recovery plan for an isolated potential thermal cobble feature (not included in the PQAD) at multi-component site SMB-M-418.	CUL	CUL-6	Ongoing			
341	The project owner shall ensure that the CRS and the PPA assess the NRHP and CRHR eligibility of the PQAD district. Additionally, if the PQAD is found to be ineligible for both registers, the thermal cobble features' eligibility as a separate archaeological district consisting of a thermal cobble feature cluster must also be considered.	CUL	CUL-6	Ongoing			
342	The evaluation and data recovery plan shall also specify in detail the location recordation equipment and methods to be used and describe any anticipated post-processing of the data. The project owner shall then ensure that the CRS, the PPA, the specialist backhoe operator, and archaeological team members implement the plan, with the permission of the BLM. The PQAD evaluation and data recovery plan shall provide, at a minimum, the details described in CUL-6	CUL	CUL-6	Ongoing			
343	The CRS, PPA, and CPM shall derive and agree upon, in consultation, the precise location of an arbitrary provisional PQAD boundary on the surface of the plant site and in the vicinity of the linear facilities corridor.	CUL	CUL-6	Ongoing			

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344	At least 15 days prior to the start of BSPP construction-related ground disturbance in the linear facilities corridor impacting site CA-RIV-3419, the project owner shall notify the CPM that the field recordation of the impacted southwestern portion of the site has ensued.	CUL	CUL-6	Complete			Completed through McCoy
345	At least 90 days prior to the onset of BSPP construction-related ground disturbance in Unit 1 east of Historic Road SMB-H-601, the project owner shall ensure that the PPA completes the geophysical test and that the CRS and PPA consult with the CPM, via telephone, to arrive at an agreement on the reliability of the use of magnetometry to locate buried PQAD thermal cobble features and how to proceed with the subsurface survey. The approved survey shall be conducted. The project owner shall also submit, for the review and approval of the CPM, the precise geographic coordinates of the provisional boundary of the PQAD and a stratified random sample for a broader magnetometry survey of 10 percent of the PQAD within the project boundaries (maximum two acres) or a stratified random sample for a mechanical subsurface survey of 2.5 percent of the PQAD located inside the project's boundaries.	CUL	CUL-6	Complete			
346	1. At least 60 days prior to the onset of BSPP construction-related ground disturbance in Unit 3 east of Historic Road SMB-H-601, the project owner shall ensure that the PPA completes the preliminary report on the formal inventory of the PQAD prepared by or under the direction of the CRS. The project owner shall ensure that the preliminary report is a concise document that provides descriptions of the schedule and methods of the inventory field effort, a preliminary tally of the numbers and, where feasible, the types of archaeological deposits that were found, a discussion of the potential range of error in that tally, and a map of the locations of the found archaeological deposits that has topographic contours and the project site landform designations as overlays. The results of the formal inventory, as set out in the preliminary report, shall be the basis for the refinement of the provisional district boundary.	CUL	CUL-6	Ongoing			
347	2. At least 30 days prior to the start of BSPP construction-related ground disturbance in Unit 3 east of Historic Road SMB-H-601, the project owner shall notify the CPM that the CRS has initiated the data recovery phases of the data recovery program.	CUL	CUL-6	Ongoing			
348	3. At least 30 days prior to the start of ground disturbance within 30 meters of the site boundaries of the three isolated thermal cobble features, the project owner shall notify the CPM that the CRS has initiated data recovery on the three isolated thermal cobble features.	CUL	CUL-6	Ongoing			
349	4. No longer than 90 days after the end of all construction-related ground disturbance, the project owner shall ensure that the CRS completes the preparation of the National Register of Historic Places and the California Register of Historical Resources nominations for the PQAD and submits the nominations to the State Historic Resources Commission for formal consideration.	CUL	CUL-6	Ongoing			
350	5. No longer than 90 days after the end of all construction-related ground disturbance, the project owner shall ensure that the CRS completes the professional paper and provides the CPM with three copies of the final product of that effort, and prepares, and submits for the approval of the CPM, a public outreach product. Upon the CPM's approval of the latter product, the project owner shall ensure, as appropriate, the product's installation, implementation, or display.	CUL	CUL-6	Ongoing			

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351	6. No longer than 90 days after the end of all construction-related ground disturbance, the project owner shall ensure that the CRS completes the requisite material analyses and prepares and submits, for the approval of the CPM, the final cultural resources report for the Blythe cultural resources data recovery and monitoring activities. The final report shall provide descriptions of the schedule and methods of the data recovery effort, technical descriptions of excavated archaeological features and buried land surfaces that present the highest resolution of technical data that can be derived from the data recovery field notes, plan and, as appropriate, profile drawings and photographs of excavated archaeological features and buried land surfaces, and technical descriptions and appropriate graphics of the stratigraphic contexts of excavated archaeological features and buried land surfaces.	CUL	CUL-6	Ongoing			
352	The project owner shall ensure the CRMMP includes a data recovery plan for the resource type "small prehistoric sites," consisting of sites SMB-M-214, SMB-H-234, SMB-H-CT-001and SMB-H-WG-102. This site list may be revised only with the agreement of the CRS and the CPM. The data recovery plan shall include use of the CARIDAP protocol on qualifying sites, how to proceed if features or other buried deposits are encountered, and the materials analyses and laboratory artifact analyses that will be used. The plan shall also specify in detail the location, recordation equipment and methods used and describe any post-processing of the data. Prior to the start of ground disturbance within 30 meters of the sites boundaries of each of these sites, the project owner shall then ensure that the CRS, the PPA, and/or archaeological team members implement the plan, if allowed by the BLM, which, for sites where CARIDAP does not apply, shall include, but is not limited to the following tasks listed in CUL-7	CUL	CUL-7	Ongoing			
353	Present the results of the CUL-7 data recovery in a letter report by the PPA or CRS, which shall serve as a preliminary report. Letter reports may address one site, or multiple sites depending on the needs of the CRS. The letter report shall be a concise document the provides description of the schedule and methods used in the field effort, a preliminary tally of the numbers and types of features and deposits that were found, a discussion of the potential range of error for that tally, a map showing the location of excavation units including topographic contours and the site landforms, and a discussion of the CRHR eligibility of each site and the justification for that determination;	CUL	CUL-7	Complete			
354	Update the existing Department of Parks and Recreation (DPR) 523 site form for these sites, including new data on seasonal drainages, site boundaries, location of each individual artifact, the boundaries around individual artifact concentrations, the landform, and the eligibility determination; and	CUL	CUL-7	Ongoing			
355	Present the final results of data recovery at these prehistoric sites in the CRR, as described in **CUL-18**.	CUL	CUL-7	Ongoing			
356	At least 15 days prior to ground disturbance, the project owner shall notify the CPM that data recovery for small sites has ensued.	CUL	CUL-7	Complete			
357	After the completion of the excavation of the first 1-meter-by-1-meter excavation unit at each of the subject sites, the CRS shall notify the CPM regarding the presence or absence of subsurface deposits and shall make a recommendation on the site's CRHR eligibility	CUL	CUL-7	Ongoing			

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358	Within one week of the completion of data recovery at a site, the project owner shall submit a letter report written by the PPA or CRS for review and approval of the CPM. When the CPM approves the letter report, ground disturbance may begin at this site location.	CUL	CUL-7	Complete			
359	The project owner shall ensure the CRMMP includes a data recovery plan for the resource type "historic-period archaeological sites with features," consisting of sites SMB-H-143, SMB-H-411, SMB-H-416, and SMB-H-419. This site list may be revised only with the agreement of the CRS and the CPM. The data recovery plan shall include how to proceed if features or other buried deposits are encountered and the materials analyses and laboratory artifact analyses that will be used. The plan shall also specify in detail the location, recordation equipment and methods to be used and describe any anticipated post processing of the data. Prior to the start of ground disturbance within 30 meters of the sites boundaries of each of these sites, the project owner shall then ensure that the CRS, the PPA, and/or archaeological team members implement the plan, if allowed by the BLM, which shall include, but is not limited to the following tasks outlined in CUL-8	CUL	CUL-8	Ongoing			
360	The project owner shall ensure that the details of what is found at each site shall be presented in a letter report from the CRS or PHA ,which shall serve as a preliminary report, that details what was found at each site, as follows:	CUL	CUL-8	Ongoing			The letter report shall be a concise document that provides a description of the schedule and methods used in the field effort, a preliminary tally of the numbers and types of features and deposits that were found, a discussion of the potential range of error for that tally, and a map showing the location of collection and/or excavation units, including topographic contours and the site landforms.
361	The project owner shall ensure that the data collected from the field work shall be provided to the DTCCL Historical Archaeologist to assist in the determination of which, if any, of the 12 historic-period sites are contributing elements to the DTCCL.	CUL	CUL-8	Ongoing			
362	The project owner shall ensure that the PHA analyzes all recovered data and writes or supervises the writing of a comprehensive final report. This report shall be included in the CRR (**CUL-18** Relevant portions of the information gathered shall be included in the possible NRHP nomination for the DTCCL (funded by **CUL-2**).	CUL	CUL-8	Ongoing			
363	At least 15 days prior to ground disturbance, the project owner shall notify the CPM that mapping and in-field artifact analysis has ensued on historic-period sites with features.	CUL	CUL-8	Complete			
364	Within one week of completing data recovery at a site, the project owner shall submit to the CPM for review and approval a letter report written by the CRS, evidencing that the field portion of data recovery at each site has been completed. When the CPM approves the letter report, ground disturbance may begin at the site location(s) that are the subject of the letter report.	CUL	CUL-8	Complete			

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365	The project owner shall ensure the CRMMP includes a data recovery plan for the resource type "historic-period archaeological sites with structures," consisting of site SMB-H-404. This site list may be revised only with the agreement of the CRS and the CPM. The data recovery plan shall include how to proceed if features or other buried deposits are encountered and the materials analyses and laboratory artifact analyses that will be used. The plan shall also specify in detail the location, recordation equipment and methods to be used and describe any anticipated post-processing of the data. Prior to the start of ground disturbance within 30 meters of the sites boundaries of each of these sites, the project owner shall then ensure that the CRS, the PPA, and/or archaeological team members implement the plan, if allowed by the BLM, which shall include, but is not limited to the following tasks outlined in CUL-9	CUL	CUL-9	Ongoing			
366	9. The project owner shall ensure that the details of what is found at each site shall be presented in a letter report from the CRS or PHA ,which shall serve as a preliminary report, that details what was found at each site, as follows:	CUL	CUL-9	Ongoing			The letter report shall be a concise document the provides a description of the schedule and methods used in the field effort, a preliminary tally of the numbers and types of features and deposits that were found, a discussion of the potential range of error for that tally, and a map showing the location of collection and/or excavation units, including topographic contours and the site landforms.
367	The project owner shall ensure that the data collected from the field work shall be provided to the DTCCL Historical Archaeologist to assist in the determination of which, if any, of the three historic-period sites are contributing elements to the DTCCL.	CUL	CUL-9	Ongoing			
368	The project owner shall ensure that the PHA analyzes all recovered data and writes or supervises the writing of a comprehensive final report. This report shall be included in the CRR (**CUL-18**). Relevant portions of the information gathered shall be included in the possible NRHP nomination for the DTCCL (funded by **CUL-2**).	CUL	CUL-9	Ongoing			
369	At least 15 days prior to ground disturbance, the project owner shall notify the CPM that mapping and in-field artifact analysis has ensued on historic-period sites with structures.	CUL	CUL-9	Complete			
370	Within one week of completing data recovery at a site, the project owner shall submit to the CPM for review and approval a letter report written by the CRS, evidencing that the field portion of data recovery at each site has been completed. When the CPM approves the letter report, ground disturbance may begin at the site location(s) that are the subject of the letter report.	CUL	CUL-9	Complete			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
371	The project owner shall ensure the CRMMP includes a data recovery plan for the resource type "historic-period dump sites," consisting of sites SMB-H-171, SMB-H-178, SMB-H- 403, and SMB-H-427 on the proposed plant site and SMB-H-522/525 along the linear facilities corridor if impacts to the latter cannot be avoided by spanning. This site list may be revised only with the agreement of the CRS and the CPM. The data recovery plan shall include how to proceed if features or other buried deposits are encountered, and the materials analyses and laboratory artifact analyses that will be used. The plan shall also specify in detail the location recordation equipment and methods to be used and describe any anticipated post-processing of the data. Prior to the start of ground disturbance within 30 meters of the sites boundaries of each of these sites, the project owner shall then ensure that the CRS, the PPA, and/or archaeological team members implement the plan, if allowed by the BLM, which shall include, but is not limited to the following tasks listed in CUL-10	CUL	CUL-10	Ongoing			
372	7. The project owner shall ensure that the details of what is found at each site shall be presented in a letter report from the CRS or PHA, which shall serve as a preliminary report, that details what was found at each site, as follows: b. The letter report shall be a concise document the provides a description of the schedule and methods used in the field effort, a preliminary tally of the numbers and types of features and deposits that were found, and a map showing the location of collection and/or excavation units, including topographic contours and the site landforms. c. The letter report for each site shall present preliminary conclusions regarding the period(s) of use of the dump and suggest who the possible users were in each represented period.	CUL	CUL-10	Ongoing			
373	The project owner shall ensure that the data collected from the field work shall be provided to the DTCCL Historical Archaeologist to assist in the determination of which, if any, of the five historic-period dump sites are contributing elements to the DTCCL.	CUL	CUL-10	Ongoing			
374	The project owner shall ensure that the PHA analyzes all recovered data and writes or supervises the writing of a comprehensive final report. This report shall be included in the CRR (CUL-18). Relevant portions of the information gathered shall be included in the possible NRHP nomination for the DTCCL (funded by CUL-2).	CUL	CUL-10	Ongoing			
375	At least 15 days prior to ground disturbance, the project owner shall notify the CPM that mapping and in-field artifact analysis has ensued on historic-period dump sites.	CUL	CUL-10	Complete			
376	Within one week of completing data recovery at a site, the project owner shall submit to the CPM for review and approval a letter report written by the CRS, evidencing that the field portion of data recovery at each site has been completed. When the CPM approves the letter report, ground disturbance may begin at the site location(s) that are the subject of the letter report.	CUL	CUL-10	Complete			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
377	The project owner shall ensure the CRMMP includes a data recovery plan for the resource type "historic-period refuse sites," consisting of sites SMB-H-164, SMB-H-166, SMB-H¬287, SMB-H-288, and SMB-H-423. The focus of the recordation upgrade is to determine if these sites can be attributed to the DTC/C-AMA use of the region and are therefore contributors to the DTCCL. This site list may be revised only with the agreement of the CRS and the CPM. The data recovery plan shall include how to proceed if features or other buried deposits are encountered and the materials analyses and laboratory artifact analyses that will be used. The plan shall also specify in detail the location recordation equipment and methods to be used and describe any anticipated post-processing of the data. Prior to the start of ground disturbance within 30 meters of the sites boundaries of each of these sites, the project owner shall then ensure that the CRS, the PPA, and/or archaeological team members implement the plan, if allowed by the BLM, which shall include, but is not limited to the following tasks described in CUL-11	CUL	CUL-11	Ongoing			
378	6. The project owner shall ensure that the details of what is found at each site shall be presented in a letter report from the CRS or PHA, which shall serve as a preliminary report, that details what was found at each site, as follows: a. Letter reports may address one site, or multiple sites depending on the needs of the CRS; and b. The letter report shall be a concise document the provides a description of the schedule and methods used in the field effort, a preliminary tally of the numbers and types of features and deposits that were found, a discussion of the potential range of error for that tally, and a map showing the location of collection and/or excavation units, including topographic contours and the site landforms. c. The letter report shall make a recommendation on whether each site is a contributor to the DTTCL.	CUL	CUL-11	Ongoing			
379	The project owner shall ensure that the data collected from the fieldwork shall be provided to the DTCCL Historical Archaeologist to assist in the determination of which, if any, of the six historic-period sites are contributing elements to the DTCCL.	CUL	CUL-11	Ongoing			
380	The project owner shall ensure that the PHA analyzes all recovered data and writes or supervises the writing of a comprehensive final report. This report shall be included in the CRR (**CUL-18**). Relevant portions of the information gathered shall be included in the possible NRHP nomination for the DTCCL (funded by **CUL-2**).	CUL	CUL-11	Ongoing			
381	At least 15 days prior to ground disturbance, the project owner shall notify the CPM that mapping and upgraded in-field artifact analysis has ensued on six historic-period refuse scatter sites.	CUL	CUL-11	Complete			
382	Within one week of completing data recovery at a site, the project owner shall submit to the CPM for review and approval a letter report written by the CRS, evidencing that the field portion of data recovery at each site has been completed. When the CPM approves the letter report, ground disturbance may begin at the site location(s) that are the subject of the letter report	CUL	CUL-11	Complete			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
383	The project owner shall ensure that a qualified architectural historian (must meet the U.S. Secretary of the Interior's Professional Qualifications Standards for historian, as published in Title 36, Code of Federal Regulations, part 61) conducts research and writes a report on the age and use of two historic period, unimproved roads (SMB-H-600, SMB-H-601), with particular attention paid to their role during the use of the area by the U. S. Army in World War II training maneuvers (DTC/C-AMA). The project owner shall provide the historian's report to the DTCCL PI Historian for use in the possible DTCCL NRHP nomination. The project owner may undertake this task prior to Energy Commission certification of the project.	CUL	CUL-12	Ongoing			
384	At least 15 days prior to ground disturbance, the project owner shall submit to the PM the historian's report documenting the age and historical use of the two roads.	CUL	CUL-12	Complete			
385	Within 15 days after the CPM approves the report, the project owner shall forward it to the DTCCL PI-Historian.	CUL	CUL-12	Complete			
386	The project owner shall ensure that a qualified architectural historian (must meet the U.S. Secretary of the Interior's Professional Qualifications Standards for historian, as published in Title 36, Code of Federal Regulations, part 61) conducts research to establish the current existence and locations of the water supply pipelines that connect the Blythe Army Air Base Reservoir pipelines to the former Blythe Army Air Base. The project owner shall ensure that the construction of the project's underground facilities that cross these old pipelines avoids impacting them. The project owner shall provide the historian's report to the DTCCL PI Historian for use in the possible DTCCL NRHP nomination. The project owner may undertake this task prior to Energy Commission certification of the project.	CUL	CUL-13	Ongoing			
387	At least 15 days prior to excavating any trenches crossing the old Blythe Army Air Base Reservoir water pipelines, the project owner shall submit to the CPM the historian's report verifying the current presence or absence of the pipelines and, if they are present, a plan indicating how they will be avoided.	CUL	CUL-13	Ongoing			
388	Within 15 days after the CPM approves the report, the project owner shall forward it to the DTCCL PI-Historian.	CUL	CUL-13	Ongoing			
389	The project owner shall ensure that a qualified architectural historian (must meet the U.S. Secretary of the Interior's Professional Qualifications Standards for historian, as published in Title 36, Code of Federal Regulations, part 61) conducts research to evaluate the CRHR eligibility of the radio communications facility, considering all pertinent register criteria, as well as integrity. If the facility is recommended as CRHR-eligible, the project owner shall propose ways to avoid or mitigate, to a less than significant level, the project's impacts to the facility's integrity of setting and integrity of feeling.The project owner may undertake this task prior to Energy Commission certification of the project.	CUL	CUL-14	Ongoing			
390	At least 45 days prior to construction, the project owner shall submit to the CPM the historian's recommendation, with supporting evidence, on the eligibility of the radio communications facility and, if it is eligible, a plan indicating how the project's impacts to the facility's integrity of setting and integrity of feeling will be avoided or mitigated to a less than significant level.	CUL	CUL-14	Complete			
391	At least 30 days prior to construction, the project owner shall implement those elements of the submitted avoidance/mitigation plan approved by the CRS.	CUL	CUL-14	Complete			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
392	Prior to and for the duration of ground disturbance, the project owner shall provide Worker Environmental Awareness Program (WEAP) training to all new workers within their first week of employment at the project site, along the linear facilities routes, and at laydown areas, roads, and other ancillary areas. The training shall be prepared by the CRS, may be conducted by any member of the archaeological team, and may be presented in the form of a video. The CRS shall be available (by telephone or in person) to answer questions posed by employees. The training may be discontinued when ground disturbance is completed or suspended, but must be resumed when ground disturbance, such as landscaping, resumes.The training shall include all items listed in CUL-15	CUL	CUL-15	Ongoing			
393	At least 30 days prior to the beginning of ground disturbance, the CRS shall provide the training program draft text and graphics and the informational brochure to the CPM for review and approval.	CUL	CUL-15	Complete			
394	At least 15 days prior to the beginning of ground disturbance, the CPM will provide to the project owner a WEAP Training Acknowledgement form for each WEAP trained worker to sign.	CUL	CUL-15	Complete			
395	Monthly, until ground disturbance is completed, the project owner shall provide in the Monthly Compliance Report (MCR) the WEAP Training Acknowledgement forms of workers who have completed the training in the prior month and a running total of all persons who have completed training to date.	CUL	CUL-15	Ongoing			
396	The project owner shall ensure that the CRS, alternate CRS, or CRMs, prevent construction impacts to undiscovered resources and shall further ensure that known resources are not impacted in an unanticipated manner, monitor full time all ground disturbances: 1. associated with construction-related grading and other earthwork; 2. for the trenches for underground communication lines and the natural gas pipeline; 3. for the holes for the transmission line support structures; 4. And for the jack-and-bore tunneling for underground conductor or cable lines or pipelines, that they monitor the excavation of the jack-and-bore entry and exit pits and examine, log, and screen auger backdirt samples, as detailed in the CRMMP.	CUL	CUL-16	Ongoing			
397	Full-time archaeological monitoring for this project shall be the archaeological monitoring of the earth-removing activities in the areas specified in the previous paragraph, for as long as the activities are ongoing. Where excavation equipment is actively removing dirt and hauling the excavated material farther than fifty feet from the location of active excavation, full-time archaeological monitoring shall require at least two monitors per excavation area. In this circumstance, one monitor shall observe the location of active excavation and a second monitor shall inspect the dumped material. For excavation areas where the excavated material is dumped no farther than fifty feet from the location of active excavation, one monitor shall both observe the location of active excavation and inspect the dumped material.	CUL	CUL-16	Ongoing			

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398	A Native American monitor shall be obtained to monitor all of the ground disturbance described above. Contact lists of interested Native Americans and guidelines for monitoring shall be obtained from the Native American Heritage Commission. Preference in selecting a monitor shall be given to Native Americans with traditional ties to the area that shall be monitored. If efforts to obtain the services of a qualified Native American monitor are unsuccessful, the project owner shall immediately inform the CPM. The CPM will either identify potential monitors or will allow ground disturbance to proceed without a Native American monitor.	CUL	CUL-16	Ongoing			
399	The research design in the CRMMP shall govern the collection, treatment, retention/disposal, and curation of any archaeological materials encountered.	CUL	CUL-16	Ongoing			
400	On forms provided by the CPM, CRMs shall keep a daily log of any monitoring and other cultural resources activities and any instances of noncompliance with the Conditions and/or applicable LORS. Copies of the daily monitoring logs shall be provided by the CRS to the CPM, if requested by the CPM, and to any affiliated Native American tribal entities that request such logs. From these logs, the CRS shall compile a monthly monitoring summary report to be included in the MCR. If there are no monitoring activities, the summary report shall specify why monitoring has been suspended.	CUL	CUL-16	Ongoing			
401	The CRS, at his or her discretion, or at the request of the CPM, may informally discuss cultural resources monitoring and mitigation activities with Energy Commission technical staff.	CUL	CUL-16	Ongoing			
402	Cultural resources monitoring activities are the responsibility of the CRS. Any interference with monitoring activities, removal of a monitor from duties assigned by the CRS, or direction to a monitor to relocate monitoring activities by anyone other than the CRS shall be considered non-compliance with these Conditions.	CUL	CUL-16	Ongoing			
403	Upon becoming aware of any incidents of non-compliance with the Conditions and/or applicable LORS, the CRS and/or the project owner shall notify the CPM by telephone or e-mail within 24 hours. The CRS shall also recommend corrective action to resolve the problem or achieve compliance with the Conditions. When the issue is resolved, the CRS shall write a report describing the issue, the resolution of the issue, and the effectiveness of the resolution measures. This report shall be provided in the next MCR for the review of the CPM.	CUL	CUL-16	Ongoing			
404	At least 30 days prior to the start of ground disturbance, the CPM will provide to the CRS an electronic copy of a form to be used as a daily monitoring log.	CUL	CUL-16	Complete			
405	Monthly, while monitoring is on-going, the project owner shall include in each MCR a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS and shall attach any new DPR 523A forms completed for finds treated prescriptively, as specified in the CRMMP.	CUL	CUL-16	Ongoing			
406	At least 48 hours prior to implementing a proposed change in monitoring level, the project owner shall submit to the CPM, for review and approval, a letter or e- mail (or some other form of communication acceptable to the CPM) detailing the CRS's justification for changing the monitoring level and concurrently notify affiliated Native American tribal entities.	CUL	CUL-16	Ongoing			

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407	Daily, as long as no cultural resources are found, the CRS shall provide a statement that "no cultural resources over 50 years of age were discovered" to the CPM as an e-mail or in some other form of communication acceptable to the CPM and to any affiliated Native American tribal entities that request such statements.	CUL	CUL-16	Ongoing			
408	Weekly, during jack-and-bore tunneling for the underground transmission line, the project owner shall provide the CPM with copies of the soil and sediment descriptions and auger-backdirt screening logs kept by the CRS, alternate CRS, or CRMs, as detailed in the CRMMP.	CUL	CUL-16	Ongoing			
409	At least 24 hours prior to reducing or ending daily reporting, the project owner shall submit to the CPM, for review and approval, a letter or e-mail (or some other form of communication acceptable to the CPM) detailing the CRS's justification for reducing or ending daily reporting.	CUL	CUL-16	Ongoing			
410	No later than 30 days following the discovery of any Native American cultural materials, the project owner shall submit to the CPM copies of the information transmittal letters sent to the Chairpersons of the affiliated Native American tribal entities who requested the information. Additionally, the project owner shall submit to the CPM copies of letters of transmittal for all subsequent responses to Native American requests for notification, consultation, and reports and records.	CUL	CUL-16	Ongoing			
411	Within 15 days of receiving them, the project owner shall submit to the CPM copies of any comments or information provided by Native Americans in response to the project owner's transmittals of information. The project owner shall provide written responses to any such comments or information within five business days of their receipt and copy the CPM with such correspondence.	CUL	CUL-16	Ongoing			
412	The project owner shall grant authority to halt ground disturbance to the CRS, alternate CRS, PPA, PHA, and the CRMs No Action Unless Event Occurs a discovery. Redirection of ground disturbance shall be accomplished under the direction of the construction supervisor in consultation with the CRS. In the event that a cultural resource over 50 years of age is found (or if younger, determined exceptionally significant by the CPM), or impacts to such a resource can be anticipated, ground disturbance shall be halted or redirected in the immediate vicinity of the discovery sufficient to ensure that the resource is protected from further impacts. Monitoring and daily reporting, as provided in other Conditions, shall continue during the project's ground-disturbing activities elsewhere. The halting or redirection of ground disturbance shall remain in effect until the CRS has visited the discovery, and all of the following have occurred:	CUL	CUL-17	Ongoing			
413	1. The CRS has notified the project owner, and the CPM has been notified within 24 hours of the discovery, or by Monday morning if the cultural resources discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning 2. If the discovery would be of interest to affiliated Native American tribal entities, the CPM shall ensure the CRS has notified, within 48 hours, all affiliated Native American tribal entities that expressed a desire to be notified No Action Unless Event Occurs such a discovery. 3. The CRS has completed field notes, measurements, and photography for a DPR 523 Primary form. 4. The CRS, the project owner, and the CPM have conferred, and the CPM has concurred with the recommended eligibility of the discovery and approved the CRS's proposed data recovery, if any, including the curation of the artifacts, or other appropriate mitigation; and any necessary data recovery and mitigation have been completed.	CUL	CUL-17	Ongoing			

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414	At least 30 days prior to the start of ground disturbance, the project owner shall provide the CPM and CRS with a letter confirming that the CRS, alternate CRS, PPA, PHA, and CRMs have the authority to halt ground disturbance in the vicinity of a cultural resources discovery, and that the project owner shall ensure that the CRS notifies the CPM within 24 hours of a discovery, or by Monday morning if the cultural resources discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning.	CUL	CUL-17	Complete	1/13/2015		
415	Within 30 days after requesting a suspension of construction activities, the project owner shall submit a draft CRR to the CPM for review and approval.	CUL	CUL-18	Ongoing			
416	Within 180 days after completion of ground disturbance (including landscaping), the project owner shall submit the final CRR to the CPM for review and approval and to the BLM Palm Springs Field Office archaeologist for review and approval. If any reports have previously been sent to the CHRIS, then receipt letters from the CHRIS or other verification: of receipt shall be included in an appendix.	CUL	CUL-18	Ongoing			
417	Within 10 days after the CPM and the BLM Palm Springs Field Office archaeologist approve the CRR, the project owner shall provide documentation to the CPM confirming that copies of the final CRR have been provided to the SHPO, the CHRIS, the curating institution, if archaeological materials were collected, and to the Tribal Chairpersons of any Native American groups requesting copies of project-related reports.	CUL	CUL-18	Ongoing			
418	If provisions in the BLM Blythe Solar Power Plant Programmatic Agreement and associated implementation and monitoring programs conflict with or duplicate these Conditions of Certification, the BLM provisions shall take precedence. Provisions in these Conditions that are additional to or exceed BLM provisions and represent requirements under the Energy Commission's CEQA responsibilities shall continue to apply to the project's activities, contingent on BLM's approval.	CUL	CUL-19	Ongoing			
419	The Soils Engineering Report required by Section 1803 of the 2010 CBC should specifically include laboratory test data, associated geotechnical engineering analyses, and a thorough discussion of corrosive soils, hydrocompaction or dynamic compaction; and the presence of expansive clay soils. The report should also include recommendations for ground improvement and/or foundation systems necessary to mitigate these potential geologic hazards, if present.	GEO	GEO-1	Ongoing			
420	The project owner shall include in the application for a grading permit a copy of the Soils Engineering Report which addresses the potential for liquefaction; settlement due to compressible soils, ground water withdrawal, hydrocompaction, or dynamic compaction; and the possible presence of expansive clay soils, and a summary of how the results of the analyses were incorporated into the project foundation and grading plan design for review and comment by the Chief Building Official (CBO). A copy of the Soils Engineering Report, application for grading permit and any comments by the CBO are to be provided to the CPM at least 30 days prior to grading.	GEO	GEO-1	Ongoing			
421	The project owner shall provide the CPM with the resume and qualifications of its PRS for review and approval at least 60 days prior to start of ground disturbance. If the approved PRS is replaced prior to completion of project mitigation and submittal of the Paleontologic Resources Report, the project owner shall obtain CPM approval of the replacement PRS. The project owner shall keep resumes on file for qualified paleontologic resource monitors (PRMs). If a PRM is replaced, the resume of the replacement PRM shall also be provided to the CPM.	GEO	PAL-1	Complete			

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422	The PRS resume shall include the names and phone numbers of references. The resume shall also demonstrate to the satisfaction of the CPM the appropriate education and experience to accomplish the required paleontologic resource tasks. As determined by the CPM, the PRS shall meet the minimum qualifications for a vertebrate paleontologist as described in the Society of Vertebrate Paleontology (SVP) guidelines of 1995. The experience of the PRS shall include those items outlined in PAL-1	PAL	PAL-1	Ongoing			
423	The project owner shall ensure that the PRS obtains qualified paleontologic resource monitors to monitor as he or she deems necessary on the project.	PAL	PAL-1	Ongoing			
424	(2) At least 20 days prior to ground disturbance, the PRS or project owner shall provide a letter with resumes naming anticipated monitors for the project, stating that the identified monitors meet the minimum qualifications for paleontologic resource monitoring required by the condition. If additional monitors are obtained during the project, the PRS shall provide additional letters and resumes to the CPM. The letter shall be provided to the CPM no later than one week prior to the monitor's beginning on-site duties.	PAL	PAL-1	Complete			
425	(3) Prior to the termination or release of a PRS, the project owner shall submit the resume of the proposed new PRS to the CPM for review and approval	PAL	PAL-1	Ongoing			
426	The project owner shall provide to the PRS and the CPM, for approval, maps and drawings showing the footprint of the power plant, construction lay-down areas, and all related facilities at least 30 days prior to the start of ground disturbance. Maps shall identify all areas of the project where ground disturbance is anticipated. If the PRS requests enlargements or strip maps for linear facility routes, the project owner shall provide copies to the PRS and CPM.	PAL	PAL-2	Complete			
427	If construction of the project proceeds in phases, maps and drawings may be submitted at least 15 days prior to the start of each phase. A letter identifying the proposed schedule of each project phase shall be provided to the PRS and CPM. Before work commences on affected phases, the project owner shall notify the PRS and CPM of any construction phase scheduling changes.	PAL	PAL-2	Ongoing			
428	At a minimum, the project owner shall ensure that the PRS or PRM consults weekly with the project superintendent or construction field manager to confirm area(s) to be worked the following week and until ground disturbance is completed.	PAL	PAL-2	Ongoing			
429	(3) If there are changes to the scheduling of the construction phases, the project owner shall submit a letter to the CPM within 5 days of identifying the changes.	PAL	PAL-2	Ongoing			
430	The project owner shall ensure that the PRS prepares, and the project owner submits to the CPM for review and approval, a paleontologic resources monitoring and mitigation plan (PRMMP) to identify general and specific measures to minimize potential impacts to significant paleontologic resources. Approval of the PRMMP by the CPM shall occur prior to any ground disturbance. The PRMMP shall function as the formal guide for monitoring, collecting, and sampling activities and may be modified with CPM approval. This document shall be used as the basis of discussion when on-site decisions or changes are proposed. Copies of the PRMMP shall reside with the PRS, each monitor, the project owner's on-site manager, and the CPM.	PAL	PAL-3	Complete		7/10/2014	
431	At least 30 days prior to ground disturbance, the project owner shall provide a copy of the PRMMP to the CPM. The PRMMP shall include an affidavit of authorship by the PRS and acceptance of the PRMMP by the project owner evidenced by a signature.	PAL	PAL-3	Complete			

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432	Prior to ground disturbance and for the duration of construction activities involving ground disturbance, the project owner and the PRS shall prepare and conduct weekly CPM-approved training for the following workers: project managers, construction supervisors, foremen, and general workers involved with or who operate ground-disturbing equipment or tools. Workers shall not excavate in sensitive units prior to receiving CPM-approved worker training. Worker training shall consist of an initial in-person PRS training or may utilize a CPM-approved video or other presentation format during the project kick off for those mentioned above. Following initial training, a CPM-approved video or other approved training presentation/materials, or in-person training may be used for new employees. The training program may be combined with other training programs prepared for cultural and biological resources, hazardous materials, or other areas of interest or concern. No ground disturbance shall occur prior to CPM approval of the Worker Environmental Awareness Program (WEAP), unless specifically approved by the CPM.	PAL	PAL-4	Ongoing			
433	(1) At least 30 days prior to ground disturbance, the project owner shall submit the proposed WEAP, including the brochure, with the set of reporting procedures for workers to follow.	PAL	PAL-4	Complete			
434	(2) At least 30 days prior to ground disturbance, the project owner shall submit the training program presentation/materials to the CPM for approval if the project owner is planning to use a presentation format other than an in-person trainer for training.	PAL	PAL-4	Complete			
435	(3) If the owner requests an alternate paleontologic trainer, the resume and qualifications of the trainer shall be submitted to the CPM for review and approval prior to installation of an alternate trainer. Alternate trainers shall not conduct training prior to CPM authorization.	PAL	PAL-4	Ongoing			
436	(4) In the monthly compliance report (MCR), the project owner shall provide copies of the WEAP certification of completion forms with the names of those trained and the trainer or type of training (in-person or other approved format) offered that month. The MCR shall also include a running total of all persons who have completed the training to date.	PAL	PAL-4	Ongoing			
437	The project owner shall ensure that the PRS and PRM(s) monitor consistent with the PRMMP all construction-related grading, excavation, trenching, and augering in areas where potential fossil-bearing materials have been identified, both at the site and along any constructed linear facilities associated with the project. In the event that the PRS determines full-time monitoring is not necessary in locations that were identified as potentially fossil bearing in the PRMMP, the project owner shall notify and seek the concurrence of the CPM.	PAL	PAL-5	Ongoing			
438	The project owner shall ensure that the PRS and PRM(s) have the authority to halt or redirect construction if paleontologic resources are encountered. The project owner shall ensure that there is no interference with monitoring activities unless directed by the PRS. Monitoring activities shall be conducted as follows:	PAL	PAL-5	Ongoing			

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439	1. Any change of monitoring from the accepted schedule in the PRMMP shall be proposed in a letter or email from the PRS and the project owner to the CPM prior to the change in monitoring and will be included in the monthly compliance report. The letter or email shall include the justification for the change in monitoring and be submitted to the CPM for review and approval. 2. The project owner shall ensure that the PRM(s) keep a daily monitoring log of paleontologic resource activities. The PRS may informally discuss paleontologic resource monitoring and mitigation activities with the CPM at any time. 3. The project owner shall ensure that the PRS notifies the CPM within 24 hours of the occurrence of any incidents of non-compliance with any paleontologic resources conditions of certification. The PRS shall recommend corrective action to resolve the issues or achieve compliance with the conditions of certification. 4. For any significant paleontologic resources encountered, either the project owner or the PRS shall notify the CPM within 24 hours, or Monday morning in the case of a weekend event, where construction has been halted because of a paleontologic find.	PAL	PAL-5	Ongoing			
440	The project owner shall ensure that the PRS prepares a summary of monitoring and other paleontologic activities placed in the monthly compliance reports. When feasible, the CPM shall be notified 10 days in advance of any proposed changes in monitoring different from the plan identified in the PRMMP	PAL	PAL-5	Ongoing			
441	The project owner, through the designated PRS, shall ensure that all components of the PRMMP are adequately performed including collection of fossil materials, preparation of fossil materials for analysis, analysis of fossils, identification and inventory of fossils, the preparation of fossils for curation, and the delivery for curation of all significant paleontologic resource materials encountered and collected during project construction.	PAL	PAL-6	Ongoing			
442	The project owner shall maintain in his/her compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists. The project owner shall maintain these files for a period of three years after project completion and approval of the CPM-approved paleontologic resource report (see Condition of Certification PAL-7). The project owner shall be responsible for paying any curation fees charged by the museum for fossils collected and curated as a result of paleontologic mitigation. A copy of the letter of transmittal submitting the fossils to the curating institution shall be provided to the CPM.	PAL	PAL-6	Ongoing			
443	The project owner shall ensure preparation of a Paleontologic Resources Report (PRR) by the designated PRS. The PRR shall be prepared following completion of the ground-disturbing activities. The PRR shall include an analysis of the collected fossil materials and related information and submit it to the CPM for review and approval.Within 90 days after completion of ground-disturbing activities, including landscaping, the project owner shall submit the PRR under confidential cover to the CPM.	PAL	PAL-7	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
444	The project owner shall prepare and submit a UXO Identification, Training and Reporting Plan to properly train all site workers in the recognition, avoidance and reporting of military waste debris and ordnance no less than 30 days prior to the initiation of construction activitites at the site. The project owner shall submit the plan to the CPM for review and approval prior to the start of construction.	PAL	WASTE-1	Complete			
445	The project owner shall provide documentation of the plan and provide survey results to the CPM.	PAL	WASTE-1	Complete			
446	The project owner shall provide the résumé of an experienced and qualified Professional Engineer or Professional Geologist to the CPM for review and approval at least 30 days prior to the start of site mobilization. The résumé shall show experience in remedial investigation and feasibility studies. This Professional Engineer or Professional Geologist shall be available during site characterization (if needed), excavation, grading, and demolition activities. The Professional Engineer or Professional Geologist shall be given authority by the project owner to oversee any earth-moving activities that have the potential to disturb contaminated soil and impact public health, safety, and the environment.	WASTE	WASTE-2	Ongoing			
447	If potentially contaminated soil is identified during site characterization, excavation, grading, or demolition at either the proposed site or linear facilities—as evidenced by discoloration, odor, detection by handheld instruments, or other signs—the Professional Engineer or Professional Geologist shall inspect the site; determine the need for sampling to confirm the nature and extent of contamination; and provide a written report to the project owner, representatives of Department of Toxic Substances Control (DTSC) or Regional Water Quality Control Board (RWQCB), the CPM stating the recommended course of action.	WASTE	WASTE-3	Ongoing			
448	Depending on the nature and extent of contamination, the Professional Engineer or Professional Geologist shall have the authority to temporarily suspend construction activity at that location for the protection of workers or the public. If in the opinion of the Professional Engineer or Professional Geologist significant remediation may be required, the project owner shall contact the CPM, and representatives of the DTSC or RWQCB for guidance and possible oversight.	WASTE	WASTE-3	Ongoing			
449	The project owner shall submit any reports filed by the Professional Engineer or Professional Geologist to the CPM within 5 days of their receipt. The project owner shall notify the CPM within 24 hours of any orders issued to halt construction.	WASTE	WASTE-3	Ongoing			
450	The project owner shall submit a Construction Waste Management Plan to the CPM for review and approval prior to the start of construction (no later than 30 days prior)	WASTE	WASTE-4	Complete			
451	The project owner shall obtain a hazardous waste generator identification number from the United States Environmental Protection Agency (USEPA) prior to generating any hazardous waste during project construction and operations.	WASTE	WASTE-5	Ongoing			

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452	The project owner shall keep a copy of the identification number on file at the project site and provide documentation of the hazardous waste generation and notification and receipt of the number to the CPM in the next scheduled Monthly Compliance Report after receipt of the number. Submittal of the notification and issued number documentation to the CPM is only needed once unless there is a change in ownership, operation, waste generation, or waste characteristics that requires a new notification to USEPA. Documentation of any new or revised hazardous waste generation notifications or changes in identification number shall be provided to the CPM in the next scheduled compliance report.	WASTE	WASTE-5	Ongoing			
453	Upon notification of any impending waste management-related enforcement action related to project site activities by any local, state, or federal authority, the project owner shall notify the CPM of any such action taken or proposed against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts for the project, and describe the owner's response to the impending action or if a violation has been found, how the violation will be corrected.	WASTE	WASTE-6	Ongoing			
454	The project owner shall notify the CPM in writing within 10 days of receiving written notice from authorities of an impending enforcement action. The CPM shall notify the project owner of any changes that will be required in the way project-related wastes are managed as a result of a finalized action against the project.	WASTE	WASTE-6	Ongoing			
455	The project owner shall submit the Operation Waste Management Plan to the CPM for review and approval no fewer than 30 days prior to start of operation.	WASTE	WASTE-7	Ongoing			
456	The project owner shall also document in each Annual Compliance Report the actual volume of wastes generated and the waste management methods used during the year, provide a comparison of the actual waste generation and management methods used to those proposed in the original Operation Waste Management Plan, and update the Operation Waste Management Plan as necessary to address current waste generation and management practices.	WASTE	WASTE-7	Ongoing			
457	The project owner shall ensure that all accidental spills or unauthorized releases of hazardous substances, hazardous materials, and hazardous waste are documented and remediated, and that wastes generated from accidental spills and unauthorized releases are properly managed and disposed of in accordance with all applicable federal, state, and local requirements. For the purpose of this Condition of Certification, “release” shall have the definition in Title 40 of the Code of Federal Regulations, Part 302.3.	WASTE	WASTE-9	Ongoing			
458	The project owner shall document management of all accidental spills and unauthorized releases of hazardous substances, hazardous materials, and hazardous wastes that occur on the project property or related linear facilities.	WASTE	WASTE-9	Ongoing			
459	A copy of the accidental spill or unauthorized release documentation shall be provided to the CPM within 30 days of the date the release was discovered.	WASTE	WASTE-9	Ongoing			
460	The project owner shall ensure that all non-hazardous, non- recyclable, and non-reusable construction and operation waste is not diverted to Desert Center Landfill or Mecca II Landfill.	WASTE	WASTE-10	Ongoing			
461	The project owner shall document all project-related solid waste disposal actions to the Compliance Project Manager annually.	WASTE	WASTE-10	Ongoing			

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462	At least 15 days prior to the start of ground disturbance, the project owner shall notify all residents within one mile of the project site and the linear facilities, by mail or by other effective means, of the commencement of project construction. At the same time, the project owner shall establish a telephone number for use by the public to report any undesirable noise conditions associated with the construction and operation of the project. If the telephone is not staffed 24 hours a day, the project owner shall include an automatic answering feature, with date and time stamp recording, to answer calls when the phone is unattended. This telephone number shall be posted at the project site during construction where it is visible to passersby. This telephone number shall be maintained until the project has been operational for at least one year	NOISE	NOISE-1	Complete			
463	Prior to ground disturbance, the project owner shall transmit to the compliance project manager (CPM) a statement, signed by the project owner's project manager, stating that the above notification has been performed, and describing the method of that notification. This communication shall also verify that the telephone number has been established and posted at the site, and shall provide that telephone number.	NOISE	NOISE-1	Complete			
464	Throughout the construction and operation of the project, the project owner shall document, investigate, evaluate, and attempt to resolve all project-related noise complaints. The project owner or authorized agent shall: • use the Noise Complaint Resolution Form (below), or a functionally equivalent procedure acceptable to the CPM, to document and respond to each noise complaint; • attempt to contact the person(s) making the noise complaint within 24 hours; • conduct an investigation to determine the source of noise in the complaint; • if the noise is project related, take all feasible measures to reduce the source of the noise; and • submit a report documenting the complaint and actions taken. The report shall include: a complaint summary, including the final results of noise reduction efforts and, if obtainable, a signed statement by the complainant stating that the noise problem has been resolved to the complainant's satisfaction.	NOISE	NOISE-2	Ongoing			
465	Within five days of receiving a noise complaint, the project owner shall file a Noise Complaint Resolution Form, shown below, with both the local jurisdiction and the CPM, that documents the resolution of the complaint. If mitigation is required to resolve the complaint, and the complaint is not resolved within a three-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is performed and complete.	NOISE	NOISE-2	Ongoing			
466	At least 30 days prior to start of ground disturbance the project owner shall submit to the CPM for review and approval a noise control program. The noise control program shall be used to reduce employee exposure to high (above permissible) noise levels during construction in accordance to the applicable OSHA and Cal- OSHA standards.	NOISE	NOISE-3	Complete			

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467	During project construction, heavy equipment operation and noisy construction work relating to any project features within ¼ mile of an existing residence shall be restricted to the times delineated below, unless a special permit has been issued by the County of Riverside: <u>Mondays through Fridays:</u> June through September: 6 a.m. to 7 p.m. October through May: 6 a.m. to 6 p.m. Saturdays: 9 a.m. to 5 p.m. Sundays and Federal holidays: No Construction Allowed Haul trucks and other engine-powered equipment shall be equipped with adequate mufflers. Haul trucks shall be operated in accordance with posted speed limits. Truck engine exhaust brake use shall be limited to emergencies.	NOISE	NOISE-6	Ongoing			
468	Prior to ground disturbance, the project owner shall transmit to the CPM a statement acknowledging that the above restrictions will be observed throughout the construction of the project.	NOISE	NOISE-6	Complete	12/19/2014		
469	The project owner shall submit a "No Trespassing" letter to the satisfaction of the Colorado River Station of the Riverside County Sheriff's Department. The "No Trespassing" letter shall remain on file throughout construction and operation of the project.	SOCIO	SOCIO-1	Complete			
470	At least 30 days prior to the start of construction, the project owner shall provide a copy of the letter to the Colorado River Station of the Riverside County Sheriff's Department for review and to the CPM for review and approval.	SOCIO	SOCIO-1	Complete			
471	AT least 60 days prior to start of construction of the BSPP and all related facilities, the project owner shall develop and implement and submit to the County of Riverside, City of Blythe, and BLM Operations Manager for review and approval a parking and staging plan for all phases of project construction to ensure that all project- related parking occurs on-site or in designated off-site parking areas.	TRANS	TRANS-1	Complete			
472	**At least 60 calendar days prior to the start of construction** of the Blythe Solar Power Project (BSPP) the project owner shall prepare and submit a Traffic Control Plan (TCP) for the Blythe Solar Power Project construction and operation traffic to the County of Riverside and the Department of Transportation (Caltrans) District 8 office for review and comment and to the CPM for review and approval. The project owner shall also provide the CPM with a copy of the transmittal letter to the County of Riverside and the Department of Transportation (Caltrans) District 8 office requesting review and comment. The TCP shall address the movement of workers, vehicles, and materials, including arrival and departure schedules, and designated workforce and delivery routes that will be implemented during construction	TRANS	TRANS-2	Complete			
473	The project owner shall consult with the County of Riverside and the Department of Transportation (Caltrans) District 8 office in the preparation and implementation of the Traffic Control Plan and shall submit the proposed Traffic Control Plan to the County of Riverside and the Department of Transportation (Caltrans) District 8 office in sufficient time for review and comment and to the Energy Commission Compliance Project Manager (CPM) for review and approval prior to the proposed start of construction and implementation of the plan.	TRANS	TRANS-2	Ongoing			

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474	At least 30 calendar days prior to the start of construction the project owner shall provide a copy of any written comments from the County of Riverside and the Department of Transportation (Caltrans) District 8 office and any changes to the Traffic Control Plan to the CPM prior to the proposed start of construction for review and approval.	TRANS	TRANS-2	Complete			
475	LIMITATIONS ON VEHICLE SIZE AND WEIGHT The project owner shall comply with limitations imposed by Caltrans District 8 office and other relevant jurisdictions including County of Riverside and City of Blythe on vehicle sizes and weights.	TRANS	TRANS-3	Ongoing			
476	The project owner or its contractor shall obtain necessary transportation permits from Caltrans and all relevant jurisdictions for use of roadways. At least 30 calendar days prior to the start of construction, the project owner shall provide copies of permits obtained from either the County of Riverside or the Caltrans District 8 office to the CPM.	TRANS	TRANS-3	Ongoing			
477	In the Monthly Compliance Reports (MCRs), the project owner shall submit copies of any permits received during that reporting period.	TRANS	TRANS-3	Ongoing			
478	In addition, the project owner shall retain copies of these permits and supporting documentation in its compliance file for at least six months after the start of commercial operation.	TRANS	TRANS-3	Ongoing			
479	ENCROACHMENT INTO PUBLIC RIGHTS OF WAY The project owner or its contractor shall comply with Caltrans and other relevant jurisdictions' limitations for encroachment into public rights-of-way and shall obtain necessary encroachment permits from Caltrans and all relevant jurisdictions.	TRANS	TRANS-4	Ongoing			
480	In the monthly compliance reports (MCRs), the project owner shall submit copies of permits received during the reporting period. In addition, the project owner shall retain copies of these permits and supporting documentation in its compliance file for at least six months after the start of commercial operation.	TRANS	TRANS-4	Ongoing			
481	**RESTORATION OF ALL PUBLIC ROADS, EASEMENTS, AND RIGHTS-OF-WAY** The project owner shall restore all public roads, easements, and rights-of-way that have been damaged due to project-related construction activities to original or near-original condition in a timely manner, as directed by the CPM, in consultation with the County of Riverside. Repairs and restoration of access roads may be required at any time during the construction phase of the project to assure public safety.	TRANS	TRANS-5	Ongoing			
482	Prior to the start of site mobilization, the project owner shall consult with the County of Riverside and Caltrans District 8 and notify them of the proposed schedule for project construction. The purpose of this notification is to request that the County of Riverside and Caltrans consider postponement of public right-of-way repair or improvement activities in areas affected by project construction until construction is completed and to coordinate with the project owner regarding any concurrent construction-related activities that are planned or in progress and cannot be postponed.	TRANS	TRANS-5	Ongoing			
483	At least 30 days prior to the start of mobilization, the project owner shall photograph or videotape all affected public roads, easements, and right-of-way segments and/or intersections and shall provide the CPM, the affected local jurisdictions and Caltrans (if applicable) with a copy of these images. The project owner shall rebuild, repair and maintain all public roads, easements, rights-of-way in a usable condition throughout the construction phase of the project.	TRANS	TRANS-5	Complete			No roads need repairing

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484	Within 60 calendar days after completion of construction, the project owner shall meet with the CPM, the County of Riverside and Caltrans District 8 to identify sections of public right-of-way to be repaired. At that time, the project owner shall establish a schedule to complete the repairs and to receive approval for the action(s). Following completion of any public right-of-way repairs, the project owner shall provide a letter signed by the County of Riverside and Caltrans District 8 stating their satisfaction with the repairs to the CPM.	TRANS	TRANS-5	Complete			No roads need repairing
485	SECURING PERMITS/LICENSES TO TRANSPORT HAZARDOUS MATERIALS The project owner shall ensure that permits and/or licenses are secured from the California Highway Patrol and Caltrans for the transport of hazardous materials.	TRANS	TRANS-6	Ongoing			
486	The project owner shall include in its Monthly Compliance Reports, copies of all permits/licenses acquired by the project owner and/or subcontractors concerning the transport of hazardous substances.	TRANS	TRANS-6	Ongoing			
487	The project owner shall prepare an Avigation Easement in accordance with Appendix D of the California Airport Land Use Planning Handbook and have it signed by the Bureau of Land Management. At least 60 days prior to the start of construction, the project owner shall submit a BLM-signed avigation easement to the CPM for review and approval. Once approved by the CPM, applicant shall send the Avigation Easement to the Riverside County Land Use Commission staff for review and recording purposes. Once recorded, applicant shall send a copy of the recorded document to the CPM.	TRANS	TRANS-8	Ongoing			
488	Throughout the construction and operation of the project, the project owner shall document, investigate, evaluate, and attempt to resolve all project-related glare complaints. The project owner or authorized agent shall: • Use the Complaint Resolution Form (below), or functionally equivalent procedure acceptable to the CPM, to document and respond to each complaint. • Attempt to contact the person or persons making the complaint within 24 hours. If not contacted within 24hours, attempt to contact the person or persons for a reasonable time period, to be determined by the CPM. • Conduct an investigation to determine the source of glare related to the complaint. • If the glare is project related, take all feasible measures to reduce the glare at its source. • As soon as the complaint has been resolved to the complainant's satisfaction, submit to the CPM a report in which the complaint as well as the actions taken to resolve the complaint are documented. The report shall include (1) a complaint summary, including the name and address of the complainant; (2) final results of glare reduction efforts; and (3) a signed statement by the complainant, if obtainable, in which complainant states that the glare problem is resolved to his or her satisfaction.	TRANS	TRANS-10	Ongoing			
489	**:** Within five business days of receiving a glare complaint, the project owner shall file with the City of Blythe Development Services Department, the Riverside County Planning Department, and the CPM a copy of the Glare Complaint Resolution Form, documenting the resolution of the complaint. If mitigation is required to resolve a complaint and the complaint is not resolved within three business days, the project owner shall submit an updated Glare Complaint Resolution Form when the mitigation is implemented.	TRANS	TRANS-10	Ongoing			

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490	At least 30 days prior to the start of transmission line mobilization, the project owner shall provide a construction plan for review and approval. The plan shall identify measures to be taken to mark and light the lines and poles beneath runway approaches, typical pattern entry corridors, and typical departure routes pursuant to criteria included in FAAC 70/7460-1K. In addition, the plan shall identify the number and location of poles that are subject to the criteria and the exact measures to be taken to properly mark and light the poles in conformance with FAAC 70/7460.	TRANS	TRANS-11	Complete	1/9/2015		
491	Once the construction plan for the transmission line has been approved and implemented, the project owner shall provide documentation showing completion of the transmission line, including the required marking and lighting measures.	TRANS	TRANS-11	Ongoing			
492	The project owner shall use textured glass or anti-reflective coating on all photovoltaic (PV) solar panels. At least 30 days prior to construction of PV panels, the project owner shall provide documentation that textured glass or anti- reflective coating will be used on all PV solar panels.	TRANS	TRANS-12	Ongoing			
493	The project owner shall construct all exposed PV panel support structures with matte or non-reflective surfaces. At least 30 days prior to installation of PV panel supports, the project owner shall provide documentation showing that matte or non- reflective surfaces will be used on all PV panel support structures.	TRANS	TRANS-13	Ongoing			
494	The project owner shall treat the surfaces of all project structures and buildings visible to the public such that: a) their colors minimize visual intrusion and contrast by blending with (matching) the existing characteristic landscape colors; b) their colors and finishes do not create excessive glare; and (c) their colors and finishes are consistent with local policies and ordinances. The transmission line conductors shall be non- specular and non-reflective, and the insulators shall be non-reflective and non-	VIS	VIS-1	Ongoing			
495	The project owner shall not specify to the vendors the treatment of any buildings or structures treated during manufacture, or perform the final treatment on any buildings or structures treated in the field, until the project owner receives notification of approval of the treatment plan by the CPM. Subsequent modifications to the treatment plan are prohibited without CPM approval.	VIS	VIS-1	Ongoing			
496	**At least 90 days prior** to specifying to the vendor the colors and finishes of the first structures or buildings that are surface treated during manufacture, and following in-field consultation with the Energy Commission/BLM Visual Resources specialist and other representatives as deemed necessary, the project owner **shall submit the proposed treatment plan to the CPM for review and approval a**nd simultaneously to Riverside County for review and comment. If the CPM determines that the plan requires revision, the project owner shall provide to the CPM a plan with the specified revision(s) for review and approval by the CPM before any treatment is applied. The treatment plan shall include those items listed in VIS-1. Any modifications to the treatment plan must be submitted to the CPM for approval.	VIS	VIS-1	Ongoing			
497	Prior to the start of commercial operation, the project owner shall notify the CPM that surface treatment of all listed structures and buildings has been completed and they are ready for inspection and shall submit to each one set of electronic color photographs from the project KOPs. The project owner shall provide a status report regarding surface treatment maintenance in the Annual Compliance Report. The report shall specify a): the condition of the surfaces of all structures and buildings at the end of the reporting year; b) maintenance activities that occurred during the reporting year; and c) the schedule of major maintenance activities for the next year.	VIS	VIS-1	Ongoing			
498	The project owner shall revegetate disturbed soil areas to the greatest practical extent, as described in Condition of Certification **BIO-8**. In order to address specifically visual concerns, the required closure, Revegetation and Rehabilitation Plan shall include reclamation of the area of disturbed soils used for laydown, project construction, and siting of the other ancillary operation and support structures.	VIS	VIS-2	Ongoing			Refer to Condition of Certification **BIO-8**.

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499	To the extent feasible, consistent with safety and security considerations, the project owner shall design and install all permanent exterior lighting and all temporary construction lighting such that a) lamps and reflectors are not visible from beyond the project site, including any off-site security buffer areas; b) lighting does not cause excessive reflected glare; c) direct lighting does not illuminate the nighttime sky, except for required FAA aircraft safety lighting (which should be an on-demand, audio-visual warning system that is triggered by radar technology); d) illumination of the project and its immediate vicinity is minimized, and e) the plan complies with local policies and ordinances. The project owner shall submit to the CPM for review and approval and simultaneously to the County of Riverside for review and comment a lighting mitigation plan that includes the items outlined in VIS-3	VIS	VIS-3	Ongoing			
500	At least 90 days prior to ordering any permanent exterior lighting or temporary construction lighting, the project owner shall contact the CPM to discuss the documentation required in the lighting mitigation plan. At least 60 days prior to ordering any permanent exterior lighting, the project owner shall submit to the CPM for review and approval and simultaneously to the County of Riverside for review and comment a lighting mitigation plan. If the CPM determines that the plan requires revision, the project owner shall provide to the CPM a revised plan for review and approval by the CPM.	VIS	VIS-3	Ongoing			
501	The project owner shall not order any exterior lighting until receiving CPM approval of the lighting mitigation plan.	VIS	VIS-3	Ongoing			
502	Prior to commercial operation, the project owner shall notify the CPM that the lighting has been completed and is ready for inspection. If after inspection, the CPM notifies the project owner that modifications to the lighting are needed, within 30 days of receiving that notification the project owner shall implement the modifications and notify the CPM that the modifications have been completed and are ready for inspection.	VIS	VIS-3	Ongoing			
503	Within 48 hours of receiving a lighting complaint, the project owner shall provide the CPM with a complaint resolution form report as specified in the Compliance General Conditions including a proposal to resolve the complaint, and a schedule for implementation. The project owner shall notify the CPM within 48 hours after completing implementation of the proposal. A copy of the complaint resolution form report shall be submitted to the CPM within 30 days.	VIS	VIS-3	Ongoing			
504	To the extent possible, the project owner will use proper design fundamentals to reduce the visual contrast to the characteristic landscape. These include proper siting and location; reduction of visibility; repetition of form, line, color (see **VIS-1**) and texture of the landscape; and reduction of unnecessary disturbance. Design strategies to address these fundamentals will be based on the following factors:	VIS	VIS-4	Ongoing			
505	**Earthwork:** Select locations and alignments that fit into the landforms to minimize the size of cuts and fills. Avoid hauling in or hauling out of excess earth cut or fill. Avoid rounding and/or warping slopes. Retain existing rock formations, vegetation, and drainage. Tone down freshly broken rock faces with emulsions or stains. Use retaining walls to reduce the amount and extent of earthwork. Retain existing vegetation by using retaining walls or fill slopes, reducing surface disturbance, and protecting roots from damage during excavations. Avoid soil types that generate strong color contrasts. Reduce dumping or sloughing of excess earth and rock on downhill slopes.	VIS	VIS-4	Ongoing			

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506	**Vegetation Manipulation:** Retain as much of the existing vegetation as possible. Use existing vegetation to screen the development from public viewing. Use scalloped, irregular cleared edges to reduce line contrast. Use irregular clearing shapes to reduce form contrast. Feather and thin the edges of cleared areas and retain a representative mix of plant species and sizes.	VIS	VIS-4	Ongoing			
507	**Structures:** Minimize the number of structures and combine different activities in one structure. Use natural, self-weathering materials and chemical treatments on surfaces to reduce color contrast. Bury all or part of the structure. Use natural appearing forms to complement the characteristic landscape. Screen the structure from view by using natural land forms and vegetation. Reduce the line contrast created by straight edges.	VIS	VIS-4	Ongoing			
508	**Linear Alignments:** Use existing topography to hide induced changes associated with roads, lines, and other linear features. Select alignments that follow landscape contours. Avoid fall-line cuts and bisecting ridge tops. Hug vegetation lines and avoid open areas such as valley bottoms. Cross highway corridors at less sharp angles.	VIS	VIS-4	Ongoing			
509	**Reclamation and Restoration:** Reduce the amount of disturbed area and blend the disturbed areas into the characteristic landscape. Replace soil, brush, rocks, and natural debris over disturbed area. Newly introduced plant species should be of a form, color, and texture that blends with the landscape.	VIS	VIS-4	Ongoing			
510	As early as possible in the site and facility design, the project owner shall meet with BLM's Authorized Office and the CPM to discuss incorporation of these above factors into the design plans. At least 90 days prior to final site and facility design, the project owner shall contact the CPM to review the incorporation of the above factors into the final facility and site design plans. If the CPM determines that the site and facility plans require revision, the project owner shall provide to the CPM a revised plan for review and approval by the CPM.	VIS	VIS-4	Ongoing			
510	The project owner shall submit, for CBO design review and approval, the proposed final design, specifications and calculations for each plant major piping and plumbing system listed in Facility Design Table 2, condition of certification GEN-2, above.	Design	MECH-1	Ongoing			See MECH-1 for details
510	The responsible mechanical engineer shall stamp and sign all plans, drawings, and calculations for the major piping and plumbing systems, subject to CBO design review and approval, and submit a signed statement to the CBO when the proposed piping and plumbing systems have been designed, fabricated, and installed in accordance with all of the applicable laws, ordinances, regulations and industry standards.	Plans	MECH-2	Ongoing			See MECH-2 for details.
510	The CBO may deputize inspectors to carry out the functions of the code enforcement agency.	Mechanical	Mech-2	Ongoing			
510	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of major piping or plumbing construction listed in **Facility Design Table 2**, condition of certification **GEN-2,** above, the project owner shall submit to the CBO for design review and approval the final plans, specifications, and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with applicable LORS, and **shall send the CPM a copy of the transmittal letter in the next monthly compliance report.**	Design	MECH-2	Ongoing			

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510	The project owner shall transmit to the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	Inspection	MECH-3	Ongoing			
510	The project owner shall submit to the CBO for design review and approval the design plans, specifications, calculations, and quality control procedures for any heating, ventilating, air conditioning (HVAC) or refrigeration system. Packaged HVAC systems, where used, shall be identified with the appropriate manufacturer's data sheets.	Design	MECH-3	Ongoing			
510	The project owner shall design and install all HVAC and refrigeration systems within buildings and related structures in accordance with the CBC and other applicable codes. Upon completion of any increment of construction, the project owner shall request the CBO's inspection and approval of that construction.	Mechanical	MECH-3	Ongoing			The final plans, specifications and calculations shall include approved criteria, assumptions, and methods used to develop the design. In addition, the responsible mechanical engineer shall sign and stamp all plans, drawings and calculations and submit a signed statement to the CBO that the proposed final design plans, specifications and calculations conform with the applicable LORS.
510	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of construction of any HVAC or refrigeration system, the project owner shall submit to the CBO the required HVAC and refrigeration calculations, plans, and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the CBC and other applicable codes, with a copy of the transmittal letter to the CPM.	Refrigeration	MECH-3	Ongoing			
510	Prior to the start of any increment of electrical construction for all electrical equipment and systems over 240 Volts (V) (see a representative list, below), with the exception of underground duct work and any physical layout drawings and drawings not related to code compliance and life safety, the project owner shall submit, for CBO design review and approval, the proposed final design, specifications, and calculations. Upon approval, the above listed plans, together with design changes and design change notices, shall remain on the site or at another accessible location for the operating life of the project. The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS. All transmission facilities (lines, switchyards, switching stations, and substations) are handled in conditions of certification in the Transmission System Engineering section of this document.	Electrical	ELEC-1	Ongoing			Design submitted and approved
510	Final plant design plans shall include: 1. one-line diagrams for the 34.5 kV systems and typical one-line diagrams for all systems under 34.5 kV and over 240 V systems; and 2. system grounding drawings.	Electrical	ELEC-1	Ongoing			
510	Final plant calculations must establish: 1. short-circuit ratings of plant equipment; 2. ampacity of feeder cables; 3. voltage drop in feeder cables; 4. system grounding requirements; 5. coordination study calculations for fuses, circuit breakers and protective relay settings for all AC systems under 34.5 kV and over 240 V; 6. system grounding requirements; and 7. lighting energy calculations.	Electrical	ELEC-1	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
510	The following activities shall be reported to the CPM in the monthly compliance report: 1. Receipt or delay of major electrical equipment; 2. Testing or energization of major electrical equipment; and 3. A signed statement by the registered electrical engineer certifying that the proposed final design plans and specifications conform to requirements set forth in the Energy Commission decision.	Electrical	ELEC-1	Ongoing			
510	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of each increment of electrical construction, the project owner shall submit to the CBO for design review and approval the above listed documents. The project owner shall include in this submittal a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS, and shall send the CPM a copy of the transmittal letter in the next monthly compliance report.	Electrical	ELEC-1	Complete			
510	Prior to the start of construction of transmission facilities, the project owner shall provide the Compliance Project Manager (CPM) and the Chief Building Official (CBO) with a schedule of transmission facility design submittals, a master drawing list, a master specifications list, and a major equipment and structure list. The schedule shall contain both a description and a list of proposed submittal packages for design, calculations, and specifications for major structures and equipment. To facilitate audits by Energy Commission staff, the project owner shall provide designated packages to the CPM when requested.	Transmission	TSE-1	Complete			
510	Before the start of construction, the project owner shall assign to the project an electrical engineer and at least one of each of the following: a. a civil engineer; b. a geotechnical engineer or a civil engineer experienced and knowledgeable in the practice of soils engineering; c. a design engineer who is either a structural engineer or a civil engineer and fully competent and proficient in the design of power plant structures and equipment supports; or d. a mechanical engineer (Business and Professions Code, § 6704 et seq. require state registration to practice as either a civil engineer or a structural engineer in California).	Transmission	TSE-2	Ongoing			
510	The tasks performed by the civil, mechanical, electrical, or design engineers may be divided between two or more engineers as long as each engineer is responsible for a particular segment of the project, e.g., proposed earthwork, civil structures, power plant structures, or equipment support. No segment of the project shall have more than one responsible engineer. The transmission line may be the responsibility of a separate California registered electrical engineer. The civil, geotechnical, or civil and design engineer, assigned as required by Facility Design Condition of Certification GEN-5, may be responsible for design and review of the Transmission System Engineering facilities.	Transmission	TSE-2	Complete			
510	The project owner shall submit to the CBO, for review and approval, the names, qualifications, and registration numbers of all engineers assigned to the project. If any one of the designated engineers is subsequently reassigned or replaced, the project owner shall submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify the CPM of the CBO's approval of the new engineer. This engineer shall be authorized to halt earth work and require changes if site conditions are unsafe or do not conform with the predicted conditions used as the basis for design of earth work or foundations.	Transmission	TSE-2	Ongoing			

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510	The electrical engineer shall: a. be responsible for the electrical design of the power plant switchyard, outlet, and termination facilities; and b. sign and stamp electrical design drawings, plans, specifications, and calculations.	Transmission	TSE-2	Complete			
510	Prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers assigned to the project. The project owner shall notify the CPM of the CBO's approvals of the engineers within five (5) days of the approval.	Transmission	TSE-2	Ongoing			
510	If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five (5) days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify the CPM of the CBO's approval of the new engineer within five (5) days of the approval.	Transmission	TSE-2	Ongoing			
510	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend corrective action (2001 California Building Code, Chapter 1, § 108.4, approval required; Chapter 17, § 1701.3, *Duties and Responsibilities of the Special Inspector;* Appendix, Chapter 33, § 3317.7, *Notification of Noncompliance*). The discrepancy documentation shall become a controlled document and shall be submitted to the CBO for review and approval, with reference to this condition of certification.	Transmission	TSE-3	Ongoing			
510	The project owner shall submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM within 15 days of receipt. If disapproved, the project owner shall advise the CPM, within five (5) days, the reason for the disapproval, along with the revised corrective action required to obtain the CBO's approval.	Transmission	TSE-3	Ongoing			
510	For the power plant switchyard, outlet line, and termination, the project owner shall not begin any construction until plans for that increment of construction have been approved by the CBO. These plans, together with design changes and design change notices, shall remain on the site for one (1) year after completion of construction. The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS. The following activities shall be reported in the **Monthly Compliance Report:** a. receipt or delay of major electrical equipment; b. testing or energization of major electrical equipment; and c. the number of electrical drawings approved, submitted for approval, and still to be submitted.	Transmission	TSE-4	Ongoing			
510	Prior to the start of each increment of construction, the project owner shall submit to the CBO for review and approval the final design plans, specifications, and calculations for equipment and systems of the power plant switchyard, outlet line, and termination, including a copy of the signed and stamped statement from the responsible electrical engineer verifying compliance with all applicable LORS. The project owner shall send the CPM a copy of the transmittal letter in the next Monthly Compliance Report.	Transmission	TSE-4	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
510	The project owner shall ensure that the design, construction, and operation of the proposed transmission facilities will conform to all applicable LORS, and the requirements listed below. The project owner shall submit the required number of copies of the design drawings and calculations, as determined by the CBO.	Transmission	TSE-5	Ongoing			
510	The power plant outlet line shall meet or exceed the electrical, mechanical, civil, and structural requirements of CPUC General Order 95 or National Electric Safety Code (NESC); Title 8 of the California Code and Regulations (Title 8); Articles 35, 36 and 37 of the High Voltage Electric Safety Orders, California ISO standards, National Electric Code (NEC) and related industry standards.	Transmission	TSE-5	Ongoing			
510	Breakers and busses in the power plant switchyard and other switchyards, where applicable, shall be sized to comply with a short-circuit analysis.	Transmission	TSE-5	Ongoing			
510	Outlet line crossings and line parallels with transmission and distribution facilities shall be coordinated with the transmission line owner and comply with the owner's standards.	Transmission	TSE-5	Ongoing			
510	The project conductors shall be sized to accommodate the full output of the project.	Transmission	TSE-5	Ongoing			
510	Termination facilities shall comply with applicable SCE interconnection standards.	Transmission	TSE-5	Ongoing			
510	The project owner shall provide to the CPM: a. The Special Protection System (SPS) sequencing and timing if applicable, b. A letter stating that the mitigation measures or projects selected by the transmission owners for each reliability criteria violation, for which the project is responsible, are acceptable, c. The final Phase II Interconnection Study, including a description of facility upgrades, operational mitigation measures, and/or special protection system sequencing and timing if applicable; and d. A copy of the executed LGIA signed by the California ISO and the project owner.	Transmission	TSE-5	Ongoing			
510	Prior to the start of construction of transmission facilities, the project owner shall submit to the CBO for approval:Design drawings, specifications, and calculations conforming with CPUC General Order 95 or National Electric Safety Code (NESC); Title 8 of the California Code and Regulations (Title 8); Articles 35, 36 and 37 of the High Voltage Electric Safety Orders, CA ISO standards, National Electric Code (NEC) and related industry standards, for the poles/towers, foundations, anchor bolts, conductors, grounding systems, and major switchyard equipment;	Transmission	TSE-5	Ongoing			
510	For each element of the transmission facilities identified above, the submittal package to the CBO shall contain the design criteria, a discussion of the calculation method(s), a sample calculation based on "worst case conditions"7 and a statement signed and sealed by the registered engineer irresponsible charge, or other acceptable alternative verification, that the transmission element(s) will conform with CPUC General Order 95 or National Electric Safety Code (NESC); Title 8 of the California Code and Regulations (Title 8); Articles 35, 36 and 37 of the High Voltage Electric Safety Orders, California ISO standards, National Electric Code (NEC), and related industry standards	Transmission	TSE-5	Ongoing			
510	Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in charge, a route map, and an engineering description of the equipment and configurations covered by requirements TSE-5 a) through f), above;	Transmission	TSE-5	Ongoing			

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510	The project owner shall provide the following notice to the California ISO prior to synchronizing the facility with the California Transmission System: a. At least one (1) week prior to synchronizing the facility with the grid for testing, provide the California ISO a letter stating the proposed date of synchronization; and b. At least one business day prior to synchronizing the facility with the grid for testing, provide telephone notification to the California ISO Outage Coordination Department.	Transmission	TSE-6	Ongoing			
510	The project owner shall provide copies of the California ISO letter to the CPM when it is sent to the California ISO one (1) week prior to initial synchronization with the grid. The project owner shall contact the California ISO Outage Coordination Department, (Monday through Friday, between the hours of 0700 and 1530, at (916) 351-2300) at least one (1) business day prior to synchronizing the facility with the grid for testing. A report of conversation with the California ISO shall be provided electronically to the CPM one day before synchronizing the facility with the California transmission system for the first time.	Transmission	TSE-6	Ongoing			
510	The project owner shall be responsible for the inspection of the transmission facilities during and after project construction, and any subsequent CPM and CBO approved changes thereto, to ensure conformance with: CPUC GO-95 or NESC; Title 8 CCR; Articles 35, 36, and 37 of the High Voltage Electric Safety Orders; applicable interconnection standards; NEC; and related industry standards. In caseof nonconformance, the project owner shall inform the CPM and CBO in writing within 10 days of discovering such nonconformance and describe the corrective actions to be taken.	Transmission	TSE-7	Ongoing			
510	Within 60 days after first synchronization of the project, the project owner shall transmit to the CPM and CBO: “As built” engineering description(s) and one-line drawings of the electrical portion of the facilities signed and sealed by the registered electrical engineer in responsible charge. A statement attesting to conformance with CPUC GO- 95 or NESC; Title 8 CCR,; Articles 35, 36, and 37 of the High Voltage Electric Safety Orders; applicable interconnection standards; NEC; and related industry standards.	Transmission	TSE-7	Ongoing			
510	An “as built” engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer in responsible charge or acceptable alternative verification. “As built” drawings of the electrical, mechanical, structural, and civil portion of the transmission facilities shall be maintained at the power plant and made available, if requested, for CPM audit as set forth in the “Compliance Monitoring Plan.”	Transmission	TSE-7	Ongoing			
510	A summary of inspections of the completed transmission facilities and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer in charge.	Transmission	TSE-7	Ongoing			

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510	The project owner shall construct the proposed transmission line according to the requirements of California Public Utility Commission's GO-95, GO-52, GO-131-D, Title 8, and Group 2. High Voltage Electrical Safety Orders, sections 2700 through 2974 of the California Code of Regulations, and Southern California Edison's Electric's EMF reduction guidelines. The project will follow Southern California Edison's EMF resign guideline for the design and construction of the 230-kV interconnection line except where it conflicts with Federal Aviation Agency (FAA) and/or the Riverside County Airport Land Use Commission (RCALUC) rules and regulations.	Transmission	TLSN-1	Ongoing			
510	At least 30 days before starting construction of the transmission line or related structures and facilities, the project owner shall submit to the Compliance Project Manager (CPM) a letter signed by a California registered electrical engineer affirming that the lines will be constructed according to the requirements stated in the condition.	Transmission	TLSN-1	Ongoing			
510	The project owner shall ensure that every reasonable effort will be made to identify and correct, on a case-specific basis, any complaints of interference with radio or television signals from operation of the project related line and associated switchyards.	Transmission	TLSN-2	Ongoing			
510	All reports of line-related complaints shall be summarized for the project-related lines and included during the first five years of plant operation in the Annual Compliance Report.	Transmission	TLSN-2	Ongoing			
510	The project owner shall use a qualified individual to measure the strengths of the electric and magnetic fields from the line at the points of maximum intensity along the route for which the Applicant provided specific estimates. The measurements shall be made before and after energization according to the American National standardinstitute/Institute of Electrical and Electronic Engineers (ANSI/IEEE) standard procedures. These measurements shall be completed no later than 6 months after the start of operations.	Transmission	TLSN-3	Ongoing			
510	The project owner shall file copies of the pre-and post energization measurements with the CPM within 60 days after completion of the measurements.	Transmission	TLSN-3	Ongoing			
510	The project owner shall ensure that the rights-of-way of the proposed transmission line are kept free of combustible material, as required under the provisions of section 4292 of the Public Resources Code and section 1250 of Title 14 of the California Code of Regulations.	Transmission	TLSN-4	Ongoing			
510	During the first five years of plant operation, the project owner shall provide a summary of inspection results and any fire prevention activities carried out along the right-of-way and provide such summaries in the Annual Compliance Report.	Transmission	TLSN-4	Ongoing			
510	The project owner shall ensure that all permanent metallic objects within the right-of-way of the project-related lines are grounded according to industry standards regardless of ownership.	Transmission	TLSN-5	Ongoing			
510	At least 30 days before the lines are energized, the project owner shall transmit to the CPM a letter confirming compliance with this condition.	Transmission	TLSN-5	Ongoing			
510	The project owner shall design, construct, and inspect the project in accordance with the 2010 California Building Standards Code (CBSC), also known as Title 24, California Code of Regulations.In the event that the initial engineering designs are submitted to the CBO when the successor to the 2010 CBSC is in effect, the 2010 CBSC provisions shall be replaced with the applicable successor provisions. The project owner shall ensure that all contracts with contractors, subcontractors, and suppliers clearly specify that all work performed and materials supplied comply with the codes listed above	Occupancy	GEN-1	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
510	Within 30 days following receipt of the certificate of occupancy, the project owner shall submit to the CPM a statement of verification, signed by the responsible design engineer, attesting that all designs, construction, installation, and inspection requirements of the applicable LORS and the Energy Commission's decision have been met in the area of facility design. The project owner shall provide the CPM a copy of the certificate of occupancy within 30 days of receipt from the CBO.	Occupancy	GEN-1	Ongoing			
510	Once the certificate of occupancy has been issued, the project owner shall inform the CPM at least 30 days prior to any construction, addition, alteration, moving, demolition, repair, or maintenance to be performed on any portion(s) of the completed facility that requires CBO approval for compliance with the above codes. The CPM will then determine if the CBO needs to approve the work.	Occupancy	GEN-1	Ongoing			
510	At least 60 days (or a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO and to the CPM the schedule, the master drawing and master specifications lists of documents to be submitted to the CBO for review and approval.	Drawings and Specifications	GEN-2	Ongoing			Complete
510	The project owner shall make payments to the CBO for design review, plan checks, and construction inspections, based upon a reasonable fee schedule to be negotiated between the project owner and the CBO.	Payments	GEN-3	Ongoing			
510	Prior to the start of rough grading, the project owner shall assign a California- registered architect, or a structural or civil engineer, as the resident engineer (RE) in charge of the project.	Engineering	GEN-4	Ongoing			
510	The RE may delegate responsibility for portions of the project to other registered engineers. Registered mechanical and electrical engineers may be delegated responsibility for mechanical and electrical portions of the project, respectively. A project may be divided into parts, provided that each part is clearly defined as a distinct unit. Separate assignments of general responsibility may be made for each designated part.	Engineering	GEN-4	Ongoing			
510	The RE shall: 1. Monitor progress of construction work requiring CBO design review and inspection to ensure compliance with LORS; 2. Ensure that construction of all facilities subject to CBO design review and inspection conforms in every material respect to applicable LORS, these conditions of certification, approved plans, and specifications; 3. Prepare documents to initiate changes in approved drawings and specifications when either directed by the project owner or as required by the conditions of the project; 4. Be responsible for providing project inspectors and testing agencies with complete and up-to-date sets of stamped drawings, plans, specifications, and any other required documents; 5. Be responsible for the timely submittal of construction progress reports to the CBO from the project inspectors, the contractor, and other engineers who have been delegated responsibility for portions of the project; and 6. Be responsible for notifying the CBO of corrective action or the dispositiohall include (1) a complaint summary, including the name and address of the complainant; (2) final results of glare reduction efforts; and (3) a signed statement by the complainant, if obtainable, in which complainant states that the glare problem	Engineering	GEN-4	Ongoing			

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510	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, the resume and registration number of the RE and any other delegated engineers assigned to the project. The project owner shall notify the CPM of the CBO's approvals of the RE and other delegated engineer(s) within five days of the approval.	Engineering	GEN-4	Ongoing			
510	Prior to the start of rough grading, the project owner shall assign at least one of each of the following California registered engineers to the project: a civil engineer; a soils, geotechnical, or civil engineer experienced and knowledgeable in the practice of soils engineering; and an engineering geologist.	Engineering	GEN-5	Ongoing			
510	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer and engineering geologist assigned to the project.	Engineering	GEN-5	Ongoing			
510	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of construction, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible design engineer, mechanical engineer, and electrical engineer assigned to the project.	Engineering	GEN-5	Ongoing			
510	The project owner shall notify the CPM of the CBO's approvals of the responsible engineers within five days of the approval.	Engineering	GEN-5	Ongoing			
510	If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify the CPM of the CBO's approval of the new engineer within five days of the approval.	Engineering	GEN-5	Ongoing			
510	Prior to the start of an activity requiring special inspection, including prefabricated assemblies, the project owner shall assign to the project, qualified and certified special inspector(s) who shall be responsible for the special inspections required by the 2010 CBC.	Engineering	GEN-6	Ongoing			
510	A certified weld inspector, certified by the American Welding Society (AWS), and/or American Society of Mechanical Engineers (ASME) as applicable, shall inspect welding performed on-site requiring special inspection (including structural, piping, tanks and pressure vessels).	Engineering	GEN-6	Ongoing			
510	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of an activity requiring special inspection, the project owner shall submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications of the certified weld inspector(s), or other certified special inspector(s) assigned to the project to perform one or more of the duties set forth above. The project owner shall also submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors in the next monthly compliance report.	Engineering	GEN-6	Ongoing			
510	If the special inspector is subsequently reassigned or replaced, the project owner has five days in which to submit the name and qualifications of the newly assigned special inspector to the CBO for approval. The project owner shall notify the CPM of the CBO's approval of the newly assigned inspector within five days of the approval.	Engineering	GEN-6	Ongoing			
510	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend required corrective actions. The discrepancy documentation shall be submitted to the CBO for review and approval.	Engineering	GEN-7	Ongoing			
510	The project owner shall obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. The project owner shall request the CBO to inspect the completed structure and review the submitted documents. The project owner shall notify the CPM after obtaining the CBO's final approval.	Inspection	GEN-8	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
510	Within 15 days of the completion of any work, the project owner shall submit to the CBO, with a copy to the CPM, in the next monthly compliance report, (a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans.	Engineering	GEN-8	Ongoing			
510	Within 90 days of the completion of construction, the project owner shall provide to the CBO three sets of electronic copies of the above documents at the project owner's expense. These are to be provided in the form of "read only" (Adobe .pdf 6.0) files, with restricted (password-protected) printing privileges, on archive quality compact discs	Engineering	GEN-8	Ongoing			
510	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of site grading the project owner shall submit: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications, signed and stamped by the responsible civil engineer; and 4. Soils, geotechnical, or foundation investigations reports required by the 2010 CBC. to the CBO for design review and approval.	CIVIL	CIVIL-1	Ongoing			
510	In the next monthly compliance report following the CBO's approval, the project owner shall submit a written statement certifying that the documents have been approved by the CBO	CIVIL	CIVIL-1	Ongoing			
510	The project owner shall notify the CPM within 24 hours, when earthwork and construction is stopped as a result of unforeseen adverse geologic/soil conditions. Within 24 hours of the CBO's approval to resume earthwork and construction in the affected areas, the project owner shall provide to the CPM a copy of the CBO's approval.	Geology	CIVIL-2	Ongoing			
510	The project owner shall perform inspections in accordance with the 2010 CBC. All plant site-grading operations, for which a grading permit is required, shall be subject to inspection by the CBO.	CIVIL	CIVIL-3	Ongoing			
510	If, in the course of inspection, it is discovered that the work is not being performed in accordance with the approved plans, the discrepancies shall be reported immediately to the resident engineer, the CBO, and the CPM. The project owner shall prepare a written report, with copies to the CBO and the CPM, detailing all discrepancies, non-compliance items, and the proposed corrective action.	CIVIL	CIVIL-3	Ongoing			
510	Within five days of the discovery of any discrepancies, the resident engineer shall transmit to the CBO and the CPM a non-conformance report (NCR), and the proposed corrective action for review and approval. Within five days of resolution of the NCR, the project owner shall submit the details of the corrective action to the CBO and the CPM. A list of NCRs, for the reporting month, shall also be included in the following monthly compliance report.	CIVIL	CIVIL-3	Ongoing			
510	Within 30 days (or project owner- and CBO-approved alternative time frame) of the completion of the erosion and sediment control mitigation and drainage work, the project owner shall submit to the CBO, for review and approval, the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans, and that the facilities are adequate for their intended purposes, along with a copy of the transmittal letter to the CPM.	Erosion and Sediment Control	CIVIL-4	Ongoing			
510	The project owner shall submit a copy of the CBO's approval to the CPM in the next monthly compliance report.	Erosion and Sediment Control	CIVIL-4	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
510	Prior to the start of any increment of construction of any major structure or component listed in Facility Design Table 2 of condition of certification GEN-2, above, the project owner shall submit to the CBO for design review and approval the proposed lateral force procedures for project structures and the applicable designs, plans and drawings for project structures. Proposed lateral force procedures, designs, plans and drawings shall be those for the following items (from Table 2, above): 1. Major project structures; 2. Major foundations, equipment supports, and anchorage; and 3. Large field-fabricated tanks. Construction of any structure or component shall not begin until the CBO has approved the lateral force procedures to be employed in designing that structure or component.	Structural	STRUC-1	Ongoing			
510	At least 60 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in Facility Design Table 2 of condition of certification GEN-2, above, the project owner shall submit to the CBO the above final design plans, specifications and calculations, with a copy of the transmittal letter to the CPM.	Plans	STRUC-1	Ongoing			
510	The project owner shall submit to the CPM, in the next monthly compliance report, a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.	Compliance	STRUCT-1	Ongoing			
510	The project owner shall submit to the CBO the required number of sets of the following documents related to work that has undergone CBO design review and approval: 1. Concrete cylinder strength test reports (including date of testing, date sample taken, design concrete strength, tested cylinder strength, age of test, type and size of sample, location and quantity of concrete placement from which sample was taken, and mix design designation and parameters); 2. Concrete pour sign-off sheets; 3. Bolt torque inspection reports (including location of test, date, bolt size, and recorded torques); 4. Field weld inspection reports (including type of weld, location of weld, inspection of non-destructive testing (NDT) procedure and results, welder qualifications, certifications, qualified procedure description or number (ref: AWS); and 5. Reports covering other structural activities requiring special inspections shall be in accordance with the 2010 CBC.	Engineering	STRUC-2	Ongoing			
510	If a discrepancy is discovered in any of the above data, the project owner shall, within five days, prepare and submit an NCR describing the nature of the discrepancies and the proposed corrective action to the CBO, with a copy of the transmittal letter to the CPM. The NCR shall reference the condition(s) of certification and the applicable CBC chapter and section. Within five days of resolution of the NCR, the project owner shall submit a copy of the corrective action to the CBO and the CPM.	Corrective Action	STRUC-2	Ongoing			
510	The project owner shall transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM within 15 days. If disapproved, the project owner shall advise the CPM, within five days, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	Corrective Action	STRUC-2	Ongoing			
510	The project owner shall submit to the CBO design changes to the final plans required by the 2010 CBC, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes, and shall give to the CBO prior notice of the intended filing.	Design	STRUC-3	Ongoing			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval	Comments
510	On a schedule suitable to the CBO, the project owner shall notify the CBO of the intended filing of design changes, and shall submit the required number of sets of revised drawings and the required number of copies of the other above-mentioned documents to the CBO, with a copy of the transmittal letter to the CPM.	Design	STRUC-3	Ongoing			
510	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the 2010 CBC shall, at a minimum, be designed to comply with the requirements of that chapter.	Haz Material	STRUC-4	Ongoing			
510	At least 30 days (or project owner- and CBO-approved alternate time frame) prior to the start of installation of the tanks or vessels containing the above specified quantities of toxic or hazardous materials, the project owner shall submit to the CBO for design review and approval final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	Haz Material	STRUC-4	Ongoing			
510	The project owner shall send copies of the CBO approvals of plan checks to the CPM in the following monthly compliance report. The project owner shall also transmit a copy of the CBO's inspection approvals to the CPM in the monthly compliance report following completion of any inspection.	Haz Material	STRUC-4	Ongoing			

APPENDIX B

Other Compliance Documentation

APPENDIX B-1

STRUC-1 Approvals

March 30, 2015

Blythe Solar Power Project (BSPP) – **Acceptance**
WC[3] Job No.: BSPP-STRUCT-01-01

Mary Dyas
Compliance Project Manager
California Energy Commission
Energy Facilities Siting Division
1516 Ninth Street, MS 2000
Sacramento, CA 95814-5512
Sent via email: [redacted]

Re: Plan Review: STRUC-01-01, Preliminary Pile Embedment Pull Testing Spec.
Location: Blythe Solar Power Project, Riverside County, CA

Dear Ms. Dyas:

On behalf of the California Energy Commission, West Coast Code Consultants, Inc. (WC[3]) has reviewed the documents, listed on the attached sheet, as they relate to the stated subject above.

Documents appear to be in compliance with a portion of the Condition STRUC-01, established by the California Energy Commission (CEC) Commission Decision (09-AFC-06C), dated January 2014, and have been accepted as part of the construction documents.

Accepted permit documents have been stamped and signed by WC[3] and uploaded to the WC[3] portal. Documents may be printed and utilized for construction of the Blythe Solar Power Project in Riverside County, California as agreed upon between the documentation author and NextEra Energy, Inc.

West Coast Code Consultants, Inc. (WC[3])

Reviewed By:

Giyan Senaratne, S.E., P.E., LEED AP, CASp
Delegate Chief Building Official
Structural Engineer
ICBO/ICC/IRC Plans Examiner
Principal/CEO

cc:
Kevin Quinn, Project Manager, Blattner Energy Inc. [redacted]
Keith Little, Scheduling Manager, Blattner Energy Inc. [redacted] Cynthia Harvard,
Document Control, Blattner Energy Inc. [redacted]

Documents Accepted for STRUCT-01-01 Prelim pile pull testing specs:

1. BSPP Preliminary Pile Embedment Pull Testing Specification – Document No: BSPP-0-TS-02364 dated January 16, 2015 by Worley Parsons and signed by: Y.Xu, S.Grahi and J. Bravo.

Conditions of Approval and Informational Comments:

This is a partial accetance limited to the testing activities listed within the subject report and more specifically as noted below:

1.2 Purpose

This specification defines the minimum requirements for furnishing and installing steel piles and performing uplift and lateral testing at the site. Any items herein indicated as "for bidding purposes" is to be confirmed with the forthcoming geotechnical investigation. The Contractor will perform all work in accordance with this document.

2. Please keep in mind that lateral force procedures, designs, plans and drawings are also required for all of the items listed in Facility Design Table 2 and for: 1. Major project structures, 2. Major foundations, equipment supports, and anchorage, 3. Large field fabricated tanks.

3. Pile load reports will also be required throughout the process per Article 3.3 of this report, and at the request of the CBO's delegate inspector.

If you have any questions regarding the above comments, please contact Chris Rose [redacted] via email or telephone [redacted]

[END]

APPENDIX B-2

ELEC-1 Approvals

April 02, 2015

Blythe Solar Power Project (BSPP) – **Acceptance**
WC[3] Job No.: BSPP-ELEC-01-01

Mary Dyas
Compliance Project Manager
California Energy Commission
Energy Facilities Siting Division
1516 Ninth Street, MS 2000
Sacramento, CA 95814-5512
Sent via email: [redacted]

Re: Plan Review: ELEC-01-01, 12kv Design Phase 1.
Location: Blythe Solar Power Project, Riverside County, CA

Dear Ms. Dyas:

On behalf of the California Energy Commission, West Coast Code Consultants, Inc. (WC[3]) has reviewed the documents, listed on the attached sheet, as they relate to the stated subject above.

Documents appear to be in compliance with a portion of the Condition ELEC-01, established by the California Energy Commission (CEC) Commission Decision (09-AFC-06C), dated January 2014, and have been accepted as part of the construction documents.

Accepted permit documents have been stamped and signed by WC[3] and uploaded to the WC[3] portal. Documents may be printed and utilized for construction of the Blythe Solar Power Project in Riverside County, California as agreed upon between the documentation author and NextEra Energy, Inc.

West Coast Code Consultants, Inc. (WC[3])

Reviewed By:

Giyan Senaratne, S.E., P.E., LEED AP, CASp
Delegate Chief Building Official
Structural Engineer
ICBO/ICC/IRC Plans Examiner
Principal/CEO

cc:
Kevin Quinn, Site Manager, Blythe Solar Next Era Energy Inc. [redacted]
Keith Little, Scheduling Manager, Blattner Energy Inc. [redacted]
Cynthia Harvard, Document Control, Blattner Energy Inc. [redacted]

Documents Accepted for ELEC-01-01, 12kv Design Phase 1:

1. 1 MVA Pad Mount Transformer Foundation Design Calculation dated 2/18/15 Blythe Trench Calculation dated 2/24/15
2. 12 kV Switching Cabinet Foundation Design Calculation dated 2/18/15 AC Distribution Foundation Design Calculation dated 2/18/15
3. One of Two (1 of 2) 34.5 - 230 kV Dracker Sub Bill of Material
4. 34.5 - 230 kV Dracker Substation Move on Power Distribution Plan
5. 34.5 - 230 kV Dracker Substation Move On Power Foundation Plan
6. 34.5 - 230 kV Dracker Substation Foundation Details -TF1 & DP1
7. 34.5 - 230 kV Dracker Substation Foundation Details - SC1
8. 34.5 - 230 kV Dracker Substation Move on Power Conduit Plan
9. 34.5 - 230 kV Dracker Substation Move on Power Grounding Plan

Conditions of Approval and Informational Comments:

1. This is a phased acceptance focused on the underground trenching, conduits, equipment cabinet pads, grounding and supply conductors for the 12kv power supply.
2. The "construction transformer" that is to step the 12k voltage down to 480/277V for temporary construction power shall be detailed in a later submittal as stated by the project management. In addition; the secondary overcurrent protection for the transformer's secondary conductors, shall also be addressed in the phase 2 submittal.
3. All distribution equipment ratings on the secondary side of the "construction transformer." and fault current calculations shall also be addressed in the subsequent submittals.

If you have any questions regarding the above comments, please contact Chris Rose (chrisr@wc-3.com) via email or telephone (925-275-1700).

[END]

APPENDIX C

Air Quality Requirements

APPENDIX C-1

Air Quality Monitoring Forms (AQ-SC3)

DUDEK
CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 118	
Date	*2015-04-01*
Hours of Operation - Start	*06:00:00*
Hours of Operation - End	*17:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Calm warm with breeze*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence construction*
Scraper	*0*
Grader	*1*
Loader	*0*
Forklift	*1*
Other	*2 mini excavators*
Water Trucks	*2*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual inspection*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual inspection*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*Yes*
Method of Checking Compliance	*Visual inspection*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual inspection*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*N/A*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
Method of Checking Compliance	
At least the first 500 feet of any paved public roadway exiting the construction site or exiting	*Yes*

other unpaved roads en route from the construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual inspection*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*Yes*
Method of Checking Compliance	*Spoil pile active*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual inspection*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual inspection*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

DUDEK
CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 121	
Date	*2015-04-02*
Hours of Operation - Start	*06:00:00*
Hours of Operation - End	*17:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Warm sunny breezy. Wind 5 to 15 mph*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence construction, straw wattle installation, and road compaction.*
Scraper	*0*
Grader	*2*
Loader	*0*
Forklift	*1*
Other	*2 mini excavators*
Water Trucks	*4*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual inspection*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Radar check*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
Method of Checking Compliance	
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Only one entrance*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*N/A*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting	*Yes*

other unpaved roads en route from the construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual inspection*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*Yes*
Method of Checking Compliance	*Completed Visual inspection*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual inspection*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual inspection*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

DUDEK
CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 124	
Date	*2015-04-03*
Hours of Operation - Start	*06:00:00*
Hours of Operation - End	*17:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*A good deal of sunshine high 86 F winds north 10 to 15 mph*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*CCC is compacting roads and substation. Quail Enviro installing straw wattles*
Scraper	*0*
Grader	*1*
Loader	*0*
Forklift	*0*
Other	*Tractor with disc and roller*
Water Trucks	*2*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual inspection*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Police radar gun.*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
Method of Checking Compliance	
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual inspection*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*Yes*
Method of Checking Compliance	*Wattles being installed along eastern edge of project*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting	*Yes*

other unpaved roads en route from the construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual inspection*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*Yes*
Method of Checking Compliance	*Visual inspection*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual inspection*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual inspections*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

DUDEK
CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 127	
Date	*2015-04-06*
Hours of Operation - Start	*06:00:00*
Hours of Operation - End	*16:30:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Sunny and cool. Calm in the morning with increasing winds in afternoon with 15 to 25 mph*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence construction. Surface preparation for substation*
Scraper	*0*
Grader	*2*
Loader	*0*
Forklift	*1*
Other	*2 mini excavators* *1 bobcat*
Water Trucks	*4*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual inspection*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual inspection*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Signs posted*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Only one entrance*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*N/A*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the	*Yes*

construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual inspection*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*N/A*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual inspection*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual inspection*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

DUDEK
CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 130	
Date	*2015-04-07*
Hours of Operation - Start	*06:00:00*
Hours of Operation - End	*17:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Calm sunny and cool increasing winds in the afternoon from 15 to 25 mph*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence construction in unit 1* *Site prep for substation and roads*
Scraper	*0*
Grader	*2*
Loader	*0*
Forklift	*1*
Other	*2 mini excavators* *1 bobcat*
Water Trucks	*4*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual inspection*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual inspection*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual inspection*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*N/A*
Method of Checking Compliance	
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting	*Yes*

other unpaved roads en route from the construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual inspection*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*N/A*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual inspection*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual inspection*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 132	
Date	*2015-04-08*
Hours of Operation - Start	*06:00:00*
Hours of Operation - End	*16:30:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Plentiful sunshine breezy in the AM*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence installation and compaction testing for roads and move on area*
Scraper	*0*
Grader	*2*
Loader	*0*
Forklift	*1*
Other	*2 mini excavators* *1 bobcat*
Water Trucks	*4*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual inspection*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual inspection*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Sign posted*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
Method of Checking Compliance	
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual inspection*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*N/A*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
Method of Checking Compliance	
At least the first 500 feet of any paved public	*Yes*

roadway exiting the construction site or exiting other unpaved roads en route from the construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual inspection*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*N/A*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual inspection*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual inspection*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 135	
Date	*2015-04-09*
Hours of Operation - Start	*05:30:00*
Hours of Operation - End	*16:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Sunny with light breeze. Winds 1 to 5 mph*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence construction and compaction testing for roads and lay down area*
Scraper	*1*
Grader	*2*
Loader	*0*
Forklift	*1*
Other	*2 mini excavators* *1 bobcat* *2 farm tractors*
Water Trucks	*4*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visually inspected*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual inspection*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual inspection*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*N/A*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
Method of Checking Compliance	
At least the first 500 feet of any paved public	*Yes*

roadway exiting the construction site or exiting other unpaved roads en route from the construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual inspection*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*N/A*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual inspection*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual inspection*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 138	
Date	*2015-04-13*
Hours of Operation - Start	*05:30:00*
Hours of Operation - End	*18:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Light breeze warm and sunny*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence construction, trenching for high voltage buried line along with fiber optics*
Scraper	*0*
Grader	*2*
Loader	*1*
Forklift	*1*
Other	*2 mini excavators bobcat*
Water Trucks	*4*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual inspection*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual inspection*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Only one entrance*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*N/A*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the construction site or construction staging areas	*Yes*

will be swept as needed	
Method of Checking Compliance	*Visual inspection*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*Yes*
Method of Checking Compliance	*Visual inspection*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual inspection*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual inspection*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 141	
Date	*2015-04-14*
Hours of Operation - Start	*05:30:00*
Hours of Operation - End	*17:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Sunny warm and breezy. 15 to 20 mph winds in the afternoon*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Buried 12 KV line installation. Trenching and backfilling* *Fence construction. Auger holes and installation of fence*
Scraper	*0*
Grader	*1*
Loader	*2*
Forklift	*1*
Other	*Rock screen. Trencher. 2 mini excavators.*
Water Trucks	*5*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual inspection*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual inspection*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual inspection*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*N/A*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the construction site or construction staging areas	*Yes*

will be swept as needed	
Method of Checking Compliance	*Visual inspection*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*N/A*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual inspection*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual inspection*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 144	
Date	*2015-04-15*
Hours of Operation - Start	*05:30:00*
Hours of Operation - End	*07:30:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*High winds 15 to 35 mph. Sunny and cooler*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*No construction activity. Shut down do to high winds and dust*
Scraper	*0*
Grader	*0*
Loader	*0*
Forklift	*0*
Other	*0*
Water Trucks	*0*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual inspection*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual inspection*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual inspection*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*N/A*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the construction site or construction staging areas	*Yes*

will be swept as needed	
Method of Checking Compliance	*Visual inspection*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*Yes*
Method of Checking Compliance	*Visual inspection*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual inspection*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual inspection*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 147	
Date	*2015-04-16*
Hours of Operation - Start	*05:30:00*
Hours of Operation - End	*16:30:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Cool and breezy. Ample sunshine with wind speeds from 15 to 20 mph from the north.*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence installation. Trenching for 12 KV line.*
Scraper	*0*
Grader	*2*
Loader	*2*
Forklift	*1*
Other	*2 mini excavators, power screener, bobcat*
Water Trucks	*5*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual inspection*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual inspection*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual inspection*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual inspection*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*N/A*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the construction site or construction staging areas	*Yes*

will be swept as needed	
Method of Checking Compliance	*Visual inspection*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*Yes*
Method of Checking Compliance	*Visual inspection*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual inspection*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual inspection*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 150	
Date	*2015-04-20*
Hours of Operation - Start	*05:30:00*
Hours of Operation - End	*17:01:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Ample sunshine with 10 to 15 mph wind from the north*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence construction, 12 KV buried line install, stringing poles*
Scraper	*0*
Grader	*2*
Loader	*2*
Forklift	*1*
Other	*2 mini excavators. 2 rubber tired hoes*
Water Trucks	*6*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*N/A*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the construction site or construction staging areas	*Yes*

will be swept as needed	
Method of Checking Compliance	*Visual*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*N/A*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 153	
Date	*2015-04-21*
Hours of Operation - Start	*05:30:00*
Hours of Operation - End	*17:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Plentiful sunshine with gusts from 10 to 20 mph*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence construction, 12 KV line, and fiber optic line installation*
Scraper	*0*
Grader	*2*
Loader	*2*
Forklift	*1*
Other	*2 mini excavators, power screener, 2 rubber tired back hoes,*
Water Trucks	*4*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*Yes*
Method of Checking Compliance	*Visual*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
Method of Checking Compliance	
At least the first 500 feet of any paved public roadway exiting the construction site or exiting	*Yes*

other unpaved roads en route from the construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*Yes*
Method of Checking Compliance	*Visual*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 156	
Date	*2015-04-22*
Hours of Operation - Start	*05:30:00*
Hours of Operation - End	*18:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Ample sunshine. Dry and breezy in afternoon. Winds from south 5 to 15 mph*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence construction, fiber optic, 12 KV line installation*
Scraper	*0*
Grader	*2*
Loader	*1*
Forklift	*1*
Other	*2 mini excavators, 2 rubber tired hoes, power screener,*
Water Trucks	*5*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*Yes*
Method of Checking Compliance	*Visual*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the	*Yes*

construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*N/A*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 159	
Date	*2015-04-23*
Hours of Operation - Start	*05:30:00*
Hours of Operation - End	*18:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Sunny with increased wind in afternoon. Wind 5 to 15 mph*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence 12 KV backfill stringing*
Scraper	*0*
Grader	*2*
Loader	*0*
Forklift	*2*
Other	*1 mini excavator, 3 rubber tired hoes,*
Water Trucks	*5*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*Yes*
Method of Checking Compliance	*Visual. Unit 2*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the	*Yes*

construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*Yes*
Method of Checking Compliance	*Visual*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 162	
Date	*2015-04-24*
Hours of Operation - Start	*18:00:00*
Hours of Operation - End	*18:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Sunny with increasing winds. 10 to 25 mph*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Stringing phase 2 and guy wire installation on phase 3*
Scraper	*0*
Grader	*0*
Loader	*0*
Forklift	*1*
Other	*1 rubber tired hoe*
Water Trucks	*1*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*Yes*
Method of Checking Compliance	*Visual*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*Yes*
Method of Checking Compliance	*Visual*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting	*Yes*

other unpaved roads en route from the construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*Yes*
Method of Checking Compliance	*Visual*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 165	
Date	*2015-04-27*
Hours of Operation - Start	*05:30:00*
Hours of Operation - End	*18:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Ample sunshine with high winds. 15 to 40 mph winds*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence construction, t-line stringing, tortoise fence removal, substation pad setup*
Scraper	*0*
Grader	*2*
Loader	*1*
Forklift	*2*
Other	*1 mini excavator, bobcat, 3 rubber tired back hoes*
Water Trucks	*5*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*Yes*
Method of Checking Compliance	*Visual*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the	*Yes*

construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*N/A*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 168	
Date	*2015-04-28*
Hours of Operation - Start	*05:30:00*
Hours of Operation - End	*18:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Abundant sunshine with winds variable. 10 to 15*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence construction, t-Line stringing, tortoise fence removal, backfilling at substation*
Scraper	*0*
Grader	*1*
Loader	*1*
Forklift	*2*
Other	*Mini excavator, bobcat, 3 rubber tired hoes*
Water Trucks	*3*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*Yes*
Method of Checking Compliance	*Visual*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the	*Yes*

construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*N/A*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

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FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 171	
Date	*2015-04-29*
Hours of Operation - Start	*05:06:00*
Hours of Operation - End	*18:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Sunny with light breeze. Winds 5 to 10 mph. Hot 99*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence construction, t-line stringing, tortoise nice removal*
Scraper	*0*
Grader	*1*
Loader	*1*
Forklift	*2*
Other	*Mini excavator, 2 rubber tired hoes*
Water Trucks	*3*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*Yes*
Method of Checking Compliance	*Visual*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
Method of Checking Compliance	
At least the first 500 feet of any paved public roadway exiting the construction site or exiting	*Yes*

other unpaved roads en route from the construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*N/A*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

DUDEK
CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Blythe Solar - Checklist for Monitoring Air Quality Mitigation Activities

Record: 174	
Date	*2015-04-30*
Hours of Operation - Start	*05:30:00*
Hours of Operation - End	*18:00:00*
Form Completed by (AQCMM or Delegate)	*AQCMM (Roger Klein)*
Site Conditions (calm, windy) During the Day:	*Ample sunshine high around 101 F with light breeze 0 to 10 mph*
Current Construction Activities (e.g., Grading, Pile-Driving, Facility Erection, Surface Coating, Area)	*Fence installation and temporary tortoise fence removal along with stringing pole 28 to 53*
Scraper	*00*
Grader	*1*
Loader	*1*
Forklift	*2*
Other	*Mini excavator, 2 rubber tire backhoes*
Water Trucks	*3*
The main access roads through the facility to the solar field areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction of the first Unit solar field. Delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved or treated prior to taking initial deliveries.	*Yes*
Method of Checking Compliance	*Visual*
No vehicle will exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.	*Yes*
Method of Checking Compliance	*Visual*
Visible speed limit signs will be posted at the construction site entrances.	*Yes*
Method of Checking Compliance	*Visual*
All construction equipment vehicle tires will be inspected and washed as necessary to be cleaned free of dirt prior to entering off site paved roadways.	*Yes*
Method of Checking Compliance	*Visual*
Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.	*N/A*
All unpaved exits from the construction site will be graveled or treated to prevent track-out to public roadways.	*Yes*
Method of Checking Compliance	*Visual*
All construction vehicles will enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer.	*Yes*
Method of Checking Compliance	*Visual*
Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage will be provided with sandbags or other equivalently effective measures to prevent run-off to roadways	*Yes*
Method of Checking Compliance	*Visual*
All paved roads within the construction site will be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.	*N/A*
At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the	*Yes*

construction site or construction staging areas will be swept as needed	
Method of Checking Compliance	*Visual*
All soil storage piles and disturbed areas that remain inactive for longer than 10 days will be covered, or will be treated with appropriate dust suppressant compounds.	*N/A*
All unpaved construction roads and unpaved operation and maintenance site roads will be stabilized with a non- toxic soil stabilizer or soil weighting agent that is effective for fugitive dust control, and will not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control.	*Yes*
Method of Checking Compliance	*Visual*
All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions will be provided with a cover, or the materials will be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.	*N/A*
All disturbed areas in the Project and linear construction sites will be watered as frequently as necessary during grading; and after active construction activities will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.	*Yes*
Method of Checking Compliance	*Visual*
Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) will be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition will remain in place until the soil is stabilized or permanently covered with vegetation.	*N/A*

APPENDIX C-2

Equipment Owner letters (AQ-SC5)

WARD ELECTRIC COMPANY, INC.
303-682-0066
Longmont, CO.

May 6, 2015

To whom it may concern,

This letter is to confirm Ward Electric Company's Standard Operating Procedure. All equipment is fueled, washed, serviced, and maintained by one of Ward Electric Company employees before being released to the next job location. The following is a list of equipment sent out to the job site.

Unit #49 Dodge Pickup

Unit #10 Dodge Pickup

Unit # 39 GMC Pickup

Unit #215 M2 Business Class Truck

Unit # 57 Dodge Pickup

Unit # 26 Dodge Pickup

Unit # 114 Dodge Pickup

Please let me know if you have any questions or need any additional information.

Sincerely,

Meri Greenhood

Ward Electric Company

May 8, 2015

To whom it may concern,

This letter is to confirm that all equipment operated by California Corporation is serviced and maintained in accordance with the manufactures recommendations. The follow equipment is scheduled to be used on Blythe Solar Power Project:

- R205 CAT 140M Blade
- 386 CAT 615C Series II Scraper
- 416 CAT MT955C Challenger Ag Tractor
- 415 CAT CS56B Smooth Drum Vibratory Roller
- 361 CAT 930G Wheel Loader
- 95 International 7600 6x4 Water Truck
- 96 International 7600 6x4 Water Truck
- 97 International 7400 6x4 Water Truck
- 98 International 7400 6x4 Water Truck
- 99 International 7400 6x4 Water Truck

If you have any questions regarding this matter, you can contact the undersigned at [redacted]

Regards,

Ryan Husbands

42851 North Sierra Highway, Lancaster, CA. 93534-6023
[redacted]

Global Rental Co., Inc.

May 6, 2015

To whom it may concern,

This letter is to confirm Global Rental Co., Inc.'s standard operating procedure when supplying bare rental equipment to our customers. All equipment is fueled, washed, serviced, and supplied as rent ready and fully certified to operate per OSHA standard requirements. Ward Electric Company authorizes their employees to operate the equipment according to manufacturer specifications. The following is a list of equipment sent out to the job site and was approved as rent ready.

Unit Number	Unit Model	Model description	Chs Mfg	Chs Type	Chs Year
037-24920664	DC47-TR	Digger Derrick	FREIGHTLINER	4X2	2014
094-22599575	AC38-127S	38 ton crane	PETERBILT	8X6	2013
094-22599579	AC38-127S	38 ton crane	PETERBILT	8X6	2013
094-24718939	AC38-127S	38 ton crane	PETERBILT	8X6	2013
094-24791748	AC38-127S	38 ton crane	PETERBILT	8X6	2013
094-30205525	AC38-127S	38 ton crane	PETERBILT	8X6	2015
080-368088	T120/2H2	Stringing equipment Tensioner	TSE	Trailer	2013

Please let me know if you have any questions or need any additional information.

Sincerely,

Jeffrey Oxenhorn

_____

Jeff Oxenhorn
Sr. Account Manager
Global Rental Co., Inc.
1253 E. Price St.
Pomona, CA 91767
[redacted]

[redacted]
jeff.oxenhorn@altec.com

APPENDIX D

Biological Requirements

APPENDIX D-1

WEAP Sign-In Sheets (BIO-6)

Certification of Completion

Worker Environmental Awareness Program [WEAP] Training

SOLAR CONSTRUCTION

This is to certify these individuals have completed a mandatory Bureau of Land Management-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1	Brandon Bedoya	Labor	
2	PAT VELARDE	LABOR QUAIL CONST.	
3	Craig Thompson	LABOR C.C.C.	
4	Mike MARISCAL	FUELER. C.C.C	
5	Ramiro Zapata	operator CCC	
6	NICK KARIKER	OP. CCC	
7	William Miracle	FOREMAN CCC	
8	Robert Miracle	LABOR CCC	
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4/1

4/2

Cultural Trainer: _____ Signature: _____ Date: _____

Paleontology Trainer: _____ Signature: _____ Date: _____

Biology Trainer: _____ Signature: _____ Date: 4/2/15

~~McCoy Solar~~ Blythe Solar

Safety Environmental WEAP Training

Name	Company	Signature	Date
Nicholas Martinez	CRIT		4-4-15
Angelo Gonzalez	CRIT		4/4/15
Vincent Graelas	CRIT		4/4/15
Bryan Griffith	CRIT		4-4-15
Cody Hill	CRIT		4-4-15
Vanessa Barley	CRIT		4/4/15
Jerome Yazzie	CRIT		4/4/15
LINDSEY EVANSTON	CRIT		4/4/15
Keaton L. Martinez	CRIT		4/4/15
Armando Barrera		4/4/15	
Daniel Harper			

Certification of Completion

Worker Environmental Awareness Program [WEAP] Training

SOLAR CONSTRUCTION

This is to certify these individuals have completed a mandatory Bureau of Land Management-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1	Meri Greenhood	Groundman / Ward Electric	Meri Greenhood
2	Dennie Greenhood	GF / Ward Electric	Dennie Greenhood
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Cultural Trainer: _____ Signature: _____ Date: _____

Paleontology Trainer: _____ Signature: _____ Date: _____

Biology Trainer: _____ Signature: _____ Date: _____

Certification of Completion

Worker Environmental Awareness Program [WEAP] Training

SOLAR CONSTRUCTION

This is to certify these individuals have completed a mandatory Bureau of Land Management-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1	Glenn Rosales	Mountain Power/Lin Applied	
2	Donald Kal	Miller / Foreman	
3	Jevie Jackson	Miller	
4	Kevin Trullinger	Miller	
5	Sheldon Bush	Miller	
6	Cody Bollinger	Miller	
7	Jason Leonard	CCC / Foreman	
8	James Kelley	CCC / Laborer	
9	Ted Rea	CCC / Operator	
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Cultural Trainer: _____ Signature: _____ Date: _____

Paleontology Trainer: _____ Signature: _____ Date: _____

Biology Trainer: _____ Signature: _____ Date: 13 APR 15

Certification of Completion

Worker Environmental Awareness Program [WEAP] Training

SOLAR CONSTRUCTION

This is to certify these individuals have completed a mandatory Bureau of Land Management-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1	William Gianni	VP Mountain Power	
2	Rene Mexia	Fabricator Mountain Power	
3	Santos Salazar	Fabricator Mountain Power	
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4/21

Cultural Trainer: _____ Signature: _____ Date: _____

Paleontology Trainer: _____ Signature: _____ Date: _____

Biology Trainer: _____ Signature: _____ Date: 4/21/2015

Certification of Completion

Worker Environmental Awareness Program [WEAP] Training

SOLAR CONSTRUCTION

This is to certify these individuals have completed a mandatory Bureau of Land Management-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1	Jesse Yorck	AECOM/Archaeologist	[signature]
2	Francisco Perez	Rogers Helicopters	[signature]
3	[illegible]	Rogers	[signature]
4	[illegible] Germany	Ward Elec	[signature]
5	Mike Dixon	MPC	[signature]
6	Wade English	MPC	[signature]
7	Gary Valencia	Mountain Power Cont.	[signature]
8	Jonathan Hernandez	Ward Electric	[signature]
9	Justin Archibeque	Ward Electric	[signature]
10	Bodie Faulks	Ward Electric	[signature]
11	Kalem Celestino	Ward Electric - Safety Dir.	[signature]
12	Michael McConnell	Ward electric	[signature]
13	[illegible] Greenwood	Ward Electric	[signature]
14	Eric [illegible]	Ward Electric	[signature]
15	Donnie Greenwood	Ward Electric	[signature]
16	William McCormick	Source Helicopters	[signature]
17	Jack Arnold	Ward Electric	[signature]
18	Beau Renshaw	Ward Electric	[signature]
19	Dwight Von John	Ward Electric	[signature]
20	Joel D'Attilio	Source Helicopters	[signature]
21	Rogers, Robin [illegible]	Pilot / Source Helicopters	[signature]
22	Mark Nobles	Source Helicopters	[signature]
23	Rodney Rogers	Rogers Helicopters	[signature]
24			
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Cultural Trainer: ____________ Signature: ____________ Date: ________

Paleontology Trainer: ____________ Signature: ____________ Date: ________

Biology Trainer: ____________ Signature: ____________ Date: ________

Certification of Completion

Worker Environmental Awareness Program [WEAP] Training

SOLAR CONSTRUCTION

This is to certify these individuals have completed a mandatory Bureau of Land Management-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1	Ryan Wells	Journeyman Lineman / Ward	Ryan M Wells 4/22
2			
3			
4			
5			
6			
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Cultural Trainer: _____ Signature: _____ Date: _____

Paleontology Trainer: _____ Signature: _____ Date: _____

Biology Trainer: _____ Signature: _____ Date: _____

Ryan Wells 4/22/15

Certification of Completion

Worker Environmental Awareness Program [WEAP] Training

SOLAR CONSTRUCTION

This is to certify these individuals have completed a mandatory Bureau of Land Management-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

4/27

No.	Employee Name	Title/Company	Signature
1			
2	Miguel Perez	Groundman	Miguel Perez
3	Abraham Fierro	Lineman	
4	Arturo Villa	Groundman	
5	JOEL MANALOTO	carpenter	
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Cultural Trainer: _____ Signature: _____ Date: _____

Paleontology Trainer: _____ Signature: _____ Date: _____

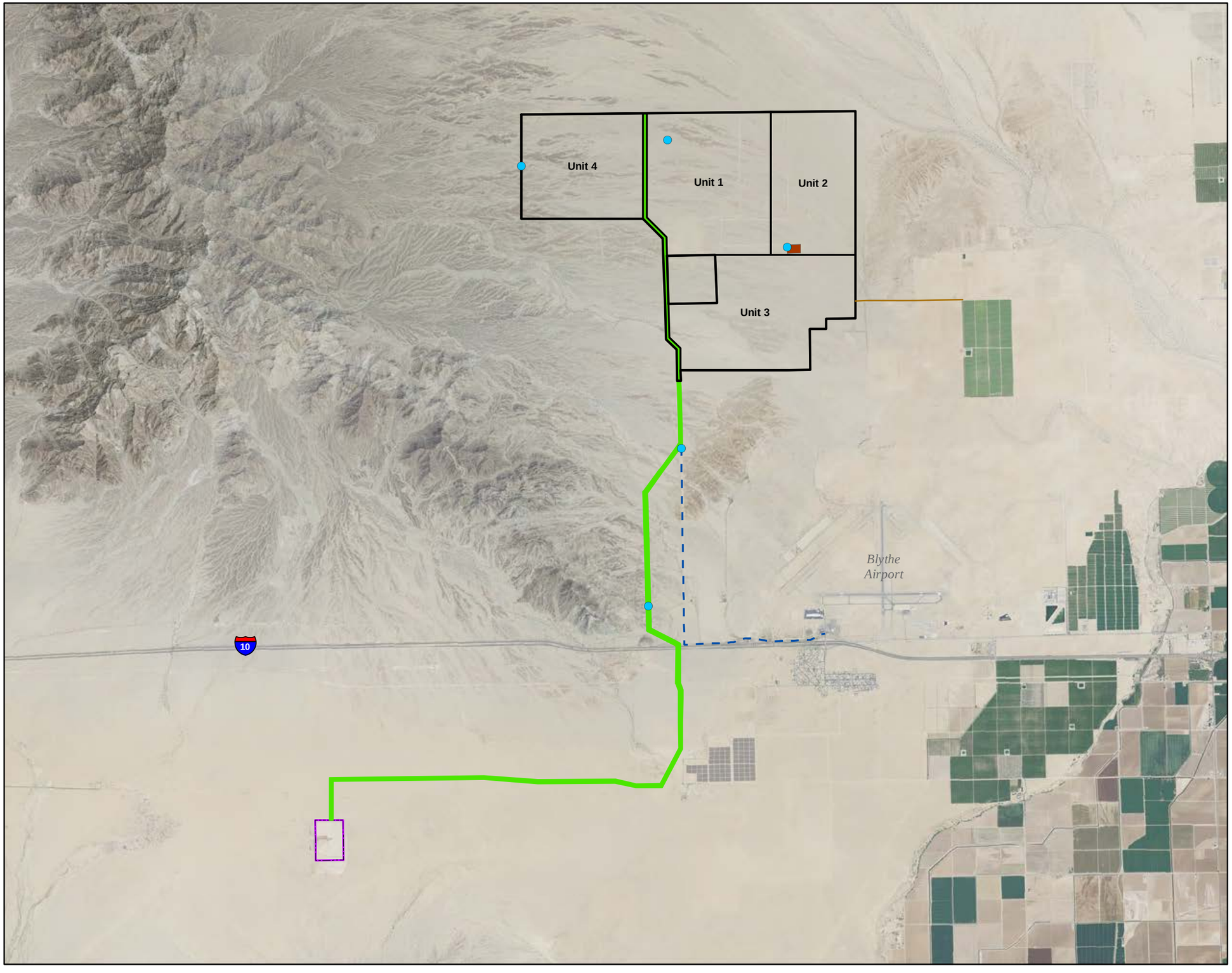
Biology Trainer: _____ Signature: _____ Date: _____

4/27/2015

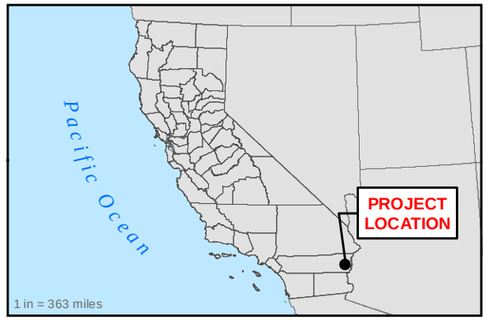
APPENDIX D-2

Raven Monthly Point Count Locations (BIO-13)

R:\projects_2012\BSPP\maps\Avian\1_Raven_Survey_Locations.mxd



BLYTHE SOLAR POWER PROJECT RIVERSIDE COUNTY, CA



Legend

- Approximate Common Raven Survey Locations
- BSPP Site Boundary
- Linear Corridor
- Distribution Line
- MSEP Access Road Shared with Other Solar Projects
- Well Pad
- SCE Colorado River Substation

0 2,500 5,000 10,000
Feet

Notes:
(a) UTM Zone 11, NAD 1983 Projection.
(b) Source data: ESRI, TT

FIGURE 1
APPROXIMATE COMMON RAVEN SURVEY LOCATIONS

TETRA TECH

APPENDIX D-3

SPUT Mortality Report

Confidential

Redacted

APPENDIX D-4

BSPP Baseline Vegetation Report

BLYTHE SOLAR POWER PROJECT

Baseline Vegetation Report

Prepared for:

Next Era Blythe Solar Energy Center, LLC
Riverside County, California

Prepared by:

DUDEK
605 Third Street
Encinitas, California 92024

MAY 2015

Printed on 30% post-consumer recycled material.

TABLE OF CONTENTS

Section **Page No.**

APPENDICES

FIGURES

TABLE OF CONTENTS (CONTINUED)

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TABLES

1 INTRODUCTION

The proposed Blythe Solar Power Project (BSPP or Project) is an up to 485 megawatt (MW) photovoltaic (PV) solar power plant in Riverside County, California that will provide renewable energy through the interconnection with Southern California Edison's proposed Colorado River substation. The Project is located in the southern California Mojave desert approximately 8 miles west of the City of Blythe and two miles north of interstate 10 (1-10) (Figure 1). The Project will be located on Bureau of Land Management (BLM) land.

The BSPP will utilize a change in technology from a concentrating solar trough to photovoltaic power resulting in a reduction of the Project footprint. The resulting reconfiguration due to technological changes decreases the size of the solar field by 2,761 acres. This modified BSPP will be entirely within the boundary of the approved Project. BSPP will utilize 4 independent solar power plant units (Units #1, #2, #3, #4) that will be constructed in phases. The Project will require a new double circuit 230-kilovolt transmission line to interconnect with the Southern California Edison (SCE) regional system. The total disturbance area of BSPP will be 4,138 acres including the linear facilities (Figure 2).

Project construction will occur in phases that follow development of the solar units, beginning with Unit #1. Descriptions of the facilities to be constructed during the remaining phases of the Project, as well as the related acreages for each phase are summarized in Table 1 below.

Table 1
Forecasted Construction Phasing Summary

Phase	Area of Site	Total Area (acres)
Phase 1	Unit 1 (1,065 acres) and linear facilities (68 acres)	1,133
Phase 2	Unit 2	1,054
Phase 3	Unit 3	1,065
Phase 4	Unit 4	886

The purpose of this Baseline Vegetation Monitoring Report (Baseline Report) is to present the results of baseline vegetation monitoring for Phase 1 as required by the Weed Management Plan for the BSPP (WMP; AECOM 2014) and the Revegetation Plan for the BSPP (Revegetation Plan; Karl and Tetra Tech, Inc. 2014). This Baseline Report provides a summary of the status within the monitoring areas, including vegetative cover, plant density, species composition and a general summary of overall conditions. This report also provides detailed mapping of invasive species along the linear facilities and within Unit 1 of the solar field. Additionally, this baseline report documents cacti salvage completed in accordance with the Revegetation Plan. These

initial results will provide critical baseline information for future monitoring of both weed species presence and restoration progress in conformance to the WMP and Revegetation Plan, respectively. The baseline data collection methods were designed to achieve the goals of both the WMP and the Revegetation Plan.

1.1 Weed Management Plan Goals and Requirements

The overall objective of the WMP is to prevent introduction of new weeds and spread of existing weeds as a result of BSPP construction, operation, and decommissioning (AECOM 2014). The WMP provides guidance on the implementation of early detection protocols, defines containment strategies, and describes control methods to prevent the introduction and minimize the spread of invasive weeds during construction and operation activities (AECOM 2014).

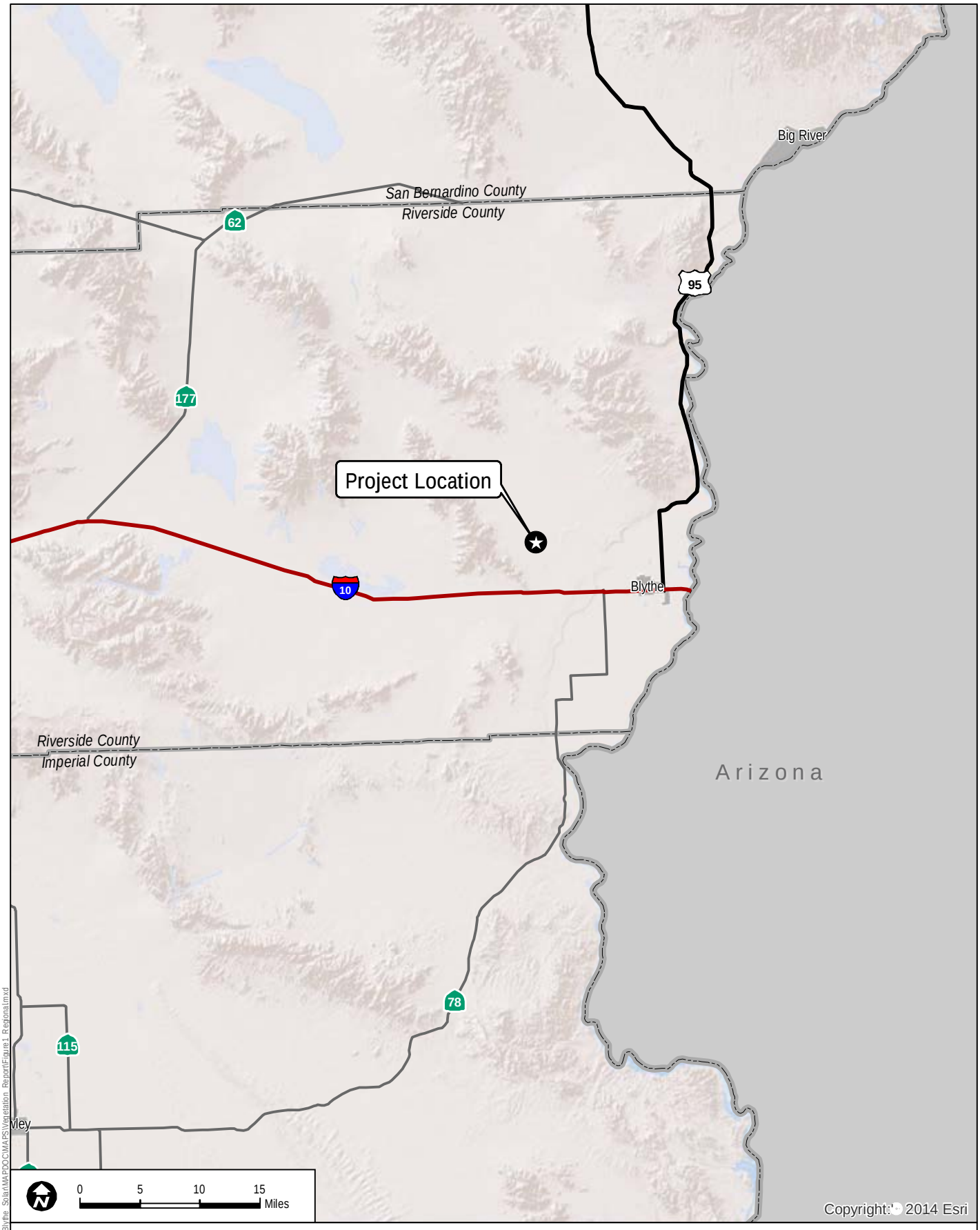
Weed management will be within temporary impact areas and any portions of the site not graded, developed, or otherwise rendered unsuitable for weed growth (AECOM 2014). Within areas subject to weed growth, NextEra Blythe Solar will approach the overall objective through controlling the spread of existing populations and prevention of new weed introductions, and monitoring for early detection (AECOM 2014).

Weed management objectives for the Project follow the WMP (BIO-14) which requires the following:

- targeted weed management objectives and measures based upon each individual non-native weed species
- development of baseline conditions
- a map of weed management areas
- a weed risk assessment
- measures to prevent new weed introduction and the spread of weed species
- monitoring and surveying methods
- -reporting requirements.

The WMP provides guidance that applies to the:

- Early Detection and Risk Assessment of Weed Species: This objective identifies presence, location, and abundance of weed species in the BSPP Disturbance Area, both existing conditions and conditions over time.
- Suppression and Control: This objective is intended to ensure that populations of existing weed species do not increase due to the BSPP.



DUDEK

FIGURE 1
Regional Map

Blythe Solar Power Project

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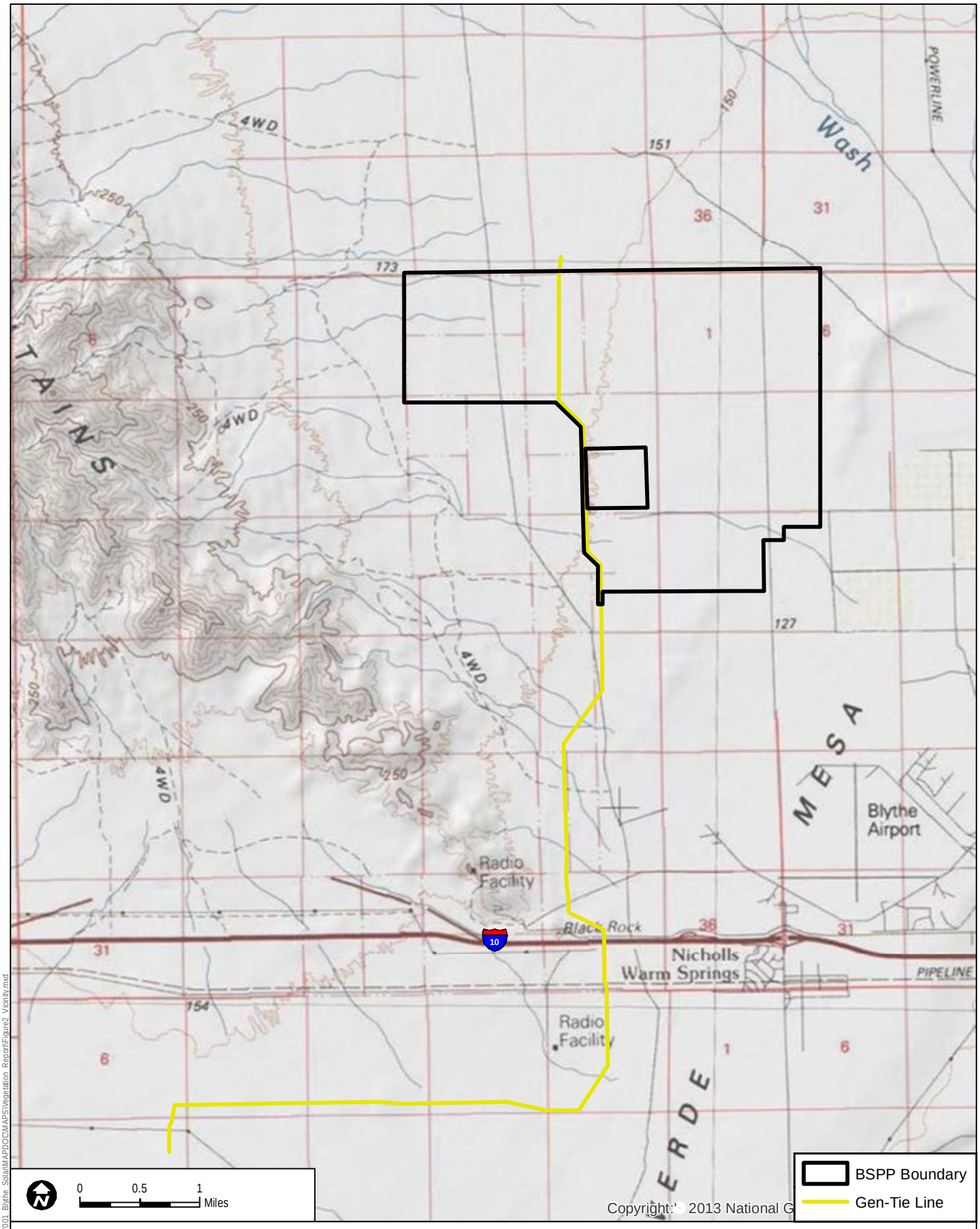

SOURCE: USGS 7.5-Minute Series MCCoy PK, McCoy Wash, and Roosevelt Mine Quadrangles

DUDEK

FIGURE 2
Vicinity Map

Blythe Solar Power Project

Path: Z:\Projects\Nextera\837001 Blythe SolarMAPDOC\MAPS\Vegetation Report\Figure2 Vicinity.mxd

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- Containment Strategies: This objective is intended to prevent the spread of existing weeds to new areas and prevent the introduction of weed species not currently present in the Project

Target Weed Species

During biological field surveys of the Project area in 2009 and 2010 by AECOM, 10 non-native species were detected (Table 2). No invasive weed species were noted in high concentrations. The initial status of the Project site was described as healthy Sonoran creosote bush scrub with low densities of weed species (AECOM 2011). Weed species observed during preconstruction surveys and their Cal-IPC rating (which is based on their potential ecological impact) are listed in table 2 (AECOM 2011).

Table 2
Weed Species Observed at BSPP

Common Name	Scientific Name	Cal-IPC Rating
Brassica tournefortii	Sahara mustard	High
Bromus madritensis ssp. *rubens*	Red brome	High
Cynodon dactylon	Bermuda grass	Moderate
Festuca sp.	Fescue	Moderate
Lactuca serriola	Prickly lettuce	Eval-No List
Salsola tragus	Russian thistle	Limited
Schismus arabicus	Mediterranean grass	Limited
Sisymbrium irio	London rocket	Moderate
Tamarix sp.	Tamarisk	High
Festuca (=Vulpia) bromoides	European foxtail fescue	Eval-No List

Details about the weed risk assessment and control measures are explained in the WMP within section 4. In summary, all weed species listed in Table 2 were classified as BLM's Risk Class C which requires management measures to prevent spread of invasive weeds, monitoring for a minimum of 3 years, and a determination of risk of introducing invasive weeds (AECOM 2011). The risk determination was considered moderate (AECOM 2011).

1.2 Revegetation Plan Objectives and Requirements

The goal of the Revegetation Plan is to restore disturbed areas to functioning, established, early successional communities that will facilitate continued succession to an ultimate, functioning climax community. Specific objectives of the Revegetation Plan are to:

- Establish a perennial plant community that includes well-established, colonizing species and some later successional species that occur locally in native habitats

- Design and construct the linear features and other BSPP facilities that will temporarily disturb the surface outside the Solar Plant Site to minimize soil and vegetation impacts and maintain original hydrology
- Restore community functioning for both vertebrates and invertebrates
- Preserve native topsoils and seed banks
- Control weeds and other invasive plants that interfere with natural succession and restoration and ensure that the revegetation program does not result in enhanced weed populations over existing levels
- Provide site-specific information on performance of revegetation methods to inform and improve the design of the decommissioning and closure restoration plan.

The Revegetation Plan was prepared to comply with the California Energy Commission (CEC) condition of certification and the BLM Design feature BIO-8 which provides success standards for relative cover and density of plants within the temporarily disturbed areas. These success standards require that vegetation cover and density of plant species shall equal at least 60% relative to the adjacent, undisturbed habitats. BIO-8 success standards also require that 80% of the species in the temporarily disturbed areas be native species that naturally occur in the desert scrub community (Tetra Tech 2014).

Baseline monitoring was set up in a systematic way that would allow for comparison of relative cover, composition, and density to measure conformance to these success criteria.

An additional component of the Revegetation Plan is to salvage cacti and tree seedlings for use in the restoration program. The cacti will be utilized for revegetation or for mulching purposes as required by the right of way grant and the California Desert Native plants Act (California food and agricultural code 80001 et seq). In accordance with the Revegetation Plan for BSPP, only cholla (*Cylindropuntia* spp.) plants with at least 60% live branches were considered suitable for transplanting. Similarly, for columnar cacti and tree seedlings, the entire plant must appear healthy to be a candidate for transplanting. Baseline surveys included documenting and marking cacti and tree seedlings in preparation for salvaging.

2 METHODS FOR BASELINE VEGETATION MONITORING

All methods described below were implemented under the supervision of a biologist specifically familiar with desert restoration techniques following both the Revegetation Plan and the WMP. Both the Revegetation Plan and the WMP require collection of baseline data. The data for the WMP is intended to focus on weed presence, and constitutes a baseline occurrence map (see Section 2.1 of the WMP), while the data for the Revegetation Plan is intended to focus on vegetative cover and species density for reference during restoration work (see Section 2.3.1 of the Revegetation Plan).

The documentation of preexisting conditions in the preconstruction phase included the mapping of environmentally sensitive areas (ESAs) for locations with special status plants and mapping topography, drainages, substrate, soil texture and plant communities along the linear route to determine plant transect locations. Plant density and cover by species prior to construction was measured along with the location and abundance of weed species along the linear facilities.

Where there are shared linear facilities, some of the baseline monitoring for BSPP was conducted concurrently with the McCoy Solar Energy Project (MSEP). Baseline monitoring and data sampling for cacti, weeds and habitat took place on October 29–30, November 11–12, December 10–11, 2014, January 19-20, 2015 and March 10-12, 2015. While construction work on MSEP had begun in several areas of the Project, baseline data was collected adjacent to disturbance areas as specified in the WMP. No construction or disturbance had taken place within the transect sites except for soil disturbance immediately adjacent to the road. All desert pavement plains, desert washes, creosote scrub communities and dunes were intact and were representative of natural baseline conditions.

2.1 Data Collection Methods

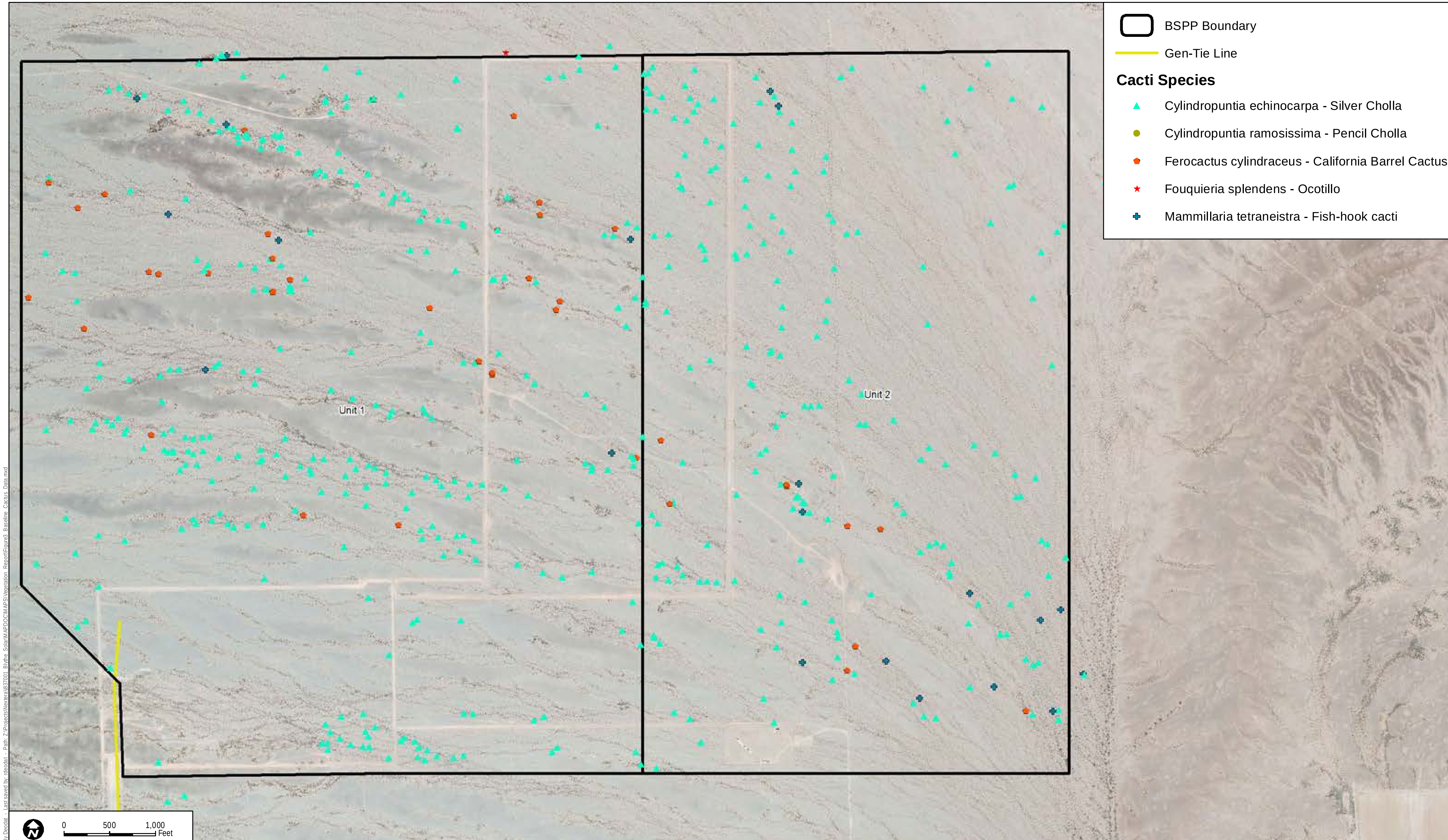
Baseline sampling and monitoring was performed by Erin Bergman (botanist/restoration biologist) and Ryan Sresovich (restoration biologist/field manager) of Dudek. Since the MSEP and BSPP share linear facilities throughout much of the transmission line corridor, baseline data collected for MSEP was applicable to baseline data for BSPP (including transects 1 – 11). Four additional transects were established along the BSPP access road (B1-B4). The data collection methods used for MSEP and BSPP are comparable, and consisted of establishing 100-meter long point-intercept transects. The transects included a 1-meter wide belt parallel to the transect line for measuring species density. Along the transect line, species coverage data were collected in quadrats (1m x 1m) and plant density data were collected within the 1 meter belt. For quadrat data collection, data was collected for every plant (shrub, herb, vine) that contributed to vegetative cover within the quadrat (regardless of where the individual plants were rooted). For density measurements in the 1-meter belt, plants were only counted if the basal stem was at least half way within the 1-meter belt. Due to the varying stages of plant senescence, the stage of growth was documented for individual plants documented within the 1-meter belt.

Data from a total of ten quadrats (1m x 1m) were collected for each transect at randomly selected locations already predetermined. Data was collected at the following meter markers: 3, 13, 23, 33, 43, 53, 63, 73, 83 and 93. Within each quadrat, percent cover was calculated for each individual species. Both native and non-native species were documented in all quadrats to provide data in support of the WMP and the Revegetation Plan. Ms. Bergman and Mr. Sresovich calibrated cover estimates for consistency of the data.

The 1-meter belt transects were set up on the west side or north side of the transect line depending on the direction of the transect line and corresponding transmission line. Once a transect was laid out along an established transect line, photos were taken at the start and end points. The transect line was walked with a 1-meter-long stake to determine and maintain the correct distance from the transect tape for data collection. As an additional measure not required by the WMP, the size of individual shrubs within the 1-meter belt was documented by indicating the canopy width relative to the transect tape. This additional data could be useful to characterize stand diversity for a particular species that may be relevant for evaluating restoration goals.

Since data collection was randomized, all vegetation communities within the transmission line were accounted for and a good mixture of creosote bush scrub, desert wash habitat, dunes and desert pavement were captured equivalently within the transmission corridor. For cacti, survey crews traversed all proposed impact areas associated with the linear facilities, BSPP Unit 1, and BSPP Units 1 and 2 fencelines. Cacti along the BSPP linear facilities were salvaged in associated with the MSEP implementation, and therefore are not documented within this report. Cacti and tree seedlings meeting the Revegetation Plan criteria were flagged and mapped (Figure 3). Cacti attributes were collected for species and condition. The condition of the cacti was based on a rating scale of good, fair and poor. Good and fair ratings were given to specimens that met the condition requirements for transplanting, while poor did not (more than 40% of the plant was dead for cholla species). Baseline surveys were conducted in the summer after severe drought conditions when most of the plants were in severe decline with most plant material was dead. However, summer rains initiated significant new growth, and many of the plants rated as poor prior to the summer rains were healthy enough to qualify for salvaging after the summer rains. While there were only a few individuals documented, the locations of tree seedlings were mapped during baseline surveys for the salvage efforts.

Additionally, baseline weed mapping was conducted along the transmission line, throughout BSPP solar field and along a buffer around BSPP solar field. Baseline weed mapping was conducted by walking the transmission line approximately 50 feet from the road. Target weed species within 100 feet of the access road, transmission line and BSPP solar field were documented and mapped for the purposes of a creating a baseline weed map of the entire Weed Management Area (WMA).



DUDEK

SOURCE: Bing 2015

Blythe Solar Power Project

FIGURE 3

Baseline Cactus Data

Baseline Vegetation Report

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2.2 Data Analysis Methods

Vegetation data were divided into two community types that dominated the BSPP site based on the Revegetation Plan. These included data for the Stabilized and Partially Stabilized Desert Dunes (sampling locations 7-11) and the Sonoran Creosote Bush Scrub community (sampling locations 1-6 and B1-B4. (Figure 4). Average percent cover was determined for each species for each of the two vegetation communities.

A density analysis was performed within the dune community and creosote bush scrub community to determine the quantity of individuals per unit area. Density was calculated by summing the total number of times each individual species was found along each transect (1 meter belt) and converting to a quantity per acre measurement.

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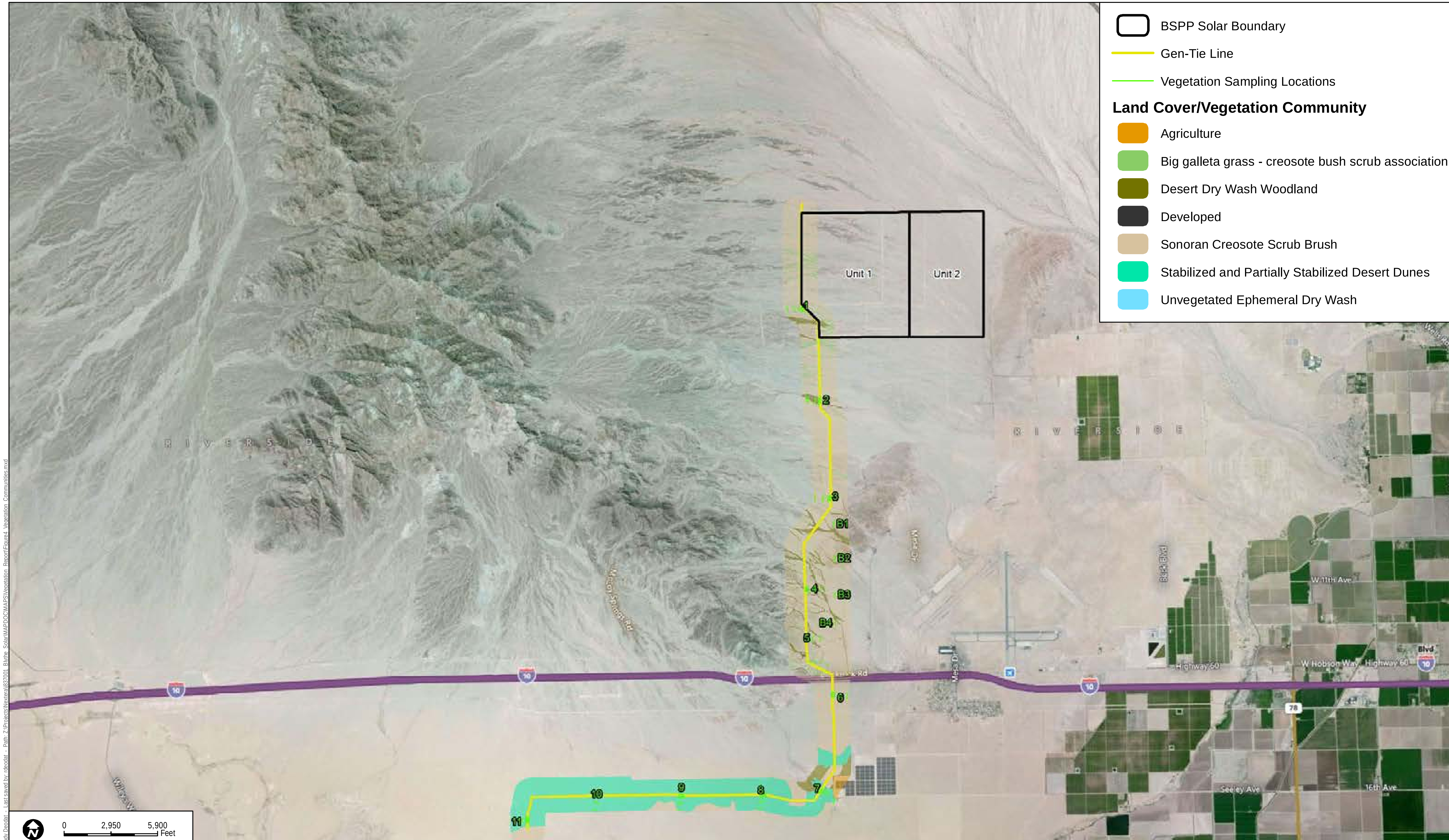
BSPP Solar Boundary
Gen-Tie Line
Vegetation Sampling Locations
Land Cover/Vegetation Community
Agriculture
Big galleta grass - creosote bush scrub association
Desert Dry Wash Woodland
Developed
Sonoran Creosote Scrub Brush
Stabilized and Partially Stabilized Desert Dunes
Unvegetated Ephemeral Dry Wash
Unit 1
Unit 2
RIVERSIDE
RIVERSIDE
0
2,950
5,900
Feet

DUDEK

SOURCE: Bing 2015

Blythe Solar Power Project

FIGURE 4

Baseline Vegetation Communities

Baseline Vegetation Report

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3 RESULTS

The survey results of the baseline conditions are summarized in this section. The results are applicable to both the Revegetation Plan and the WMP. Representative photos of the baseline conditions were selected for the different vegetation communities (Appendix B).

3.1 Percent Cover

A summary of the average percent cover of each species by vegetation community is provided in Table 3. Species cover was very low within the desert communities at the Project site. For example, creosote (*Larrea tridentata*), which was the most abundant species, consisted of only 1.4% cover in the creosote bush scrub community, and 2.4% cover in the dune community. In general, creosote bush scrub transects were dominated by creosote, small seed sandmat (*Euphorbia polycarpa*), cinchweed (*Pectis papposa*), slender spiderling (*Boerhavia wrightii*) desert ironwood (*Olneya testosa*) and sixweeks three awn (*Aristida adscensionis*). The overall percent cover of vegetation within the creosote community was 5.9%. Dune transects were dominated by creosote and white bursage (*Ambrosia dumosa*), but also included a predominance of big galleta grass (*Hilaria rigida*). The overall percent cover of vegetation with the dune community was 4.6%. Plant species that were observed in late senescence, included suncup (*Camissonia* spp., where the specific epithet could not be identified in all cases) and devil's spineflower (*Chorizanthe rigida*). Devil's spineflower was found in late senescence in many areas of desert pavement (sections of the creosote bush scrub). Both suncup and devil's spineflower were scattered throughout the desert but in such few numbers (likely because of late senescence) that they were not included within the dataset. A few additional species were documented at only a few transects (Appendix A). One California Native Plant Society (CNPS) ranked plant, desert unicorn-plant (*Proboscidea althaeifolia*; Rank 4.3), was documented at one transect location along the transmission line.

Table 3
Average Percent Cover of Individual Species by Vegetation Community

Plant Species	Creosote Bush Scrub	Dunes
Allionia incana	0.01%	—
Ambrosia dumosa	0.1%	0.7%
Aristida adscensionis	0.5%	0.02%
Aristida purpurea	0.01%	—
Bebbia juncea var. *aspera*	0.003%	—
Boerhavia wrightii	1.0%	—
Bouteloua barbata	0.3%	0.04%
Brassica tournefortii	**0.01%**	**0.1%**

Table 3
Average Percent Cover of Individual Species by Vegetation Community

Plant Species	Creosote Bush Scrub	Dunes
Chamaesyce polycarpa	0.5%	0.01%
Cryptantha sp.	0.01%	—
Dalea mollis	0.03%	—
Ditaxis neomexicana	0.01%	—
Encelia farinosa	0.2%	—
Euphorbia polycarpa	0.1%	—
Hilaria rigida	0.2%	0.9%
Kallstroemia parviflora	0.1%	—
Krameria erecta	0.01%	—
Krameria grayi	0.1%	—
Larrea tridentata	1.4%	2.4%
Olneya tesota	0.7%	—
Palafoxia arida	—	0.01%
Parkinsonia florida	—	0.03%
Pectis papposa	0.6%	0.1%
Plantago ovata	0.02%	—
Probosicidea althaeifolia	—	0.01%
Psorothamnus emoryi	—	0.01%
Salsola tragus	**—**	**0.2%**
Senegalia greggii	0.01%	—
Tiquilia plicata	—	0.01%
Total	**5.9%**	**4.6%**

Note: Bold species are target weed species per the WMP.

3.2 Density

A summary of the density of each species by vegetation community is provided in Table 4. Species that had the highest overall density within the BSPP site included bursage, big galleta grass and creosote. Specifically for the creosote bush scrub community, bursage and creosote had the highest density. The dune community was similar, with big galleta grass, bursage and creosote having the highest density.

Table 4
Density Data (Number of Individuals per Acre)

Scientific Name	Creosote Bush Scrub	Dunes
Ambrosia dumosa	17.9	98.8
Cylindropuntia ramosissima	2.4	—
Encelia farinosa	11.9	—
Hilaria rigida	4.8	84.2
Krameria erecta	3.6	—
Krameria grayi	1.2	—
Larrea tridentata	98.8	69.6
Olneya tesota	2.4	—
Parkinsonia florida	—	9.7
Psorothamnus emoryi	—	1.6
Sum	**142.9**	**264.0**

3.3 Species Richness

Within the creosote bush scrub community 24 species were found along the transects (23 native and 1 non-native). Within the dune community, 14 species were found along the transects (12 native and 2 non-native). In total, species richness for the site includes 30 species.

3.4 Target Weed Species

Weeds were minimal in the creosote bush scrub community. A few sporadic occurrences were noted in this community, typically in areas associated with some prior disturbance. Two target weed species were documented within the southern portion of the transmission line corridor within the dune community. The two species were particularly prevalent in an area about 500 meters by 500 meters in size. Target weed species documented at this location included Russian thistle and Sahara mustard (*Brassica tournefortii*). Cover of both species was low throughout most other areas of the WMA. Figure 5 (and 5a-5c) shows the WMA and distribution of weed species throughout the BSPP WMA.

3.5 Cacti and Tree Seedlings

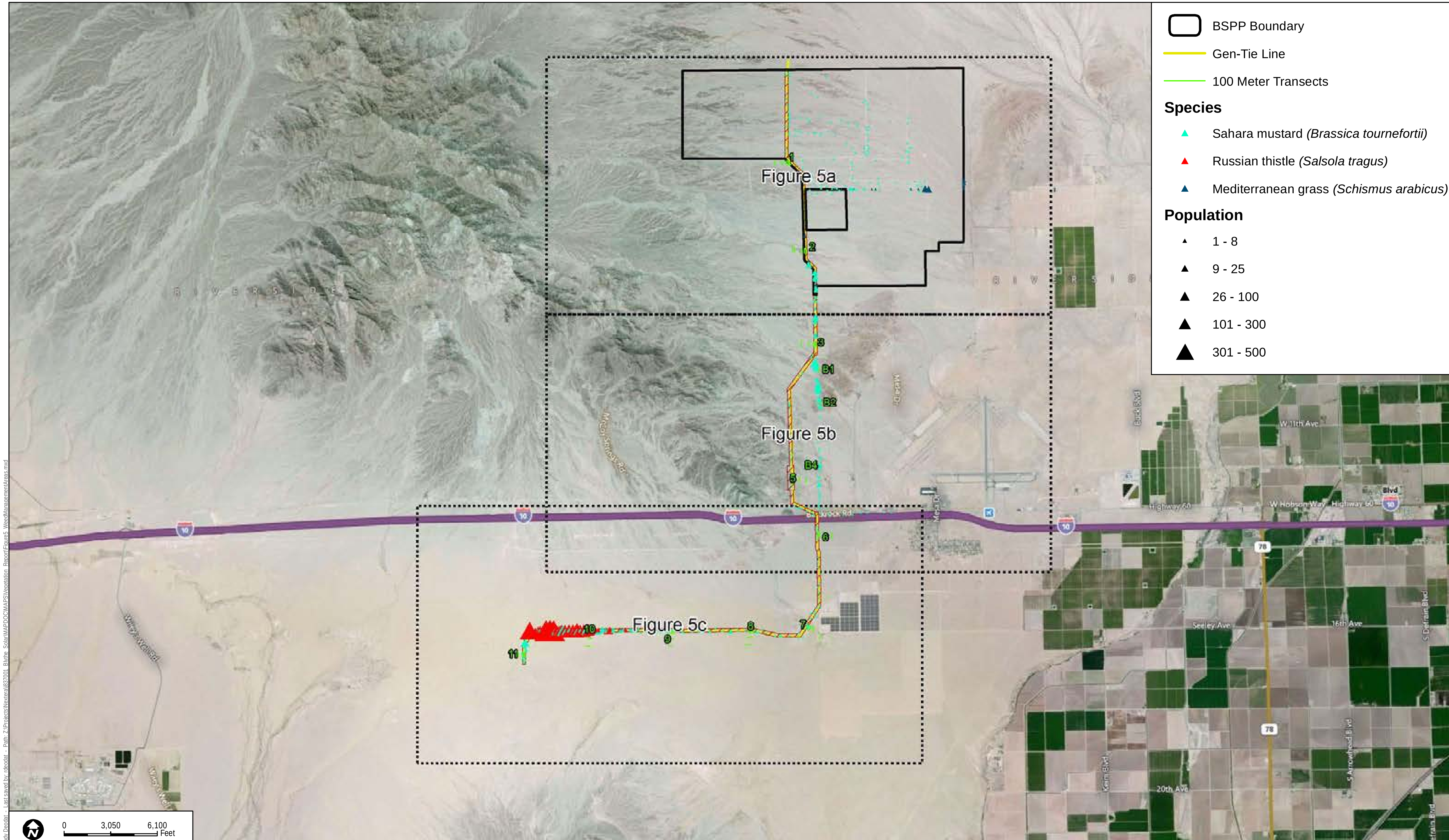
Table 5 summarizes the cacti that were salvaged from the BSPP Units 1 and 2. All whole salvaged cacti were planted within a holding area where they will be stored and cared for until they can be planted as part of the restoration effort. A total of 727 individual cacti were salvaged from Units 1 and 2. Cacti that were deemed not suitable for transplantation were still salvaged as vegetative mulch, and were placed in a pile in the cacti yard. The vegetative mulch will be used during the restoration process.

Very few tree seedlings were observed within the temporary impact areas. In association with MSEP implementation, a few (six) tree seedlings (all were blue palo verde) were salvaged and placed in nursery pots and transported to a native plant nursery for storage until they can be outplanted during the restoration effort upon completion of construction.

Table 5
Salvaged Cacti from BSPP Unit 1, and Units 1 and 2 Fencelines

Scientific Name	Common Name	Unit 1		Unit 2	
		Quantity Surveyed	*Quantity Salvaged*	*Quantity Surveyed*	*Quantity Salvaged*
Cylindropuntia echinocarpa	Golden cholla or Silver cholla	304	476	137	165
Cylindropuntia ramosissima	Pencil cholla or Diamond Cholla	1	2	11	16
Ferocactus cylindraceus	Barrel Cactus	28	36	9	10
Fouquieria splendens	Ocotillo	1	1	0	0
Mammillaria tetrancistra	Fish-hook Cactus or Foxtail Cactus	13	11	8	11
	Total	**355**	**525**	**165**	**202**

Note: The quantity salvaged was higher than the quantity surveyed because several additional individuals were found while combing through the habitat during the salvage operations.



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SOURCE: Bing 2015

Blythe SolarPower Project

FIGURE 5

Weed Management Area Index Map

Baseline Vegetation Report

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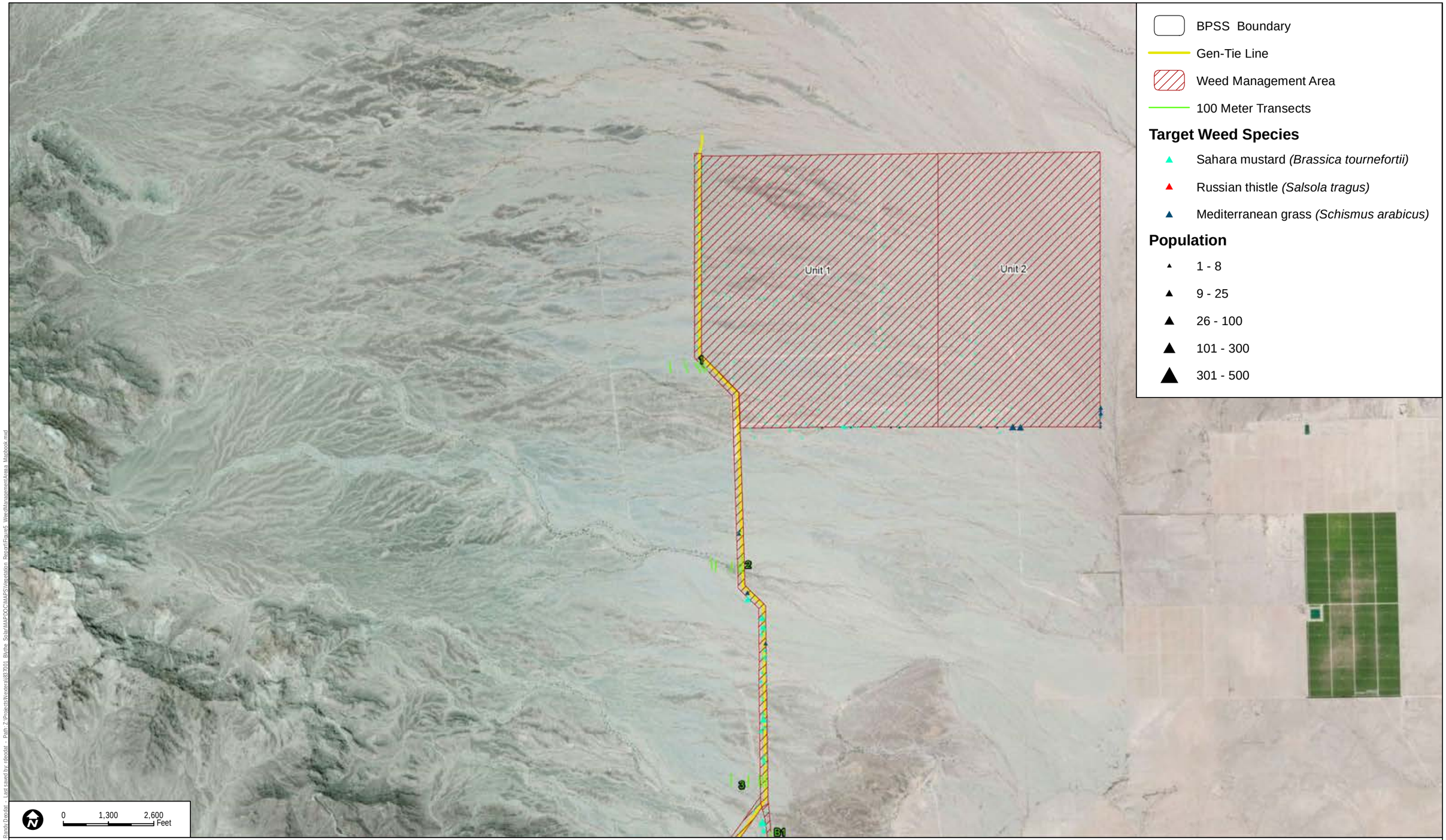

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SOURCE: Bing 2015

FIGURE 5a

Weed Managemnt Area

Blythe Solar Power Project

Baseline Vegetation Report

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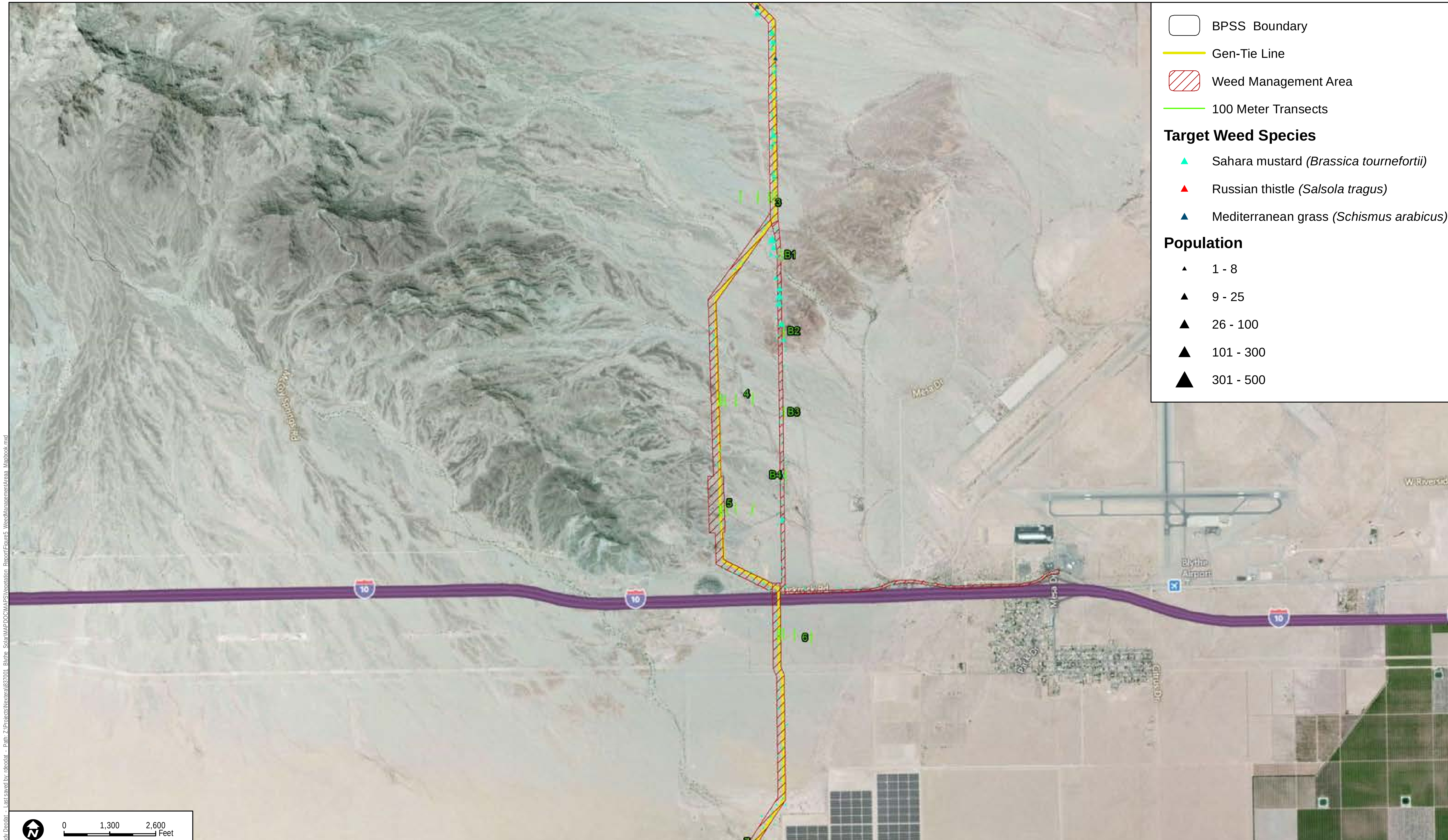

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SOURCE: Bing 2015

Blythe Solar Power Project

FIGURE 5b

Weed Managemnt Area

Baseline Vegetation Report

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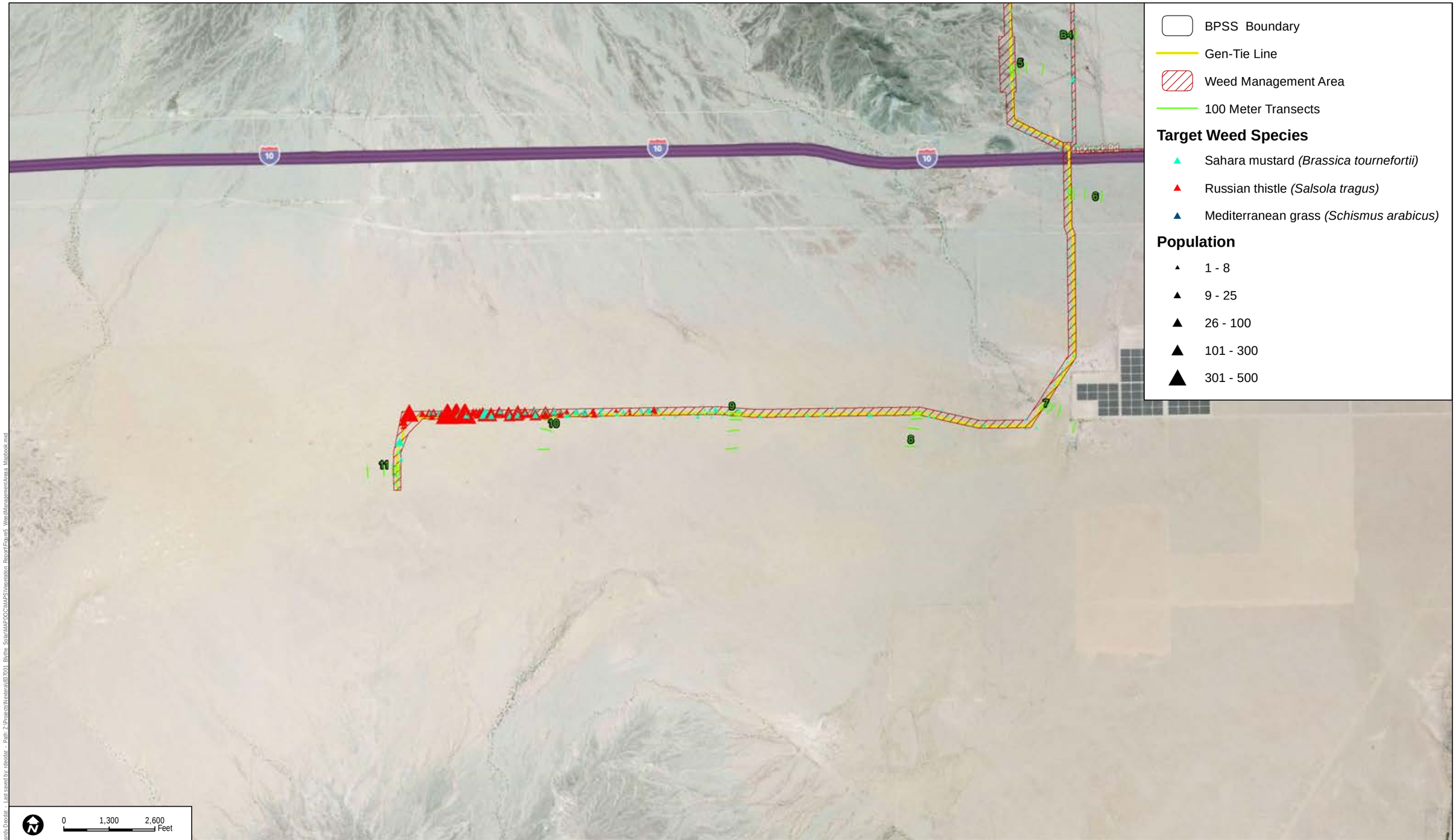

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SOURCE: Bing 2015

FIGURE 5c

Weed Managemnt Area

Blythe Solar Power Project

Baseline Vegetation Report

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4 CONCLUSION

4.1 Northern Portion of the Transmission Line (Pole Locations 10 - 76 and Solar Field)

The northern portion of the transmission line that runs north to south supports the creosote bush scrub community, which consists of large areas of desert pavement interspersed with sparsely vegetated swales, washes and runnels. Desert pavement at BSPP is a feature consisting of closely spaced gravel and cobble in a shallow surface layer only a few centimeters deep. These gravel and rock covered plains are primarily unvegetated, with occasional perennial and annual plants intermittently occurring. In general, the desert pavement plains supported mostly scattered creosote bush with occasional bursage and a few native grasses and annual cinchweed where the gravel and cobble layer is thinner or absent.

The swales, washes and runnels support a greater density of vegetation compared to the pavement plains. Galleta grass and bursage is common in the swales and runnels, and ironwood and palo verde trees are common in the desert washes. Vegetative cover was very low, with an average percent vegetative cover of 5.9%, composed predominantly of shrubs.

A few target weeds were found scattered within the northern portion of the transmission line, but not intercepted at the designated transect locations. Only very widely scattered weed species were detected within the swales, washes and runnels that bisected the transect lines. Observed weeds tended to occur in areas of prior soil disturbance along vehicle routes. Most of the survey areas north of Interstate 10 consisted of undisturbed habitat, with the exception of disturbed portions of an old borrow pit just north of I-10, and multiple, historic 2-track vehicle disturbances scattered throughout the area.

4.2 Southern Portion of the Transmission line (Pole Locations 76-100)

The southern portion of the transmission line consists primarily of dune habitat with stabilized and partially stabilized dunes. There are also widely scattered areas covered by a thin, fine gravel layer which are more predominantly occupied by widely spaced shrubs. Similarly, the dune habitat in the southern area contains widely spaced perennial shrubs, with the dominant species including creosote bush, white bursage, and galleta grass. Similar to the creosote bush scrub community, vegetative cover in the dune community was very low, with an average percent vegetative cover of 4.6%, composed predominantly of shrubs.

Within the dune habitat that made up most of the southern portion of the transmission line, only a few scattered weeds were observed, with the exception of a large, concentrated patch of target weed species located near the western end of the East-West trending transmission line corridor. The weed species observed at this location included Sahara mustard and Russian thistle (Figure 5c).

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5 RECOMMENDATIONS

The BSPP weed management program focuses on prevention, early detection, and eradication prior to weed spread. The program is explained in detail in the WMP. In accordance with the WMP Weed Species Treatment Approach (Table 4 of the WMP), Dudek recommends that NextEra Blythe Solar control weeds within the area supporting a concentrated stand of Russian thistle and Sahara mustard to limit expansion within the BSPP Disturbance Area. Additionally, sporadic occurrences of the target weed species should be addressed throughout the WMA on a regular basis in accordance with the WMP.

A qualitative survey to document weed occurrences should be conducted during construction in accordance with the WMP. The surveys should be conducted twice per year, in the winter and summer rainy seasons. The WMA should be reinspected mid and late rainy season to ensure that weeds within the WMA are not allowed to set seed. Notice of potential weed invasions and control recommendations should be provided to NextEra Blythe Solar.

Restoration of temporary impact areas is planned for when construction is completed. The baseline vegetation data collection results will help inform restoration progress relative to goals and success criteria in the Revegetation Plan.

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6 REFERENCES

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Karl, A. E. and Tetra Tech, Inc. 2014. Revegetation Plan for the modified Blythe Solar Energy Project, Riverside County, California. Prepared for NextEra Blythe Solar Energy Center, LLC. June 2014 and resubmitted September 2014.

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APPENDIX A

Transect Data

APPENDIX A
Transect Data

Table 1
Percent Cover of Each Species Observed in Creosote Bush Scrub Habitat by Transect and Quadrat

Transect	Plant Species	Quadrat 1	Quadrat 2	Quadrat 3	Quadrat 4	Quadrat 5	Quadrat 6	Quadrat 7	Quadrat 8	Quadrat 9	Quadrat 10
B1	*Aristida adscensionis*				1	1					
	Bouteloua barbata				2		5				
	Ditaxis neomexicana				1						
	Euphorbia polycarpa				2	20	10				
	Kallstroemia parviflora				1	2	25				
	Pectis papposa				1	1	2				
	Plantago ovata				1		1				
B2	*Ambrosia dumosa*						1				
	Aristida adscensionis	5	3	5	1	1	10				
	Boerhavia wrightii		2	2		1	2				
	Bouteloua barbata	1									
	Brassica tournefortii	1		1		1					
	Chamaesyce polycarpa			1	2		1				
	Cryptantha sp.			1	1	1					
	Encelia farinosa			40							
	Kallstroemia parviflora				1						
	Larrea tridentata		1								70
	Plantago ovata	2	1		1						
B3	*Aristida adscensionis*							1			
	Larrea tridentata						5			1	
B4	*Aristida adscensionis*	5		1	10						
	Boerhavia wrightii	30	8	5	50	15	20	80	2	2	
	Hilaria rigida			40							
	Larrea tridentata				10		10	15			
	Pectis papposa					5		1	1		
1a	*Aristida adscensionis*	1	5	3		5	2		3		

Table 1
Percent Cover of Each Species Observed in Creosote Bush Scrub Habitat by Transect and Quadrat

Transect	Plant Species	Quadrat 1	Quadrat 2	Quadrat 3	Quadrat 4	Quadrat 5	Quadrat 6	Quadrat 7	Quadrat 8	Quadrat 9	Quadrat 10
	Bouteloua barbata			1		20	2		1	2	
	Chamaesyce polycarpa					5	2		1		
	Dalea mollis									1	
	Pectis papposa		2	1	8	30	2		1		
1b	*Aristida adscensionis*					5					
	Bouteloua barbata					2					
	Chamaesyce polycarpa					1					
	Pectis papposa					5					
1c	*Aristida adscensionis*			1							
1d	*Aristida adscensionis*							2			1
	Boerhavia wrightii										2
	Bouteloua barbata							2			1
	Chamaesyce polycarpa							2			
	Larrea tridentata						2				2
	Pectis papposa										1
1e	*Aristida adscensionis*	1	5	3							
	Bouteloua barbata				8	30	2		1	2	
	Chamaesyce polycarpa			1		20	2		1		
	Dalea mollis					5	2		1	1	
	Pectis papposa		2	1		5	2		3		
2b	*Aristida adscensionis*	2	3						2	4	
	Boerhavia wrightii	30	10	1	4			6	8	5	
	Bouteloua barbata	3									
	Chamaesyce polycarpa	2	10							4	
	Encelia farinosa		10								
2c	*Aristida adscensionis*									3	
	Chamaesyce polycarpa							5			
	Hilaria rigida					10		15			

Table 1
Percent Cover of Each Species Observed in Creosote Bush Scrub Habitat by Transect and Quadrat

Transect	Plant Species	Quadrat 1	Quadrat 2	Quadrat 3	Quadrat 4	Quadrat 5	Quadrat 6	Quadrat 7	Quadrat 8	Quadrat 9	Quadrat 10
	Larrea tridentata			30			90				
	Pectis papposa	1	3								
	Senegalia greggii		2				2				
2d	*Allionia incana*								1		
	Aristida adscensionis	6	4		3				3		
	Bebbia juncea var. *aspera*	1									
	Bouteloua barbata		4								
	Chamaesyce polycarpa				6						
	Ditaxis neomexicana								1		
	Kallstroemia parviflora	1			3						
	Olneya tesota						90				
	Pectis papposa	4				8			50	8	
2e	*Aristida adscensionis*										5
	Bouteloua barbata						5				
	Olneya tesota			40							
	Pectis papposa	6						7	5		
3b	*Allionia incana*						1				
	Aristida adscensionis				1						
	Aristida purpurea						5				
	Chamaesyce polycarpa				5	4					
3d	*Aristida adscensionis*						1				
	Chamaesyce polycarpa						20	10			
	Pectis papposa						5	5			
3e	*Bouteloua barbata*										3
	Chamaesyce polycarpa	30			5						3
	Pectis papposa	5									3
4a	*Aristida adscensionis*							5			

Table 1
Percent Cover of Each Species Observed in Creosote Bush Scrub Habitat by Transect and Quadrat

Transect	Plant Species	Quadrat 1	Quadrat 2	Quadrat 3	Quadrat 4	Quadrat 5	Quadrat 6	Quadrat 7	Quadrat 8	Quadrat 9	Quadrat 10
	Boerhavia wrightii						5	8			
	Bouteloua barbata						3	5			
	Chamaesyce polycarpa							5			
	Pectis papposa							3			
4b	*Aristida adscensionis*								2		
	Boerhavia wrightii						3		5		
	Chamaesyce polycarpa								2		
	Krameria grayi					50					
	Larrea tridentata							10			
4c	*Ambrosia dumosa*		12								20
	Aristida adscensionis				2	3			2		
	Boerhavia wrightii				1	5					
	Bouteloua barbata			2	4						
	Chamaesyce polycarpa				2				2		
4d	*Ambrosia dumosa*			5							
	Aristida adscensionis	2									2
	Boerhavia wrightii	10									
	Bouteloua barbata								1		2
	Chamaesyce polycarpa			2							
	Kallstroemia parviflora										3
	Larrea tridentata							5			
	Pectis papposa			2							
4e	*Aristida adscensionis*					5					
	Boerhavia wrightii					4					
	Larrea tridentata							10		30	20
	Olneya tesota								60		
5a	*Aristida adscensionis*						5				
	Krameria erecta					5					

Table 1
Percent Cover of Each Species Observed in Creosote Bush Scrub Habitat by Transect and Quadrat

Transect	Plant Species	Quadrat 1	Quadrat 2	Quadrat 3	Quadrat 4	Quadrat 5	Quadrat 6	Quadrat 7	Quadrat 8	Quadrat 9	Quadrat 10
	Larrea tridentata						40				
5b	*Ambrosia dumosa*						2				
	Aristida adscensionis						2	15			
	Chamaesyce polycarpa							7			
5c	*Ambrosia dumosa*										5
	Encelia farinosa		1								10
	Olneya tesota										30
5d	*Aristida adscensionis*			5					5	2	
	Boerhavia wrightii								2	1	
	Larrea tridentata				8	2					50
	Olneya tesota									5	
5e	*Aristida adscensionis*	3		3					2		
	Boerhavia wrightii	1		1			1		1		
	Larrea tridentata		1		5						
6a	*Larrea tridentata*						15				
6e	*Larrea tridentata*		8							40	

Table 2
Percent Cover of Each Species Observed in Dune Habitat by Transect and Quadrat

Transect	Plant Species	Quadrat 1	Quadrat 2	Quadrat 3	Quadrat 4	Quadrat 5	Quadrat 6	Quadrat 7	Quadrat 8	Quadrat 9	Quadrat 10
7a	*Hilaria rigida*	1		1							
	Larrea tridentata		4		3						
7b	*Pectis papposa*	5									
7c	*Aristida adscensionis*		3								
	Chamaesyce polycarpa			1							
	Hilaria rigida									25	

Table 2
Percent Cover of Each Species Observed in Dune Habitat by Transect and Quadrat

Transect	Plant Species	Quadrat 1	Quadrat 2	Quadrat 3	Quadrat 4	Quadrat 5	Quadrat 6	Quadrat 7	Quadrat 8	Quadrat 9	Quadrat 10
	Larrea tridentata							50			
	Palafoxia arida			1							
	Pectis papposa		3								
	Psorothamnus emoryi							1			
	Tiquilia plicata			2							
7d	*Bouteloua barbata*		3	3	1						
	Hilaria rigida										1
	Pectis papposa		7								
	Probosicidea althaeifolia				2						
7e	*Ambrosia dumosa*								5		
	Larrea tridentata			15				75			20
	Parkinsonia florida		5								
	Psorothamnus emoryi		1								
8a	*Ambrosia dumosa*	5	2								
	Larrea tridentata			25							
8b	*Hilaria rigida*							25			
	Larrea tridentata						75				
8c	*Ambrosia dumosa*	5					5				
	Larrea tridentata			50							
8d	*Ambrosia dumosa*		5						20		
9c	*Ambrosia dumosa*				60						
	Hilaria rigida				60				5		
9d	*Ambrosia dumosa*				25	10					
9e	*Larrea tridentata*							10			
10a	*Brassica tournefortii*					3			1	20	
	Larrea tridentata									25	
	Salsola tragus		7						10	20	

Table 2
Percent Cover of Each Species Observed in Dune Habitat by Transect and Quadrat

Transect	Plant Species	Quadrat 1	Quadrat 2	Quadrat 3	Quadrat 4	Quadrat 5	Quadrat 6	Quadrat 7	Quadrat 8	Quadrat 9	Quadrat 10
11a	*Larrea tridentata*			10		3					
11b	*Larrea tridentata*			25	5						
11c	*Brassica tournefortii*										1
	Larrea tridentata									15	
11d	*Hilaria rigida*			1		50		3			
	Larrea tridentata						50				

Table 3
Frequency of Species by Transect in Creosote Bush Scrub Habitat

Transect	*Ambrosia dumosa*	*Brassica tournefortii*	*Cylindropuntia ramosissima*	*Encelia farinosa*	*Fagonia laevis*	*Geraea canescens*	*Hilaria rigida*	*Krameria erecta*	*Krameria grayi*	*Larrea tridentata*	*Olneya tesota*	*Senegalia greggii*
1							2			1		
2	1									4		
3										3		
4				3			1			4		
1b										1		
1d										1		
1e										3		
2c		1		1						4	1	
2d	1									3	1	
2e										4		
3b										1		
3c									1	3		
3d										4		

Table 3
Frequency of Species by Transect in Creosote Bush Scrub Habitat

Transect	*Ambrosia dumosa*	*Brassica tournefortii*	*Cylindropuntia ramosissima*	*Encelia farinosa*	*Fagonia laevis*	*Geraea canescens*	*Hilaria rigida*	*Krameria erecta*	*Krameria grayi*	*Larrea tridentata*	*Olneya tesota*	*Senegalia greggii*
3e										2		
4a	1		1							1		
4b	1			1			1	3		2		
4c	2									3		
4d										4		
4e				1						4		
5a										2		
5b				1								
5c	1			1						1		
5d	1		1	2						7		
5e	1									2		
6a	1									5		
6b										3		
6c										5		
6d										3		
6e	3						1			2		

Table 4
Frequency of Species by Transect in Dune Habitat

Transect	*Ambrosia dumosa*	*Brassica tournefortii*	*Hilaria rigida*	*Larrea tridentata*	*Parkinsonia florida*	*Psorothamnus emoryi*	*Salsola tragus*
7a			2	4			
7b			3	3			
7c			9	3			

Table 4
Frequency of Species by Transect in Dune Habitat

Transect	*Ambrosia dumosa*	*Brassica tournefortii*	*Hilaria rigida*	*Larrea tridentata*	*Parkinsonia florida*	*Psorothamnus emoryi*	*Salsola tragus*
7d			5	1			
7e	2			2	6	1	
8a	5		1	3			
8b	7		6	1			
8c	8			1			
8d	8		10				
8e	8			2			
9a	4		3	1			
9b	3		6	1			
9c	3		6	1			
9d	11		2				
9e	5			4			
10a		1		2			9
10b			2				9
10c			3				11
10d			4				4
10e			1	2			
11a				4			
11b				2			
11c			1	3			
11d			2	2			
11e			3	4			

APPENDIX A
Transect Data

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APPENDIX D-5

Weed Wash Inspections (BIO-14)

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CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Blythe Solar - Weed Inspection Form

Record: 115	
Inspection Date	*2015-04-01*
Inspector	*Matt Martin*
Equipment ID #	*CA 69200 134114*
License Plate #	*USDOT 198130*
Equipment Model	*13114*
Equipment Description	*Water truck*
Inspector Signature	
autoemail	[redacted]

Equipment Inspection Checklist	
Was equipment free of visible seeds or any dirt that could contain weed seeds?	*Yes*
Was a Weed Inspection Sticker placed on the equipment?	*Yes*

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CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Blythe Solar - Weed Inspection Form

Record: 117	
Inspection Date	*2015-04-13*
Inspector	*Matt Martin*
Equipment ID #	*WW7K33*
Equipment Model	*Front loader CAT 938K*
Equipment Description	*Front loader for Miller*
Inspector Signature	
autoemail	[redacted]

Equipment Inspection Checklist	
Was equipment free of visible seeds or any dirt that could contain weed seeds?	*Yes*
Was a Weed Inspection Sticker placed on the equipment?	*Yes*

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FIELD DATA REPORT

Blythe Solar - Weed Inspection Form

Record: 120	
Inspection Date	*2015-04-13*
Inspector	*Matt Martin*
Equipment ID #	*SP3*
Equipment Model	*Sifter*
Equipment Description	*Tracked Soil sifter*
Inspector Signature	
autoemail	[redacted]

Equipment Inspection Checklist	
Was equipment free of visible seeds or any dirt that could contain weed seeds?	*Yes*
Was a Weed Inspection Sticker placed on the equipment?	*Yes*

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CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Blythe Solar - Weed Inspection Form

Record: 123	
Inspection Date	*2015-04-13*
Inspector	*Matt Martin*
Equipment ID #	*CG4J64*
Equipment Model	*CG4J64*
Equipment Description	*Bulldozer 850M lt*
Inspector Signature	
autoemail	[redacted]

Equipment Inspection Checklist	
Was equipment free of visible seeds or any dirt that could contain weed seeds?	*Yes*
Was a Weed Inspection Sticker placed on the equipment?	*Yes*

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CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Blythe Solar - Weed Inspection Form

Record: 126	
Inspection Date	*2015-04-14*
Inspector	*Matt Martin*
Equipment ID #	*PD5L47*
Equipment Model	*930G front loader*
Equipment Description	*Cat front loader* *Inspected and sticker applied on 4/14/15*
Inspector Signature	
autoemail	[redacted]

Equipment Inspection Checklist	
Was equipment free of visible seeds or any dirt that could contain weed seeds?	*Yes*
Was a Weed Inspection Sticker placed on the equipment?	*Yes*

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FIELD DATA REPORT

Blythe Solar - Weed Inspection Form

Record: 129	
Inspection Date	*2015-04-14*
Inspector	*Matt Martin*
Equipment ID #	*FJ6X78*
Equipment Model	*Cat back hoe 420F*
Equipment Description	*Mid sized CAT back hoe* *Inspected and sticker applied 4/14/15*
Inspector Signature	
autoemail	[redacted]

Equipment Inspection Checklist	
Was equipment free of visible seeds or any dirt that could contain weed seeds?	*Yes*
Was a Weed Inspection Sticker placed on the equipment?	*Yes*

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CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Blythe Solar - Weed Inspection Form

Record: 132	
Inspection Date	*2015-04-20*
Inspector	*Amy Anderson*
Equipment ID #	*Ra5w76*
Equipment Description	*Blue line rental back hoe*
Inspector Signature	
autoemail	[redacted]

Equipment Inspection Checklist	
Was equipment free of visible seeds or any dirt that could contain weed seeds?	*Yes*
Was a Weed Inspection Sticker placed on the equipment?	*Yes*

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CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Blythe Solar - Weed Inspection Form

Record: 135	
Inspection Date	*2015-04-13*
Inspector	*Matt Martin*
Equipment ID #	*UL3L53*
Equipment Model	*Vermeer 405*
Equipment Description	*Tracked soil sifter. Inspected and passed on April 13nth but due to flurry of activity, did not document that day*
Inspector Signature	
autoemail	[redacted]

Equipment Inspection Checklist	
Was equipment free of visible seeds or any dirt that could contain weed seeds?	*Yes*
Was a Weed Inspection Sticker placed on the equipment?	*Yes*

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FIELD DATA REPORT

Blythe Solar - Weed Inspection Form

Record: 138	
Inspection Date	*2015-04-25*
Inspector	*Amy Anderson*
License Plate #	*045uqq Colorado*
Equipment Model	
Equipment Description	*Reel trailer*
Inspector Signature	
autoemail	[redacted]

Equipment Inspection Checklist	
Was equipment free of visible seeds or any dirt that could contain weed seeds?	*Yes*
Was a Weed Inspection Sticker placed on the equipment?	*Yes*

DUDEK
CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

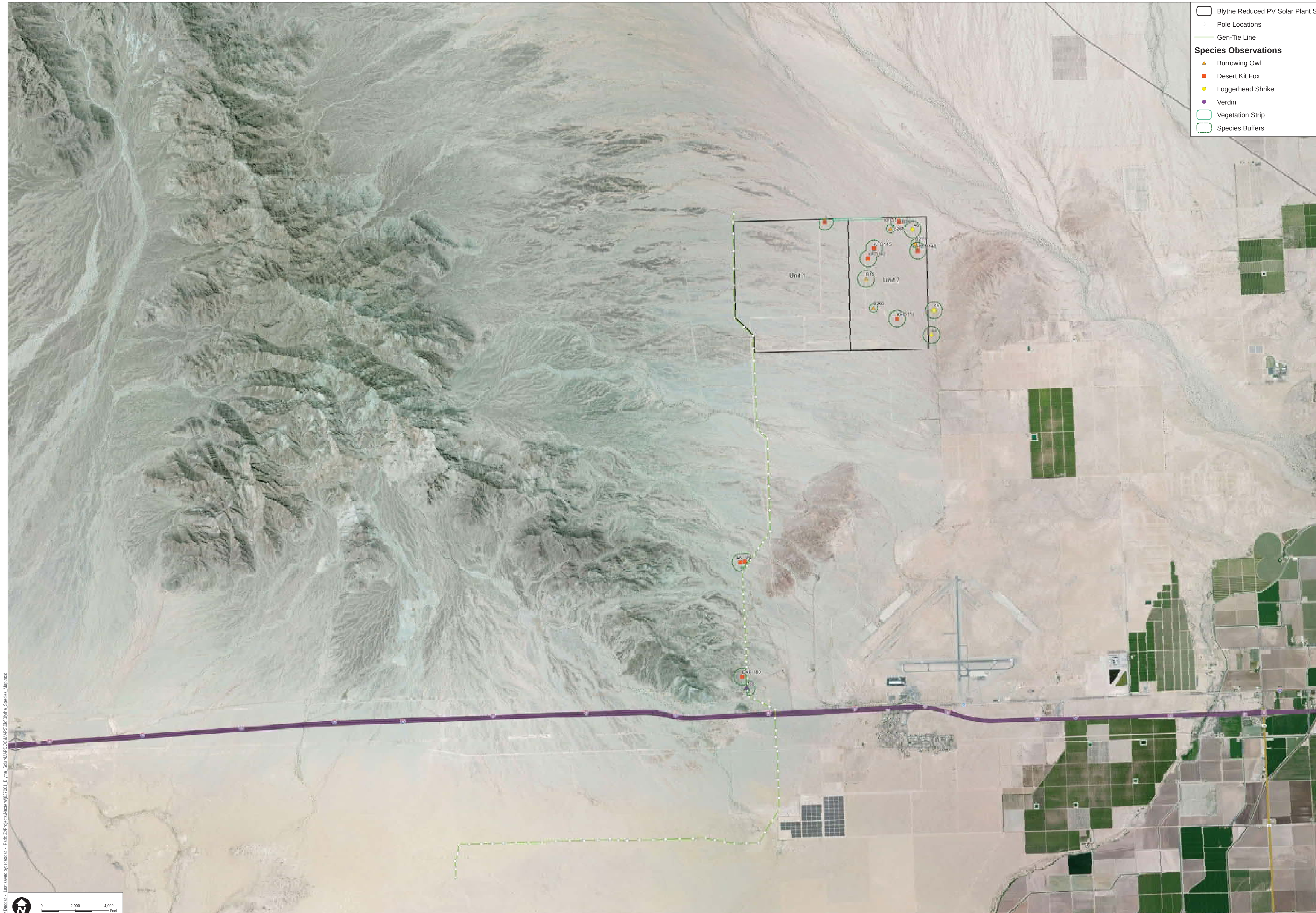
Blythe Solar - Weed Inspection Form

Record: 141	
Inspection Date	*2015-04-25*
Inspector	*Amy Anderson*
Equipment ID #	
License Plate #	*2303615 Indiana*
Equipment Model	*Freightliner*
Equipment Description	*Flat bed*
Inspector Signature	
autoemail	[redacted]

Equipment Inspection Checklist	
Was equipment free of visible seeds or any dirt that could contain weed seeds?	*Yes*
Was a Weed Inspection Sticker placed on the equipment?	*Yes*

APPENDIX D-6

Special Status Species -Wildlife (Map)



DUDEK

SOURCE: Bing 2015

FIGURE 1

BSPP Environmental Sensitive Resources

BLYTHE SOLAR POWER PROJECT - ENVIRONMENTAL RESOURCES OVERVIEW

APPENDIX E

Monthly Report for Cultural Resources

Blythe Solar Power Project (09-AFC-6C) MCR for Cultural Resources

CUL-15: Worker Environmental Awareness Program (WEAP)

Requirement: Submit past 30 days of training records

Workers Environmental Awareness Program

Every Person employed or present on the ROW, including specialty subcontractor personnel, has been instructed in environmental compliance through the Workers Environmental Awareness Program, which includes a training video and verbal instruction. In each case the new employee has signed a roster providing proof of his/her participation and received a hard-hat sticker to provide job-site training verification.

CUL-16: Construction Monitoring Program

Requirement: Submit report of any noncompliance.

On April 2, 2015, California Compaction Corporation operator/foreman Bill Miracle started scraping along the Unit 1 access road between the front gate and well pad in Unit 1 without monitors present. TCC Keith Nopah and CRM Kyle Griffith talked with him about the cultural concerns and reminded him that ground disturbance requires the notification and presence of cultural monitors. The disturbed area was checked by CRM Kyle Griffith and no cultural resources were found. No previously recorded sites were located in the area.

On April 21, 2015, construction of a path for construction equipment was begun without a cultural resources monitor present. This work was halted by the biological monitor and the area was inspected by a CRM at the end of the work day. The disturbed area measured approximately 15 feet wide by 30 feet long and between six and eight inches deep. The crew was again reminded that all ground disturbing activity must be cleared and/or monitored by a CRM and TCC.

On April 22, 2015, while monitoring trenching for southern fiber optic line, it was noticed that a trench had been excavated in the 12kv foundation which had not been monitored. The trench was most excavated on 4/21 and measured ~50 ft by 3 ft and 3 ft deep. Monitored to an excavated depth of 1ft on 4/20, the trench was excavated approximately 2ft deeper than had been previously monitored. The crew was informed that any deeper excavation there would require further monitoring. Foreman for Rosendin was reminded that all ground disturbances would require monitoring/clearance by CRM/TCC.

Requirement: Submit a summary report of construction-related monitoring and any new DPR 523A forms.

Ground disturbing activities were observed by CEC - approved Cultural Resources Monitors (CRMs) and Tribal Cultural Consultants (TCCs). Table 1 lists the number of CRMs and TCCs onsite during the month of April.

Table 1. CRMs and TCCs onsite during April (by day)

April 2015		
Date	Number of CRM	Number of TCC
4/1/2015	3	3
4/2/2015	5	4
4/3/2015	2	2
4/6/2015	4	3
4/7/2015	4	3
4/8/2015	4	6
4/9/2015	4	5
4/10/2015	1	1
4/13/2015	4	3
4/14/2015	4	3
4/15/2015	4	2
4/16/2015	4	2
4/20/2015	4	3
4/21/2015	4	4
4/22/2015	3	3
4/23/2015	3	3
4/24/2015	1	1
4/27/2015	3	1
4/28/2015	2	2
4/29/2015	2	2
4/30/2015	2	2
Number of Isolate Forms submitted- 0		
Number of Site Update Forms submitted- 0		

Construction activities were monitored in Unit 1, Unit 2, along the transmission line, and associated access roads, consisting of such activities as disking, grading, excavation, backfilling, post hole augering, and fence removal/installation. Zero artifacts were found during the month of April 2015.

APPENDIX F

Monthly Summary of Monitoring and Mitigation for Paleontological Resources

SWCA
ENVIRONMENTAL CONSULTANTS
Sound Science. Creative Solutions.

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Pasadena, CA 91105
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Ms. Mary Dyas, CPM
(09-AFC-06C)
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814

April 30, 2015

RE: PAL-5, Summary of paleontological monitoring and mitigation activities at the Blythe Solar Power Project (BSPP) for the period of April 2015

Dear Ms. Dyas,

This letter is to update you on SWCA Environmental Consultants paleontological monitoring and mitigation activities at the BSPP site during the period of April 1st through April 30th, 2015. SWCA's Paleontological Resource Monitor (PRM) Trevor Valle was onsite full time monitoring transmission line drilling operations along the linear corridor. Monitoring activity occurred in Quaternary alluvial fan and dune deposits of Late Pleistocene to Holocene age.

During the course of April monitoring no (0) fossil localities were recorded and no fossils were collected. No significant fossil resources were impacted by construction activity, and no concerns regarding paleontological resources were identified during paleontological monitoring in April, 2015.

It is a pleasure working with you on this project. If you have any questions please do not hesitate to contact me at [redacted], or at [redacted]

Respectfully,

Cara Corsetti, M.S.
Principal
Paleontological Resources Specialist, BSPP