

DOCKETED

Docket Number:	09-AFC-06C
Project Title:	Blythe Solar Power Project - Compliance
TN #:	230132
Document Title:	Blythe Solar Power Project September 2019 Monthly Compliance Report #20
Description:	Monthly Compliance Report for Blythe Solar Power Project
Filer:	Adrienne
Organization:	Dudek
Submitter Role:	Applicant Consultant
Submission Date:	10/11/2019 10:09:42 AM
Docketed Date:	10/11/2019

**Blythe Solar Power Project (BSPP)
Units 3 and 4
Eastern Riverside County, California**

**MONTHLY COMPLIANCE REPORT #20
(COC COM-6)
09-AFC-6C**

Prepared for:

**California Energy Commission
Siting, Transmission and Environmental Protection (STEP)
Division**

1516 Ninth Street, MS-2000
Sacramento, California 95814
Attn: Eric Veerkamp

**U.S. Department of the Interior Bureau of Land Management
Palm Springs South Coast Field Office**

1201 Bird Center Drive
Palm Springs, California 92262
Attn: Brandon Anderson

Prepared by:

DUDEK

78-075 Main Street, Suite G-203
La Quinta, California 92253
Contact: David Hochart

SEPTEMBER 2019

Monthly Compliance Report No. 20
Blythe Solar Power Project (BSPP), Units 3 and 4

TABLE OF CONTENTS

<u>Section</u>	<u>Page No.</u>
1 INTRODUCTION.....	1
2 CONSTRUCTION STATUS	3
2.1 Previous Reporting Period	3
2.2 Current Reporting Period.....	3
2.3 Variance Requests.....	3
3 CONDITIONS OF CERTIFICATION.....	4
3.1 Compliance and Closure.....	4
3.1.1 COM-5 Compliance Matrix.....	4
3.1.2 COM-6 Monthly Compliance Reports and Key Events List.....	4
3.2 Engineering.....	5
3.2.1 GEN-2.....	5
3.2.2 GEN-3.....	5
3.2.3 GEN-6.....	5
3.2.4 GEN-7.....	5
3.2.5 GEN-8.....	6
3.2.6 CIVIL-1.....	6
3.2.7 CIVIL-3.....	6
3.2.8 CIVIL-4.....	7
3.2.9 STRUC-1.....	7
3.2.10 STRUC-3.....	7
3.2.11 STRUC-4.....	7
3.2.12 MECH-1.....	8
3.2.13 ELEC-1.....	8
3.2.14 TSE-1.....	8
3.2.15 TSE-4.....	9
3.2.16 WORKER SAFETY-3.....	9
3.2.17 WORKER SAFETY-4.....	9
3.2.18 WORKER SAFETY-7.....	10
3.2.19 WORKER SAFETY-9.....	10
3.2.20 WORKER SAFETY-10.....	10
3.3 Environmental.....	10
3.3.1 AQ-SC-3 Construction Fugitive Dust Control (AQ-CMM Monthly Reporting).....	10
3.3.2 AQ-SC-4 Dust Plume Response Requirement	11

Monthly Compliance Report No. 20
Blythe Solar Power Project (BSPP), Units 3 and 4

TABLE OF CONTENTS

<u>Section</u>	<u>Page No.</u>
3.3.3 AQ-SC-5 Diesel-Fueled Engine Control	11
3.3.4 BIO-2 Designated Biologist Duties	12
3.3.5 BIO-4 Biological Monitor Duties	12
3.3.6 BIO-6, CUL-15, PAL-4 Worker Environmental Awareness Program (WEAP).....	12
3.3.7 BIO-7 Biological Resources Mitigation Implementation and Monitoring Plan	13
3.3.8 BIO-8 Impact Avoidance and Minimization Measures.....	14
3.3.9 BIO-9 Desert Tortoise Clearance Surveys and Fencing.....	15
3.3.10 BIO-11 Desert Tortoise Compliance Verification.....	16
3.3.11 BIO-13 Raven Management and Control Plan	16
3.3.12 BIO-14 Weed Management Plan.....	18
3.3.13 BIO-17 American Badger and Desert Kit Fox Impact Avoidance and Minimization Measures	197
3.3.14 BIO-18 Burrowing Owl Impact Avoidance, Minimization, and Compensation Measures	198
3.3.15 BIO-19 Special-Status Plant Impact Avoidance, Minimization and Compensation	208
3.3.16 SOIL&WATER-1	19
3.3.17 SOIL&WATER-4	19
3.3.18 CUL-16 Construction Monitoring Program.....	19
3.3.19 PAL-5.....	21
3.3.20 WASTE-1 UXO Identification, Training and Reporting Plan.....	220
3.3.21 WASTE-5 Hazardous Waste Generator Identification Number.....	22
3.3.22 WASTE-9 Accidental Spills	
3.4 Local Impacts.....	231
3.4.1 TRANS-3 Limitations on Vehicle Size and Weight.....	231
3.4.2 TRANS-4 Encroachment into Public Rights of Way	231
3.4.3 TRANS-6 Securing Permits/Licenses to Transport Hazardous Materials	23
3.5 Project Incidents and Corrective Actions	23

Monthly Compliance Report No. 20
Blythe Solar Power Project (BSPP), Units 3 and 4

TABLE OF CONTENTS (CONTINUED)

Page No.

APPENDICES

- A BSPP Compliance Matrix
- B Miscellaneous Submittals
- C Cultural Resources
- D Paleontological Resources

TABLES

Table 1 Key Events List.....**Error! Bookmark not defined.**

Monthly Compliance Report No. 20
Blythe Solar Power Project (BSPP), Units 3 and 4

INTENTIONALLY LEFT BLANK

Monthly Compliance Report No. 20

Blythe Solar Power Project (BSPP), Units 3 and 4

1 INTRODUCTION

The California Energy Commission (CEC), having the state statutory responsibility for licensing thermal power plants 50 megawatts 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. Conditions of Certification (COC) COM-6 requires NextEra Energy Resources LLC to submit a Monthly Compliance Report (MCR) to the CEC Compliance Project Manager (CPM) on a monthly basis throughout construction.

Construction of Units 1 and 2 commenced in January 2015 and was completed in October 2016 (22 months), with 22 MCRs submitted to the CEC during the construction phase of Units 1 and 2. Construction of Units 3 and 4 began on February 19, 2018, with Limited Notice to Proceed (LNTP) activities. The limited activities include (1) desert tortoise and other wildlife clearances, (2) cacti removal, (3) perimeter security/desert tortoise fence installation, and (4) geotechnical activities. Construction continued with additional LNTP requested activities July 25, 2019 which included work in the trailer and staging area. The final Full Notice to Proceed (NTP) was issued August 20, 2019 and full construction began August 29, 2019. This report serves as the twentieth MCR for Units 3 and 4, and has been numbered “20” to reflect initiation of the compliance reporting program for Units 3 and 4.

Monthly Compliance Report No. 20
Blythe Solar Power Project (BSPP), Units 3 and 4

INTENTIONALLY LEFT BLANK

Monthly Compliance Report No. 20

Blythe Solar Power Project (BSPP), Units 3 and 4

2 CONSTRUCTION STATUS

2.1 Previous Reporting Period

The CEC and Bureau of Land Management issued an NTP to commence activities associated with BSPP Units 3 and 4 in August 2019, and construction of NTP activities commenced on August 28, 2019. The construction activities were limited to mowing only. All of the activities that took place during the previous reporting period were conducted in compliance with applicable permits and plans.

2.2 Current Reporting Period

During this reporting period, the following activities occurred:

- Mowing of Unit 3 and Unit 4 East of Dracker Dr.
- Road Cutting
- Substation pad pours and drilling
- Pile driving
- Kit Fox Den Collapse

2.3 Variance Requests

No variance requests were submitted during this reporting period.

Monthly Compliance Report No. 20

Blythe Solar Power Project (BSPP), Units 3 and 4

3 CONDITIONS OF CERTIFICATION

Compliance with CEC COCs (BSPP Design Features) are categorized into the following sections, consistent with the CEC Presiding Member’s Proposed Decision structures: Compliance and Closure (Section 3.1), Engineering (Section 3.2), Environmental (Section 3.3), Local Impacts (Section 3.4), and Project Incidents and Corrective Actions (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 COCs. 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 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, below.

Table 1
Key Events List

Project Activity	Approximate Duration	Start Date	Status
Cacti Removal Unit 3	5 days	August 5, 2019	Complete
Cacti Removal Unit 4	5 days	August 12, 2019	Complete
Mow Unit 3 and Unit 4 East (solar array)	16 days	August 29, 2019	Complete
Mow Unit 4 West (solar array)	14 days	November 1, 2019	Not started
Unit 3 – Grade Access Roads and Perimeter	30 days	October 15, 2019	In progress
Unit 4 – Grade Access Roads and Perimeter	30 days	November 15, 2019	Not started
Unit 3 – Module Construction	9 Months	September 25	In progress
Unit 4 – Module Construction	9 Months	Oct 7, 2015	Not started

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

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 Chief Building Official (CBO) and to the CPM the schedule, the master drawing, and master specifications lists of documents for review and approval. The project owner shall provide schedule updates in the MCR.

Status: Ongoing

The master drawing and specifications list was provided to the CBO and CPM on June 28, 2019 and was approved on August 21, 2019 (Appendix B). There are no schedule updates at this time.

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.

Status: In progress.

West Coast Code Consultants (WC-3) has been contracted by the project owner for design review, plan checks, and construction inspections. 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 April 26, 2019 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.

Status: Not applicable during this reporting period

There was one special inspector for the rebar from Landmark on-site in September.

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,

Monthly Compliance Report No. 20

Blythe Solar Power Project (BSPP), Units 3 and 4

the project owner shall advise the CPM, within 5 days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.

Status: In progress.

No corrective actions were taken during this reporting period.

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 MCR, (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.

Status: No final inspections were conducted during this reporting period

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.

Status: Complete

Approval of project design, erosion and sedimentation control plan, signed and stamped calculations and specifications, and soils/geotechnical/foundation investigation reports was submitted to the agencies on August 2, 2019.

3.2.7 CIVIL-3

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

Status: Not applicable during this reporting period.

No non-conformance activities occurred and there were no grading operations to inspect during this reporting period.

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

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.

Status: In progress.

Please see the attached approval of grading plans in Appendix B.

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 laws, ordinances, regulations, and standards (LORS).

Status: Not applicable during this reporting period

3.2.10 STRUC-3

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

Status: Not applicable during this reporting period.

No design changes were submitted and approved during 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.

Status: Not applicable during this reporting period

No CBO inspections of plan checks occurred during this reporting period.

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

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.

Status: Not applicable during this reporting period.

No CBO inspections of final plans were completed during this reporting period.

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.

Status: In progress.

See attached ELEC-01 approval in Appendix B.

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 CEC decision.

Status: Not applicable during this reporting period.

No delay or testing of major electrical equipment occurred during this reporting period.

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.

Status: Not applicable during this reporting period.

No construction of transmission facilities occurred during this reporting period.

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

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 MCR.

Status: Not applicable during this reporting period.

No final design plans, specifications, and calculations for equipment were submitted to the CBO during this reporting period.

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 (4) A report of accidents and injuries that occurred during the month.

Status: In progress.

Thomas Oaks of Cupertino Electric Inc. served as the designated CSS for September 2019. All information was submitted according to Worker-Safety 3 and is included in Appendix B, "Miscellaneous Submittals." All personnel on site were required to undergo safety training, which was held in conjunction with the Worker Environmental Awareness Program (WEAP) Training. A record of personnel having received WEAP training is included in Appendix B. In addition, every morning, an all-hands safety meeting is held prior to the initiation of any activities. No safety incidents or unresolved situations occurred during this reporting period.

3.2.17 WORKER SAFETY-4

Requirement: 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.

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

Status: Complete.

Proof of the agreement to fund Safety Monitor services during LNTP activities, as well as the detailed scope of work of those services, was submitted to the CPM for review during the February 2018 reporting period. A copy of the submittal was included in Appendix B, Miscellaneous Submittals of the February 2018 MCR. Proof of the agreement to fund Safety Monitor services during NTP activities, as well as the detailed scope of work of those services, was submitted to the CPM for review April 26, 2019.

3.2.18 WORKER SAFETY-7

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

Status: Complete.

Payment to the RCFD was provided in December 2014, prior to the initiation of construction activities for Units 1 and 2. A copy of the letter confirming the payment was included in Appendix B, Miscellaneous Submittals, of the February 2018 MCR.

3.2.19 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.

Status: Not applicable during this reporting period.

No comments were received from RCFD on fire detection and suppression systems during this reporting period.

3.2.20 WORKER SAFETY-10

Requirement: Include reports of heat-related and valley fever incidences.

Status: Not applicable during this reporting period.

No reports of heat-related and/or valley fever incidences were reported during this reporting period.

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

3.3 Environmental

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

Requirement: Submit Air Quality Construction Mitigation Manager (AQ-CMM) compliance documentation.

Status: In progress.

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

Under the direction of the AQ-CMM and as per the Air Quality Construction Mitigation Plan, the following measures have been taken to maintain compliance:

- All workers have been instructed in fugitive dust prevention as part of their WEAP training.
- Unpaved roads are wetted daily.
- Fugitive dust control mitigation measures are a topic at contractor tailboard meetings once a week or more, 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 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.

All dust MM's were followed and complied with this period and no work was suspended due to dust.

3.3.2 AQ-SC-4 Dust Plume Response Requirement

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

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

Status: In progress.

As per AQ-SC4, a policy of fugitive dust monitoring has been established for the BSPP. No dust plume observations requiring a work stoppage due to air quality concerns were observed during this reporting period.

3.3.3 AQ-SC-5 Diesel-Fueled Engine Control

Requirement: Submit compliance documentation for diesel emissions.

Status: In progress.

During this reporting period, three farm tractors with mowers, one skid steer with mulcher, three water trucks, six fork lifts, three bulldozers, ten pile drivers, one roller and one skip loader were on site. Documentation of compliance is provided in Appendix B.

3.3.4 BIO-2 Designated Biologist Duties

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

Status: In progress.

The Designated Biologist oversaw biological monitoring activity this reporting period and served as the lead biological contact for the project owner and the agencies. Pre-construction surveys were conducted for American Badger, Desert Kit Fox and Burrowing Owls and a report outlining the results was submitted under separate cover on August 22, 2019.

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.

Status: In progress.

Biological Monitors were present during all construction activities occurring on the right-of-way (ROW) this reporting period. Biological monitoring included performing pre-construction surveys, wildlife sweeps and providing clearances ahead of equipment, walking behind equipment

Monthly Compliance Report No. 20

Blythe Solar Power Project (BSPP), Units 3 and 4

for a second round of wildlife sweeps, and ensuring that Endangered Species Act-designated wildlife buffers were avoided by all crews. Biological Monitors ensured that crews were working within designated work areas and checking for wildlife under parked vehicles, and communicated with crews on trash collection and containment procedures.

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

Requirement: Submit training records for the reporting period.

Status: In progress.

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, and to ensure all personnel are aware of the requirements for implementing work practices designed to protect those resources, as well as the 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.

During this reporting period a total of 5 personnel received WEAP training. The WEAP sign-in sheets are included in Appendix B.

3.3.7 BIO-7 Biological Resources Mitigation Implementation and Monitoring Plan

Requirement: Implementation of Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) measures (for example, construction activities that were monitored, species observed) shall be reported in the MCRs by the Designated Biologist.

Status: In progress.

The Designated Biologist and several Biological Monitors have overseen all LNTP and NTP activities to ensure compliance with the BRMIMP. Implementation of measures specific to mitigation plans (e.g. the Desert Tortoise Plan) are included in those sections. During this reporting period, implementation of BRMIMP procedures included:

- Advising the project owner and contractors on the implementation of the Biological Resource COCs;

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

- 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 pre-construction 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 LNTP and NTP 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; and
- Inspecting areas of high traffic activity for animals in harm's way.

3.3.8 BIO-8 Impact Avoidance and Minimization Measures.

Requirement: The project owner shall undertake measures to manage the construction site and related facilities in a manner to avoid or minimize impacts to biological resources.

Status: In progress.

The following provides a summary on how minimization measures were implemented for biological resources during this reporting period:

Limit Areas of Disturbance. Prior to initiating any ground disturbance activities, staking or existing fencing was in place along the ROW to identify the limits of LNTP and NTP activities and the ROW limits. Environmental monitors verified that crews remained within the ROW and work limits during construction.

Avoid Use of Toxic Substances: Toxic soil binders were not used on the project site.

Monitor During Construction. Environmental monitors were present during all LNTP and NTP activities as required. Environmental monitors were assigned to work with crews at the morning

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

tailboard and each crew had an archaeologist, Tribal Cultural Consultants, 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. Daily reminders to check under vehicles, and overall desert tortoise awareness, are provided at the morning tailboards by the Designated Biologist.

Dispose of Road-Killed Animals. Seventeen wildlife mortalities were reported during this reporting period. Mortalities are identified under BIO-13 of this report.

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.

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.

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.

Status: In progress.

Post-fence installation desert tortoise clearance surveys were completed for Unit 4, West of Dracker Drive in May 2018, and Units 3 and 4, East of Dracker in November 2018. Results of these surveys were provided to the agencies under separate cover.

Monthly Compliance Report No. 20 **Blythe Solar Power Project (BSPP), Units 3 and 4**

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

Status: In progress.

The Designated Biologist and Biological Monitors remained on site on a daily basis while ground disturbance 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. Monitors checked all exclusion zones to ensure that signs, stakes, and fencing were intact and that human activities are restricted in these protective zones.

Desert Tortoise exclusion fencing installation was completed for Unit 4 West of Dracker Drive, and for Units 3 and 4 East of Dracker Drive. Inspections of Unit 4 West and Units 3 and 4 East are occurring as required, and inspections will be conducted on a monthly basis and after rainfall events, per the Desert Tortoise Translocation Plan.

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).

Status: In progress.

Activities associated with this measure are in progress. See below for a summary.

Monthly Point Count Surveys

Monthly point count surveys were conducted this month in accordance with the Raven Management and Control Plan (September 2014). Surveys are conducted at pre-designated locations throughout the Project Disturbance Area during construction. Table 2, Raven Observation Summary, provides a summary of raven point count surveys conducted during the reporting period. As seen in Table 2, 0 ravens were observed during the point count surveys conducted during this reporting period. In addition, 33 raven observations were documented during routine construction monitoring in September 2019.

Monthly Compliance Report No. 20
Blythe Solar Power Project (BSPP), Units 3 and 4

Table 2
Raven Observation Summary

Date	Location	Number of Ravens Observed	Description of Observation
<i>Monthly Point Count Observations</i>			
9/03/2019	Location 1—Transmission Line South	0	No additional information
9/03/2019	Location 2 – Transmission Line North	0	No additional information
9/03/2019	Location 3 – Well Pad Site	0	No additional information
9/13/2019	Location 4 – Unit 1	0	No additional information
9/13/2019	Location 5 – Unit 4	0	No additional information

Avian and Wildlife Carcass Removal

In accordance with the Biological Opinion for the project, weekly reporting (or depending on Special Purpose Utility reporting requirements) is required for avian and wildlife carcass removal.

Table 3, Wildlife Mortalities, includes a summary of mortalities this month. No mortalities resulted in incidental take under the USFWS BO or CDFW ITP.

Table 3
Wildlife Mortalities

Date	Number of Mortalities	Species	Location	Project-Related/Action
9/01/2019	1	Merriam's Kangaroo Rat	Unit 3	Y-Removed
9/04/2019	1	Merriam's Kangaroo Rat	Unit 3	Y-Removed
9/10/2019	1	Desert Iguana	Unit 3	Y-Removed
9/10/2019	2	Merriam's Kangaroo Rat	Unit 3	Y-Removed
9/11/2019	1	Desert Kangaroo Rat	Unit 3	Y-Removed
9/12/2019	2	Merriam's Kangaroo Rat	Unit 3	Y-Removed
9/13/2019	1	Desert Iguana	Unit 4	Y-Removed
9/13/2019	1	Tiger Whiptail	Unit 4	Y-Removed
9/13/2019	1	Sidewinder	Unit 3	Y-Removed
9/16/2019	1	Desert Iguana	Unit 3	Y-Removed
9/17/2019	1	Pocket Mouse	Unit 3	Y-Removed
9/19/2019	1	Tiger Whiptail	Unit 3	Y-Removed
9/24/2019	1	Desert Horned Lizard	Unit 3	Y-Removed
9/24/2019	1	Desert Iguana	Unit 3	Y-Removed

Monthly Compliance Report No. 20
Blythe Solar Power Project (BSPP), Units 3 and 4

Table 3
Wildlife Mortalities

Date	Number of Mortalities	Species	Location	Project-Related/Action
9/30/2019	1	Black-tailed Jackrabbit	Dracker Road	Y-Removed

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). 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 MCR (Section 7.1 of the Plan).

Status: In progress.

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.

During this reporting period, all vehicles and new construction equipment were inspected by environmental monitors to ensure they were free of invasive debris (weed seeds, plant parts, or mud and dirt) prior to being allowed on site. No vehicles or construction equipment were observed to be in an unsatisfactory condition.

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

WEAP training is administered to all new personnel on the project site (see BIO-6) and includes information regarding preventative measures for the spread of invasive weeds.

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.

Status: In progress.

New potentially active desert kit fox dens were discovered (Dens F, G, H, and I) in Unit 3. A 500-foot buffer was observed around each and all crews were instructed to avoid the dens. Once determined inactive, the inactive dens were excavated. Passive hazing continues for active dens according to the Desert Kit Fox and American Badger Monitoring and Management Plan.

Impact Avoidance Measures

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

Speed Limits. All construction personnel attended a WEAP training prior to working on site that notified all construction personnel of the required speed limit (20 mph). Environmental monitors did not observe any issues/concerns with adherence to the speed limit provisions during this reporting period.

No-Disturbance Buffers: A 500-foot, no-disturbance buffer was maintained in accordance with the Desert Kit Fox and American Badger Monitoring and Management Plan for Den 5 located in Unit 4 East, east of Dracker Drive, and Dens B, F, G, H, and I located in Unit 3.

All construction crews were observed adhering to the no-disturbance buffers, and no issues or concerns were observed during this reporting period.

Excavations: Dens B, F, G, H, and 5 were excavated following three consecutive days of inactivity, as confirmed by camera monitoring.

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

Requirement: Submit burrowing owl mitigation compliance documentation.

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

Status: In progress.

No burrowing owl individuals or signs were detected during this monitoring period.

No burrowing owl burrows were excavated this reporting period, and no artificial burrows were implemented.

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.

Status: In progress.

As documented in the Special-Status Plant Protection Plan (September 2014), Abrams' spurge (*Euphorbia [Chamaesyce] abramsiana*), a California Native Plant Society Rare Plant Rank 2B.2 and California Natural Diversity Database 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.

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

3.3.16 SOIL&WATER-1

Requirement: Submit documentation regarding compliance with Drainage, Erosion, and Sediment Control Plan.

Status: Not applicable during this reporting period.

A Drainage, Erosion, and Sediment Control Plan was resubmitted and approved June 2019.

3.3.17 SOIL&WATER-4

Requirement: Beginning 6 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.

Monthly Compliance Report No. 20

Blythe Solar Power Project (BSPP), Units 3 and 4

Status: Completed

Water for construction is pumped from BSPP Well-2 Well measurements will be taken concurrent with transponder installation and a monitoring report will be issued separately. 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 and attach any new DPR 523A forms completed for finds treated prescriptively, as specified in the Cultural Resources Monitoring and Mitigation Plan.

Status: In progress.

A monthly summary report, which will include any new DPR 523A forms completed for finds treated prescriptively, will be prepared by the Cultural Resources Specialist in accordance with this requirement and will be submitted to the agencies under separate confidential cover. A high-level monthly summary, summarizing the monitoring efforts for this reporting period is included in Appendix C, Cultural Requirements.

3.3.19 PAL-5 Construction Monitoring Program

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

Status: In progress.

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, full-time monitoring is required during excavations greater than 5 feet in depth in Units 3 and 4. During this reporting period, drilling to depths greater than 5 feet

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

did occur on the east side of the substation and was monitored as required. A high-level monthly summary, summarizing the monitoring efforts for this reporting period is included in Appendix D, Paleontological Requirements.

3.3.20 WASTE-1 UXO Identification, Training, and Reporting Plan

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

Status: In progress.

A full-time UXO technician is present at the site and monitoring daily activities. An aircraft crash site was documented in Unit 3 and munitions were identified, including bullet casings, links, bullets, and cartridges. The munitions of concern were documented, collected, and disposed of in accordance with the UXO Identification, Training, and Reporting Plan.

3.3.21 WASTE-5 Hazardous Waste Generator Identification Number

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

Status: In progress.

No hazardous waste generation took place during this reporting period.

3.3.22 WASTE-9 Accidental Spills of Hazardous Substances

Requirement: 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.) 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.

Status: In progress.

A total of one spill of diesel fuel occurred during the month of September. The spill was cleaned up and disposed of in an appropriate manner and in compliance with any permit conditions or

Monthly Compliance Report No. 20 Blythe Solar Power Project (BSPP), Units 3 and 4

local, State, or Federal regulations. Copies of spill documentation are provided in Appendix B, Miscellaneous Submittals.

3.4 Local Impacts

3.4.1 TRANS-3 Limitations on Vehicle Size and Weight

Requirement: Report permits received from the California Department of Transportation (Caltrans) and/or County for overweight or oversized vehicles and any other necessary transportation permits to the CPM.

Status: Not applicable during this reporting period.

No new permits for overweight or oversized vehicles 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.

Status: Not applicable during this reporting period.

No encroachment permits were received from Caltrans and/or the County this reporting period.

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

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

Status: Not applicable during this reporting period.

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 noncompliance incidents, project incidents, or corrective actions were issued during this reporting period.

APPENDIX A

BSPP Compliance Matrix

Blythe Solar Power Project Units 3 and 4 Construction Compliance Matrix

Updated:9/4/19

Status Legend	Start of Construction	8/1/19
Complete	Anticipated Completion of BSPP 3&4	7/1/20
Condition to be completed or in compliance	Desert Tortoise Clearance Surveys	Complete
ACR		
MCR Item		
No Action Unless Event Occur		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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	Complying		
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	Complying		
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	Complying		
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	Complying		
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	Complying		
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	Complying		
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	12/1/17 and 1/16/18	1/16/2018

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complete		8/16/2019
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	MCR		
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	MCR		
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	MCR		
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	ACR		
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			
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		
16	<u>Amendments, Staff-Approved Project Modifications, Ownership Changes, and Verification Changes.</u> 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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			
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			
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	7/1/20	
21	<p>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:</p> <ol style="list-style-type: none"> 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. <p>The notice shall describe the circumstances, status, and expected duration of the incident.</p>	Incident	COM-13			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
22	<p>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:</p> <ol style="list-style-type: none"> 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			
23	<p>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</p>	Incident	COM-13			
24	<p>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.</p>	Non-Operation	COM-14			
25	<p>Written updates to the CPM for non-operational periods, until operation resumes, shall include:</p> <ol style="list-style-type: none"> 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			
26	<p>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.</p> <ol style="list-style-type: none"> 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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Plans	COM-15	Ongoing	8/30/20	
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		
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			
30	Air Quality Construction Mitigation Manager (AQCM): The project owner shall designate and retain an on-site AQCM 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 AQCM may delegate responsibilities to one or more AQCM Delegates. The AQCM and AQCM 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 AQCM and AQCM Delegates may have other responsibilities in addition to those described in this Condition. The AQCM shall not be terminated without written consent of the Compliance Project Manager (CPM).	Ground	AQ-SC-1	Complying	12/14/2017	1/23/2018
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 AQCM and all AQCM Delegates.	Ground	AQ-SC-1	Complying	12/14/2017	1/23/2018
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	5/29/2014	7/17/2014
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 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 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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			
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	Complying		
36	Visible speed limit signs shall be posted at the construction site entrances.	Signs	AQ-SC-3			
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	N/A		
39	All unpaved exits from the construction site shall be graveled or treated to prevent track-out to public roadways.	Roads	AQ-SC-3	Complying		
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	Complying		
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	Complying		
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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	Complying		
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	Complying		
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	MCR		
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			
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	MCR		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
49	Diesel-Fueled Engine Control: The AQCOMM 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	MCR		
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 AQCOMM demonstrates that such engine is not available for a particular item of equipment.	Equipment	AQ-SC-5	Complying		
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	Complying		
52	The AQCOMM 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 AQCOMM 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	MCR		
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	Complying		
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	5/2/20	
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	6/1/20	
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	8/30/20	
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			
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	ACR		
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	Complying	5/27/2015	6/18/2015
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	Complying		
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	Complete		
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	6/24/2014	6/25/2014

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Ongoing	4/2/20	
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	Complying		
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	Ongoing	4/2/20	
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: <ul style="list-style-type: none"> • 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	8/13/2014	8/20/2014
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	8/13/2014	8/20/2014

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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: <ul style="list-style-type: none"> • 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	Ongoing	4/2/2020	
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	Ongoing	4/2/2020	
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	Complying	12/14/2017	1/8/2018
72	The CSS shall submit in the Monthly Compliance Report a monthly safety inspection report			MCR		
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	Complying	12/14/2017	1/8/2018
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	Complying		
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

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	2/16/2018	2/16/2018
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	1/9/2018	1/11/2018
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	Complete		
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	1/18/2018	1/31/2018
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	Dec-15	
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	Complete		
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	7/17/2014

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	N/A		
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	MCR		
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	ACR		
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			
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			
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	Complying	1/15/2018	Dave Hochart's email 1/18/2018
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	Complying	1/15/2018	Hochart's email 1/18/2018
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			
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	MCR		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying	1/15/2018	Dave Hochart's email 1/18/2018
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	Complying		
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		
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	MCR		
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	ACR		
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	Complying		
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
100	If the Designated Biologist is unavailable for direct consultation, the Biological Monitor shall act on behalf of the Designated Biologist.	Biology	BIO-5	Complying		
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			
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			
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	8/6/2014	8/18/2014
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	8/6/2014	8/18/2014
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	MCR		
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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	Complying		
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	10/27/2014	10/28/2014
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	Complete	10/27/2014	10/28/2014
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		
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.	Aerial Photos	BIO-7		9/29/20	
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.	Vegetation	BIO-7		9/29/20	
114	Any changes to the approved BRMIMP must be approved by the CPM in consultation with BLM, CDFW, and USFWS.	Biology	BIO-7			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	MCR		
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		7/31/20	
117	<p>1. <u>Limit Disturbance Areas.</u> Equipment maintenance and refueling shall not be conducted within 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.</p> <p>2. <u>Minimize Road Impacts.</u> 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.</p>	Biology	BIO-8	Complying		
118	<p>3. <u>Minimize Traffic Impacts.</u> 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.</p>	Biology	BIO-8	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
119	<p>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.</p> <p>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.</p>	Biology	BIO-8			
120	<p>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.</p>	Biology	BIO-8	N/A		
121	<p>7. Avoid Use of Toxic Substances. Soil bonding and weighting agents used on unpaved surfaces shall be non-toxic to wildlife and plants.</p> <p>8. Minimize Lighting Impacts. Facility lighting shall be designed, installed, and maintained to prevent side casting of light towards wildlife habitat.</p>	Biology	BIO-8	Complying		
122	<p>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:</p> <p>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</p> <p>b. the Designated Biologist or Biological Monitor monitors active nests within the range of construction-related noise exceeding 65 dBA.</p>	Biology	BIO-8	Complying		
123	<p>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 (USEWS 2009).</p>	Biology	BIO-8			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
124	<p>11. Avoid Wildlife Pitfalls. To avoid trapping desert tortoise and other wildlife in trenches, pipes or culverts, the following measures shall be implemented:</p> <p>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.</p> <p>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.</p>	Biology	BIO-8	Complying		
125	<p>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.</p> <p>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.</p>	Biology	BIO-8	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
126	<p>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.</p> <p>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.</p>	Biology	BIO-8	Complying		
127	<p>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:</p> <p>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;</p> <p>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</p> <p>c. Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.</p>	Biology	BIO-8	Complying		
128	<p>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.</p> <p>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.</p> <p>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.</p>	Biology	BIO-8	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
129	<p>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.</p> <p>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.</p>	Biology	BIO-8	Complying		
130	<p>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:</p> <p>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</p> <p>b. relative cover and density of plant species within the temporarily disturbed areas shall equal at least 60 percent.</p>	Biology	BIO-8			
131	<p>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.</p>	Biology	BIO-8	N/A		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	ACR		
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	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		7/31/20	
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	ACR		
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			
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	Complete		
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
139	<p>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.</p> <p>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.</p> <p>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.</p>	Biology	BIO-9	Complete		
140	<p>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.</p>	Biology	BIO-9	Complying		
141	<p>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.</p>	Biology	BIO-9		Complete	
142	<p>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.</p> <p>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.</p>	Biology	BIO-9		Complete	

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complete		
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	Complete		
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	Complete	9/23/2014	10/1/2014
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	9/23/2014	10/1/2014
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		
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	Complying		
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				
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	MCR		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
151	<p>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:</p>	Biology	BIO-11			
152	<p>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.</p> <p>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.</p> <p>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.</p>	Biology	BIO-11			
153	<p>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</p>	Biology	BIO-11		7/31/20	
154	<p>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.</p>	Biology		Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			
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	Complete	#REF!	
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	MCR		
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	2/8/2018	2/16/2018
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	Complete	2/8/2018	2/16/2018
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	Complete		
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	9/24/2014	10/1/2014

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	9/24/2014	10/1/2014
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		7/31/20	
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	ACR		
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	Complying		
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	9/23/2014	10/3/2014
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		7/31/20	
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	ACR		
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	Complete		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complete		
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			
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			
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	Complying		
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	ACR		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complete	9/24/2014	10/1/2014
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	9/24/2014	10/1/2014
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	Complete		
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			
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			
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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	9/24/2014	10/1/2014
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	2/20/2014	
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	2/26/2018	
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			
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	MCR		
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		8/15/20	

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complete		
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	Complying		
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			
196	4. Acquire 39 Acres of Burrowing Owl Habitat.	Burrowing Owl	BIO-18			
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			
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			
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	MCR		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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		7/31/20	
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	N/A		
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, erosion and sediment control measures, avoid special-status plant occurrences and monitoring and reporting requirements.	Vegetation	BIO-19A	Complying		
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	Complying		
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	Vegetation	BIO-19A	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
206	<p>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.</p> <p>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.</p> <p>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.</p>	Vegetation	BIO-19A	Complying		
207	<p>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.</p> <p>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.</p>	Vegetation	BIO-19A	Complying		
208	<p>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:</p> <p>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.</p>	Vegetation	BIO-19B	Complete		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
209	<p>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.</p>	Vegetation	BIO-19B	Complete		
210	<p>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.</p> <p>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 CNDDDB, 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 CNDDDB forms for each ‘occurrence’ (as defined by CNDDDB).</p>	Vegetation	BIO-19B	Complete		
211	<p>5. Reporting. Raw GPS data, metadata, and CNDDDB 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.</p> <p>The Final Summer-Fall Botanical Survey Report shall be prepared consistent with CDFW guidelines (CDFW 2009), and BLM 2009 guidelines</p>	Vegetation	BIO-19B	Complete		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
212	<p>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.</p> <p>1. Mitigation for CNDDDB Rank 1 Plants (Critically Imperiled) - Avoidance Required: If late blooming species with a CNDDDB 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.</p>	Vegetation	BIO-19C	Complete		
213	<p>2. Mitigation for CNDDDB Rank 2 Plants (Imperiled) –Avoidance on Linears Required: If species with a CNDDDB 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.</p>	Vegetation	BIO-19C			
214	<p>3. Mitigation for CNDDDB Rank 3 Plants – No On-Site Avoidance Required Unless Local or Regional Significance: If species with a CNDDDB rank of 3 are 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 CNDDDB rank 2 plant species. A plant occurrence would be considered to have local or regional significance if:</p> <ul style="list-style-type: none"> 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			
215	<p>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.</p>	Vegetation	BIO-19C			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	No SSP's on-site		
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	No SSP's on-site		
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				
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	Complying		
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	Complete	9/30/2014	9/30/2014

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
221	Raw GPS data, metadata, and CNDDDB 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	9/30/2014	9/30/2014
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			
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		
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			
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	MCR		
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
229	<p>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.</p>	Water	BIO-22	Complete		
230	<p>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:</p> <ul style="list-style-type: none"> 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	Complying		
231	<p>5. Best Management Practices: The project owner shall also comply with the following Conditions to protect drainages near the Project Disturbance Area:</p> <ul style="list-style-type: none"> 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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
232	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	Water	BIO-22	Complying		
233	<p>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.</p>	Water	BIO-22	MCR		
234	<p>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.</p>	Water	BIO-22	Complete		
235	<p>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.</p>	Water	BIO-22		9/29/20	
236	<p>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.</p>	Water	BIO-22		#REF!	
237	<p>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.</p>	Decommissioning	BIO-23			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	7/15/2014	8/27/2014
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	1/1/2020	
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			
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		4/1/2020	
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			
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 breeding ponds	CST	BIO-26	Complete	9/12/2014	9/24/2014

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			
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	Complete		
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	Complete		
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	Complete		
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	Complete		
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		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			6/24/2019
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			6/24/2019
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	MCR		
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	ACR		
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	10/8/2014	10/20/2014
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			
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		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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			
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			
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	6/12/2014	6/12/2014
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 foot 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		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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		
275	<p>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).</p> <p>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</p> <p>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</p>	Water	SOIL & WATER-5C			
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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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 <u>this Condition</u>	Water	SOIL & WATER-5C			
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 <u>the report data and interpretations.</u>	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 <u>the report data and interpretations.</u>	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 <u>the property owner as determined by the CPM.</u>	Water	SOIL & WATER-5		3/31/18	
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	Complying		
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		1/1/2021	
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 <u>provisions of this Condition.</u>	Water	SOIL & WATER-6			
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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			
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	Complying		
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	Complete		
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			
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	ACR		
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 and	Water	SOIL & WATER-10			
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		
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			6/18/2019
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: <ul style="list-style-type: none"> 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	Complete		
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			6/18/2019

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			
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			
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			
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		
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 maintenance and inspection of storm water controls, and implementing a response plan to clean up damage and address issues.	Water	SOIL & WATER 19	Complying		
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	Complying		
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			
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			
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	5/2/20	
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	Complying		
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		12/1/2019	
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			
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	Complete	2/2/2018	2/6/2018
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			
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	2/2/2018	2/6/2018
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	2/2/2018	2/6/2018

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			
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	2/2/2018	2/6/2018
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	2/2/2018	2/6/2018
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	Complying		
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	Complying		
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	Complete	1/18/2018	1/18/2018
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	Complete	1/18/2018	1/18/2018
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	Complying		
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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	1/18/2018	1/18/2018
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	1/18/2018	1/18/2018
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			
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	1/18/2018	1/18/2018
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	1/18/2018	1/18/2018
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			
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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			
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	Complying		
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 entities ¹⁸ 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 DTCCI.	CUL	CUL-5	Complete		
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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	Complying		
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	Complying		
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		
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	Complete		
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	Complete		
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	Complete		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complete		
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	Complete	#REF!	
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	Complete	#REF!	
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	Complete		
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	Complete		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
355	Present the final results of data recovery at these prehistoric sites in the CRR, as described in CUL-18 .	CUL	CUL-7	Complete		
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	Complete		
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	Complete		
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	Complete		
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	Complete		
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	Complete		
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		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complete		
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	Complete		
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	Complete		
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	Complete		
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		
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	Complete		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
372	<p>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:</p> <p>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.</p> <p>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.</p>	CUL	CUL-10	Complete		
373	<p>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.</p>	CUL	CUL-10	Complete		
374	<p>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).</p>	CUL	CUL-10	Complete		
375	<p>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.</p>	CUL	CUL-10	Complete		
376	<p>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.</p>	CUL	CUL-10	Complete		
377	<p>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</p>	CUL	CUL-11	Complete		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
378	<p>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:</p> <p>a. Letter reports may address one site, or multiple sites depending on the needs of the CRS; and</p> <p>b. 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.</p> <p>c. The letter report shall make a recommendation on whether each site is a contributor to the DTTCL.</p>	CUL	CUL-11	Complete		
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	Complete		
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	Complete		
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		
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	Complete		
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		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complete		
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	Complete		
388	Within 15 days after the CPM approves the report, the project owner shall forward it to the DTCCL PI-Historian.	CUL	CUL-13	Complete		
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	Complete		
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		
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	Complete		
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		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	MCR		
396	<p>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:</p> <ol style="list-style-type: none"> 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	Complying		
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 . 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	Complying		
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	Complying		
399	The research design in the CRMMP shall govern the collection, treatment, retention/disposal, and curation of any archaeological materials encountered.	CUL	CUL-16	Complying		
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	Complying		
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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			
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	MCR		
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			
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			
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			
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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			
413	<ol style="list-style-type: none"> 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			
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			
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		12/28/20	
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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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	Complete		
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	Complete		
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	Complying	1/29/2018	2/12/2018
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	Complying		
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	Complying		
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	Complying	2/8/2018	2/13/2018
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			
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			
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	Complying		
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			
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		
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			
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	MCR		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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	Complying		
439	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	PAL	PAL-5	Complying		
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	MCR		
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	Complying		
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying	9/29/20	
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 activities 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	Complying	1/9/2018	1/19/2018
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			
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			
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			
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	N/A		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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			
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			
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			
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	6/1/20	
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	ACR		
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	Complying		
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	Complying		
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			
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	Complying		
461	The project owner shall document all project-related solid waste disposal actions to the Compliance Project Manager annually.	WASTE	WASTE-10	Ongoing		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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: <ul style="list-style-type: none"> • 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			
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			
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		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
467	<p>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:</p> <p><u>Mondays through Fridays:</u></p> <p>June through September: 6 a.m. to 7 p.m. October through May: 6 a.m. to 6 p.m.</p> <p>Saturdays: 9 a.m. to 5 p.m.</p> <p>Sundays and Federal holidays: No Construction Allowed</p> <p>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.</p>	NOISE	NOISE-6	Complying		
468	<p>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.</p>	NOISE	NOISE-6	Complete	12/19/2014	
469	<p>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.</p>	SOCIO	SOCIO-1	Complete		
470	<p>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.</p>	SOCIO	SOCIO-1	Complete		
471	<p>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.</p>	TRANS	TRANS-1	Complete	7/10/2019	
472	<p>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</p>	TRANS	TRANS-2	Complete	7/10/2019	
473	<p>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.</p>	TRANS	TRANS-2	Complete		
474	<p>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.</p>	TRANS	TRANS-2	Complete		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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	Complying		
477	In the Monthly Compliance Reports (MCRs), the project owner shall submit copies of any permits received during that reporting period.	TRANS	TRANS-3	MCR		
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	#REF!	
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	Complying		
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	MCR		
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	Complying		
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	Complete		
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		
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		8/30/20	
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	MCR		
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			
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: <ul style="list-style-type: none"> • 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			
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			
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	Complete		
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	Complying	12/1/2019	

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying	12/1/2019	
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-refractive.	VIS	VIS-1	Complying		
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	Complying		
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 and 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	VIS	VIS-1			
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		7/1/20	
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			
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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complete		
501	The project owner shall not order any exterior lighting until receiving CPM approval of the lighting mitigation plan.	VIS	VIS-3	Complete		
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		7/1/20	
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			
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	Complying		
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	Complying		
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	Complying		
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	Complying		
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	Complying		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
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	Complying		
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	Complete		
511	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			
512	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			
513	The CBO may deputize inspectors to carry out the functions of the code enforcement agency.	Mechanical	Mech-2	Complying		
514	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			
515	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	MCR		
516	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			
517	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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
518	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			
519	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			
520	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			
521	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			
522	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	MCR		
523	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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
524	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		
525	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	Complete		
526	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		
527	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	Complete		
528	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		
529	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	Complete		
530	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	Complete		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
531	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, <i>Duties and Responsibilities of the Special Inspector</i> ; Appendix, Chapter 33, § 3317.7, <i>Notification of Noncompliance</i>). 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	Complete		
532	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	Complete		
533	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	Complete		
534	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	Complete		
535	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	Complete		
536	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	Complete		
537	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	Complete		
538	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	Complete		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
539	The project conductors shall be sized to accommodate the full output of the project.	Transmission	TSE-5	Complete		
540	Termination facilities shall comply with applicable SCE interconnection standards.	Transmission	TSE-5	Complete		
541	<p>The project owner shall provide to the CPM:</p> <ul style="list-style-type: none"> 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	Complete	1/15/2016	
542	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	Complete		
543	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 irrisponsible 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	Complete		
544	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	Complete		
545	<p>The project owner shall provide the following notice to the California ISO prior to synchronizing the facility with the California Transmission System:</p> <ul style="list-style-type: none"> 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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
546	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			
547	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 case of 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			
548	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			
549	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	Complete		
550	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	Complete		
551	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	Complete		
552	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	Complete	12/22/2015	
553	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	Complying		
554	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	ACR		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
555	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 standard/institute/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			
556	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		6/1/2016	
557	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	Complying		
558	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	ACR		
559	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	Complete		
560	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	Complete		
561	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	Complying		
562	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			
563	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			
564	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	Complete	7/10/2019	
565	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		
566	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	Complete	1/25/2018	

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
567	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	Complying		
568	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 disposition 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	Engineering	GEN-4	Complying		
569	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		Rob Holt submitted for RE 1/25/18	
570	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			7/10/2019
571	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			7/10/2019
572	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			7/10/2019
573	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			7/10/2019
574	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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
575	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			
576	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			
577	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			
578	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			
579	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			
580	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			
581	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	MCR		
582	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	9/29/20		
583	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	Complete		
584	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	MCR		
585	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			

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
586	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	Complying		
587	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			
588	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			
589	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			
590	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	MCR		
591	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			
592	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			
593	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	Compliance	STRUCT-1	MCR		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
594	<p>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:</p> <ol style="list-style-type: none"> 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			
595	<p>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.</p>	Corrective Action	STRUC-2			
596	<p>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.</p>	Corrective Action	STRUC-2			
597	<p>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.</p>	Design	STRUC-3			
598	<p>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.</p>	Design	STRUC-3			
599	<p>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.</p>	Haz Material	STRUC-4	Complying		
600	<p>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.</p>	Haz Material	STRUC-4			
601	<p>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.</p>	Haz Material	STRUC-4	MCR		

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------

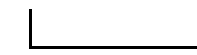
Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------

Item #	Activity Description	Technical Area	Cond. #	Status	Submittal Date	Agency Approval
--------	----------------------	----------------	---------	--------	----------------	-----------------



APPENDIX B
Miscellaneous Submittals

Blythe Solar - Spill Form

Record: 20	
Date	2019-09-05
Environmental Compliance Monitor	Ben Delancey
Monitor/Biologist Name	Ben Delancey
Monitoring Location	Other
Time Spill Observed	12:22:00
Cause (please be brief)	Refueling buggy. Fuel tank overflowed and containment bin did not catch everything.
Was the spill properly cleaned and contaminated soil disposed of?	Yes
Time Spill Cleaned-Up	11:33:00
Cleanup / Disposal Description	Contaminated soil removed via shovel. Waiting on further direction for disposal.
Spill Location	Water tanks in Unit 2.
Obtain GPS Location	Latitude:33.669221, Longitude:-114.731126, Altitude:139.354767, Speed:0.000000, Horizontal Accuracy:5.000000, Vertical Accuracy:3.000000, Time:09/05/2019 16:51:41 PDT
Is the spill adjacent to a wash or AZ crossing?	No
Common Name of Spilled Substance	Diesel Fuel
Quantity Spilled (Estimate) - Ounces	4
Unit	Ounce(s)
Estimated Area of Spill in Inches	12
Estimated Amount of Soil Removed During Cleanup (Gallons)	0.8
Responsible Contractor	Dudek
Person(s) Notified	Amy Anderson (DUDEK) & Roger Klein (NEER)
Notes	Contaminated soil was removed the following day due to waiting for instructions on disposal.
AutoEmail	ben.delancey@gmail.com

Photo(s)	
Photo	
Photo Description	Contaminated soil prior to being cleaned up.

Photo(s)

Photo



Photo Description

Location of spill after contaminated soil removed.

Blythe Solar - Weed Inspection Form

Record: 74

Inspection Date	2019-09-11
Inspector	Amy Anderson
Equipment Model	
Equipment Description	Forklift
Inspector Signature	

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?	No
Please Explain	Not available

Blythe Solar - Weed Inspection Form

Record: 77


Inspection Date	2019-09-13
Inspector	Amy Anderson
Equipment ID #	Mr7x36
Equipment Model	Cat
Equipment Description	Paddlescraper
Inspector Signature	

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?	No
Please Explain	No stickers available yet

Blythe Solar - Weed Inspection Form

Record: 80

Inspection Date	2019-09-13
Inspector	Other
Other Inspector	Sedona Maniak
Equipment ID #	HV9E88
Equipment Model	Caterpillar
Equipment Description	Cat 16M motor grader
Inspector Signature	

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?	NA

Blythe Solar - Weed Inspection Form

Record: 83


Inspection Date	2019-09-16
Inspector	Ben Delancey
Equipment ID #	ES9M87
Equipment Model	Pile driver
Inspector Signature	

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?	No
Please Explain	No sticker

Blythe Solar - Weed Inspection Form

Record: 86


Inspection Date	2019-09-16
Inspector	Ben Delancey
Equipment ID #	XH3P63
Equipment Model	Pile driver
Inspector Signature	

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?	No
Please Explain	No sticker

Blythe Solar - Weed Inspection Form

Record: 89


Inspection Date	2019-09-17
Inspector	Sedona Maniak
License Plate #	SE673176
Equipment Model	International water truck 4000 gal
Equipment Description	Water truck
Inspector Signature	

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?	NA

Blythe Solar - Weed Inspection Form

Record: 92


Inspection Date	2019-09-25
Inspector	Amy Anderson
Equipment ID #	AL7H54
License Plate #	
Equipment Model	Vermeer
Equipment Description	Pile driver
Inspector Signature	

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

Blythe Solar - Weed Inspection Form

Record: 95

Inspection Date	2019-09-25
Inspector	Amy Anderson
Equipment ID #	MY7G38
Equipment Model	Vermeer
Equipment Description	Pile driver
Inspector Signature	

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

Blythe Solar - Weed Inspection Form

Record: 98


Inspection Date	2019-09-25
Inspector	Amy Anderson
Equipment ID #	MG7B63
Equipment Model	Vermeer
Equipment Description	Pile driver
Inspector Signature	

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?	No
Please Explain	Stickers not available; will be added later.

Blythe Solar - Weed Inspection Form

Record: 101

Inspection Date	2019-09-25
Inspector	Amy Anderson
Equipment ID #	PL8T53
Equipment Model	Vermeer
Equipment Description	Pile driver
Inspector Signature	

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?	No
Please Explain	Stickers not available; will be added later.

September 10, 2019



Mr. Eric Veerkamp
Compliance Project Manager
California Energy Commission
Energy Facilities Siting Division
1516 Ninth Street, MS 2000
Sacramento, CA 95814-5512

Blythe Solar Power Project (BSPP) – ACCPETANCE
WC³ Permit No.: BSPP2-CIVIL-01-03

Re: Plan Review: BSPP – Phase 2 – CIVIL-01-03 – Approval of Civil Grading and Roads
Address: Blythe Solar Power Project, Blythe, CA

Dear Mr. Veerkamp:

On behalf of the California Energy Commission, West Coast Code Consultants, Inc. (WC³) has reviewed the documents, listed on the attached sheets, as they relate to the stated subject above. Accepted submittals have been stamped and signed by WC³ and uploaded to the WC³ project portal. Any changes to the design professionals, in their area of responsible charge, must be submitted to the project portal for review and approval before said change take effect.

Sincerely,

West Coast Code Consultants, Inc. (WC³)

A handwritten signature in black ink, appearing to read "Chris Kimball", is written over a light blue horizontal line.

Chris Kimball, P.E., M.C.P., C.B.O. Chief
Building Official

Cc: Stephen Kalina, Construction Manager, NextEra. Stephen.Kalina@nexteraenergy.com

Eric Stieb, Senior Project Manager, CEI. Eric_Stieb@cei.com

West Coast Code Consultants, Inc.

2400 Camino Ramon, Suite 240, San Ramon, CA 94583 T |

925.275.1700 • F | 925.275.0600

www.WC-3.com

LIST OF DOCUMENTS REVIEWED

Submittal #	Status	In Date	Due Date	Files	By	Regarding	Action
3	Complete	09.09.19	09.30.19	4	Joshua Molnar	All Review Types	View Unlock
Uploads for Submittal #3							Zip & Download All
Plans		1263.001UNIT3100percent-9-9-19.pdf					Download
Other		Response-to-General-Comment-2.pdf					Download
Other		Response-to-Engineering-Comment-3.pdf					Download
Response Letter		BSPP2-CIVIL-01-03PC2-CEI-Response-2.docx					Download



BLYTHE SOLAR POWER PROJECT GRADING AND DRAINAGE REVIEW COMMENTS

Project Address: Blythe Solar Power Project, Blythe CA **Engineering #:** BSPP-Civil-01-03

Plan Review: Drainage Structures, Grading Plan, Erosion and Sediment Control Plan

Submittal Tracking:	Submittal Date:	Comment Date:
1 st Submittal	08/01/2019	8/14/2019
2 nd Submittal	08/30/2019	9/5/2019
3 rd Submittal	09/09/19	9/10/2019

Second Round Plan Check Comments are shown in red italic font

Contact: Eric Stieb; Cupertino Electric, Inc
Stephen Kalina/NextEra; Stephen.Kalina@nexteraenergy.com

Third Party Review: [Maurice Kaufman/WC-3](mailto:Maurice.Kaufman@wc-3.com); mauricek@wc-3.com (650)-754-6353,
[Zabihullah Safaraz/WC-3](mailto:Zabihullah.Safaraz@wc-3.com); zabihullahs@wc-3.com

Third Party Review Tracker: BSPP2-CIVIL-01-03

GENERAL INFORMATION:

The following comments are based on the Grading Permit Packaged submitted as noted below:

Submitted Item	Copy Type	Dated	Created By
Plans	Electronic	July 30, 2019	The Holt Group
Response letter	Electronic	August 28, 2019	Eric J. Stieb / Cupertino Electric, Inc
LandMark Geo Engineers and Geologists correspondence	Electronic	August 09/2019	LandMark Consultants, Inc.
Drainage, Erosion and Sediment Control Plan	Electronic	July 2014	AECOM Environment
Riverside County Fire Department review letter	Electronic	May 15, 2015	Riverside County Fire Department
BML NTP	Electronic	August 2019	California Energy Commission
Geotechnical Review of Plan	Electronic	Sept 5, 2019	Terracon
Plans	Electronic	Sept 9, 2019	The Holt Group
Figure C7 to Hydrology Study	Electronic	3/29/13	AECOM
Email from Ken King, CalFire	Electronic	5/16/2019	Kenneth King

GENERAL COMMENTS:

No.	General Comment/Issue	Applicant Response	Status
1	The Civil Engineer license shown in the title box expired on (03-31-18). Please revise the plan set with a current license.	[S2]: Drawings have been updated with the EOR's current stamp.	Addressed
2	The Geotechnical Engineer should sign the plans or write a letter stating that they have reviewed the plans, and that the proposed work is in conformance with the Geotechnical Report. <i>PC2: Provide the Terracon letter to conform Geotechnical Engineer agreement with the plans.</i>	[S2]: Please find attached letter from Terracon. [S3]: See attached letter and associated addendum from Terracon.	Addressed
3	Please provide a Hydrology Study to confirm the water surface elevation during wet weather and that the top of the inverter pads are at sufficient elevation.	[S2]: Pre and post development hydrology study previously submitted to C. Kimball. (8/22/19)	Addressed
4	Please provide a Stormwater Pollution Prevention Plan (SWPPP) and Notice of Intent (WDID#) from the California State Water Resources Control Board requirements.	[S2]: Email correspondence from RWQCB submitted to C.Kimball (8/22/19) confirming SWPPP and NOI are not necessary for this project.	Addressed
5	Please include an Erosion and Sedimentation Control plan showing BMP's and Sediment Control Measures for proposed improvement.	[S2]: DESCPC submitted to C. Kimball. In the absence of a SWPPP requirement, the installation of DESCPC BMP's will be installed as required or directed by the onsite QSP. Any installed BMP's shall be per the details shown in the DECEP.	Addressed
6	Provide earthwork quantities. Clearly show where any excess soil material can be placed on site. <i>PC2: Please show earthwork quantities on the grading plan sheet. Also, please show where 10,000 cu yd of remaining material will be feathered into the existing grade.</i>	[S2]: Current design will generate approximately 15,000 yd3 of displacement. The civil contractor estimates that 5,000 yd3 will be required to build the PCS pad aprons. The remaining 10,000 yd3 will be feathered into the existing grade, such that OG is not altered by more than 0.10' [S3]: See NPDES note #13 & Construction Keynote #01.	Addressed
7	Verify that any approvals from the Bureau of Land Management have been obtained.	[S2]: Attached, please find NTP from BLM.	Addressed

ENGINEERING COMMENTS:

No.	Page or Dwg No	General Comment/Issue	Applicant Response	Status
1	Sheet 2	<p>Note 2, Provide confirmation that the Fire Department agrees that Fire Access Roads would be limited to the Perimeter and the Center East West “All Weather Roads”.</p> <p><i>PC2: The letter provided from the Riverside Fire Department dated May 15, 2015 states the following:</i></p> <p><i>Condition # 4: Interior On-site access roadways that extend through solar panel arrays (i.e., PV, heliostat, solar troughs, etc.) shall be arranged to allow clear and unobstructed fire access roadways 16 feet wide between the lengths of arrays spaced not to exceed 600 feet in length. Access roadways between the lengths of arrays shall not exceed 5,280 feet in length without providing a Riverside County Fire Department approved turn around or intersecting roadway to allow return travel direction. All roadway intersections shall be designed to allow a minimum outside “wall-to-wall” turn radius of 38 feet in all four directions. Such access roads shall be designed, constructed, and certified by a registered Engineer to be capable of sustaining 50,000 pounds over two axles under all weather conditions. As noted in item 3, the center east-west interior road shall be designed for all weather use.</i></p> <p><i>While the email noting 40,000# has been received, the layout of the access roads do not meet the 600 foot maximum length required as stated in Condition 4 above. Please explain this discrepancy in the design.</i></p>	<p>[S2]: Per the previously approved Phase I plan review, RCFD clarified that the center east/west road and perimeter fire apparatus roads shall be 20’ in width. Additionally, RCFD has confirmed their revised standard will lower apparatus road loading requirement to 40,000# over two axles.</p> <p>[S3]: Please see email from Deputy Fire Marshall Ken King. RCFD was engaged during the initial design / array layout and take no exception to our proposed array size.</p>	Addressed
2	Sheet 3, 4, 5, & 6	<p>Construction Keynote 1; The Geotechnical Engineering Report recommends an 8” depth of Class II AB Material within the roadways to receive heavy loading. Provide confirmation from the Geotechnical Engineer that the proposed 6” depth of AB material can support the Axle Loads noted on the plans on Sheet 1 for the Fire Department</p>	<p>[S2]: See correspondence from Landmark Geotechnical confirming 6” Class II AB section meets the road loading requirements.</p>	Addressed
3	Sheet 3, 4, 5, & 6	<p>Grading General Note 4; The Geotechnical Report recommends that surface slopes of 2% to 3% be constructed and maintained on roadways in order to avoid excessive rutting. Grading plans are not clear that this recommendation has been satisfied while maintaining the existing drainage pattern. Please clarify this issue.</p>	<p>[S2]: BLM Mitigation Measures request that civil design have a minimal impact to the existing site flow. Project roads have been designed to match existing adjacent grade with minimal impact to existing flow patterns. This design methodology was also implemented in the Phase I design.</p> <p>[S3]: See attached 100-year post development flood depth drawing from AECOM. Max depth from 100-year event is estimated to be 0.7’ above existing grade. Inverters are currently designed with a FF at +2.00’.</p>	Addressed
4	Sheets 3, 4, 5 & 6	<p>Grading General Note 6: Please provide required backfill requirements for AC and DC utility trenches.</p> <p><i>PC2: Please include a note in the civil drawing to explain these requirements.</i></p>	<p>[S2]: AC and DC trench backfill requirements are shown in on the Electrical drawings, as it pertains to backfill material and gradation. Compaction of the utility trench will be per the geotechnical engineer’s recommendation(s).</p> <p>[S3]: See Grading General Note #13</p>	Addressed



No.	Page or Dwg No	General Comment/Issue	Applicant Response	Status
5	Sheets 3, 4, 5 & 6	Please clearly indicate the setback (Horizontal distance) between the existing boundary fence and the perimeter roads at various points.	[S2]: Setback is now shown on the drawings	Addressed
6	Sheets 3, 4, 5 & 6	Please include roadway center lines, and grade elevations at 50-Foot stationing intervals.	[S2]: Drawings provide N/E coordinates at every road intersection or roughly 600'. This aligns with the boundary of the individual PV field arrays. Given that the size of the project, and the 200' design scale, 50' stationing points would not be identifiable on the drawings.	Addressed
7	Sheets 3, 4, 5 & 6	Grading plan sheets indicate cross slopes in some cases at 0.00% to 0.14 % It should be noted that there will be water standing and ponding at these locations. Please clarify how this issue is addressed.	[S2]: BLM midigation measures require minimal disturbance to the site. Thus, grading will only be performed where necessary to accommodate the installation of the tracker system.	Addressed
8	Sheet 13	Show minimum slope requirements on all roadway sections per the recommendation of the Geotechnical Report. Show any additional grading of PV Areas as needed to accommodate cross slope requirements. <i>PC2: Comment remains</i>	[S2]: [S3] See response to Engineering Note #3.	Addressed

OTHER COMMENTS:

Additional plan check comments may be generated based on applicant responses.

Typ. Abbreviations:

- CA City Attorney
- COA Conditions of Approval
- COI Certificate of Insurance
- PC# Plan Check Round
- PW Public Works
- ROW Right of Way
- S# Submittal Number Response
- SSF South San Francisco
- SWPPP Storm Water Pollution Prevention Plan
- SWRCB State Water Resources Control Board

Typ. Statuses:

- Addressed
- Not Addressed
- Not Applicable
- No Longer Required



DIRECTIONS FOR RESUBMITTAL:

Please submit digital copies of any plan or document (via USB, disc, or working download link). **Provide written responses for each comment on this document and resubmit as a Microsoft Word (.docx) filetype.** Please include the sheet or detail number where your responses are located on the plans. Once all comments are addressed to the satisfaction of the reviewer, the City will request signed hard copies.

October 1, 2019



Mr. Eric Veerkamp
Compliance Project Manager
California Energy Commission
Energy Facilities Siting Division
1516 Ninth Street, MS 2000
Sacramento, CA 95814-5512

Blythe Solar Power Project (BSPP) – **ACCEPTANCE**
WC³ Permit No.: BSPP2-ELEC-01-01

Re: Plan Review: BSPP – Phase 2 – ELEC-01-01– Electrical Equipment and Systems 240 Volts or Higher
Address: Blythe Solar Power Project, Blythe, CA

Dear Mr. Veerkamp:

On behalf of the California Energy Commission, West Coast Code Consultants, Inc. (WC³) has reviewed the documents, listed on the attached sheet, as they relate to the stated subject above. Documents appear to be in compliance with Condition ELEC-01-01, 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 submittals have been stamped and signed by WC³ and uploaded to the WC³ project portal. Any changes to the design professionals, in their area of responsible charge, must be submitted to the project portal for review and approval before said change take effect.

Sincerely,

West Coast Code Consultants, Inc. (WC³)

A handwritten signature in black ink, appearing to read "Chris Kimball", is written over a light blue horizontal line.

Chris Kimball, P.E., M.C.P., C.B.O.
Chief Building Official

Cc: Stephen Kalina, Construction Manager, NextEra. Stephen.Kalina@nexteraenergy.com
Eric Stieb, Senior Project Manager, CEI. Eric_Stieb@cei.com

West Coast Code Consultants, Inc.

2400 Camino Ramon, Suite 240, San Ramon, CA 94583

T | 925.275.1700 • F | 925.275.0600

www.WC-3.com

DOCUMENTS APPROVED FOR:

BSPP2-ELEC-01-01: Schedule of Submittals

File Type / Description	File Name
Plans	2019-0920 Blythe 3 1st Plan Check Electrical (PV Field) SIGNED.pdf
Other	SolarGuard Technical Datasheet.pdf
Other	SolarGuard-Brochure.pdf
Other	STG.BLA_4_cut_A.pdf
Other	NextEra Blythe 3 - WC3 AHJ Comments Log 091319.xlsx
Other	11-SunGen-CU-PV-Spec-5851.pdf
Other	1200-01-AI-Pv-2kv-Class-B-R081418.pdf
Other	20190814DC-Terminal-and-Lug-RatingHEM-HEMKV01.pdf
Other	100608291LAX-001B-ATM.PDF
Other	CAB-ETL-2703-listing06122018.pdf
Other	CAB-Products-Grounding-Messenger-wire-Electrical-Evaluation-Rev-4.pdf
Other	HEMHW01IIManualHWHHEMW.pdf
Other	Southwire-PV-WIRE-XLP-2KV-2016150-r4.pdf
Other	GameChange-Solar-Install-Manual-Genius-Tracker-3.0-1.31.2019.pdf
Other	StatLetter-PE-HEMHEMK-20190611firmado.pdf
Other	STG.BLAcutF.PDF
Other	STG.DCD.01.C400BNHH.PSA-Installation-Manual.pdf
Other	STG.DCU.01.C400AZNC01E0-DFData-Sheet.pdf
Other	UL-grounding-467-compliance-letter.pdf



Certification of Completion

Worker Environmental Awareness Program [WEAP] Training

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.

[Handwritten signature]
 SEPT 17
 9-26-19
 9/9/19

No.	Employee Name	Title/Company	Signature
1	ERIC GERMAN	NVS BLM COMPLIANCE	<i>[Signature]</i>
2	Brendan Fitzsimons	NVS	<i>[Signature]</i>
3	Samuel Brissey	NVE Safety	<i>[Signature]</i>
4	KURT LAMBERT	DUDEK ARCH	<i>[Signature]</i>
5	Rudy Martinez	CR 77	<i>[Signature]</i>
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

Cultural Trainer: _____ Signature: _____ Date: _____
 Paleontology Trainer: _____ Signature: _____ Date: _____
 Biology Trainer: _____ Signature: _____ Date: _____



September 25, 2019

Eric Stieb
 Cupertino Electric, Inc.
 1132 N. Seventh St.
 San Jose, CA 95112-4427

Via: Attachment

RE: Blythe 3 Solar Project – Equipment Log (September 2019)

Mr. Stieb:

For the month of September 2019, Sukut Construction LLC had the following construction equipment on-site:

Date	Equipment #	Type	Model or S/N
8/27/2019	31-72701	New Holland Farm Tractor T7.270 w/ Mower	ZCBZ15585
8/27/2019	31-51151	New Holland Farm Tractor T5.115 w/ Mower	ZEJM13472
8/27/2019	31-41201	New Holland Farm Tractor T4.120 w/ Mower	ZFLE02582
8/27/2019	40-2435	8,000 Gal Water Truck	T4R2435
8/30/2019	40-2929	8,000 Gal Water Truck	T4R2929
8/30/2019	31-41202	New Holland Farm Tractor T4.120 w/ Mower	ZHLE08926
8/30/2019	10692041	4x4 UTV Cart	SD1816-865383
9/10/2019	801209	Takeuchi Skid Steer with Mulcher	41200059
9/6/2019	10522656	Forklift; Variable Reach 7000# 38-44"	2435944
9/12/2019	80.15	CAT D8 Dozer	LHX01938
9/13/2019	4495	CAT 623 Scraper	DBC00192
9/13/2019	415-16	CAT 16M Blade	B9H00415
9/16/2019	177646	84" Smooth Drum Roller - CV122U	XUG01231LGJE01415
9/16/2019	PD10-01	PD-10 Pile Driver	1VRB100Z9G1002130
9/16/2019	PD10-02	PD-10 Pile Driver	1VRB100Z1G1002171
9/16/2019	158433	4x4 UTV Cart	1M0855DFJM100717
9/17/2019	5035	6x6 4,000 Gal Water Truck	ISM-330ESP
9/25/2019	137	PD-10 Pile Driver	1VRR10082L1000137
9/25/2019	138	PD-10 Pile Driver	1VRR10084L1000138
9/25/2019	139	PD-10 Pile Driver	1VRR10086L1000139

Moving Earth to Award-Winning Levels

All equipment is being maintained per the manufacturer's recommendations.

Should you have any questions, please contact me immediately.

Sincerely,

Tim Fulkerson

Tim Fulkerson
Foreman



NextEra Energy
700 Universe Blvd
Juno Beach, FL 33408

RE: Blythe 3 Solar Project – Equipment Log (September 2019)

Mr. Kalina:

For the month of September 2019, Cupertino Electric Inc. had the following construction equipment on-site:

Generator, 132KW, 150KVA
4 SEAT 4*4 UTILITY CART
4 SEAT 4*4 UTILITY CART
10K VAR REACH FORKLIFT
4 SEAT 4*4 UTILITY CART
4 SEAT 4*4 UTILITY CART
4 SEAT 4*4 UTILITY CART
4 SEAT 4*4 UTILITY CART
4 SEAT 4*4 UTILITY CART
4 SEAT 4*4 UTILITY CART
4 SEAT 4*4 UTILITY CART
4 SEAT 4*4 UTILITY CART
4 SEAT 4*4 UTILITY CART
4 SEAT 4*4 UTILITY CART
10K VAR REACH FORKLIFT, 8' FORK
5K VAR REACH FORKLIFT, 6' FORK
4 SEAT 4*4 UTILITY CART

All equipment is being maintained per the manufacturer’s recommendations. Should you have any questions, please contact me immediately.

Sincerely,

Eric Stieb
Sr. Project Manager
Cupertino Electric, Inc.

APPENDIX C
Cultural Resources

CUL-15: Worker Environmental Awareness Program (WEAP)

Requirement: Submit past 30 days of training records in logs.

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. In September 2019, 5 individuals received WEAP training. Training rosters are maintained at the project environmental office. These rosters document the current running total of WEAP trained workers on site to be 89 individuals.

CUL-16: Construction Monitoring Program

There were no compliance issues this month.

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). TCCs did not arrive for monitoring on at least one day, however were appropriately scheduled beforehand, as required by the guiding documents. All initial ground disturbing activities were monitored in BSPP Units 3-4 during September, 2019 by cultural resources monitors and Native American monitors. These activities included mowing by Cupertino Electric Co. construction personnel and their subcontractor Sukut. CRMs and TCCs also monitored the hand excavation and collapsing of possible animal dens, as performed by Dudek biologists in preparation for construction activities. Table 1 lists the number of CRMs and TCCs onsite during the month of September.

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

September 2019		
Date	Number of CRMs	Number of TCCs
09/04/2019	4	0
09/05/2019	3	0
09/06/2019	3	0
09/09/2019	5	1
09/10/2019	4	1
09/11/2019	3	1
09/12/2019	4	1
09/13/2019	5	2
09/16/2019	3	2
09/17/2019	3	2
09/18/2019	2	2

September 2019

Date	Number of CRMs	Number of TCCs
09/19/2019	2	2
09/20/2019	2	1
09/23/2019	2	2
09/24/2019	2	1
09/25/2019	2	1
09/26/2019	2	0
09/30/2019	2	2

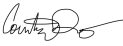
Number of Isolate Forms submitted- 1

Number of Site Forms submitted- 0

A total of one new isolate were recorded within construction limits. BSPPU3/4-KL-ISO-01 consists of two USGS cadastral section markers, one in-situ and one loose. Following recordation these isolates were documented and left in place with ESA markings.


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 482

Monitor Name	<i>Courtney Davis</i>
Date	<i>2019-09-04</i>
Time In (AM)	<i>06:00:00</i>
Time Out (PM)	<i>18:15:00</i>
Safety Briefings Attended/Signed	<i>Morning meeting - talked about heat.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Cultural: Courtney Davis (arch - Dudek) CRIT Monitor was scheduled but did not arrive.</i>
Weather Conditions	<i>Hot, sunny, and breezy</i>
Hours on Site Not Worked	<i>0.5</i>
Hours Not Worked Reason	<i>Lunch</i>
Monitoring Location	<i>Northeastern part of Unit 3.</i>
Work Type (Machine)	<i>Drag gannon and mowers</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	
Work Crew Foreman	<i>Tim Fulkerson</i>
Depth of Excavation (ft)	<i>1</i>
Description of Work	<i>Arch monitor arrived on site at 6am, despite work beginning at 7am, because she was not informed that they would be starting an hour later today.</i> <i>Two tractors pulled drag gannons to clear area of brush. Smaller mowers cleared small bushes left behind.</i>
Observed Native Soils (Stratigraphy)	<i>Light brown silty sand.</i>
Disturbed/Re-Deposited Soils	<i>N/A</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>None</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>N/A</i>
Plan for tomorrow	<i>Mowing to continue.</i>
Signature	

Blythe Unit 3 & 4 - Paleontological Monitoring Log

Record: 62

Name	Mike Williams
Date	2019-09-04
Monitoring Location	East side of substation
Safety Briefings Attended/Signed	N/A
Other Cultural Resource Monitors Present	No
Specify Other Cultural Resource Monitors Present. Include full name, organization, etc.	Dudek archaeologist, Patrick Hadel, and Dudek biologist, Kim Parsons.
Weather Conditions	Sunny, clear, and hot. Temperatures in the low 60's in the morning and about 95 in the afternoon.
Work Crew Company	Civil Substation, Inc.
Work Type (Machine)	Small drill rig with a 30 inch auger
Work Crew Operator	Kevin
Work Crew Foreman	Rick and John
Depth of Excavation (ft)	Up to 11.5 feet below the ground surface
Description of Work (in accordance with conditions of certification PAL-4 and PAL-5).	Dudek paleontologist, Mike Williams, monitored drilling of three boreholes. Spoils were examined for paleontological resources and dry-screened for microvertebrates. The boreholes were pre-drilled to a depth of 4.5 feet below the ground surface.
Observed Native Soils (Stratigraphy)	<p>4.5 feet: Sediments consisted of moderate reddish brown, slightly indurated, alluvial silty fine sands with moderate amounts of clay and minor amounts of pebbles and caliche (<10%).</p> <p>7 feet: Siltier with less gravel, tan colored and caliche rinds noted on some small cobbles</p> <p>9.5 feet: Hardpan with pedogenic carbonate and clouds of chocolate brown clay.</p> <p>0-3': Same as 0 to 4' above except more gravel and small cobbles. The bottom was more indurated with minor pedogenic carbonate.</p>
Disturbed/Re-Deposited Soils	N/A
Resources Discovered? (Type, quantity, context, etc., Temporary ID)	N/A
Actions Taken (Halt/Resume Construction Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	Paleontological monitoring and photography
Plans for tomorrow	Resume drilling on Monday
Do you have any issues or concerns?	No
Signature	

Photos

Photo:



Photo Description

Drilling on east side of substation. View to the east.

Photos

Photo:



Photo Description

Spoils from approximately 7 feet below the ground surface at borehole 2. View to the north.

Photos


Photo:



Photo Description

Drilling at borehole 3. View to the north.


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 485	
Monitor Name	Edgar Rojas
Date	2019-09-04
Time In (AM)	06:00:00
Time Out (PM)	18:00:00
Safety Briefings Attended/Signed	Yes
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Dudek Courtney Davis PK Sharp-Garcia NV5 Branden Fitzsimons CRIT CRIT Monitor was scheduled but did not arrive.
Weather Conditions	Hot 114°F
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	East portion of BSPP 3
Work Type (Machine)	New Holland T7 mower, Cat water truck.
Work Crew Company	Sukut Construction
Work Crew Operator	Various
Work Crew Foreman	Tim
Description of Work	Monitoring for archaeological material during clearing East section of Unit 3
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Continuation of the same work
Signature	

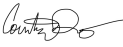
Blythe Unit 3 & 4 - Daily Cultural Log

Record: 488	
Monitor Name	<i>P.K. Sharp-Garcia</i>
Date	<i>2019-09-04</i>
Time In (AM)	<i>06:00:00</i>
Time Out (PM)	<i>18:15:00</i>
Safety Briefings Attended/Signed	<i>Sukut morning mowing meeting.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Dudek Cultural</i> <i>Patrick Hadel; lead CRM monitor</i> <i>Edgar Rojas</i> <i>Courtney Davis</i> <i>NV5</i> <i>Branden Fitzsimons</i> <i>CRIT Monitor was scheduled but did not arrive.</i>
Weather Conditions	<i>High of 111 degrees, sunny</i>
Hours on Site Not Worked	<i>0</i>
Hours Not Worked Reason	<i>Sukut took a staggered lunch so we couldn't take a lunch break.</i>
Monitoring Location	<i>BSPP Unit 3</i>
Work Type (Machine)	<i>Tractor/mower x4, water pull x2</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	<i>Ronnie, Donnie</i>
Work Crew Foreman	<i>Tim</i>
Depth of Excavation (ft)	<i>0</i>
Description of Work	<i>Four tractors pulled rotodisc mowers to remove vegetation, while two water pulls suppressed dust. There was no excavation depth. The monitors drove buggies around clearing wildlife from in front of the mowers and the water truck, and watched for sensitive resources to be uncovered by the mowing.</i>
Observed Native Soils (Stratigraphy)	<i>No depth/stratigraphy. Alluvial flood plain observed.</i>
Disturbed/Re-Deposited Soils	<i>N/A</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>N/A</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>Monitoring.</i>
Plan for tomorrow	<i>Start at 6am at the baker tanks/well, continue monitoring mowing.</i>
Signature	<i>PK</i>


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 491	
Monitor Name	<i>Patrick Hadel</i>
Date	<i>2019-09-04</i>
Time In (AM)	<i>07:00:00</i>
Time Out (PM)	<i>16:30:00</i>
Safety Briefings Attended/Signed	<i>Morning Tailboard</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>CRIT Monitor was scheduled but did not arrive.</i>
Weather Conditions	<i>Very hot and humid</i>
Hours on Site Not Worked	<i>0.5</i>
Hours Not Worked Reason	<i>Lunch</i>
Monitoring Location	<i>Unit 3 East. Circuit 10</i>
Work Type (Machine)	<i>Tractor with, mower</i>
Work Crew Company	<i>Cuppertino</i>
Depth of Excavation (ft)	<i>0.5</i>
Description of Work	<i>Veg mowing. Leaving root balls intact</i>
Observed Native Soils (Stratigraphy)	<i>Alluvial sands and light gravel</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>None</i>
Plan for tomorrow	<i>Continue mowing in circuit 10</i>
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 494	
Monitor Name	Courtney Davis
Date	2019-09-05
Time In (AM)	06:00:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Morning meeting - talked about lightning and heat.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Cultural: Courtney Davis (arch - Dudek) CRIT Monitor was scheduled but did not arrive.
Weather Conditions	Cloudy with lightning and some rain at the start of the day. Partly cloudy and humid throughout the rest of the morning. Mostly sunny with light breezes in the afternoon.
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Northeastern to northwestern part of Unit 3, east Circuit 10.
Work Type (Machine)	Drag gannon and mowers
Work Crew Company	Sukut
Work Crew Operator	
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	1
Description of Work	Work was delayed for half an hour due to lightning. After that, two tractors pulling drag gannons and two smaller mowers cleared brush small bushes.
Observed Native Soils (Stratigraphy)	Light brown silty sand.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Mowing to continue.
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 497	
Monitor Name	Edgar Rojas
Date	2019-09-05
Time In (AM)	06:00:00
Time Out (PM)	17:00:00
Safety Briefings Attended/Signed	Yes
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Dudek Patrick Hadel Courtney Davis PK Sharp-Garcia NV5 Branden Fitzsimons CRIT CRIT Monitor was scheduled but did not arrive.
Weather Conditions	Hot 107°F
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	We were working in Unit 3, East Circuit 10
Work Type (Machine)	New Holland T7 mower, Cat water truck.
Work Crew Company	Sukut Construction
Work Crew Operator	Various
Work Crew Foreman	Tim
Description of Work	Monitoring for archaeological material during clearing East section of Unit 3
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Continuation of the same work
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log


Record: 500	
Monitor Name	<i>P.K. Sharp-Garcia</i>
Date	<i>2019-09-05</i>
Time In (AM)	<i>06:00:00</i>
Time Out (PM)	<i>16:45:00</i>
Safety Briefings Attended/Signed	<i>Sukut morning mowing meeting.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Dudek Cultural</i> <i>Patrick Hadel; lead CRM monitor</i> <i>Edgar Rojas</i> <i>Courtney Davis</i> <i>NV5</i> <i>Branden Fitzsimons</i> <i>CRIT Monitor was scheduled but did not arrive.</i>
Weather Conditions	<i>High of 107 degrees, rainstorm this morning</i>
Hours on Site Not Worked	<i>30</i>
Hours Not Worked Reason	<i>30 minute lunch</i>
Monitoring Location	<i>BSPP Unit 3; east circuit 10</i>
Work Type (Machine)	<i>Tractor/mower x4, water pull x2</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	<i>Ronnie, Donnie, others</i>
Work Crew Foreman	<i>Tim</i>
Depth of Excavation (ft)	<i>0</i>
Description of Work	<i>Four tractors pulled rotodisc mowers to remove vegetation, while two water pulls suppressed dust. There was no excavation depth. The monitors drove buggies around clearing wildlife from in front of the mowers and the water truck, and watched for sensitive resources to be uncovered by the mowing.</i>
Observed Native Soils (Stratigraphy)	<i>No depth/stratigraphy. Alluvial flood plain observed.</i>
Disturbed/Re-Deposited Soils	<i>N/A</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>N/A</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>Monitoring.</i>
Plan for tomorrow	<i>Start at 6am at the baker tanks/well, continue monitoring mowing.</i>
Signature	<i>PK</i>

Blythe Unit 3 & 4 - Daily Cultural Log


Record: 503	
Monitor Name	Courtney Davis
Date	2019-09-06
Time In (AM)	06:00:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Morning meeting - talked about heat.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Cultural: Courtney Davis (arch - Dudek) CRIT Monitor was scheduled but did not arrive.
Weather Conditions	Mostly sunny with light breezes. Hot.
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Northeastern to northwestern part of Unit 3, east Circuit 10.
Work Type (Machine)	Drag gannon and mowers
Work Crew Company	Sukut
Work Crew Operator	
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	1
Description of Work	Two tractors pulling drag gannons and two smaller mowers cleared brush and small bushes.
Observed Native Soils (Stratigraphy)	Light brown silty sand.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Mowing to continue on Monday.
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 506


Monitor Name	Edgar Rojas
Date	2019-09-06
Time In (AM)	05:30:00
Time Out (PM)	17:00:00
Safety Briefings Attended/Signed	Yes
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Dudek Patrick Hadel Courtney Davis PK Sharp-Garcia NV5 Branden Fitzsimons CRIT CRIT Monitor was scheduled but did not arrive.
Weather Conditions	Hot 108°F
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	We were working in Unit 3
Work Type (Machine)	New Holland T7 mower, Cat water truck.
Work Crew Company	Sukut Construction
Work Crew Operator	Various
Work Crew Foreman	Tim
Description of Work	Monitoring for archaeological material during clearing East section of Unit 3
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Continuation of the same work
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 509	
Monitor Name	P.K. Sharp-Garcia
Date	2019-09-06
Time In (AM)	05:30:00
Time Out (PM)	17:00:00
Safety Briefings Attended/Signed	Sukut morning mowing meeting at 5:55.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Dudek Cultural Patrick Hadel; lead CRM monitor Edgar Rojas Courtney Davis NV5 Brenden Fitzsimons CRIT Monitor was scheduled but did not arrive.
Weather Conditions	High of 109 degrees, some clouds.
Hours on Site Not Worked	23
Hours Not Worked Reason	23 minute lunch
Monitoring Location	BSPP Unit 3.
Work Type (Machine)	Tractor/mower x4, water pull x2
Work Crew Company	Sukut
Work Crew Operator	Billy, Donnie, Janna, Ronnie, and others
Work Crew Foreman	Tim
Depth of Excavation (ft)	0
Description of Work	Four tractors pulled rotodisc mowers to remove vegetation, while two water pulls suppressed dust. There was no excavation depth. The monitors drove buggies around clearing wildlife from in front of the mowers and the water truck, and watched for sensitive resources to be uncovered by the mowing.
Observed Native Soils (Stratigraphy)	No depth/stratigraphy. Alluvial flood plain observed.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	N/A
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	Monitoring.
Plan for tomorrow	Continue monitoring mowing on Monday.
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 512

Monitor Name	<i>Courtney Davis</i>
Date	<i>2019-09-09</i>
Time In (AM)	<i>05:45:00</i>
Time Out (PM)	<i>16:30:00</i>
Safety Briefings Attended/Signed	<i>Morning meeting - talked about the pattern the machines would be going in.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Cultural: Courtney Davis (arch - Dudek) CRIT: Kyle Humeumptewa</i>
Weather Conditions	<i>Partly cloudy. Cool at the very start of the day, quickly heating up. Very windy starting in the late morning. Very brief drops of rain at nearly the end of the day.</i>
Hours on Site Not Worked	<i>0.5</i>
Hours Not Worked Reason	<i>Lunch</i>
Monitoring Location	<i>Northeastern part of Unit 3, east Circuit 10.</i>
Work Type (Machine)	<i>Drag gannon and mowers</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	
Work Crew Foreman	<i>Tim Fulkerson</i>
Depth of Excavation (ft)	<i>1</i>
Description of Work	<i>Two tractors pulling drag gannons and two smaller mowers cleared brush and small bushes.</i>
Observed Native Soils (Stratigraphy)	<i>Light brown silty sand.</i>
Disturbed/Re-Deposited Soils	<i>N/A</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>None</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>N/A</i>
Plan for tomorrow	<i>Mowing to continue.</i>
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 515


Monitor Name	<i>Kurt Lambert</i>
Date	<i>2019-09-09</i>
Time In (AM)	<i>06:00:00</i>
Time Out (PM)	<i>16:30:00</i>
Safety Briefings Attended/Signed	<i>Attended and signed Sukut's safety briefing.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Patrick Hadel, Dudek archaeologist PK Sharp Sharp-Garcia, Dudek archaeologist Edgar Rojas, Dudek archaeologist Courtney Davis, Dudek archaeologist Kyle Humeumptewa, CRIT</i>
Weather Conditions	<i>Temperature was cloudy and hot with a high of 102 degrees. Some sprinkles in the late afternoon.</i>
Hours on Site Not Worked	<i>0</i>
Hours Not Worked Reason	<i>N/A</i>
Monitoring Location	<i>Unit 3</i>
Work Type (Machine)	<i>Tractors with tow behind mowers, water trucks, skid steerer</i>
Work Crew Company	<i>Sukut</i>
Depth of Excavation (ft)	<i>1</i>
Description of Work	<i>Mowing (clear and grub) of creosote and other brush using tractors with tow behind mowers.</i>
Observed Native Soils (Stratigraphy)	<i>Light yellowish grey sand, fine to medium brained, interspersed with areas of desert pavement.</i>
Disturbed/Re-Deposited Soils	<i>Light yellowish grey sand, fine to medium brained, interspersed with areas of desert pavement.</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>None noted.</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>N/A other than removal of a variety of wildlife from the project area and relocating them outside of the perimeter fence.</i>
Plan for tomorrow	<i>Mowing will resume at 5:45am. Number of tractors started at three but dwindled to one by the end of the day. At this point the number of working tractors available is unknown.</i>
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log


Record: 518

Monitor Name	Edgar Rojas
Date	2019-09-09
Time In (AM)	05:30:00
Time Out (PM)	17:00:00
Safety Briefings Attended/Signed	Yes
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Dudek Patrick Hadel Courtney Davis PK Sharp-Garcia NV5 Branden Fitzsimons CRIT Kyle Humeumptewa
Weather Conditions	Hot 100°F
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	We were working in Unit 3
Work Type (Machine)	New Holland T7 mower, Cat water truck.
Work Crew Company	Sukut Construction
Work Crew Operator	Various
Work Crew Foreman	Tim
Description of Work	Monitoring for archaeological material during clearing Central and W section of Unit 3
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Continuation of the same work
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 521	
Monitor Name	P.K. Sharp-Garcia
Date	2019-09-09
Time In (AM)	05:45:00
Time Out (PM)	15:30:00
Safety Briefings Attended/Signed	Sukut morning mowing meeting at 5:45
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Dudek Cultural Patrick Hadel; lead CRM monitor Kurt Lambert Edgar Rojas Courtney Davis NV5 Brenden Fitzsimons CRIT TCC Kyle Humeumptewa
Weather Conditions	High of 101 degrees, broken skies
Hours on Site Not Worked	30
Hours Not Worked Reason	Staggered lunch breaks
Monitoring Location	BSPP Unit 3, north side
Work Type (Machine)	Tractor/mower x4, water pull x2
Work Crew Company	Sukut
Work Crew Operator	Billy, Donnie, Ronnie, and others
Work Crew Foreman	Tim
Depth of Excavation (ft)	0
Description of Work	Four tractors pulled rotodisc mowers to remove vegetation, while two water pulls suppressed dust. There was no excavation depth. The monitors drove buggies around clearing wildlife from in front of the mowers and the water truck, and watched for sensitive resources to be uncovered by the mowing.
Observed Native Soils (Stratigraphy)	No depth/stratigraphy. Alluvial flood plain observed.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	N/A
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	Monitoring.
Plan for tomorrow	Continue monitoring mowing tomorrow, Tuesday.
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log


Record: 524	
Monitor Name	Patrick Hadel
Date	2019-09-09
Time In (AM)	06:00:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Morning Tailboard
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Kyle of the CRIT
Weather Conditions	Very hot and humid
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Unit 3 East.
Work Type (Machine)	Tractor with, mower
Work Crew Company	Sukut
Depth of Excavation (ft)	0.5
Description of Work	Veg mowing. Leaving root balls intact
Observed Native Soils (Stratigraphy)	Alluvial sands and light gravel
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Plan for tomorrow	Continue mowing
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log


Record: 539	
Monitor Name	P.K. Sharp-Garcia
Date	2019-09-09
Time In (AM)	05:30:00
Time Out (PM)	16:00:00
Safety Briefings Attended/Signed	Sukut morning mowing meeting at 5:45
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<p>Dudek Cultural Patrick Hadel; lead CRM monitor Jessica Colston, lead CRM monitor Kurt Lambert Edgar Rojas Courtney Davis Javier Hernandez</p> <p>NV5 Brenden Fitzsimons</p> <p>CRIT TCC Kyle Humeuptewa Jamahke Welsh</p>
Weather Conditions	High of 96 degrees.
Hours on Site Not Worked	30
Hours Not Worked Reason	Lunch breaks
Monitoring Location	BSPP Unit 3, north side
Work Type (Machine)	Tractor/mower x4, water pull x2, skisteer mower x2
Work Crew Company	Sukut
Work Crew Operator	Billy, Donnie, Ronnie, and others
Work Crew Foreman	Tim
Depth of Excavation (ft)	0
Description of Work	<p>Four tractors pulled rotodisc mowers to remove vegetation, while two water pulls suppressed dust. There was no excavation depth. The monitors drove buggies around clearing wildlife from in front of the mowers and the water truck, and watched for sensitive resources to be uncovered by the mowing.</p> <p>PK assisted Jessica and Javier in testing an archaeological site in Unit 3.</p>
Observed Native Soils (Stratigraphy)	Silty sand alluvium, with a hardpan of caliche observed at approximately 50cm below ground surface.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	N/A
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	Monitoring and excavation.
Plan for tomorrow	Continue monitoring mowing tomorrow, Wednesday.
Signature	PK

Blythe Unit 3 & 4 - Native American Monitoring Form


Record: 584

Tribal Monitor:	<i>Kyle Humeuptewa</i>
Date:	<i>2019-09-09</i>
Driver's Name For Shift:	
Vehicle Driven:	<i>4-door chevy</i>
Time In:	<i>06:00:00</i>
Time Out:	<i>11:05:00</i>
Hours on Site Not Worked:	<i>0</i>
Hours Not Worked Reason:	<i>None</i>
Project Area(s): (Location)	<i>Blythe solar unit 3</i>
Type of Work and Equipment:	<i>Mowing</i>
Depth of Excavation (ft):	<i>1</i>
Monitoring Activities Performed (e.g., protection of ESA):	<i>Mowing</i>
Cultural Resources Present:	<i>Patrick Hadel & Kurt Lambert from Dudek</i>
Comments:	<i>None</i>
Signature:	

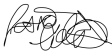
Blythe Unit 3 & 4 - Daily Cultural Log

Record: 527	
Monitor Name	Edgar Rojas
Date	2019-09-10
Time In (AM)	05:30:00
Time Out (PM)	17:00:00
Safety Briefings Attended/Signed	Yes
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<p>Dudek Patrick Hadel Courtney Davis PK Sharp-Garcia Jessica Colston Javier Hernandez</p> <p>NV5 Branden Fitzsimons</p> <p>CRIT Kyle Humenptewa Jamahke Welsh</p>
Weather Conditions	Hot 100°F
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	We were working in Unit 3
Work Type (Machine)	New Holland T7 mower, Cat water truck.
Work Crew Company	Sukut Construction
Work Crew Operator	Various
Work Crew Foreman	Tim
Description of Work	Monitoring for archaeological material during clearing Central and W section of Unit 3.
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Continuation of the same work
Signature	

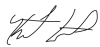
Blythe Unit 3 & 4 - Daily Cultural Log

Record: 530	
Monitor Name	Courtney Davis
Date	2019-09-10
Time In (AM)	05:45:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Morning meeting - talked about the pattern the machines would be going in.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Cultural: Courtney Davis (arch - Dudek) Two CRITs - they rode with other archaeologists.
Weather Conditions	Partly cloudy in the morning. Sunny later and very windy starting in the late morning. Hot.
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Unit 3, east Circuit 10.
Work Type (Machine)	Drag gannon and mowers
Work Crew Company	Sukut
Work Crew Operator	
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	1
Description of Work	Two tractors pulling drag gannons and two smaller mowers cleared brush and small bushes.
Observed Native Soils (Stratigraphy)	Light brown silty sand.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Mowing to continue.
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 533	
Monitor Name	Jessica Colston
Date	2019-09-10
Time In (AM)	06:00:00
Time Out (PM)	14:30:00
Safety Briefings Attended/Signed	Dudek
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	
Specify Cultural Resources Monitor(s) and Tribal Cultural Consultant(s). Include full name, organization, etc.	Dudek archaeologist -Jessica Colston -Javier Hernandez -PK Sharp-Garcia CRIT Jamahke Welsh
Weather Conditions	Sunny 98
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	BSPPU3_4-PH-S-03
Work Type (Machine)	Hand shovel
Work Crew Company	DUDEK
Description of Work	Dudek archaeologist Jessica Colston and Javi Hernandez and PK Sharp-Garcia excavated for data recovery testing of site BSPPU3_4-PH-S-03. This included a 5 m x 5 m surface scrape, 2 STP's and one control unit. No deposits beyond 5 cm below surface were observed. Surface artifacts were collected and ESA was maintained.
Observed Native Soils (Stratigraphy)	Silty sand alluvium with 25 to 80% angular gravels poorly sorted. Alluvium began to have more caliche at approximately 40 cm below surface.
Disturbed/Re-Deposited Soils	Na
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	Buff wear ceramic sherds. At least two rim fragments.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	Na
Plan for tomorrow	Excavate site BSPPU3_4-PH-S-04
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log


Record: 536	
Monitor Name	Kurt Lambert
Date	2019-09-10
Time In (AM)	06:00:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Attended and signed Sukut's safety briefing.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Patrick Hadel, Dudek archaeologist PK Sharp Sharp-Garcia, Dudek archaeologist Edgar Rojas, Dudek archaeologist Courtney Davis, Dudek archaeologist Kyle Humeumptewa, CRIT tribal monitor
Weather Conditions	Temperature was mostly clear and hot with a high of 98 degrees.
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	Unit 3
Work Type (Machine)	2 Tractors with tow behind mowers, 2 water trucks, 1 skid steer
Work Crew Company	Sukut
Work Crew Operator	Varies
Work Crew Foreman	Tim
Depth of Excavation (ft)	1
Description of Work	Mowing (clear and grub) of creosote and other brush using tractors with tow behind mowers.
Observed Native Soils (Stratigraphy)	Light yellowish grey sand, fine to medium brained, interspersed with areas of desert pavement.
Disturbed/Re-Deposited Soils	Light yellowish grey sand, fine to medium brained, interspersed with areas of desert pavement.
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None noted.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A other than removal of a variety of wildlife from the project area and relocating them outside of the perimeter fence.
Plan for tomorrow	Mowing will resume at 5:45am.
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 542	
Monitor Name	Patrick Hadel
Date	2019-09-10
Time In (AM)	06:00:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Morning Tailboard
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Kyle of the CRIT
Weather Conditions	Very hot and humid
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Unit 3 East.
Work Type (Machine)	Tractor with, mower
Work Crew Company	Sukut
Depth of Excavation (ft)	0.5
Description of Work	Veg mowing. Leaving root balls intact.
Observed Native Soils (Stratigraphy)	Alluvial sands and light gravel
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Plan for tomorrow	Continue mowing
Signature	


Blythe Unit 3 & 4 - Native American Monitoring Form

Record: 587


Tribal Monitor:	<i>Kyle humeumptewa</i>
Date:	<i>2019-09-10</i>
Driver's Name For Shift:	
Vehicle Driven:	<i>4-door chevy</i>
Time In:	<i>06:00:00</i>
Time Out:	<i>16:30:00</i>
Hours on Site Not Worked:	<i>0</i>
Hours Not Worked Reason:	<i>None</i>
Project Area(s): (Location)	<i>Blythe solar unit 3</i>
Type of Work and Equipment:	<i>Mowing</i>
Depth of Excavation (ft):	<i>1</i>
Monitoring Activities Performed (e.g., protection of ESA):	<i>Mowing</i>
Cultural Resources Present:	<i>Patrick Hadel & Kurt Lambert from Dudek</i>
Comments:	<i>None</i>
Signature:	

Blythe Unit 3 & 4 - Native American Monitoring Form

Record: 590


Tribal Monitor:	<i>Jamahke Welsh</i>
Date:	<i>2019-09-10</i>
Driver's Name For Shift:	<i>Kyle Humeumptewa</i>
Time In:	<i>06:00:00</i>
Time Out:	<i>14:30:00</i>
Hours on Site Not Worked:	<i>0.5</i>
Hours Not Worked Reason:	<i>Lunch</i>
Project Area(s): (Location)	<i>Ph-s-03</i>
Type of Work and Equipment:	<i>Shovel</i>
Summary of Construction Activities Performed:	<i>Dudek arch's digging for testing</i>
Cultural Resources Present:	<i>Site</i>
Signature:	

Blythe Unit 3 & 4 - Daily Cultural Log


Record: 545	
Monitor Name	Edgar Rojas
Date	2019-09-11
Time In (AM)	05:30:00
Time Out (PM)	17:00:00
Safety Briefings Attended/Signed	Yes
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<p>Dudek Patrick Hadel Courtney Davis PK Sharp-Garcia Jessica Colston Javier Hernandez</p> <p>NV5 Branden Fitzsimons</p> <p>CRIT Kyle Humenptewa Jamahke Welsh</p>
Weather Conditions	Hot 99°F
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	We were working in Unit 3
Work Type (Machine)	New Holland T7 mower, Cat water truck.
Work Crew Company	Sukut Construction
Work Crew Operator	Various
Work Crew Foreman	Tim
Description of Work	Monitoring for archaeological material during clearing Central and W section of Unit 3
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Continuation of the same work
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 548

Monitor Name	Kurt Lambert
Date	2019-09-11
Time In (AM)	06:00:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Attended and signed Sukut's safety briefing.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Patrick Hadel, Dudek archaeologist PK Sharp Sharp-Garcia, Dudek archaeologist Edgar Rojas, Dudek archaeologist Kyle Humeumptewa, CRIT tribal monitor
Weather Conditions	Temperature was clear and hot with a high of 94 degrees.
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	Unit 3
Work Type (Machine)	2 Tractors with tow behind mowers, 2 water trucks, 1 skid steer
Work Crew Company	Sukut
Work Crew Operator	Varies
Work Crew Foreman	Tim
Depth of Excavation (ft)	1
Description of Work	Mowing (clear and grub) of creosote and other brush using tractors with tow behind mowers.
Observed Native Soils (Stratigraphy)	Light yellowish grey sand, fine to medium brained, interspersed with areas of desert pavement.
Disturbed/Re-Deposited Soils	Light yellowish grey sand, fine to medium brained, interspersed with areas of desert pavement.
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None noted. A possible artifact had been previously identified FYI biologist Amy Anderson in 2018. Adam Giacinto requested an archaeologist take a look at the find to determine if it was indeed cultural. BSPPU34-AA-ISO-01 was examined by Patrick Hadel and was determined not to be cultural.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A other than removal of a variety of wildlife from the project area and relocating them outside of the perimeter fence.
Plan for tomorrow	Mowing will resume at 5:45am.
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log


Record: 551	
Monitor Name	Jessica Colston
Date	2019-09-11
Time In (AM)	06:00:00
Time Out (PM)	14:30:00
Safety Briefings Attended/Signed	Dudek
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	
Specify Cultural Resources Monitor(s) and Tribal Cultural Consultant(s). Include full name, organization, etc.	Dudek archaeologist -Jessica Colston -Javier Hernandez -Courtney Davis CRIT Jamahke Welsh
Weather Conditions	Sunny 99
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	BSPPU3_4-PH-S-04 and 05 and 02
Work Type (Machine)	Hand shovel
Work Crew Company	DUDEK
Description of Work	Dudek archaeologist Jessica Colston and Javi Hernandez and Courtney Davis excavated for data recovery testing of site BSPPU3_4-PH-S-05. This included a 5 m x 5 m surface scrape as well as a 2m x 2m surface scrape. There also included 2 STP's and one control unit. No deposits beyond 5 cm below surface were observed. Surface artifacts were collected and ESA was maintained. Dudek archaeologist Jessica Colston and Javi Hernandez and Courtney Davis started excavating for data recovery testing of site BSPPU3_4-PH-S-05. This will resume tomorrow. Artifacts were mapped and units were prepped. Artifacts were mapped and collected. The ESA at BSPPU3_4-PH-S-02 was removed.
Observed Native Soils (Stratigraphy)	Silty sand alluvium with 25 to 80% angular gravels poorly sorted. Alluvium began to have more caliche at approximately 40 cm below surface
Disturbed/Re-Deposited Soils	Na
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	Na
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	Na
Plan for tomorrow	Excavate site BSPPU3_4-PH-S-04
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

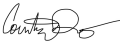
Record: 554

Monitor Name	<i>P.K. Sharp-Garcia</i>
Date	<i>2019-09-11</i>
Time In (AM)	<i>05:30:00</i>
Time Out (PM)	<i>17:00:00</i>
Safety Briefings Attended/Signed	<i>Sukut morning mowing meeting at 5:45</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Dudek Cultural</i> <i>Patrick Hadel; lead CRM monitor</i> <i>Jessica Colston, lead CRM monitor</i> <i>Kurt Lambert</i> <i>Edgar Rojas</i> <i>Courtney Davis</i> <i>Javier Hernandez</i> <i>NV5</i> <i>Brenden Fitzsimons</i> <i>CRIT TCC</i> <i>Kyle Humeuptewa</i> <i>Jamahke Welsh</i>
Weather Conditions	<i>High of 96 degrees.</i>
Hours on Site Not Worked	<i>0.5</i>
Hours Not Worked Reason	<i>Lunch breaks</i>
Monitoring Location	<i>BSPP Unit 3, north side</i>
Work Type (Machine)	<i>Tractor/mower x4, water pull x2, skidsteer mower x2</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	<i>Billy, Donnie, Ronnie, Rance, and others</i>
Work Crew Foreman	<i>Tim</i>
Depth of Excavation (ft)	<i>0</i>
Description of Work	<i>Four tractors pulled rotodisc mowers to remove vegetation, while two water pulls suppressed dust. There was no excavation depth. The monitors drove buggies around clearing wildlife from in front of the mowers and the water truck, and watched for sensitive resources to be uncovered by the mowing.</i>
Observed Native Soils (Stratigraphy)	<i>Silty sand alluvium</i>
Disturbed/Re-Deposited Soils	<i>N/A</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>N/A</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>Monitoring.</i>
Plan for tomorrow	<i>Continue monitoring mowing tomorrow, Thursday.</i>
Signature	<i>PK</i>


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 557	
Monitor Name	Patrick Hadel
Date	2019-09-11
Time In (AM)	06:00:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Morning Tailboard
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Kyle of the CRIT
Weather Conditions	Very hot and humid
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Unit 3 East.
Work Type (Machine)	Tractor with, mower
Work Crew Company	Sukut
Work Crew Operator	Jimmy & Ronnie
Work Crew Foreman	Tim
Depth of Excavation (ft)	0.5
Description of Work	Veg mowing, leaving root balls intact.
Observed Native Soils (Stratigraphy)	Alluvial sands and light gravel
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Plan for tomorrow	Continue mowing
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 563	
Monitor Name	Courtney Davis
Date	2019-09-11
Time In (AM)	05:45:00
Time Out (PM)	14:30:00
Safety Briefings Attended/Signed	Morning meeting - heat, keeping back from the machines, visibility problems due to dust.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Cultural: Courtney Davis (arch - Dudek) Tribal: Jamahke Welsh
Weather Conditions	Sunny and hot all day. Windy starting in the late morning.
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	N/A
Work Type (Machine)	N/A
Work Crew Company	Sukut
Work Crew Operator	N/A
Work Crew Foreman	N/A
Depth of Excavation (ft)	1
Description of Work	Archaeologist and Native monitor were assigned to the archaeology crew doing excavations at archaeological sites for the day.
Observed Native Soils (Stratigraphy)	Light brown silty sand.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	See site reports
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Mowing to continue.
Signature	


Blythe Unit 3 & 4 - Native American Monitoring Form

Record: 593	
Tribal Monitor:	<i>Jamahke Welsh</i>
Date:	<i>2019-09-11</i>
Driver's Name For Shift:	<i>Kyle Humeumptewa</i>
Time In:	<i>06:00:00</i>
Time Out:	<i>14:30:00</i>
Hours on Site Not Worked:	<i>0.5</i>
Hours Not Worked Reason:	<i>Lunch</i>
Project Area(s): (Location)	<i>Ph-s-04</i>
Type of Work and Equipment:	<i>Shovel</i>
Summary of Construction Activities Performed:	<i>Dudek arch's digging for testing</i>
Monitoring Activities Performed (e.g., protection of ESA):	<i>Took down ph-s-02 ESA</i>
Cultural Resources Present:	<i>Site</i>
Signature:	

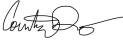
Blythe Unit 3 & 4 - Native American Monitoring Form

Record: 596	
Tribal Monitor:	<i>Kyle Humeumptewa</i>
Date:	<i>2019-09-11</i>
Driver's Name For Shift:	
Vehicle Driven:	<i>4-door chevy</i>
Time In:	<i>06:00:00</i>
Time Out:	<i>16:30:00</i>
Hours on Site Not Worked:	<i>0.5</i>
Hours Not Worked Reason:	<i>Lunch</i>
Project Area(s): (Location)	<i>Blythe solar unit 3</i>
Type of Work and Equipment:	<i>Mowing</i>
Summary of Construction Activities Performed:	<i>Clearing brush from solar field</i>
Depth of Excavation (ft):	<i>1</i>
Monitoring Activities Performed (e.g., protection of ESA):	<i>Mowing</i>
Cultural Resources Present:	<i>Patrick Hadel & Kurt Lambert from Dudek</i>
Comments:	<i>None</i>
Signature:	

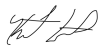
Blythe Unit 3 & 4 - Daily Cultural Log

Record: 560	
Monitor Name	Jessica Colston
Date	2019-09-12
Time In (AM)	06:00:00
Time Out (PM)	11:30:00
Safety Briefings Attended/Signed	Dudek
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	
Specify Cultural Resources Monitor(s) and Tribal Cultural Consultant(s). Include full name, organization, etc.	Dudek archaeologist -Jessica Colston -Javier Hernandez CRIT Jamahke Welsh
Weather Conditions	Sunny 102
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	BSPPU3_4-PH-S-04
Work Type (Machine)	Hand shovel
Work Crew Company	DUDEK
Description of Work	Dudek archaeologist Jessica Colston and Javi Hernandez and Courtney Davis excavated for data recovery testing of site BSPPU3_4-PH-S-04. This included a 5 m x 5 m surface scrape, 2 STP's and one control unit. No deposits beyond 5 cm below surface were observed. Surface artifacts were collected and ESA was maintained.
Observed Native Soils (Stratigraphy)	Silty sand alluvium with 25 to 80% angular gravels poorly sorted. Alluvium began to have more caliche at approximately 40 cm below surface
Disturbed/Re-Deposited Soils	Na
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	Na
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	Na
Plan for tomorrow	None
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 566	
Monitor Name	<i>Courtney Davis</i>
Date	<i>2019-09-12</i>
Time In (AM)	<i>05:45:00</i>
Time Out (PM)	<i>16:30:00</i>
Safety Briefings Attended/Signed	<i>Morning meeting - talked about machines getting too close to monitors as well as visibility issues.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Cultural: Courtney Davis (arch - Dudek) Three CRITs - they rode with other archaeologists.</i>
Weather Conditions	<i>Cool in the early morning, warming up quickly to become sunny and hot for the rest of the day.</i>
Hours on Site Not Worked	<i>0.5</i>
Hours Not Worked Reason	<i>Lunch</i>
Monitoring Location	<i>Unit 3, east Circuit 10.</i>
Work Type (Machine)	<i>Drag gannon and mowers</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	
Work Crew Foreman	<i>Tim Fulkerson</i>
Depth of Excavation (ft)	<i>1</i>
Description of Work	<i>Two tractors pulling drag gannons and two smaller mowers cleared brush and small bushes.</i>
Observed Native Soils (Stratigraphy)	<i>Light brown silty sand.</i>
Disturbed/Re-Deposited Soils	<i>N/A</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>None</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>N/A</i>
Plan for tomorrow	<i>Mowing to continue.</i>
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 569	
Monitor Name	Kurt Lambert
Date	2019-09-12
Time In (AM)	06:00:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Attended and signed Sukut's safety briefing.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Patrick Hadel, Dudek archaeologist PK Sharp-Garcia, Dudek archaeologist Edgar Rojas, Dudek archaeologist Courtney Davis, Dudek archaeologist Kyle Humeumptewa, CRIT tribal monitor
Weather Conditions	Temperature was clear and hot with a high of 102 degrees.
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	Unit 3
Work Type (Machine)	2-3 tractors with tow behind mowers, 2 water trucks, 1 skid steerer
Work Crew Company	Sukut
Work Crew Operator	Varies
Work Crew Foreman	Tim Fulkerson, Sukut
Depth of Excavation (ft)	1
Description of Work	Mowing (clear and grub) of creosote and other brush using tractors with tow behind mowers.
Observed Native Soils (Stratigraphy)	Light yellowish grey sand, fine to medium brained, interspersed with areas of desert pavement.
Disturbed/Re-Deposited Soils	Light yellowish grey sand, fine to medium brained, interspersed with areas of desert pavement.
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None noted.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A other than removal of a variety of wildlife from the project area and relocating them outside of the perimeter fence.
Plan for tomorrow	Mowing will resume at 5:45am.
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 572	
Monitor Name	Edgar Rojas
Date	2019-09-12
Time In (AM)	05:30:00
Time Out (PM)	17:00:00
Safety Briefings Attended/Signed	Yes
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<p>Dudek Patrick Hadel Courtney Davis PK Sharp-Garcia Jessica Colston Javier Hernandez</p> <p>NV5 Branden Fitzsimons</p> <p>CRIT Kyle Humeumptewa Jamahke Welsh Jamil Gary</p>
Weather Conditions	Hot 104°F
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	We were working in Unit 3
Work Type (Machine)	New Holland T7 mower, Cat water truck.
Work Crew Company	Sukut Construction
Work Crew Operator	Various
Work Crew Foreman	Tim Fulkerson
Description of Work	Monitoring for archaeological material during clearing South and W section of Unit 3
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Continuation of the same work
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log


Record: 575	
Monitor Name	P.K. Sharp-Garcia
Date	2019-09-12
Time In (AM)	05:30:00
Time Out (PM)	17:00:00
Safety Briefings Attended/Signed	Sukut morning mowing meeting at 5:45
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<p>Dudek Cultural Patrick Hadel; lead CRM monitor Jessica Colston, lead CRM monitor Kurt Lambert Edgar Rojas Courtney Davis Javier Hernandez</p> <p>NV5 Brenden Fitzsimons</p> <p>CRIT TCC Kyle Humeumptewa Jamahke Welsh Jamil Gary</p>
Weather Conditions	High of 101 degrees.
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch break
Monitoring Location	BSPP Unit 3, north side
Work Type (Machine)	Tractor/mower x4, water pull x2, skisteer mower x2
Work Crew Company	Sukut
Work Crew Operator	Billy, Donnie, Ronnie, Rance, and others
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	0
Description of Work	<p>Four tractors pulled rotodisc mowers to remove vegetation, while two water pulls suppressed dust. There was no excavation depth. The monitors drove buggies around clearing wildlife from in front of the mowers and the water truck, and watched for sensitive resources to be uncovered by the mowing.</p> <p>PK also monitored two kit fox den collapses.</p>
Observed Native Soils (Stratigraphy)	Silty sand alluvium
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	N/A
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	Monitoring.
Plan for tomorrow	Continue monitoring mowing tomorrow, Friday the 13th.
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 587	
Monitor Name	Patrick Hadel
Date	2019-09-12
Time In (AM)	06:00:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Morning Tailboard
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Kyle Humeumtewa of the CRIT
Weather Conditions	Very hot and humid
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Unit 3 East.
Work Type (Machine)	Tractor with, mower
Work Crew Company	Sukut
Work Crew Operator	Jimmy & Ronnie
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	0.5
Description of Work	Veg mowing. Leaving root balls intact.
Observed Native Soils (Stratigraphy)	Alluvial sands and light gravel
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	A 1917 USGS monument was uncovered in the SW corner of unit 3. It was left insitu until its original location can be discovered by surveyor.
Plan for tomorrow	Continue mowing
Signature	


Blythe Unit 3 & 4 - Native American Monitoring Form

Record: 599


Tribal Monitor:	<i>Jamil Gary</i>
Date:	<i>2019-09-12</i>
Driver's Name For Shift:	<i>Jamil Gary</i>
Vehicle Driven:	<i>White F 150 #83</i>
Time In:	<i>06:00:00</i>
Time Out:	<i>09:23:00</i>
Hours on Site Not Worked:	<i>0</i>
Project Area(s): (Location)	<i>Unit 3</i>
Type of Work and Equipment:	<i>collapsing fox dens</i>
Summary of Construction Activities Performed:	<i>collapsing fox dens</i>
Depth of Excavation (ft):	<i>1</i>
Monitoring Activities Performed (e.g., protection of ESA):	<i>observation</i>
Cultural Resources Present:	<i>no</i>
Signature:	

Blythe Unit 3 & 4 - Native American Monitoring Form

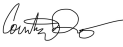
Record: 602

Tribal Monitor:	<i>Jamahke Welsh</i>
Date:	<i>2019-09-12</i>
Driver's Name For Shift:	<i>Kyle Humeumptewa</i>
Time In:	<i>06:00:00</i>
Time Out:	<i>14:30:00</i>
Hours on Site Not Worked:	<i>0.5</i>
Hours Not Worked Reason:	<i>Lunch</i>
Project Area(s): (Location)	<i>Ph-s-05</i>
Type of Work and Equipment:	<i>Shovel</i>
Summary of Construction Activities Performed:	<i>Dudek arch's digging for testing</i>
Monitoring Activities Performed (e.g., protection of ESA):	
Cultural Resources Present:	<i>Site</i>
Signature:	


Blythe Unit 3 & 4 - Native American Monitoring Form

Record: 605	
Tribal Monitor:	<i>Kyle Humeumptewa</i>
Date:	<i>2019-09-12</i>
Driver's Name For Shift:	
Vehicle Driven:	<i>4-door Chevy</i>
Time In:	<i>06:00:00</i>
Time Out:	<i>16:30:00</i>
Hours on Site Not Worked:	<i>0.5</i>
Hours Not Worked Reason:	<i>Lunch</i>
Project Area(s): (Location)	<i>Blythe solar unit 3</i>
Type of Work and Equipment:	<i>Mowing</i>
Summary of Construction Activities Performed:	<i>Clearing brush from solar field</i>
Depth of Excavation (ft):	<i>1</i>
Monitoring Activities Performed (e.g., protection of ESA):	<i>Mowing</i>
Cultural Resources Present:	<i>Patrick Hadel & Kurt Lambert from Dudek</i>
Comments:	<i>None</i>
Signature:	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 578	
Monitor Name	Courtney Davis
Date	2019-09-13
Time In (AM)	05:45:00
Time Out (PM)	09:45:00
Safety Briefings Attended/Signed	Morning meeting - talked about making sure to give the monitors enough room.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Cultural: Courtney Davis (arch - Dudek) CRIT: Kyle Humeumptewa
Weather Conditions	Cool in the early morning, warming up quickly to become sunny and hot.
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	Unit 3, east Circuit 10.
Work Type (Machine)	Drag gannon and mowers
Work Crew Company	Sukut
Work Crew Operator	
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	1
Description of Work	Two tractors pulling drag gannons and two smaller mowers cleared brush and small bushes. Monitor sent home early due to there being more than enough monitors.
Observed Native Soils (Stratigraphy)	Light brown silty sand.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Some mowing on Monday. Grading to begin.
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 581	
Monitor Name	Kurt Lambert
Date	2019-09-13
Time In (AM)	06:00:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Attended and signed Sukut's safety briefing presented by foreman Tim Fulkerson.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<p>Kurt Lambert, Dudek archaeologist Patrick Hadel, Dudek archaeologist PK Sharp-Garcia, Dudek archaeologist Jessica Colston, Dudek archaeologist Courtney Davis, Dudek archaeologist</p> <p>Kyle Humeuptewa, CRIT tribal monitor Jamahke Welsh, CRIT tribal monitor</p> <p>Note: At 8:30am it was determined that the remainder of the work today could be accomplished with two crews. PK and I remained to monitor construction activities. At 2:30pm, PK was released as the reduction in work space made two crews unnecessary.</p>
Weather Conditions	Temperature was clear and hot with a high of 104 degrees.
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	Unit 3, Unit 4 (for new lay down yard)
Work Type (Machine)	1-2 tractors with tow behind mowers, 2 water trucks, 1 skid steer
Work Crew Company	Sukut
Work Crew Operator	Varies
Work Crew Foreman	Tim Fulkerson, Sukut
Depth of Excavation (ft)	1
Description of Work	<p>Mowing (clear and grub) of creosote and other brush using tractors with tow behind mowers in Unit 3. At 9:00am Sukut wanted to clear a new lay down yard in Unit 4, next to the solitary green Connex. Clearing the yard took approximately two hours, after which the mowers returned to mowing and grading what they had mowed earlier today, using the mowers and skid steer to also level the area.</p> <p>At 10:15am the Sukut's crew brought out the Caterpillar 623 paddle scraper to test the feasibility of using it to assist in the mowing. Experimentation just south of the newly cleared lay down yard lasted approximately 15 minutes, after which it returned to the yard.</p> <p>The mowing crew continued mowing south west of laydown yard #1 until 4:15pm.</p> <p>No cultural resources were observed during today's activities although a possible target arrow was noted by Patrick within Kit Fox den H.</p>
Observed Native Soils (Stratigraphy)	Light yellowish grey sand, fine to medium brained, interspersed with areas of desert pavement.
Disturbed/Re-Deposited Soils	Light yellowish grey sand, fine to medium brained, interspersed with areas of desert pavement.
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None noted.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A other than removal of a variety of wildlife from the project area and relocating them outside of the perimeter fence.
Plan for tomorrow	Mowing will resume Monday at 5:45am. In addition, plans are to begin cutting and smoothing roads using a Caterpillar 16M blade, a Caterpillar dozer, the Caterpillar 623 paddle scraper, a compactor-roller, and two water trucks.
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 584	
Monitor Name	<i>P.K. Sharp-Garcia</i>
Date	<i>2019-09-13</i>
Time In (AM)	<i>05:30:00</i>
Time Out (PM)	<i>15:30:00</i>
Safety Briefings Attended/Signed	<i>Sukut morning mowing meeting at 5:45</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Dudek Cultural</i> <i>Patrick Hadel; lead CRM monitor</i> <i>Jessica Colston, lead CRM monitor</i> <i>Kurt Lambert</i> <i>Courtney Davis</i> <i>NV5</i> <i>Brenden Fitzsimons</i> <i>CRIT TCC</i> <i>Kyle Humeumptewa</i> <i>Jamahke Welsh</i>
Weather Conditions	<i>High of 101 degrees.</i>
Hours on Site Not Worked	<i>0.5</i>
Hours Not Worked Reason	<i>Lunch break</i>
Monitoring Location	<i>BSPP Unit 3, north side</i>
Work Type (Machine)	<i>Tractor/mower x4, water pull x2, skisteer mower x2</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	<i>Billy, Donnie, Ronnie, Rance, and others</i>
Work Crew Foreman	<i>Tim Fulkerson</i>
Depth of Excavation (ft)	<i>0</i>
Description of Work	<i>Four tractors pulled rotodisc mowers to remove vegetation, while two water pulls suppressed dust. There was no excavation depth. The monitors drove buggies around clearing wildlife from in front of the mowers and the water truck, and watched for sensitive resources to be uncovered by the mowing.</i>
Observed Native Soils (Stratigraphy)	<i>Silty sand alluvium</i>
Disturbed/Re-Deposited Soils	<i>N/A</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>N/A</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>Monitoring.</i>
Plan for tomorrow	<i>Mowing will pick up on Monday.</i>
Signature	<i>PK</i>


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 590	
Monitor Name	Patrick Hadel
Date	2019-09-13
Time In (AM)	06:00:00
Time Out (PM)	10:30:00
Safety Briefings Attended/Signed	Morning Tailboard
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Kyle Humeumptewa of the CRIT
Weather Conditions	Very hot and humid
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Unit 3 East. Tractor
Work Type (Machine)	with mower
Work Crew Company	Sukut
Work Crew Operator	Jimmy & Ronnie
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	0.5
Description of Work	Veg mowing. Leaving root balls intact.
Observed Native Soils (Stratigraphy)	Alluvial sands and light gravel
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	
Plan for tomorrow	Continue mowing
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 593	
Monitor Name	Jessica Colston
Date	2019-09-13
Time In (AM)	06:00:00
Time Out (PM)	11:00:00
Safety Briefings Attended/Signed	Dudek
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	yes
Specify Cultural Resources Monitor(s) and Tribal Cultural Consultant(s). Include full name, organization, etc.	Dudek archaeologist -Jessica Colston -Patrick Hadel -Kurt Lambert -PK Sharp-Garcia -Courtney Davis CRIT Jamahke Welsh Kyle Humeumptewa Jamil Gary
Weather Conditions	Sunny 102
Hours on Site Not Worked	0
Hours Not Worked Reason	Na
Monitoring Location	BSPPU3_4-PH-S-04
Work Type (Machine)	Skid steer mower
Work Crew Company	DUDEK
Work Crew Operator	Ronnie
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	1
Description of Work	Dudek archaeologist Jessica Colston and CRIT TCC Jamahke Welsh monitored the mowing of vegetation on Unit-3.
Observed Native Soils (Stratigraphy)	Silty sand alluvium with 25 to 80% angular gravels poorly sorted. Alluvium began to have more caliche at approximately 40 cm below surface
Disturbed/Re-Deposited Soils	Na
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	Na
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	Na
Plan for tomorrow	None
Signature	

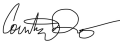
Blythe Unit 3 & 4 - Daily Cultural Log

Record: 596	
Monitor Name	Kurt Lambert
Date	2019-09-16
Time In (AM)	06:00:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Attended and signed Sukut's safety briefing presented by foreman Tim Fulkerson.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<p>Kurt Lambert, Dudek archaeologist - road crew Patrick Hadel, Dudek archaeologist - mowing crew Courtney Davis, Dudek archaeologist - road crew</p> <p>Bryan Etsitty, CRIT tribal monitor Barry Sharp, CRIT tribal monitor</p> <p>Note: At 8:30am it was determined that the remainder of the work today could be accomplished with two crews. PK and I remained to monitor construction activities. At 2:30pm, PK was released as the reduction in work space made two crews unnecessary.</p>
Weather Conditions	Temperature was clear and hot with a high of 104 degrees.
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	Unit 3
Work Type (Machine)	Caterpillar 16M blade, Caterpillar D8 dozer, two water trucks
Work Crew Company	Sukut
Work Crew Operator	Varies
Work Crew Foreman	Tim Fulkerson, Sukut
Depth of Excavation (ft)	2
Description of Work	<p>Today's activities included cutting roads in the northeast portion of Unit 3 and the continuation of mowing throughout Unit 3. Cutting required the blade and dozer digging and ripping to a depth of 18" once the alignment was established the blade was used for fine grading and compaction. The dozer processed the soil with multiple passes.</p> <p>Mowing required the use of a tractor pulling a mower and a skid steer. This mowing activity quickly became a grading activity as they were used to fill swales with raised areas to flatten the ground.</p> <p>No cultural resources were observed during today's activities although a possible target arrow was noted by Patrick within Kit Fox den H.</p>
Observed Native Soils (Stratigraphy)	Light yellowish grey sand, fine to medium brained, interspersed with areas of desert pavement.
Disturbed/Re-Deposited Soils	Light yellowish grey sand, fine to medium brained, interspersed with areas of desert pavement.
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None noted.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A other than removal of a variety of wildlife from the project area and relocating them outside of the perimeter fence.
Plan for tomorrow	Mowing will resume Tuesday at 5:45am. In addition, cutting of roads in the northeast corner of Unit 3 would resume.
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 599	
Monitor Name	<i>Patrick Hadel</i>
Date	<i>2019-09-16</i>
Time In (AM)	<i>06:00:00</i>
Time Out (PM)	<i>16:45:00</i>
Safety Briefings Attended/Signed	<i>Morning Tailboard</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Barry Sharp of the CRIT</i>
Weather Conditions	<i>Very hot and humid</i>
Hours on Site Not Worked	<i>0.5</i>
Hours Not Worked Reason	<i>Lunch</i>
Monitoring Location	<i>Unit 3 East.</i>
Work Type (Machine)	<i>Tractor with, mower</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	<i>Jimmy & Ronnie</i>
Work Crew Foreman	<i>Tim Fulkerson</i>
Depth of Excavation (ft)	<i>0.5</i>
Description of Work	<i>Veg clearing with skid steer. Ground smoothing with mower.</i>
Observed Native Soils (Stratigraphy)	<i>Alluvial sands and light gravel</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	
Plan for tomorrow	<i>Finish mowing tomorrow</i>
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

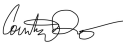
Record: 602	
Monitor Name	Courtney Davis
Date	2019-09-16
Time In (AM)	05:45:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Morning meeting - talked about making sure to give the monitors enough room.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Cultural: Courtney Davis (arch - Dudek) CRIT: Bryan Ettiya
Weather Conditions	Warm in the early morning, warming up quickly to become sunny and hot. Very windy in the afternoon.
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Unit 3, east Circuit 10.
Work Type (Machine)	D8 Dozer
Work Crew Company	Sukut
Work Crew Operator	
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	2.5
Description of Work	Dozer cut areas for roads around perimeter of site. One going east from Laydown Yard 1, and the other going north-south at the east end of the project area.
Observed Native Soils (Stratigraphy)	Light brown silty sand.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Cutting of roads to continue.
Signature	

Blythe Unit 3 & 4 - Native American Monitoring Form


Record: 608

Tribal Monitor:	<i>Barry Sharp</i>
Date:	<i>2019-09-16</i>
Time In:	<i>17:45:00</i>
Time Out:	<i>16:45:00</i>
Hours on Site Not Worked:	<i>0.5</i>
Hours Not Worked Reason:	<i>Lunch</i>
Project Area(s): (Location)	<i>Unit 3</i>
Type of Work and Equipment:	<i>Observation of vegetation removal</i>
Cultural Resources Present:	<i>None</i>
Signature:	<i>Barry Sharp</i>


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 605	
Monitor Name	Courtney Davis
Date	2019-09-17
Time In (AM)	05:45:00
Time Out (PM)	15:00:00
Safety Briefings Attended/Signed	Morning meeting - talked about how the monitors need to be sure not to get right behind the machines, because the operators can't see us.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Cultural: Courtney Davis (arch - Dudek) CRIT: Barry Sharp
Weather Conditions	Breezy starting immediately at the start of the day, getting very windy in the afternoon. Warm to begin with, sunny, getting hot as the day progressed.
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Unit 3, east Circuit 10.
Work Type (Machine)	Skidsteer
Work Crew Company	Sukut
Work Crew Operator	Rance
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	0.5
Description of Work	Touch-up work on mowing, but mower is going further down into the soil than with normal mowing activities, approaching what one might do for grading.
Observed Native Soils (Stratigraphy)	Light brown silty sand.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Mowing is finished. Grading of roads to continue.
Signature	

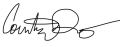
Blythe Unit 3 & 4 - Daily Cultural Log

Record: 608	
Monitor Name	Kurt Lambert
Date	2019-09-17
Time In (AM)	05:45:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Attended and signed Sukut's safety briefing presented by foreman Tim Fulkerson.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<p>Kurt Lambert, Dudek archaeologist - road crew Patrick Hadel, Dudek archaeologist - road crew Courtney Davis, Dudek archaeologist - mowing crew</p> <p>Bryan Etsitty, CRIT tribal monitor Barry Sharp, CRIT tribal monitor</p> <p>Note: At 8:00am it was determined that the remainder of the work today could be accomplished with two crews. Courtney remained with the mowing crew while I monitored the road crew. Patrick ran errands such as making sure all of the diesel tanks were filled and performing routine maintenance on the portable generator. At 2:45pm the mowing crew completed their activity so Courtney was released for the day.</p>
Weather Conditions	Temperature was clear and hot with a high of 101 degrees.
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	Unit 3
Work Type (Machine)	Caterpillar 16M blade, Caterpillar D8 dozer, Caterpillar 623 paddle scraper, roller, two water trucks
Work Crew Company	Sukut
Work Crew Operator	Varies
Work Crew Foreman	Tim Fulkerson, Sukut
Depth of Excavation (ft)	2
Description of Work	<p>Today's activities included cutting roads in the northeast portion of Unit 3 and the continuation of mowing throughout Unit 3. Cutting required the blade and dozer digging and ripping to a depth of 18". The dozer processed the soil with multiple passes.</p> <p>Mowing required the use of a skid steer to basically grade the uneven ground in the southern portion of Unit 3.</p> <p>At 11:00am we were informed that a hole to test soil resistivity measuring 1' x 2' x 3' was to be dug in Unit 2 south of the road leading to the laydown yard. Once we arrived, however, we were told that there would be three holes dug, and that one had already been dug and backfilled. These were excavated with a John Deere 35D mini excavator. Excavations measured 6' long x 2' wide x 4' deep, much larger than we were told. The westernmost hole was excavated before we were notified according to Jim the operator.</p> <p>No cultural resources were observed during today's activities.</p>
Observed Native Soils (Stratigraphy)	Light yellowish grey sand, fine to medium grained, becoming a fine grained light tan sandy silt, interspersed with areas of desert pavement.
Disturbed/Re-Deposited Soils	Light yellowish grey sand, fine to medium grained, interspersed with areas of desert pavement.
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None noted.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A other than removal of a variety of wildlife from the project area and relocating them outside of the perimeter fence.
Plan for tomorrow	Roadwork will resume Wednesday at 5:45am. In addition, kit fox den collapsing will be occurring in the morning.
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 611	
Monitor Name	Kurt Lambert
Date	2019-09-18
Time In (AM)	05:45:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Attended and signed Sukut's safety briefing presented by foreman Tim Fulkerson. Attended and signed Sukut safety officer Tim's briefing regarding housekeeping.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Kurt Lambert, Dudek archaeologist - den excavation and mowing crew Courtney Davis, Dudek archaeologist - road crew Bryan Etsitty, CRIT tribal monitor - den excavation and mowing crew Barry Sharp, CRIT tribal monitor - road crew Note: Kit fox den B collapsing was completed by 11:00am. Kit fox den H is still inhabited. Mowing at Den B began at 2:00pm.
Weather Conditions	Temperature was clear and hot with a high of 101 degrees.
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	Unit 3
Work Type (Machine)	Den collapsing consisted of hand tools and a John Deere 35D mini excavator.
Work Crew Company	Sukut
Work Crew Operator	Varies
Work Crew Foreman	Tim Fulkerson, Sukut
Depth of Excavation (ft)	4.5
Description of Work	Today's activities included cutting of roads in the northeast corner of Unit 3 and den collapsing at Den B. Kit fox den B collapsing was completed by 11:00am. An area approximately 15' x 10' x 4.5' deep was excavated using hand tools and a mini excavator. Kit fox den H is still inhabited so it was not collapsed. Mowing at Den B began at 2:00pm. Mowing was completed using the skid steer. The road crew was monitored by Courtney and Barry. This included the cutting of topsoil with a Caterpillar 16M blade and processing with a Caterpillar D8T dozer. Additional equipment included a Caterpillar 623 paddle scraper, a roller and three water trucks. No cultural resources were observed during today's activities.
Observed Native Soils (Stratigraphy)	Light yellowish grey sand, fine to medium grained, becoming a fine grained light tan sandy silt, interspersed with areas of desert pavement.
Disturbed/Re-Deposited Soils	Light yellowish grey sand, fine to medium grained, interspersed with areas of desert pavement.
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	On 9-12-2019 Dudek archaeologist Patrick Hadel noted the location of two USGS survey monuments (cadastrals) at the bored of Units 3 and 4. These needed to be updated and photographed and were given the designation BSPP-KL-ISO-01. The two monuments were a distance of 28' apart. The eastern monument was knocked down, so its original provenience is unknown. The two monuments had different locational data. Examination of photographs of the two isolates should reveal additional information.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	The Collector locations of BSPP-KL-ISO-01 were updated and the two monuments were photographed.
Plan for tomorrow	Roadwork will resume Thursday at 5:45am. In addition, kit fox den 5 in Unit 4 collapsing will be occurring in the morning.
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log


Record: 614	
Monitor Name	Courtney Davis
Date	2019-09-18
Time In (AM)	05:45:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Morning meeting - talked about housekeeping— keeping organized, not leaving trash out.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Cultural: Courtney Davis (arch - Dudek) CRIT: Barry Sharp
Weather Conditions	Cool in the early morning, warming up quickly to become sunny and hot. Mildly breezy in the morning. Very windy in the afternoon.
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Unit 3.
Work Type (Machine)	D8 Dozer
Work Crew Company	Sukut
Work Crew Operator	
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	2.5
Description of Work	Dozer cut areas for roads throughout Unit 3.
Observed Native Soils (Stratigraphy)	Light brown silty sand.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Cutting of roads to continue.
Signature	

Blythe Unit 3 & 4 - Native American Monitoring Form

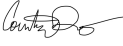
Record: 611	
Tribal Monitor:	<i>Barry Sharp</i>
Date:	<i>2019-09-19</i>
Driver's Name For Shift:	<i>Barry Sharp</i>
Vehicle Driven:	<i>Fleet Vehicle - Ford Expedition</i>
Time In:	<i>05:45:00</i>
Time Out:	<i>13:45:00</i>
Hours on Site Not Worked:	<i>0.5</i>
Hours Not Worked Reason:	<i>Lunch</i>
Project Area(s): (Location)	<i>Unit 3</i>
Type of Work and Equipment:	<i>Digging out a fox den with shovels and mini excavator.</i>
Summary of Construction Activities Performed:	<i>Fox den was dug with shovels to collapse the tunnels. Once hand digging was done, the mini excavator spread the dirt around the area evenly.</i>
Depth of Excavation (ft):	<i>4</i>
Monitoring Activities Performed (e.g., protection of ESA):	<i>Watched to see if any artifacts appeared while the biologists were digging.</i>
Cultural Resources Present:	<i>Arch: Courtney Davis</i>
Signature:	

Blythe Unit 3 & 4 - Native American Monitoring Form

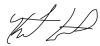
Record: 614

Tribal Monitor:	<i>Jamil Gary</i>
Date:	<i>2019-09-19</i>
Driver's Name For Shift:	<i>Jamil Gary</i>
Vehicle Driven:	<i>White F150</i>
Time In:	<i>06:15:00</i>
Time Out:	<i>16:30:00</i>
Hours on Site Not Worked:	<i>0</i>
Project Area(s): (Location)	<i>Unit 3</i>
Type of Work and Equipment:	<i>Grading access road with scrapers, compactors, and water trucks.</i>
Summary of Construction Activities Performed:	<i>Grading access road with scrapers, compactors, and water trucks.</i>
Depth of Excavation (ft):	<i>1</i>
Monitoring Activities Performed (e.g., protection of ESA):	<i>Cultural monitoring</i>
Cultural Resources Present:	<i>None</i>
Signature:	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 617	
Monitor Name	Courtney Davis
Date	2019-09-19
Time In (AM)	05:45:00
Time Out (PM)	13:45:00
Safety Briefings Attended/Signed	Morning meeting.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Cultural: Courtney Davis (arch - Dudek) CRIT: Barry Sharp
Weather Conditions	Cool in the early morning, warming up quickly to become sunny and hot with some mild breezes.
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Unit 3.
Work Type (Machine)	D8 Dozer
Work Crew Company	Sukut
Work Crew Operator	
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	4
Description of Work	Biologists collapsed a fox den.
Observed Native Soils (Stratigraphy)	Light brown silty sand.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Cutting of roads to continue.
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log


Record: 620	
Monitor Name	<i>Kurt Lambert</i>
Date	<i>2019-09-19</i>
Time In (AM)	<i>05:45:00</i>
Time Out (PM)	<i>16:30:00</i>
Safety Briefings Attended/Signed	<i>Attended and signed Sukut's safety briefing presented by foreman Tim Fulkerson.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Kurt Lambert, Dudek archaeologist - road crew Courtney Davis, Dudek archaeologist - den excavation crew Barry Sharp, CRIT tribal monitor - den excavation crew Jamil Gary, CRIT tribal monitor - road crew</i>
Weather Conditions	<i>Temperature was clear and hot with a high of 98 degrees.</i>
Hours on Site Not Worked	<i>0</i>
Hours Not Worked Reason	<i>N/A</i>
Monitoring Location	<i>Unit 3</i>
Work Type (Machine)	<i>Caterpillar 16M blade, Caterpillar D8T dozer, roller, three water trucks</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	<i>Varies</i>
Work Crew Foreman	<i>Tim Fulkerson, Sukut</i>
Depth of Excavation (ft)	<i>1.5</i>
Description of Work	<i>Today's activities included cutting and compaction of roads in the northeast corner of Unit 3 and den collapsing at Den 5 in Unit 4. Mowing with the skid steer resumed at Den B and was completed at 7:45am. No cultural resources were observed during today's activities. CRIT tribal monitor Jamil Gary had no issues or concerns with today's activities.</i>
Observed Native Soils (Stratigraphy)	<i>Light yellowish grey sand, fine to medium grained, becoming a fine grained light tan sandy silt, interspersed with areas of desert pavement.</i>
Disturbed/Re-Deposited Soils	<i>Light yellowish grey sand, fine to medium grained, interspersed with areas of desert pavement.</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>None</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>N/A</i>
Plan for tomorrow	<i>Roadwork will resume Friday at 5:45am.</i>
Signature	

Blythe Unit 3 & 4 - Native American Monitoring Form

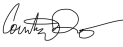
Record: 617

Tribal Monitor:	<i>Barry Sharp</i>
Date:	<i>2019-09-20</i>
Driver's Name For Shift:	<i>Barry Sharp</i>
Vehicle Driven:	<i>Ford Expedition</i>
Time In:	<i>06:00:00</i>
Time Out:	<i>14:00:00</i>
Project Area(s): (Location)	<i>Unit 3</i>
Type of Work and Equipment:	<i>Monitoring/observation of bulldozer</i>
Summary of Construction Activities Performed:	<i>Road access development</i>
Monitoring Activities Performed (e.g., protection of ESA):	<i>Walking/following</i>
Cultural Resources Present:	<i>None</i>
Signature:	<i>Barry Sharp</i>


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 623	
Monitor Name	Kurt Lambert
Date	2019-09-20
Time In (AM)	05:30:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Attended and signed Sukut's safety briefing presented by foreman Tim Fulkerson.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Kurt Lambert, Dudek archaeologist Courtney Davis, Dudek archaeologist Barry Sharp, CRIT tribal monitor
Weather Conditions	Temperature was clear and hot with a high of 95 degrees.
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	Unit 3
Work Type (Machine)	Caterpillar 16M blade, Caterpillar D8T dozer, roller, three water trucks
Work Crew Company	Sukut
Work Crew Operator	Varies
Work Crew Foreman	Tim Fulkerson, Sukut
Depth of Excavation (ft)	1.5
Description of Work	Today's activities included cutting and compaction of roads in the northeast corner of Unit 3 with equipment mentioned above. No cultural resources were observed during today's activities. CRIT tribal monitor Barry Sharp had no issues or concerns with today's activities.
Observed Native Soils (Stratigraphy)	Light yellowish grey sand, fine to medium grained, becoming a fine grained light tan sandy silt, interspersed with areas of desert pavement.
Disturbed/Re-Deposited Soils	Light yellowish grey sand, fine to medium grained, interspersed with areas of desert pavement.
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	No cultural discoveries. Fossilized tortoise skute located in Unit 3. Specimen measures 6.2cm long x 5.6cm wide x 0.8cm. Specimen was photographed and GPSed on Collector. The specimen was not collected per Mike Williams and Sarah Siren.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	During the morning meeting Sukut foreman Tim Fulkerson asked us when the ESA at BSPP3/4U-PH-06 would be available to construction activities, or if it was possible for the east boundary to be moved in 4-5' so they could finish the perimeter road. I contacted Adam Giacinto regarding the timeline and the possibility of moving the perimeter. Adam said that shifting the boundary in was okay as long any site impact is avoided. The cobbles that make up the site constituents are now located 17-18' from the boundary, as opposed to the prior 20'. The northeast stake was moved 5' to the west. The center stake was brought in 2' and the southeast corner stake remained in place. I remained on location during all road construction activities adjacent to the site. No disturbance occurred during construction activities.
Plan for tomorrow	Roadwork will resume Monday at 5:45am. Kit Fox Den H may be collapsed on Monday, likely followed by mowing.
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 626	
Monitor Name	<i>Courtney Davis</i>
Date	<i>2019-09-20</i>
Time In (AM)	<i>05:45:00</i>
Time Out (PM)	<i>13:00:00</i>
Safety Briefings Attended/Signed	<i>Morning meeting.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Cultural: Courtney Davis (arch - Dudek) CRIT: Barry Sharp</i>
Weather Conditions	<i>Cool in the early morning, warming up quickly to become sunny and hot. Breezy throughout the day.</i>
Hours on Site Not Worked	<i>0.5</i>
Hours Not Worked Reason	<i>Lunch</i>
Monitoring Location	<i>Unit 3</i>
Work Type (Machine)	<i>D8 Dozer</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	
Work Crew Foreman	<i>Tim Fulkerson</i>
Depth of Excavation (ft)	<i>2.5</i>
Description of Work	<i>Dozer cut areas for roads throughout Unit 3.</i>
Observed Native Soils (Stratigraphy)	<i>Light brown silty sand.</i>
Disturbed/Re-Deposited Soils	<i>N/A</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>No artifacts, however a piece of fossilized tortoise shell was found. As per instructions from Mike Williams, the location of the fossil was recorded, but it was not collected.</i>
	<i>Lat: 33.66236498 Long: -114.72586149</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>N/A</i>
Plan for tomorrow	<i>Cutting of roads to continue on Monday.</i>
Signature	

Blythe Unit 3 & 4 - Native American Monitoring Form

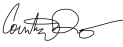
Record: 620	
Tribal Monitor:	<i>Rudy Martinez</i>
Date:	<i>2019-09-23</i>
Driver's Name For Shift:	<i>Rudy Martinez</i>
Vehicle Driven:	<i>Fleet Vehicle - Ford Expedition</i>
Time In:	<i>05:45:00</i>
Time Out:	<i>15:30:00</i>
Hours on Site Not Worked:	<i>0.5</i>
Hours Not Worked Reason:	<i>Lunch</i>
Project Area(s): (Location)	<i>Unit 3</i>
Type of Work and Equipment:	<i>Digging out a fox den with shovels and mowing.</i>
Summary of Construction Activities Performed:	<i>Fox den was dug with shovels to collapse the tunnels. Once hand digging was done, the mini excavator spread the dirt around the area evenly.</i>
Depth of Excavation (ft):	<i>4</i>
Monitoring Activities Performed (e.g., protection of ESA):	<i>Watched to see if any artifacts appeared while the biologists were digging.</i>
Cultural Resources Present:	<i>Arch: Courtney Davis</i>
Signature:	

Blythe Unit 3 & 4 - Native American Monitoring Form


Record: 623

Tribal Monitor:	<i>Lorenzo Tahbo</i>
Date:	<i>2019-09-23</i>
Driver's Name For Shift:	<i>Rudy Martinez</i>
Vehicle Driven:	<i>2015 Chevrolet Silverado</i>
Time In:	<i>06:00:00</i>
Time Out:	<i>16:30:00</i>
Hours Not Worked Reason:	<i>N/a</i>
Project Area(s): (Location)	<i>Unit 3</i>
Type of Work and Equipment:	<i>Road crew, consisted of grading and re-processing</i>
Summary of Construction Activities Performed:	<i>The blade machine was making new roads in the unit and the dozer was coming in from behind processing the roads with water trucks wetting the soils for dust control.</i>
Depth of Excavation (ft):	<i>1</i>
Monitoring Activities Performed (e.g., protection of ESA):	<i>Followed the machines making sure nothing cultural or any significant surfaces had been disturbed.</i>
Cultural Resources Present:	<i>None</i>
Signature:	<i>Lorenzo Tahbo</i>

Blythe Unit 3 & 4 - Daily Cultural Log


Record: 629	
Monitor Name	<i>Courtney Davis</i>
Date	<i>2019-09-23</i>
Time In (AM)	<i>05:45:00</i>
Time Out (PM)	<i>15:30:00</i>
Safety Briefings Attended/Signed	<i>Morning meeting.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Cultural: Courtney Davis (arch - Dudek) CRIT: Rudy Martinez</i>
Weather Conditions	<i>Cool and cloudy with some lightning in the morning. Partly cloudy to scattered clouds as the day progressed. A few drops of rain in the late morning, quickly stopping. Light breezes in the morning giving way to strong gusts in the afternoon.</i>
Hours on Site Not Worked	<i>0.5</i>
Hours Not Worked Reason	<i>Lunch</i>
Monitoring Location	<i>Unit 3</i>
Work Type (Machine)	<i>Skid steer</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	<i>Rance</i>
Work Crew Foreman	<i>Tim Fulkerson</i>
Depth of Excavation (ft)	<i>2</i>
Description of Work	<i>Biologist collapsed fox dens. Then skid steer mowed area.</i>
Observed Native Soils (Stratigraphy)	<i>Light brown silty sand.</i>
Disturbed/Re-Deposited Soils	<i>N/A</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>None.</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>N/A</i>
Plan for tomorrow	<i>Cutting of roads and mowing.</i>
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

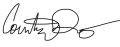
Record: 632	
Monitor Name	Kurt Lambert
Date	2019-09-23
Time In (AM)	05:30:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Attended and signed Sukut's safety briefing presented by foreman Tim Fulkerson.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Kurt Lambert, Dudek archaeologist, road crew Courtney Davis, Dudek archaeologist, den collapse/mowing crew Lorenzo Tahbo, CRIT tribal monitor, road crew Rudy Martinez, CRIT tribal monitor, den collapse/mowing crew
Weather Conditions	Temperature was partly cloudy, humid and hot with a high of 96 degrees.
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	Unit 3
Work Type (Machine)	Caterpillar 16M blade, Caterpillar D8T dozer, Caterpillar 623 scraper, roller, three water trucks
Work Crew Company	Sukut
Work Crew Operator	Varies
Work Crew Foreman	Tim Fulkerson, Sukut
Depth of Excavation (ft)	1.5
Description of Work	Today's activities included cutting and compaction of roads in the northeast corner of Unit 3 with equipment mentioned above. This was monitored by Lorenzo and myself. Additional activity was collapsing Den H, followed by mowing of the area. This was monitored by Courtney and Rudy. No cultural resources were observed during today's activities. CRIT tribal monitor Lorenzo Tahbo had no issues or concerns with today's activities.
Observed Native Soils (Stratigraphy)	Light yellowish grey sand, fine to medium grained, becoming a fine grained light tan sandy silt, interspersed with areas of desert pavement.
Disturbed/Re-Deposited Soils	Light yellowish grey sand, fine to medium grained, interspersed with areas of desert pavement.
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	No cultural discoveries.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	Kit fox entered road construction activity area. It was monitored by biologist Ben Delancey. Road work was allowed to proceed away from the kit fox.
Plan for tomorrow	Roadwork will resume Tuesday at 5:45am.
Signature	

Blythe Unit 3 & 4 - Native American Monitoring Form


Record: 626

Tribal Monitor:	<i>Rudy Martinez</i>
Date:	<i>2019-09-24</i>
Driver's Name For Shift:	<i>Rudy Martinez</i>
Vehicle Driven:	<i>Ford four door</i>
Time In:	<i>05:45:00</i>
Time Out:	<i>16:30:00</i>
Project Area(s): (Location)	<i>Unit 3</i>
Type of Work and Equipment:	<i>Blade, water truck, and mulcher</i>
Summary of Construction Activities Performed:	<i>Finished mowing then monitored road creation and development.</i>
Depth of Excavation (ft):	<i>2</i>
Signature:	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 635	
Monitor Name	<i>Courtney Davis</i>
Date	<i>2019-09-24</i>
Time In (AM)	<i>05:45:00</i>
Time Out (PM)	<i>16:00:00</i>
Safety Briefings Attended/Signed	<i>Morning meeting.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Cultural: Courtney Davis (arch - Dudek) CRIT: Rudy Martinez</i>
Weather Conditions	<i>Cool and humid in the morning due to rain the previous night. Some clouds, giving way to mostly sunny skies and a light breeze by the afternoon. Warm to hot most of the day.</i>
Hours on Site Not Worked	<i>0.5</i>
Hours Not Worked Reason	<i>Lunch</i>
Monitoring Location	<i>Unit 3</i>
Work Type (Machine)	<i>D8 dozer</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	
Work Crew Foreman	<i>Tim Fulkerson</i>
Depth of Excavation (ft)	<i>2</i>
Description of Work	<i>Dozer cut roads throughout the site.</i>
Observed Native Soils (Stratigraphy)	<i>Light brown silty sand.</i>
Disturbed/Re-Deposited Soils	<i>N/A</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>None.</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>N/A</i>
Plan for tomorrow	<i>Cutting of roads to continue.</i>
Signature	

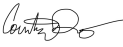
Blythe Unit 3 & 4 - Daily Cultural Log

Record: 638	
Monitor Name	Kurt Lambert
Date	2019-09-24
Time In (AM)	05:30:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Attended and signed Sukut's safety briefing presented by foreman Tim Fulkerson.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Kurt Lambert, Dudek archaeologist, mowing/road crew Courtney Davis, Dudek archaeologist, road crew Rudy Martinez, CRIT tribal monitor, mowing/road crew
Weather Conditions	Temperature was mostly clear, somewhat humid and hot with a high of 96 degrees.
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	Unit 3
Work Type (Machine)	Caterpillar 16M blade, Caterpillar D8T dozer, Caterpillar 623 scraper, roller, three water trucks
Work Crew Company	Sukut
Work Crew Operator	Varies
Work Crew Foreman	Tim Fulkerson, Sukut
Depth of Excavation (ft)	1.5
Description of Work	Today's activities included cutting and compaction of roads in Unit 3 with equipment mentioned above. This was monitored by Courtney, with Rudy and myself assisting after mowing was completed. Additional activities included the completion of mowing of the area at Den H. This was monitored by Rudy and myself. No cultural resources were observed during today's activities. CRIT tribal monitor Rudy Martinez had no issues or concerns with today's activities.
Observed Native Soils (Stratigraphy)	Light yellowish grey sand, fine to medium grained, becoming a fine grained light tan sandy silt, interspersed with areas of desert pavement.
Disturbed/Re-Deposited Soils	Light yellowish grey sand, fine to medium grained, interspersed with areas of desert pavement.
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	No cultural discoveries.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Roadwork will resume Wednesday at 5:45am.
Signature	

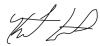
Blythe Unit 3 & 4 - Native American Monitoring Form

Record: 629	
Tribal Monitor:	<i>Rudy Martinez</i>
Date:	<i>2019-09-25</i>
Driver's Name For Shift:	<i>Rudy Martinez</i>
Vehicle Driven:	<i>Ford four door</i>
Time In:	<i>05:45:00</i>
Time Out:	<i>15:30:00</i>
Project Area(s): (Location)	<i>Unit 3</i>
Type of Work and Equipment:	<i>Blade, water truck, and mulcher</i>
Summary of Construction Activities Performed:	<i>Finished mowing then monitored road creation and development.</i>
Depth of Excavation (ft):	<i>2</i>
Signature:	

Blythe Unit 3 & 4 - Daily Cultural Log

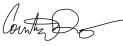
Record: 641	
Monitor Name	Courtney Davis
Date	2019-09-25
Time In (AM)	05:45:00
Time Out (PM)	15:30:00
Safety Briefings Attended/Signed	Morning meeting
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Cultural: Courtney Davis (arch - Dudek) CRIT: Rudy Martinez
Weather Conditions	Not too cool but not yet warm in the morning. Mostly sunny at first, giving way to increasing clouds throughout the day. Nearby storm and multiple nearby bolts of lightning caused work to be cut short at 3:30pm.
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Unit 3
Work Type (Machine)	D8 dozer
Work Crew Company	Sukut
Work Crew Operator	
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	2
Description of Work	Dozer cut roads throughout the site.
Observed Native Soils (Stratigraphy)	Light brown silty sand.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Cutting of roads to continue.
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 644	
Monitor Name	Kurt Lambert
Date	2019-09-25
Time In (AM)	05:30:00
Time Out (PM)	15:30:00
Safety Briefings Attended/Signed	Attended and signed Sukut's safety briefing presented by foreman Tim Fulkerson.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Kurt Lambert, Dudek archaeologist, road crew Courtney Davis, Dudek archaeologist, road crew Rudy Martinez, CRIT tribal monitor, road crew
Weather Conditions	Temperature was partly cloudy, somewhat humid and hot with a high of 91 degrees. Work was called off for the day at 3:15 pm due to approaching lightning storm to the southeast.
Hours on Site Not Worked	0
Hours Not Worked Reason	N/A
Monitoring Location	Unit 3
Work Type (Machine)	Caterpillar 16M blade, Caterpillar D8T dozer, Caterpillar 623 scraper, roller, three water trucks
Work Crew Company	Sukut
Work Crew Operator	Varies
Work Crew Foreman	Tim Fulkerson, Sukut
Depth of Excavation (ft)	1.5
Description of Work	Today's activities included cutting and compaction of roads in Unit 3 with equipment mentioned above. This was monitored by Courtney, with Rudy and myself. No cultural resources were observed during today's activities. CRIT tribal monitor Rudy Martinez had no issues or concerns with today's activities.
Observed Native Soils (Stratigraphy)	Light yellowish grey sand, fine to medium grained, becoming a fine grained light tan sandy silt, interspersed with areas of desert pavement.
Disturbed/Re-Deposited Soils	Light yellowish grey sand, fine to medium grained, interspersed with areas of desert pavement.
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	No cultural discoveries.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Roadwork will resume Thursday at 5:45am.
Signature	


Blythe Unit 3 & 4 - Daily Cultural Log

Record: 647

Monitor Name	<i>Courtney Davis</i>
Date	<i>2019-09-26</i>
Time In (AM)	<i>05:45:00</i>
Time Out (PM)	<i>15:00:00</i>
Safety Briefings Attended/Signed	<i>Morning meeting.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Cultural: Courtney Davis (arch - Dudek) CRIT: A Native American monitor was scheduled, however did not arrive.</i>
Weather Conditions	<i>Humid in the morning. Partly cloudy and some lightning in the distance, but not close enough to trigger a stand down. Ranged from partly sunny to partly cloudy for most of the rest of the day, but in the mid-afternoon, storm clouds began forming near the project site and lightning started up, causing work to be shut down at 3:00 pm.</i>
Hours on Site Not Worked	<i>0.5</i>
Hours Not Worked Reason	<i>Lunch</i>
Monitoring Location	<i>Unit 3</i>
Work Type (Machine)	<i>D8 dozer</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	
Work Crew Foreman	<i>Tim Fulkerson</i>
Depth of Excavation (ft)	<i>2</i>
Description of Work	<i>Dozer cut roads throughout the site.</i>
Observed Native Soils (Stratigraphy)	<i>Light brown silty sand.</i>
Disturbed/Re-Deposited Soils	<i>N/A</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>None.</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>N/A</i>
Plan for tomorrow	<i>Cutting of roads to continue on Monday.</i>
Signature	

Blythe Unit 3 & 4 - Paleontological Monitoring Log

Record: 56

Name	<i>Other</i>
Other	<i>David Alexander</i>
Date	<i>2019-09-26</i>
Monitoring Location	<i>Substation</i>
Safety Briefings Attended/Signed	<i>Attended Sukut tailgate/safety meeting as well as civil substation inc. tailgate /safety meeting.</i>
Other Cultural Resource Monitors Present	<i>Yes</i>
Specify Other Cultural Resource Monitors Present. Include full name, organization, etc.	<i>Dudek Archaeologist Kurt Lambert, Courtney Davis and Biologist Amy Anderson</i>
Weather Conditions	<i>Cloudy and humid</i>
Work Crew Company	<i>Civil Substation inc.</i>
Work Type (Machine)	<i>Mini excavator with 30 inch auger.</i>
Work Crew Operator	
Work Crew Foreman	<i>Rick and John</i>
Depth of Excavation (ft)	<i>10 feet below ground surface.</i>
Description of Work (in accordance with conditions of certification PAL-4 and PAL-5).	<i>Dudek paleontologist, David Alexander, monitored excavation of (5) 30 inch wide and 10 ft deep bore holes in east side of substation, Unit 3. Dry screened some spoils.</i>
Observed Native Soils (Stratigraphy)	<i>Brown to light brown poorly sorted silts and sands with angular and subangular granules and pebbles. At 7 feet, reddish brown indurated silty clay with caliche.</i>
Disturbed/Re-Deposited Soils	<i>First 3 feet are disturbed.</i>
Resources Discovered? (Type, quantity, context, etc., Temporary ID)	
Actions Taken (Halt/Resume Construction Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>Paleontological monitoring and photography.</i>
Plans for tomorrow	<i>Monitoring</i>
Do you have any issues or concerns?	<i>No</i>
Signature	

Photos

Photo:



Photo Description

*Augering in east side of Substation.
Picture looking west.*

Photos

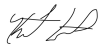
Photo:



Photo Description


*Spoils from Auger.
Picture looking east.*

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 650	
Monitor Name	<i>Kurt Lambert</i>
Date	<i>2019-09-26</i>
Time In (AM)	<i>05:30:00</i>
Time Out (PM)	<i>15:00:00</i>
Safety Briefings Attended/Signed	<i>Attended and signed Sukut's safety briefing presented by foreman Tim Fulkerson.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Kurt Lambert, Dudek archaeologist, road crew Courtney Davis, Dudek archaeologist, road crew A Native American monitor was scheduled, however did not arrive.</i>
Weather Conditions	<i>Temperature was partly cloudy, somewhat humid and hot with a high of 83 degrees. Work was called for the day at 3:00 pm due to approaching rainstorm in Blythe. A light rain began around 3:30 pm.</i>
Hours on Site Not Worked	<i>0</i>
Hours Not Worked Reason	<i>N/A</i>
Monitoring Location	<i>Unit 3</i>
Work Type (Machine)	<i>Caterpillar 16M blade, Caterpillar D8T dozer, Caterpillar 623 scraper, roller, three water trucks</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	<i>Varies</i>
Work Crew Foreman	<i>Tim Fulkerson, Sukut</i>
Depth of Excavation (ft)	<i>1.5</i>
Description of Work	<i>Today's activities included cutting and compaction of roads in Unit 3 with equipment mentioned above. This was monitored by Courtney and myself. No cultural resources were observed during today's activities. No CRIT tribal monitors were available for today's activities.</i>
Observed Native Soils (Stratigraphy)	<i>Light yellowish grey sand, fine to medium grained, becoming a fine grained light tan sandy silt, interspersed with areas of desert pavement.</i>
Disturbed/Re-Deposited Soils	<i>Light yellowish grey sand, fine to medium grained, interspersed with areas of desert pavement.</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>No cultural discoveries.</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>N/A</i>
Plan for tomorrow	<i>Roadwork will resume Monday at 5:45 am.</i>
Signature	

Blythe Unit 3 & 4 - Paleontological Monitoring Log

Record: 59

Name	<i>Other</i>
Other	<i>David Alexander</i>
Date	<i>2019-09-27</i>
Monitoring Location	<i>West side of Substation</i>
Safety Briefings Attended/Signed	<i>Attended Civil Substation Inc. tailgate /safety meeting.</i>
Other Cultural Resource Monitors Present	<i>Yes</i>
Specify Other Cultural Resource Monitors Present. Include full name, organization, etc.	<i>Dudek Biologist Kim Parsons</i>
Weather Conditions	<i>Clear sunny and warm</i>
Work Crew Company	<i>Civil Substation inc.</i>
Work Type (Machine)	<i>Mini excavator with 30 inch auger.</i>
Work Crew Operator	<i>Kevin</i>
Work Crew Foreman	<i>Rick and john</i>
Depth of Excavation (ft)	<i>10 feet below ground surface.</i>
Description of Work (in accordance with conditions of certification PAL-4 and PAL-5).	<i>Dudek paleontologist, David Alexander, monitored excavation of (5)-30 inch wide and 10 ft deep bore holes in east side of substation. Unit 3 Dry screened some spoils.</i>
Observed Native Soils (Stratigraphy)	<i>Brown to light brown poorly sorted silts and sands with angular and subangular granules and pebbles. At 6-8 feet reddish brown indurated silty clay with caliche.</i>
Disturbed/Re-Deposited Soils	<i>First 5 feet are disturbed.</i>
Resources Discovered? (Type, quantity, context, etc., Temporary ID)	
Actions Taken (Halt/Resume Construction Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>Paleontological monitoring and photography.</i>
Plans for tomorrow	<i>3 more holes on Monday.</i>
Do you have any issues or concerns?	<i>No</i>
Signature	

Photos

Photo:



Photo Description

*Spoils from auger.
Picture looking east.*

Photos

Photo:




Photo Description


Chunk of caliche from layer at 8 ft deep.

Blythe Unit 3 & 4 - Native American Monitoring Form

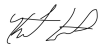
Record: 632

Tribal Monitor:	<i>Rudy Martinez</i>
Date:	<i>2019-09-30</i>
Driver's Name For Shift:	<i>Rudy Martinez</i>
Vehicle Driven:	<i>Jeep</i>
Time In:	<i>05:45:00</i>
Time Out:	<i>16:30:00</i>
Project Area(s): (Location)	<i>Unit 3</i>
Type of Work and Equipment:	<i>Blade, water truck.</i>
Summary of Construction Activities Performed:	<i>Monitored road creation and development.</i>
Depth of Excavation (ft):	<i>2</i>
Signature:	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 653	
Monitor Name	Courtney Davis
Date	2019-09-30
Time In (AM)	05:45:00
Time Out (PM)	16:30:00
Safety Briefings Attended/Signed	Morning meeting.
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	Cultural: Courtney Davis (arch - Dudek) CRIT: Lorenzo Tahbo
Weather Conditions	Cold and breezy up through mid-morning. Sunny and warm to hot after that.
Hours on Site Not Worked	0.5
Hours Not Worked Reason	Lunch
Monitoring Location	Unit 3
Work Type (Machine)	D8 dozer
Work Crew Company	Sukut
Work Crew Operator	
Work Crew Foreman	Tim Fulkerson
Depth of Excavation (ft)	2
Description of Work	Dozer cut roads throughout the site.
Observed Native Soils (Stratigraphy)	Light brown silty sand.
Disturbed/Re-Deposited Soils	N/A
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	None.
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	N/A
Plan for tomorrow	Cutting of roads to continue.
Signature	

Blythe Unit 3 & 4 - Daily Cultural Log

Record: 656	
Monitor Name	<i>Kurt Lambert</i>
Date	<i>2019-09-30</i>
Time In (AM)	<i>05:30:00</i>
Time Out (PM)	<i>16:30:00</i>
Safety Briefings Attended/Signed	<i>Attended and signed Sukut's safety briefing presented by foreman Tim Fulkerson.</i>
Cultural Resources Monitor(s) and Tribal Cultural Consultant(s) present:	<i>Kurt Lambert, Dudek archaeologist, road crew Courtney Davis, Dudek archaeologist, road crew Rudy Martinez, CRIT Tribal Cultural Consultant, road crew Lorenzo Tahbo, CRIT Tribal Cultural Consultant, road crew</i>
Weather Conditions	<i>Weather was clear and hot with a high of 86 degrees. An occasional cool breeze was noticeable throughout the day.</i>
Hours on Site Not Worked	<i>0</i>
Hours Not Worked Reason	<i>N/A</i>
Monitoring Location	<i>Unit 3</i>
Work Type (Machine)	<i>Caterpillar 16M blade, Caterpillar D8T dozer, Caterpillar 623 scraper, roller, three water trucks</i>
Work Crew Company	<i>Sukut</i>
Work Crew Operator	<i>Varies</i>
Work Crew Foreman	<i>Tim Fulkerson, Sukut</i>
Depth of Excavation (ft)	<i>1.5</i>
Description of Work	<i>Today's activities included cutting and compaction of roads in Unit 3 with equipment mentioned above. This was monitored by Courtney, Lorenzo, Rudy and myself. In addition, pile driving resumed southeast of Laydown Yard #1. No cultural resources were observed during today's activities. CRIT Tribal Cultural Consultant Rudy Martinez expressed no issues or concerns with today's activities.</i>
Observed Native Soils (Stratigraphy)	<i>Light yellowish grey sand, fine to medium grained, becoming a fine grained light tan sandy silt, interspersed with areas of desert pavement.</i>
Disturbed/Re-Deposited Soils	<i>Light yellowish grey sand, fine to medium grained, interspersed with areas of desert pavement.</i>
Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.)	<i>No cultural discoveries.</i>
Actions Taken (Halt/Resume Construction; Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>N/A</i>
Plan for tomorrow	<i>Roadwork will resume Tuesday at 5:45am.</i>
Signature	

APPENDIX D
*Paleontological Resources**

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

PAL-4: Worker Environmental Awareness Program (WEAP)

Requirement: Submit past 30 days of training records in logs.

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.

PAL-5 Construction Monitoring Program

There were no compliance issues this month.

Requirement: Submit a summary report of construction-related monitoring.

Ground disturbing activities were observed by CEC - approved Paleontological Resources Monitors (PRMs). Table 1 lists the number of PRMs onsite during the month of September.


Table 1. PRMs and TCCs onsite during September (by day)

June 2019	
Date	Number of PRMs
9/26/2019	1
9/27/2019	1
Number of resources identified - 0	

In accordance with the PRMMP, full time monitoring is required during excavations greater than five (5) feet in depth in Units 3 and 4, which occurred during drilling activities. No significant fossil resources were observed or impacted by construction activity, and no concerns regarding paleontological resources were identified during paleontological monitoring.

Blythe Unit 3 & 4 - Paleontological Monitoring Log

Record: 56

Name	<i>Other</i>
Other	<i>David Alexander</i>
Date	<i>2019-09-26</i>
Monitoring Location	<i>Sub station</i>
Safety Briefings Attended/Signed	<i>Attended Sukut tailgate/safety meeting as well as civil substation inc. tailgate /safety meeting.</i>
Other Cultural Resource Monitors Present	<i>Yes</i>
Specify Other Cultural Resource Monitors Present. Include full name, organization, etc.	<i>Dudek Archeologist Kurt Lambert, Courtney Davis and Biologist Amy Anderson</i>
Weather Conditions	<i>Cloudy and humid</i>
Work Crew Company	<i>Civil Substation inc.</i>
Work Type (Machine)	<i>Mini excavator with 30 inch auger.</i>
Work Crew Operator	
Work Crew Foreman	<i>Rick and john</i>
Depth of Excavation (ft)	<i>10 feet below ground surface.</i>
Description of Work (in accordance with conditions of certification PAL-4 and PAL-5).	<i>Dudek paleontologist, David Alexander, monitored excavation of (5)-30 inch wide and 10 ft deep bore holes in east side of substation. Unit 3 Dry screened some spoils .</i>
Observed Native Soils (Stratigraphy)	<i>Brown to light brown poorly sorted silts and sands with angular and subangular granules and pebbles. At 7 feet reddish brown indurated silty clay with caliche.</i>
Disturbed/Re-Deposited Soils	<i>First 3 feet are disturbed.</i>
Resources Discovered? (Type, quantity, context, etc., Temporary ID)	
Actions Taken (Halt/Resume Construction Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>Paleontological monitoring and photography.</i>
Plans for tomorrow	<i>monitoring</i>
Do you have any issues or concerns?	<i>No</i>
Signature	

Photos

Photo:



Photo Description

*Augering in east side of Substaion.
Picture looking west.*

Photos

Photo:




Photo Description

*Spoils from Auger.
Picture looking east*

Blythe Unit 3 & 4 - Paleontological Monitoring Log

Record: 59

Name	<i>Other</i>
Other	<i>David Alexander</i>
Date	<i>2019-09-27</i>
Monitoring Location	<i>West side of Sub station</i>
Safety Briefings Attended/Signed	<i>Attended civil substation inc. tailgate /safety meeting.</i>
Other Cultural Resource Monitors Present	<i>Yes</i>
Specify Other Cultural Resource Monitors Present. Include full name, organization, etc.	<i>Dudek Biologist Kim Parsons</i>
Weather Conditions	<i>Clear sunny and warm</i>
Work Crew Company	<i>Civil Substation inc.</i>
Work Type (Machine)	<i>Mini excavator with 30 inch auger.</i>
Work Crew Operator	<i>Kevin</i>
Work Crew Foreman	<i>Rick and john</i>
Depth of Excavation (ft)	<i>10 feet below ground surface.</i>
Description of Work (in accordance with conditions of certification PAL-4 and PAL-5).	<i>Dudek paleontologist, David Alexander, monitored excavation of (5)-30 inch wide and 10 ft deep bore holes in east side of substation. Unit 3 Dry screened some spoils .</i>
Observed Native Soils (Stratigraphy)	<i>Brown to light brown poorly sorted silts and sands with angular and subangular granules and pebbles. At 6-8 feet reddish brown indurated silty clay with caliche.</i>
Disturbed/Re-Deposited Soils	<i>First 5 feet are disturbed.</i>
Resources Discovered? (Type, quantity, context, etc., Temporary ID)	
Actions Taken (Halt/Resume Construction Identification; Recordation; Notifications; Photography; Collecting; Sampling; Recommendations)	<i>Paleontological monitoring and photography.</i>
Plans for tomorrow	<i>3 more holes on Monday.</i>
Do you have any issues or concerns?	<i>No</i>
Signature	

Photos

Photo:



Photo Description

*Spoils from auger.
Picture looking east*

Photos

Photo:



Photo Description

Chunk of caliche from layer at 8 ft deep