

## DOCKETED

<b>Docket Number:</b>	09-AFC-08C
<b>Project Title:</b>	Genesis Solar Energy Project
<b>TN #:</b>	201574
<b>Document Title:</b>	Monthly Complaine Report Number 38 - December
<b>Description:</b>	COC COMPLIANCE -6
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<b>Organization:</b>	Nextera Energy
<b>Submitter Role:</b>	Applicant
<b>Submission Date:</b>	1/20/2014 11:22:47 AM
<b>Docketed Date:</b>	1/20/2014

**Genesis Solar Energy Project  
Eastern Riverside County, California**

**Genesis Solar, LLC**

**Monthly Compliance Report #38  
December 2013**

**(COC COMPLIANCE-6)  
09-AFC-8**

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Miscellaneous Documents (Water Usage Log, Submittals, and Correspondence)

- The Genesis Solar Energy Project received authorization to construct from the California Energy Commission (CEC) on September 29, 2010 and the US Bureau of Land Management (BLM) on November 4, 2010. In accordance with the California Energy Commission's (CEC) Condition of Certification (COC) number COMPLIANCE-6, please see the following report that summarizes compliance with CEC and BLM's requirements for pre-construction and construction activities for the month of December, 2013.

During the month of December 2013, Project activities included:

- Newtron – (Unit 1) Working lighting through power block, rerouting lighting conduit and fixtures around STG area, completion of outdoor lighting, continued working off punch list. Newtron demobilized during the month of December.
- ARB demobilized during the month of December.
- PMI – (Unit 1) Start-up assembly, pressure testing, working steam turbine enclosure, grating and handrails.
- FE Moran – (Unit 1) Testing alarm and detection system.
- Petrochem – (Unit 1) Continued insulation in areas 11 and 14, and insulation of train 1 and 2.
- Sukut – (Unit 1) Placing base on roadways, placed rock under ACC.
- EPC – (Unit 1) Began installation of N60 generator protective relays, completed end to end testing, install and test the east "T" line relay settings.
- Dewatering of Unit 1 completed in December.
- HTF fill completed in December.

All questions or concerns regarding the contents of this report should be directed to Jennifer Gavaldon at: 951-634-2395 or email [Jennifer.Gavaldon@nexteraenergy.com](mailto:Jennifer.Gavaldon@nexteraenergy.com)

**Completed Compliance Activities.** During the reporting period, the following documents were submitted to the CEC CPM for review and approval.

Date	To	Condition	Subject
12/12/13	CEC	COM-06	November MCR
12/26/13	CEC	WS-3	Construction Safety Supervisor

**Required Documents Submitted With This Report.** The Final Decision sets forth specific conditions, many of which include reporting requirements that must be addressed in the project's MCR. The following paragraphs describe the compliance activities that were completed during the reporting period:

**Air Quality issues:** In accordance with Condition of Certification AQ-SC1 an authorized Air Quality Construction Mitigation Manager (AQCMM) has been assigned to this project. As per AQ-SC2 an Air Quality Construction Mitigation Plan (AQCMP) has been submitted and approved by the California Energy Commission (CEC).

#### **AQ-SC1: Air Quality Construction Mitigation Manager**

Requirement: AQ-SC1 (AQCMM): As required by the Condition of Certification, the Air Quality Construction Mitigation Manager is responsible for directing and documenting compliance with the construction-related air quality conditions of certification at the project site and linear facilities. Additional monitors will be assigned as needed to cover times when there are multiple tasks occurring simultaneously that require oversight, extended hours of construction, or when the AQCMM is unavailable.

No new applications were submitted in December 2013.

#### **AQ-SC3: Construction Fugitive Dust Control; AQCMM Monthly Reporting**

Requirement: Minimal fugitive dust was generated by construction activities due to the effectiveness of the best management practices (BMPs) dust control measures and cool weather conditions. Water trucks were used as necessary to effectively mitigate fugitive dust during the construction activities.

A copy of the water log is included in Appendix G.

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

- All workers have been instructed in fugitive dust prevention as part of their Workers Environmental Awareness Program training.
- Fugitive dust control mitigation measures continue to be a topic at contractor tailboard meetings once a week or more, depending upon weather conditions. During the month of December, no wind activity affected production or cause a slowdown of work.

- No vehicle shall exceed 10 mile 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 lay-down areas and along the access roads for the full length of the project. Dusk and dawn speed limit signs annotating the 25 mph limit continue to be a discussion with contractors to remind them of the reduction in speed during the dusk and dawn hours. 45 mph is posted during the day on the main access road from 6:15 AM to 6:30PM and 25 mph posted for the night hours, for the main access road, in the month of December.
- As per AQ-SC3 all soil piles have been treated with water and/or tackifier to reduce dust plumes during windy conditions.
- All roads have had water applied to them regularly to reduce dust plumes from moving vehicles.
- Areas where dirt roads intersect asphalt roads have had a 20' X 50' rock pad installed to reduce tracking onto the road.
- A track out, on the entrance to the public road, has been installed to reduce any track out.
- All diesel-powered equipment over 50 HP has been required to use ultra-low sulfur diesel and have been maintained in proper operating condition.
- No diesel equipment has been allowed to idle in excess of 5 minutes.

#### **AQ-SC4: Dust Plume Response Requirement**

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

As per AQ-SC4 a policy of fugitive dust monitoring has been put into place. All slowdowns or work stoppages due to air quality concerns are recorded below, along with response taken to ameliorate Air Quality concerns.

No work stoppages or delays, due to wind, occurred during the month of December.

#### **AQ-SC5: Diesel Engine Emissions - Monitoring and Reporting**

Requirement: The AQCMMD conducted an audit of all equipment on site to ensure California Air Resources Board compliance tags were properly affixed and fire extinguishers were onboard. Any deficiencies found were corrected. All diesel-powered equipment over 50 HP has been required to use ultra-low sulfur diesel and have been maintained in proper operating condition. A list of heavy equipment present on site during the month of December, are provided in Appendix A. The equipment complies with the California Tier III standards for equipment above 50 hp.

See Appendix A



**BIO-2: Designated Biologist**

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

See Appendix B.

**BIO-4: Biological Monitors**

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

See Appendix B.

**BIO-7: Biological Resource Mitigation Implementation and Monitoring Plan**

**And**

**BIO-8: Impact Avoidance and Minimization Measures**

Requirement: Submit compliance documentation for implementation of BRMIMP measures.

See Appendix B

**BIO-9: Desert Tortoise Clearance Surveys and Fencing**

Requirement: Submit compliance documentation for all survey and fencing activity.

See Appendix B

**BIO-11: Desert Tortoise Compliance Verification**

Requirement: Submit results of Monthly Compliance Inspections to CPM, BLM, USFWS, and CDFG.

See Appendix B.

**BIO-13: Monthly Raven Observation**

The monthly raven observations recorded in December are included in the DB's Monthly Report. Raven count is performed on a monthly basis.

Included in Appendix B

**BIO-15: Pre-Construction Nest Surveys and Avoidance Measures**

See Appendix B.

**BIO-17: Kit Fox Impact Avoidance, Minimization, and Compensation Measures**

Desert Kit Fox den monitoring will be performed by the DB and the BM.

See Appendix B

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

Requirement: Submit burrowing owl mitigation compliance documentation.

See Appendix B.

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

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

See Appendix B

**BIO-22: Mitigation for Impacts to State Waters**

Requirement: Submit status of work in Waters of the State.

No rain events have resulted in flow of any channel during the month of December. Erosion control devices (silt fence, straw waddles, etc) are stock piled on site and will be installed as needed

**BIO-6, CUL-7, and PAL-4: Worker Environmental Awareness Program (WEAP)**

Requirement: Submit the past Month of training records.

During December, the total number of personnel who received the Construction Worker Environmental Awareness Training was 10. The number of personnel who have received the training to date is 4249. Copies of the WEAP training sign-in sheets for the monthly reporting period are included in Appendix C.

**CUL-8: Construction Monitoring Program**

Requirement: Submit report of any noncompliance.

No NCR's issued in the month of December.

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

All other ground disturbing activities on site were observed by our resident Cultural Resources Monitor and Native American Monitors.

**CUL-13: Flag and Avoid**

Requirement: Submit compliance documentation regarding flagging inspections.

Placement of steel plates covering the Exclusion zones associated with cultural resource locations occurred on June 27, 2013. The zones have been re-flagged as necessary and are inspected regularly for integrity.

**SOIL&WATER-1: Drainage Erosion and Sedimentation Control Plan**

Requirement: Submit documentation regarding compliance with DESCP.

No issues in the month of December.

**TRANS-2: Vehicle Weight Limits**

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

No Permits were received during the month of December.

See Appendix G

**TRANS-3: Public ROW Encroachment**

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

On March 25, 2013 GSEP received an Encroachment Permit from the California Department of Transportation.

**TRANS-4: Hazmat Transport Permits/Licenses**

Requirement: Report hazardous material transport permits received.

HTF arrived onsite beginning May 13, 2013. Hazmat Transport Permits were submitted in the May MCR. No other permits received in the month of December.

**WASTE-6: Hazardous Waste Generator Identification Number**

Requirement: Submit identification number following receipt or a new number or modification of an existing number.

*GSEP EPA ID was received in MAY 2012 and submitted in the MAY 2012 MCR.*

**WORKER SAFETY-3: Construction Safety Supervisor - Staff Assignment**

Requirement: Submit compliance documentation and inspection approvals.

A new Construction Safety Supervisor resume was submitted and approved in the month of December.

There were no injuries in the month of December.

The details are included in the Safety Summary which can be found under Appendix F

Weekly bulletins are enclosed in Appendix F.

**GEN-2: PRS Facility Design Submittals to CBO and CPM**

Requirement: Include updated schedule of facility design submittals, and master drawing and master specifications.

The approved and reviewed drawings, designs and specifications are attached in Appendix D

**GEN-3: CBO Payments**

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

1 invoice in the amount of \$262,220.89 was paid to the CBO during the month of December.

**GEN-6: Special Inspector(s) - Staff Assignment**

Requirement: Submit a copy of CBO approval of the qualifications of all special inspectors.

No Special Inspectors were submitted/approved during the month of December.

See Appendix D

**GEN-7: Facility Design Discrepancy Documentation**

Requirement: Submit a copy of CBO approval of any corrective action taken to resolve a discrepancy.

No discrepancies reported for the Month of December.

**GEN-8: As-builts, CBO Notification of Completion and Compliance**

Requirement: Submit a copy of statement of work completed.

See Appendix D

**CIVIL-1: CBO Submittals- Drainage and Grading, Statement of Submittal**

Requirement: Submit a copy of CBO approval.

See Appendix D

**CIVIL-3: CBO Inspection of 2007 CBC Compliance**

Requirement: Submit list of non-conformance reports (NCR).

None received in the month of December.

See Appendix D

**CIVIL-4: Final Grading Plans - CBO Submittal**

Requirement: Submit a copy of CBO approval of grading plans.

See Appendix D

**STRUC- 1: CBO Submittals - Major Structure or Facility Design Component, Statement of Submittal**

Requirement: Submit a copy of a statement from CBO that structural plans, specifications, and calculations have been approved and comply with engineering LORS.

See Appendix D

**STRUC-3: CBO Submittal - Design Changes, Revised Drawings, Specifications, Calculations**

Requirement: Submit notification that the CBO has approved the revised plans.

See Appendix D

**STRUC-4: 2007 CBC Compliance for Toxic or Hazardous Materials**

Requirement: Submit copies of the CBO approvals of plan checks.

See Appendix D

**MECH-1: CBO Submittal - Plan Piping and Plumbing System, Final Design Specifications and Calculations**

Requirement: Submit a copy of transmittal letter to CBO.

See Appendix D

**MECH-2: CBO and Cal-OSHA Submittal - Pressure Vessel**

Requirement: Submit a copy of CBO inspection approvals.

See Appendix D

**ELEC-1: CBO Submittal - Electrical Equipment and Systems**

Requirement: Submit:

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.

See Appendix D

**PAL-5: PRS Monitoring and Stop Work Authority**

Requirement: Submit a summary of paleontological monitoring activities and finds.

Disturbance activities did not require Paleo monitoring during December.

**TSE-1: CBO and CPM Submittal - Schedule of Design Submittals**

Requirement: Submit schedule updates.

See Appendix D

**TSE-4: CBO Submittal – Power Plant Switchyard, Outlet Line and Termination Design Plans**

Requirement: Submit a copy of the transmittal letter of final design plans.

See Appendix D

Requirement: Include 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.

See Appendix D

**COMPLIANCE-5 - Compliance Matrix**

Requirement: Submit a compliance matrix along with each monthly report.

The Compliance Matrix is enclosed

**COMPLIANCE-6 – Monthly Compliance Report**

Requirement: Provide: a listing of any filings submitted to, or permits issued by, other governmental agencies during the month.

No filings during the month of December.

See Appendix G

**COMPLIANCE-13 – Post Certification Amendments**

No Amendments submitted/approved for the month of December.

## **Compliance Matrix**

## Master Matrix

	Items to be turned Over
	Completed-Agency Approved
	Waiting on Approval from Agency
	Submittals in Progress
	Compliance Reporting Ops and Construction
	In Progress-Construction

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
11	CEC			x	AQ-SC6	Fleet Plan for operations vehicles	Update Fleet Plan every other year. Submit the Fleet Plan with Annual Report.	Operations	Bi-Annually		
18	CEC			x	AQ-1	Equipment Operation, Application Requirements - NG boilers	Operate NG boilers in compliance with all data and specifications submitted with application.	Operations	Ongoing		
19	CEC			x	AQ-2	Equipment fuel Use, Manufacturer Specifications - NG boilers	Fuel equipment only with NG. Operate and maintain in accordance with manufacturer recommendations.	Operations	Ongoing		
20	CEC			x	AQ-3	Emissions limits, reporting - NG boilers	Emissions shall not exceed the following hourly emission limits (see full text)	Operations	Ongoing		
21	CEC			x	AQ-3	Emissions limits, reporting - NG boilers	Submit emissions compliance documentation in Annual Compliance Report.	Operations	Annually		
22	CEC			x	AQ-4	Maintenance and Operations Log - NG boilers	Maintain an operations log on-site and current for a minimum of five (5) years.	Operations	Ongoing, 5 yrs		
23	CEC			x	AQ-4	Maintenance and Operations Log - NG boilers	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing		
26	CEC			x	AQ-7	Annual MDAQMD Compliance Test - NG boilers	Perform annual MDAQMD compliance tests.	Operations	Annually		
27	CEC			x	AQ-7	Annual MDAQMD Compliance Test - NG boilers	Submit results report to the District no later than six weeks prior to the expiration date of this permit.	Operations	< 6w pt expiration of permit		
28	CEC			x	AQ-9	HTF Ullage/Exp. Tanks - HTF storage	Ullage tanks - This system shall store only HTF.	Operations	Ongoing		
29	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Monitor VOC output, sample weekly. Calibrate FID on day of use. Maintain log of weekly sampling results and keep log onsite. Provide sampling log to District upon request.	Operations	Weekly		
30	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Operate ullage tanks system with the carbon adsorption system. [VOC and Benzene emissions cap, see full text]	Operations	Ongoing		
31	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Submit compliance documentation in Annual Compliance Report.	Operations	Annually		
32	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Submit a yearly summary report of all VOC emissions.	Operations	Jan-31 Annually		
34	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Submit initial test results within 180 days after startup.	Operations	< 180d after initial start up		
37	CEC			x	AQ-12	HTF Ullage/Exp. Tanks - Inspection, Maintenance and Monitoring Plan	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing		
39	CEC			x	AQ-12	HTF Ullage/Exp. Tanks - Inspection, Maintenance and Monitoring Plan	Submit volume of HTF removed and added in Annual Report.	Operations	Annually		
44	CEC			x	AQ-14	HTF Ullage/Exp. Tanks - Initial MDAQMD Compliance Testing and Reporting	Perform initial compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual. Submit test report.	Operations	< 180d after initial start up		
45	CEC			x	AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing		
46	CEC			x	AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Perform annual compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual.	Operations	Annually		
47	CEC			x	AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Submit test results and report to the District no later than six weeks prior to the expiration date of this permit.	Operations	< 6w pt expiration of permit		
48	CEC			x	AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Retain all annual test records for 5 yrs.	Operations	Ongoing, 5 yrs		
49	CEC			x	AQ-16	HTF Ullage/Exp. Tanks - Emission rate caps	Include Ullage/tank emission rate caps compliance documentation in Annual Report.	Operations	Annually		
50	CEC			x	AQ-16	HTF Ullage/Exp. Tanks - Emission rate caps	Maintain emission rates below specified volumes.	Operations	Ongoing		
51	CEC		x	x	AQ-17	HTF Ullage/Exp. Tanks - Regulated Substances	Submit a Compliance Plan of the toxic or hazardous substances if current non-criteria substances in the HTF become regulated as toxic or hazardous substances.	Operations	Ongoing		
52	CEC			x	AQ-18	Equipment Operation, Application Requirements - Cooling Towers	Operate cooling towers in compliance with all data and specifications submitted in application.	Operations	Ongoing		
53	CEC			x	AQ-19	Equipment Operation Manufacturer Specifications - Cooling Towers	Operate cooling towers in compliance with all manufacturer specifications.	Operations	Ongoing		
54	CEC			x	AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Comply with drift rate emissions cap (see full text).	Operations	Ongoing		



**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
56	CEC			x	AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Submit compliance documentation on operating emission rates with Annual Report.	Operations	Annually		
56B	CEC			x	AQ-21	Drift Eliminator Monitoring and Reporting - Cooling Towers	Perform weekly conductivity tests of the blow down water. Provide to the District, ARB and the CEC	Operations	Weekly		
58	CEC			x	AQ-23	Operating Time Restrictions - Cooling Towers	Submit compliance documentation with Annual Report.	Operations	Annually		
59	CEC			x	AQ-23	Operating Time Restrictions - Cooling Towers	Do not operated for more than 3,200 hours per rolling twelve month period and more than 15 hours per calendar day.	Operations	Ongoing		
60	CEC			x	AQ-24	Maintenance and Operation Log - Cooling Tower	Maintain operations log onsite for 5 years.	Operations	Ongoing		
61	CEC			x	AQ-24	Maintenance and Operation Log - Cooling Tower	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	Operations	Ongoing		
62	CEC			x	AQ-25	Drift Eliminator Maintenance Procedures	Make available compliance documentation for inspection by representatives of the District, ARB, and the Energy Commission	Operations	Ongoing		
63	CEC			x	AQ-26	Equipment Operation Manufacturer Specifications - 341HP generators	Operate generators in compliance with all manufacturer specifications.	Operations	Ongoing		
64	CEC			x	AQ-27	Fuel Restrictions - 341 HP generators	Use only ultra-low sulfur diesel fuel. Retain fuel purchase records.	Operations	Ongoing		
66	CEC			x	AQ-29	Operating Time Restrictions - 341 HP generators	Use limited to emergency power. Operate no more than 50hr/yr for testing and maintenance.	Operations	Ongoing		
67	CEC			x	AQ-30	Operations and Maintenance log - 341 HP generators	Maintain a operations log for a minimum of two years.	Operations	Ongoing 2 yrs after start of operations		
68	CEC			x	AQ-30	Operations and Maintenance log - 341 HP generators	Make records available to the District for three years.	Operations	Ongoing 3 yrs after start of operations		
69	CEC			x	AQ-30	Operations and Maintenance log - 341 HP generators	Submit compliance documentation in Annual Report.	Operations	Annually		
70	CEC			x	AQ-30	Operations and Maintenance log - 341 HP generators	Make site and records available for inspection by representatives of the District, ARB, and the Energy Commission.	Operations	Ongoing		
71	CEC			x	AQ-31	Voluntary Power Outage Use - 341 HP generators	Do not use generators during a voluntary power outage or reduction.	Operations	Ongoing		
72	CEC			x	AQ-32	Involuntary Power Outage Use - 341 HP generators	Operate generators <30 minutes pt ordered outage. Shut down immediately after advised that the outage is no longer imminent or in effect.	Operations	Ongoing		
73	CEC			x	AQ-33	ATCM Compliance - 341 HP generators	Operate and maintain equipment in accordance with ATCM for Stationary Compression Ignition Engines.	Operations	Ongoing		
75	CEC			x	AQ-34	NSPS Compliance -341 HP generators	Operate and maintain equipment in compliance with requirements of the NSPS for Stationary Compression Ignition Internal Combustion Engines.	Operations	Ongoing		
76	CEC			x	AQ-35	Equipment Specification Compliance - 315 HP fire pump engines	Install, operate and maintain equipment in accordance with manufacture recommendations and with all data and specifications submitted with permit application.	Operations	Site Available		
77	CEC			x	AQ-36	Fuel Restrictions - 315 HP fire pump engines	Use only ultra-low sulfur diesel fuel for equipment.	Operations	Ongoing		
79	CEC			x	AQ-38	Operating time restrictions - 315 HP fire pump engines	Limit use for emergency power. Operate < 50hrs/yr for testing.	Operations	Ongoing		
80	CEC			x	AQ-39	Operations and Maintenance log - 315 HP fire pump engines	Maintain an operations log for this unit current and on-site, for three years.	Operations	3 yrs after start of operations		
81	CEC			x	AQ-39	Operations and Maintenance log - 315 HP fire pump engines	Submit compliance documentation in Annual Report.	Operations	Annually		
82	CEC			x	AQ-40	ATCM Compliance - 315 HP fire pump engines	Operate and maintain equipment in accordance with ATCM for Stationary Compression Ignition Engines.	Operations	Ongoing		
83	CEC			x	AQ-41	NSPS Compliance - 315 HP fire pump engines	Operate and maintain equipment in compliance with requirements of the NSPS for Stationary Compression Ignition Internal Combustion Engines.	Operations	Ongoing		
86	CEC			x	AQ-43	Gas tank and pump - inspection and maintenance records	Maintain an inspection, repair and maintenance log onsite for at least two years.	Operations	2 yrs after start of operations		
88	CEC		x	x	AQ-44	Gas tank and pump - piping or vapor recovery modifications	Submit any modification to the piping or control fitting of the vapor recovery system for review and approval.	Operations	Ongoing		
89	CEC		x	x	AQ-45	Gas tank and pump - Vapor vent piping	Equip the vapor vent pipes with Husky 5885 pressure relief valves or as otherwise allowed by EO.	Operations	Ongoing		
90	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Perform pressure, leak and liquid removal tests annually. Document test data on a Form similar to EO VR-401-A Form 1	Operations	< 60d after construction completion		
93	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Make test results available to CPM upon request.	Operations	Ongoing		
95	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Submit passing test reports to District.	Operations	< 6w pt expiration of permit		
96	CEC		x	x	AQ-47	Gas tank and pump - aboveground tank and vapor recovery system compliance	Install and maintain aboveground storage tank and vapor recovery system in compliance with California Health and Safety Code.	Operations	Ongoing		
97	CEC			x	AQ-48	Gas tank and pumps - certified technician	Maintenance and repair of system components shall be performed by OPW Certified Technicians.	Operations	Ongoing		
98	CEC			x	AQ-49	Gas tank and pumps - maintenance intervals	Maintenance Intervals shall be conducted by an OPW trained technician annually.	Operations	Annually		

**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
100	CEC			x	AQ-51	Gas tank and pumps - EVR phase I and II	Maintain, and operate EVR Phase I in compliance with CARB Executive Order VR-401-A, and Phase II vapor recovery in accordance with G-70-116-F.	Operations	Ongoing		
114	CEC			x	BIO-6	Worker Environmental Awareness Program (WEAP)	Conduct training annually for perm. Employees and within one week of arrival for new staff.	Operations	Annually		
116	CEC		x	x	BIO-6	Worker Environmental Awareness Program (WEAP)	Conduct WEAP training to all onsite personnel within one week of arrival. Employees must sign a completion form and display a hardhat sticker. Keep all training forms on site.	Operations for Unit 2 provide Gavaldon with monthly training roster for the MCR until 3/31/14. Gavaldon for Unit 1 construction until 3/2014. Then Ops will assume full responsibility 4/2014	Ongoing		
118	CEC			x	BIO-6	Worker Environmental Awareness Program (WEAP)	Keep signed training forms on site for >6m after start of operations and 6m after staff dismissal.	Operations	> 6m Operations		
357	CEC		x	x	HAZ-1	Hazardous Materials list of approved substances	Do not use hazmats not listed, or in quantities listed in App A.	Gavaldon Annual Report 2013, then Ops Annual Report 2014	Ongoing		
358	CEC			x	HAZ-1	Hazardous Materials list of approved substances	Submit a list of haz mats contained at the facility in the Annual Compliance Report.	Gavaldon Annual Report 2013, then Ops Annual Report 2014	Annually		
364	CEC			x	HAZ-6	Operations Site Security Plan	Submit statement confirming all employee background checks are complete and appended to Security Plan as part of the Annual Compliance Report.	Operations	Annually		
366	CEC			x	HAZ-6	Operations Site Security Plan	Submit verification Security Plan includes all current hazmat transport vendor certifications as part of the Annual Compliance Report.	Operations	Annually		
413	CEC		x		Soil & Water-5	Construction and Operation Water Use	Submit a semi-annual report of construction water use.	Operations for Unit 2 provide Gavaldon with daily meter number for the MCR until 3/31/14. Gavaldon for Unit 1 until 3/2014. Then Ops will assume full responsibility 4/2014	semi-annually		Daily number of DCS for MCR
428	CEC			x	Soil & Water-12	Non-Transient Non-Community Water System	Designate a CA Cert'd Water Treatment Plant Operator as well as the technical, managerial and financial requirements as prescribed by State law.	Operations			
511	CEC			x	WASTE-9	Operation Waste Management Plan	Update Operations Waste Management Plan as necessary.	Operations	Ongoing		
512	CEC			x	WASTE-10	HTF Contaminated Soil Hazard assessment	Document all HTF releases. If > 42 gallons, notify agencies and provide analysis of results in accordance with WASTE-10.	Operations	< 28d of release date		
512	CEC		x	x	WASTE-11	HAZMAT Waste Release/Spill Documentation and Corrective Actions	Submit release/spill documentation. If the release was reported, include agency communication.	Operations for Unit 2- Gavaldon for Unit 1 until 3/2014. Then Ops 4/2014	< 30d of release date		
514	CEC		x	x	WASTE-11	HAZMAT Waste Release/Spill Documentation and Corrective Actions	Document, clean up, and dispose of hazmat released > EPA's reportable quantities in accordance with federal, state, and local requirements.	Operations for Unit 2- Gavaldon for Unit 1 until 3/2014. Then Ops 4/2014	Ongoing		
421A	CEC			x	Soil & Water-7	Septic System and Leach Field Reqs	Comply with County and State reqs for sanitary waste disposal facilities.	Operations	Ongoing		
103	CEC			x	BIO-2	Designated Biologist - responsibilities	Des Bio to submit bio compliance documentation through operations, unless approved by the CPM.	German - Gavaldon Annual Report 2013, then Ops Annual Report 2014	Annually		
105	CEC			x	BIO-2	Designated Biologist - responsibilities	Submit BRMIMP compliance summary reports in Annual Compliance Report.	German - Gavaldon Annual Report 2013, then Ops Annual Report 2014	Ongoing		

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#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
105	CEC		x		BIO-2	Designated Biologist - responsibilities	Des Bio Const: Advise Construction and Operation Managers on bio resources and COCs; Train Bio Monitors on BRMIMP, WEAP and USFWS guidelines for tortoise. Oversee monitoring for sensitive bio resources Inspect areas of active construction at beginning and end of day for trapped animals. Inspect areas of high traffic activity for animals in harm's way; Notify Owner and CPM of any NCRs Communicate directly with CDFG, USFWS, and CEC, responding to inquiries Submit BRMIMP compliance summary reports in Monthly Compliance Report. Submit BRMIMP compliance summary reports in Annual Compliance Report.	German - Gavaldon Annual Report 2013, then Ops Annual Report 2014	Ongoing		
530	CEC			x	Worker Safety-7	Riv Co Fire Department, Capital and Operating Costs Funding	Provide letter of credit in the amount of \$375,000 to RCFD annually.	NextEra	Annually at the start of operations		
534	CEC			x	Worker Safety-9	Riv Co Fire Dept Joint Training Exercises	Host the annual training on a rotating yearly basis with the other solar power plants.	Operations	Rotate annually		
604	CEC		x	x	ELEC-1	CBO Submittal - Electrical Equipment and Systems	Retain approved final plant design plans and calculations onsite for the life of the project.	Operations			
635	CEC			x	TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Retain all plans, including changes, on site for one year after completion of construction.	Operations	1yr after construction completion		
262	CEC		x	x	BIO-22	Mitigation for Impacts to State Waters	Drainage BMPs: Minimize road building, construction activities and vegetation clearing within ephemeral drainages to the extent feasible. Do 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. Comply with all litter and pollution laws. Locate spoil sites 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. Prevent hazMat from contaminating the soil and/or entering waters of the state. Do not place any material of any kind (including soil) into or capable of going into waters of the state. Remove excess material after operations is complete. Do not perform equipment maintenance within 150ft of a drainage.	Genesis Project management/ECM	Ongoing		
649	CEC	x	x	x	COMPLIANCE-5	Compliance Matrix	Submit a compliance matrix with each monthly and annual compliance report	Gavaldon until 3/2014, then Ops 4/2014	MCR	7-Dec-10	
16	CEC	x	x	x	AQ-SC8	Air permit submittals	Submit all modified or revised ATC/PTO documents and all federal air permits.	Gavaldon until 3/2014, then Ops 4/2014	< 15d of receipt	02/11/13 renewed	
108	CEC			x	BIO-4	Biological Monitors - responsibilities	Employ a Bio Mon during operations if any action could affect a sensitive bio resource.	Gavaldon until 3/2014, then Ops 4/2014	Ongoing		
256	CEC		x	x	BIO-22	Mitigation for Impacts to State Waters	Provide a copy of Condition of Certification BIO-22 to all on-site personnel (detailing Stop Work Authorities).	Operations for Unit 2- Gavaldon for Unit 1 Construction until 3/2014. Then Ops 4/2014	Ongoing, part of the WEAP training		
258	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Include a discussion of work in waters of the state in Annual Compliance Reports.	Gavaldon Annual Report 2013, then Ops Annual Report 2014	Annually		
259	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Submit a final accounting of disturbance to jurisdictional waters during construction.	AECOM	< 90d after start of operation		
264	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Submit a report of monitoring and management of compensation lands.	NA	Jan-31 Annually		N/A funding in lieu of mitigation lands
266	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Include a copy of the notifying change of conditions report in the annual reports.	Gavaldon Annual Report 2013, then Ops Annual Report 2014	Annually		
269	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Include a copy of the notifying change of conditions report in the annual reports.	Gavaldon Annual Report 2013, then Ops Annual Report 2014	Annually		
372	CEC		x	x	NOISE-2	Noise Complaint Process	Document, investigate, evaluate, and attempt to resolve all project-related noise complaints.	Gavaldon until 3/2014, then Ops 4/2014	Ongoing		
373	CEC		x	x	NOISE-2	Noise Complaint Process	Contact individual making complaint.	Gavaldon until 3/2014, then Ops 4/2014	< 24hr of receipt		

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374	CEC		x	x	NOISE-2	Noise Complaint Process	Submit the Noise Complaint Resolution Form.	Gavaldon until 3/2014, then Ops 4/2014	< 5d of receipt		
375	CEC		x	x	NOISE-3	Noise Control Program	Make the Program available to OSHA upon request.	Gavaldon until 3/2014, then Ops 4/2014	Ongoing		
378	CEC			x	NOISE-4	Occupational Noise Survey	Make the report available to OSHA and Cal/OSHA upon request.	Gavaldon until 3/2014, then Ops 4/2014	Ongoing		
379	CEC			x	NOISE-4	Occupational Noise Survey	Submit report of survey findings.	Gavaldon until 3/2014, then Ops 4/2014	< 30d after test		
395	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If GW levels are lowered and pumps exposed, reimburse well owner to lower pumps. If pumps cannot be lowered, deepen the well(s) or construct new ones.	Gavaldon until 3/2014, then Ops 4/2014	Ongoing		
396	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Collect water level measurements semi-annually after the first year.	Gavaldon until 3/2014, then Ops 4/2014	semi-annually after first yr of monitoring		
397	CEC	x	x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit monitoring reports, complaints, studies and data.	Gavaldon until 3/2014, then Ops 4/2014	< 10d of receipt		
414	CEC		x	x	Soil & Water-5	Construction and Operation Water Use	Submit an annual report of water usage (g/month and total).	Gavaldon until 3/2014, then Ops 4/2014	Annually		
643	CEC		x	x	TSE-8	Code Compliance	In case of non-conformance of Tline construction or operation, notify CPM and CBO and describe the corrective actions to be taken.	Operations	< 10d upon discovery		
643	CEC		x	x	TSE-8	Code Compliance	Inspect transmission line to ensure conformance with applicable codes and standards.	Operations	Ongoing		
383	CEC		x	x	Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Update and maintain the DESCP for the life of the Project.	Gavaldon until 3/2014, then Ops 4/2014	Ongoing		
92	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Perform pressure, leak and liquid removal tests within 60 days of construction completion. Document test data on a Form similar to EO VR-401-A Form 1	Operations	Annually		
170	CEC			x	BIO-14	Weed Management Plan	Submit a status report of Weed Management Plan implementation.	Alice Karl-Operations	< 30d after start of operation		
172	CEC			x	BIO-14	Weed Management Plan	Submit a status report of Weed Management Plan implementation in Jan 31 report during operation.	Alice Karl-Operations	Jan-31 Annually		
173	CEC			x	BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Submit summary report of nest buffer zones in Jan 31 report during operations.	German	Jan-31 Annually		
238	CEC			x	BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Submit final accounting of MFTL habitat disturbed during construction within 90d of construction completion.	AECOM	< 90d after start of operation		
245	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Submit quarterly reports to agencies for first year of operation. Thereafter, submit reports annually.	AECOM	quarterly		
246	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	If after 12 quarterly inspections there are no entanglements, continue biannually (spring, fall).	AECOM 12 quarterly inspections. with approval from agencies then Compliance Manager (Read COC BIO-21 Sub 4)	biannually		
247	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Submit annual reports no later than January 31 of each year.	AECOM	Jan-31 Annually		
271	CEC			x	BIO-23	Decommissioning and Closure Plan	Revise and submit Decommissioning and Closure Plan every 5yrs during operations.	Operations	every 5yrs		
274	CEC		x	x	BIO-24	Revegetation of Temporarily Disturbed Areas	Submit status report of Reveg Plan yearly.	Alice Karl	Jan-31 Annually		
277	CEC			x	BIO-24	Revegetation of Temporarily Disturbed Areas	Provide compliance documentation and status of completion of the Reveg Plan.	Alice Karl	< 30d after construction completion		
386	CEC		x		Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Collect water from wells, seeps and springs quarterly and at the end of the construction. Submit report on water samples, including all calculations and assumptions quarterly.	Worley Parsons	< 30d following quarter end		
387	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit documentation of monetary compensation to well owners.	NextEra	< 30d of payment		
388	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If GW levels are lowered >5ft due to Project pumping, provide compensation or mitigation to well owners.	NextEra	Ongoing		
389	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Monitor quarterly operational parameters (i.e., pumping rate) of the water supply wells.	Worley Parsons	quarterly		
390	CEC			x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit a 5 year monitoring report.	Operations	5ys after start of operation		
392	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Fourth quarterly report serves as annual report. Include trend analysis. Determine where pumping has caused drawdown >5ft below baseline.	Worley Parsons	Jan-31 Annually		
393	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If required, compensate landowners by March 31.	NextEra	Mar-31 Annually		
405	CEC		x	x	Soil & Water-3	Groundwater Well Impact Compensation	Provide compensation by March 31 of each year. (one time for lump sum payments).	NextEra	Mar-31 Annually		
406	CEC		x	x	Soil & Water-3	Groundwater Well Impact Compensation	Submit a report of compensation provided for increased energy costs.	NextEra	< 30d of payment		

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407	CEC		x	x	Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit to CPM two copies of all operational reports required by the County of Riverside and any changes to operations of well.	Operations	Ongoing		
419	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit annual waste discharge permit fee associated with this facility to the Water Boards	Worley Parsons			
472	CEC			x	TLSN-3	Combustible Material Inspections	Submit summary of inspection results and fire prevention activities in the Annual Compliance Report for the first 5 years of operation.	Operations	5yrs Annually		
508	CEC			x	WASTE-9	Operation Waste Management Plan	Submit actual volume of waste generated and management methods used in each Annual Compliance Report.	Operations	Annually		
651	CEC			x	COMPLIANCE-7	Annual Compliance Reports	Submit Annual Compliance Reports instead of Monthly Compliance Reports.	Operations	Annually		
361	CEC		x	x	HAZ-3	Safety Management Plan for Hazardous Material	Implement Safety Management Plan.	Operations	Ongoing		
532	CEC			x	Worker Safety-9	Riv Co Fire Dept Joint Training Exercises	Include joint exercise training documentation with the RCFD and other solar plants in the annual compliance report.	Operations	Annually		
429	CEC			x	Soil & Water-12	Non-Transient Non-Community Water System	Submit updates annually for all monitoring requirements and submittals to County related to the permit, and proof of annual renewal of the operating permit.	Operations	Annually		
163	CEC			x	BIO-13	Raven Management Plan	Submit a status report of the Raven Management Plan implementation.	German	< 30d after start of operation		
167	CEC			x	BIO-13	Raven Management Plan	Include the status of the Raven Management Plan implementation in Jan 31 report during operations.	AECOM	Jan-31 Annually		
182	CEC			x	BIO-16	Avian Protection Plan.	Continue quarterly and annual reporting on APP until agencies determine not necessary.	AECOM	Ongoing, Quarterly and annually		
183	CEC			x	BIO-16	Avian Protection Plan.	Submit report of study design and results after two years of data collection.	AECOM	< 3yr after start of operation		
184	CEC			x	BIO-16	Avian Protection Plan.	Submit quarterly monitoring reports of APP status. Follow up with an annual report (Jan 31).	AECOM	Jan-31 Annually		
188	CEC			x	BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit results of monitoring and management of compensation lands.	AECOM	Jan-31 Annually for first 5yrs of operations		
382	CEC			x	Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit results of monitoring and maintenance activities in Annual Compliance Report.	Operations	Annually		
416	CEC			x	Soil & Water-5	Construction and Operation Water Use	GW use during operations must not exceed 202 afy	Operations	Ongoing		
433	CEC			x	Soil & Water-13	Channel Maintenance Program	Submit a Channel Maintenance Program Annual Report, Channel Maintenance Work Plan, and Lessons Learned with the Annual Compliance Report.	Operations	Annually		
439	CEC			x	Soil & Water-16	Groundwater Production Monitoring	File an annual "Notice of Extraction and Diversion of Water" with the SWRCB. Include a copy of the Notice in the Annual Compliance Report.	Gavaldon Annual Report 2013, then Ops Annual Report 2014	Annually		
460	CEC			x	TRANS-4	Hazmat Transport Permits/Licenses	Retain copies of hazardous material transport permits onsite for inspection.	Operations	> 6m after start of operation		
471	CEC			x	TLSN-2	Pre- and Post- Energization Measurements	Measure strengths of EMF after energization according to (ANSI/IEEE) standard procedures < 6months of start of operations.	Operations	< 60d of test		
478	CEC			x	VIS-1	Surface Treatment of Non-Mirror Project Structures and Buildings	Include a status report regarding surface maintenance in the Annual Compliance Report.	Operations	Annually		
654	CEC			x	COMPLIANCE-10	Planned Facility Closures	Submit a closure plan to the CPM.	Operations	> 12m pt closure		
1	CEC	x			AQ-SC1	Air Quality Construction Mitigation Manager (AQCOMM) - staff assignment	Assign Air Quality Construction Mitigation Manager	ECM	> 30d pt gd	11/16/2010 1/13/11	Approved 12/2/2010
2	CEC		x		AQ-SC1	Air Quality Construction Mitigation Manager (AQCOMM) - staff assignment	AQCMM remain onsite to monitor construction activities	ECM	Ongoing		Approved 12/2/10
3	CEC	x			AQ-SC2	Air Quality Construction Mitigation Plan (AQCMP)	Prepare Air Quality Construction Mitigation Plan (AQCMP)	ECM	> 30d pt gd	23-Nov-10	Approved 12/2/2010
13	CEC		x		AQ-SC7	Dust Control Plan - Construction	Submit Operations Dust Control Plan.	Operations	> 30d pt operation		CEC Approved 11/01/10
17	CEC	x	x	x	AQ-SC8	Air permit submittals	Submit copies of District issued Authority to Construct & Permit to Operate Documents.	Fluor	< 5d from date of submittal or receipt	12-Dec-10	Approved 1/17/11
33	CEC		x		AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Submit a monitoring and change-out plan for the system.	McCord	pt initial start up		CEC Approval
35	CEC		x		AQ-11	HTF Ullage/Exp. Tanks - Inspection, Maintenance and Monitoring Plan	Submit an HTF Ullage/Exp. Tanks vent release Inspection, Maintenance and Monitoring Plan.	Operations	> 30d pt taking delivery of the HTF	submitted to the CEC on 5/08/13	Approved by the CEC on 5/30/13
36	CEC		x		AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Establish an HTF Piping and Exp Tank Inspection and Maintenance Program. Provide documentation to District staff upon request.	Operations	> 30d pt taking delivery of the HTF	04/11/13 to the CEC # 2013-022	MDAQMD approval on 5/29/13 and CEC approval on 5/30/13

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38	CEC		x		AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Submit to CPM an HTF Ullage/Exp. Tanks - Inspection, Maintenance and Monitoring Plan for review.	Operations	> 30d pt taking delivery of the HTF	04/11/13 to the CEC # 2013-022	MDAQMD approval on 5/29/13 and CEC approval on 5/30/13
41A	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Notify <b>District</b> and <b>CPM</b> prior to testing. <b>UNIT 2</b>	Operations	10d prior to test	Notified MDAQMD and CEC of Vent test on 09/04/13 for Unit 2	Notified MDAQMD and CEC of Vent test on 09/04/13 for Unit 2
42	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Provide a written test plan for District for approval and the <b>CPM</b> for review.	Operations	30d prior to test	Submitted to the CEC and AQMD on 6/21/13	Approved by the CEC on 7/29/13. Approved by MDAQMD on 8/05/13
57	CEC		x		AQ-22	Water Testing Protocol - Cooling Tower	Submit a test and emissions calculation protocol.	McCord	> 30d pt testing		Approved by CEC 8/21/13
65	CEC		x		AQ-28	Elapsed Operating Time Meter - 1341 HP generators	Install a non-resettable hour meter on the unit to indicate elapsed engine operating time. Submit to District and CPM the specifications of the hour meter.	McCord	> 30d pt installation	1-Mar-12	Approved by the MDAQMD. CEC Approval on 6/03/13
74	CEC		x		AQ-34	NSPS Compliance -341 HP generators	Submit the engine specifications regarding NSPS and ARB ATCM emission limit requirements.	Fluor	> 30d pt purchase	Submitted approval from the MDAQMD to the CEC on 6/04/13 CL# 2013-031	Approved by the CEC on 7/26/13
78	CEC		x		AQ-37	Elapsed Operating Time Meter - 315 HP fire pump engines	Install a non-resettable hour meter on this unit to indicate elapsed engine operating time. Provide the District and the CPM the specification of the hour timer.	McCord	> 30d pt installation	1-Mar-12	Approved by the MDAQMD. CEC Approval on 6/03/13
84	CEC		x		AQ-41	NSPS Compliance - 315 HP fire pump engines	Submit the engine specifications demonstrating compliance with NSPS and ARB ATCM emission limit requirements.	Fluor	> 30d pt purchase	Submitted approval from the MDAQMD to the CEC on 6/04/13 CL# 2013-031	Approved by the CEC on 7/25/13
85	CEC		x	x	AQ-42	Gas tank and pump - toll free number	Post the required toll-free number on the equipment.	Gavaldon	Ongoing	submitted photo to the CEC on 6/4/13	Approved by the CEC on 7/31/13
94	CEC		x		AQ-46	Gas tank and pump - initial and annual testing	Notify District pt testing. (initial and annual)	Gavaldon	> 10d prior to test	Notified and submitted Test Notification form to the MDAQMD on 7/3/13 via email	Approved by CEC 8/21/13
101	CEC	x			BIO-1	Designated Biologist - staff assignment	Assign Designated Biologist	AECOM	> 30d pt gd	9/27/2010 2/18/11	Approved /German
104	CEC	x	x		BIO-2	Designated Biologist - responsibilities	Des Bio Pre-con: Consult on the preparation of the BRMIMP; Oversee survey efforts for sensitive bio resources; Mark sensitive biological resource areas and inspect regularly;	AECOM		n/a	No Documentation/ DB German responsibility
106	CEC	x			BIO-3	Biological Monitors - Staff assignment	Assign Bio Monitors and submit training verification	AECOM	> 30d pt gd	10-Dec-10	Approved (various dates)
109	CEC		x		BIO-4	Biological Monitors - responsibilities	Assist with surveys and in monitoring of site mobilization activities.	Guigliano	pt construction		No documentation- All monitors approved on various dates
113	CEC	x			BIO-6	Worker Environmental Awareness Program (WEAP)	Prepare and Submit WEAP (including trainer resume)	AECOM/Thomas	> 30d pt gd	3-Dec-10	Approved 1/12/11
117	CEC	x			BIO-6	Worker Environmental Awareness Program (WEAP)	Submit Final WEAP.	Tetra Tech	> 10d pt gd	1/4/2011 1/14/11	Approved 1/14/11
120	CEC	x			BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit Draft BRMIMP	Tetra Tech	> 30d pt site mobilization	23-Nov-10	comments received 12/21/10
126	CEC	x			BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit final BRMIMP.	Tetra Tech	> 7d pt gd	1/5/2011 1/11/11	Approved 1/12/11

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128	CEC	x	x		BIO-8	Impact Avoidance and Minimization Measures	If an active bird nest is detected, submit Nesting Bird Monitoring and Management Plan	Tetra Tech	< 7d pt noisy construction in nesting habitat	1/25/2011 2/25/11	3/14/2011
128	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Flag Project boundary in consultation with Des Bio and confine all disturbance and vehicles to within boundary. - PHASE II	Fluor	pt construction	completed	Completed-No documentation
128	CEC	x			BIO-8	Impact Avoidance and Minimization Measures	Flag Project boundary in consultation with Des Bio and confine all disturbance and vehicles to within boundary. - PHASE I	Fluor	pt construction	completed	Completed-No documentation
135	CEC	x			BIO-8	Impact Avoidance and Minimization Measures	Designated Biologist must monitor ground disturbing activities prior to pre-construction site mobilization.	Tetra Tech / Fluor	pt site mobilization	completed	Completed-No documentation
136	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Flag and survey the alignments for the permanent perimeter fence and utility rights-of-way fencing <24hrs PT fence construction.	German	< 24hrs pt fence construction	completed	CEC approval 4/15/11
137	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Submit DT survey reports. Ph I	Tetra Tech	< 30d after survey complete	2/25/2011 3/28/11	CEC approval 4/15/11
137	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Submit DT survey reports. P II	Tetra Tech	< 30d after survey complete		CEC approval 4/15/11
140	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	If tortoises were relocated during fence installation, inspect fences at least two times a day for the first 7 days.	Tetra Tech	Monthly	completed	CEC approval 4/15/11
141	CEC	x			BIO-9	Desert Tortoise Clearance Surveys and Fencing	Install exclusion (supervised by Des. Bio or Monitors) fencing PT site clearing and grubbing.	Fluor	pt clearing and grading	completed	CEC approval 4/15/11
143	CEC	x			BIO-10	Desert Tortoise Translocation Plan	Submit final version of Desert Tortoise Translocation Plan.	Tetra Tech	< 30d pt site mobilization	11/29/10, resubmitted 12/28/10 resub 1/7/11 1/10/11 2/8/11	Approved 1/10/11
150	CEC	x			BIO-11	Desert Tortoise Compliance Verification	Des Bio - Notify the CPM > 14d pt construction ground disturbance. Ph I	Tetra Tech	> 14d pt gd	3-Jan-11	Approved-No documentation
150	CEC	x			BIO-11	Desert Tortoise Compliance Verification	Des Bio - Notify the CPM > 14d pt construction ground disturbance. Ph II	Tetra Tech	> 14d pt gd	3-Jan-11	Completed- No documentation
151	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit PAR analysis for compensation lands.	AECOM	< 60d after CPM approval		N/A per Wildlands
152	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit an Acquisition Proposal compensation lands.	Tetra Tech	< 12m after start of construction		CEC approval 1/14/11
153	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Fund activities for Des Tort compensation. Submit verification of funding to CPM.	NextEra	< 60d CPM determining requirements		CEC approval 1/14/11
153	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Complete initial protection and improvement activities of mitigation lands. Submit verification to CPM.	Tetra Tech	< 6m CPM determining requirements	N/A Funding in lieu of mitigation	No documentation
154	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	If delegated to third party, complete acquisition within 18 months of gd activities.	NextEra	< 18m after start of gd	N/A Funding in lieu of mitigation	No documentation
156	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	If mitigation is not completed 30d pt gd, post security for funding.	NextEra	> 30d pt gd		CEC approved 1/4/11
157	CEC	x			BIO-12	Desert Tortoise Compensatory Mitigation	Notify (written) CPM of gd activity commencement.	Tetra Tech	> 30d pt gd	3-Jan-10	Completed-No approval documentation
157	CEC	x			BIO-12	Desert Tortoise Compensatory Mitigation	Notify (written) CPM of gd activity commencement. Phase II	Tetra Tech	> 30d pt gd		Completed-No approval documentation
158	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit a Preliminary Title Report, initial hazardous materials survey report, biological analysis for compensation land.	Tetra Tech			Wildlands Approved 10/11/11
159	CEC	x	x		BIO-12	Desert Tortoise Compensatory Mitigation	Fund long-term maintenance and management activities of the compensation lands. Submit verification of funding.	NextEra	< 30d after CPM approval		Wildlands Approved 10/11/11
160	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Acquire and transfer fee title to the compensation lands, a conservation easement over the lands, or both.	Fluor		Complete	Completed-No documentation
161	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Alternative to compensation lands, contribute funds to the Renewable Energy Action Team (REAT).	Fluor		Complete	Completed-No documentation
162	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit a Management Plan for Compensation Lands.	Fluor	< 180d after acquisition	Complete	Completed-No approval documentation
164	CEC	x			BIO-13	Raven Management Plan	Submit final Raven Management Plan.	Tetra Tech	> 30d pt construction	12/3/2010 1/4/11 1/8/11 1/10/11 2/8/11 2/15/11	Approved 3/2/11
165	CEC	x			BIO-13	Raven Management Plan	Post payment to the REAT Account for Regional Raven Management Program. Submit documentation of payment..	NextEra	< 10d pt Project-related gd	23-Dec-10	CEC Approval 10/11/11

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#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
169	CEC	x			BIO-14	Weed Management Plan	Submit final Weed Management Plan.	Alice Karl	> 10d pt Project-related gd	8/25/2010 resubmitted 1/5/11 1/11/11	Approved 1/10/11
171	CEC		x	x	BIO-14	Weed Management Plan	Implement the Weed Management Plan.	Alice Karl	Ongoing		
174	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	If active nests are found, establish buffer and Nesting Bird Monitoring Plan (see BIO-8); map locations and submit report. Des. Bio or Monitor must monitor nest until nestlings fledge.	Thomas Darden	until fledged	24-Feb-11	Complete-No documentation
174	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	If active nests are found, establish buffer and Nesting Bird Monitoring Plan (see BIO-8); map locations and submit report. Des. Bio or Monitor must monitor nest until nestlings fledge. PLANT SITE, PHASE II	Thomas Darden	until fledged	24-Feb-11	Complete-No documentation
175	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Conduct two pre-construction nest surveys. If construction is inactive for > 3 weeks, additional surveys may be required.	Thomas Darden	< 7d pt construction	24-Feb-11	Complete-No documentation
176	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Submit letter report of nest survey results.	Thomas Darden	pt gd	24-Feb-11	Complete-No documentation
177	CEC		x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Avoid construction in buffer zones established for active bird nests as determined and flagged by Des Bio.	Thomas Darden	until fledged	24-Feb-11	Complete-No documentation
179	CEC	x			BIO-16	Avian Protection Plan.	Submit a final Avian Protection Plan.	Tetra Tech	> 30d pt construction-related gd	12/6/2010 1/4/11	Approved 1/12/11
185	CEC		x		BIO-17	American Badger and Desert Kit Fox Impact Avoidance & Minimization Measures	Submit a report of badger and kit fox survey results. Ph I	Nextera Energy	< 30d after survey complete	2/25/2011 3/28/11	CEC approval 4/15/11
185	CEC		x		BIO-17	American Badger and Desert Kit Fox Impact Avoidance & Minimization Measures	Submit a report of badger and kit fox survey results. Ph II	Nextera Energy	< 30d after survey complete	2/25/11 & 3/28/11	CEC approval 4/15/11
186	CEC		x		BIO-17	American Badger and Desert Kit Fox Impact Avoidance & Minimization Measures	Perform pre-construction surveys for badger and kit fox dens. Ph II	Thomas Darden	pt construction	Completed	Completed-No documentation
187	CEC	x			BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Notify agencies that a relocation of owls is necessary.	Thomas Darden	> 10d after survey complete	N/A	No owls detected
190	CEC		x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Provide a land management plan.	Tetra Tech	< 90d after acquisition	N/A	No owls detected
191	CEC		x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit verification to agencies that compensation land or easements have been acquired.	Tetra Tech	< 18m after start of construction		Approved Wildlands 10/11/11
193	CEC		x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Submit acquisition proposal and a PAR analysis.	AECOM	> 90d pt acquisition		N/A per Approved Wildlands/REAT 10/11/11
194	CEC	x			BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Conduct pre-construction surveys for burrowing owls. Ph I	Tetra Tech	< 30d pt construction	Completed	Approved report 3/14/11
194	CEC	x			BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Conduct pre-construction surveys for burrowing owls. Ph II	Tetra Tech	< 30d pt construction		Approved report 3/14/11
195	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Establish Non-Disturbance Buffer Fencing (250 radius). Provide documentation that fence has been installed. Phase II	Tetra Tech	> 10d pt construction-related gd		Approved Wildlands 10/11/11
195	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Establish Non-Disturbance Buffer Fencing (250 radius). Provide documentation that fence has been installed. Phase I	Tetra Tech	> 10d pt construction-related gd	NA	No owls detected
196	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Provide land/mitigation compensation security verification.	Tetra Tech	> 30d pt construction-related gd	23-Dec-10	Approved Wildlands 10/11/11
198	CEC	x			BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Submit Burrowing Owl Relocation and Mitigation Plan.	Tetra Tech	< 30d after survey complete	11/26/2010 resubmitted 1/7/11	Approved 1/11/11
199	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Rare Plant Surveys - Submit drawings and plans with ESAs and Section A Measures.	Tetra Tech	> 30d pt gd	3-Jan-11	Approved 1/12/11
200	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	If a Distribution Study is implemented as contingency mitigation, complete implementation within 2yrs of start of construction.	Tetra Tech	< 24m after start of construction		N/A- Distribution Study not implemented
200	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	If a Distribution Study is implemented as contingency mitigation, initiate study within 6 months from the start of construction.	Tetra Tech	< 6m after start of construction		N/A- Distribution Study not implemented
201	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	If compensatory mitigation is required, post Security for acquisition and enhancement funds.	NextEra	> 30d pt gd	NA	N/A per CEC on 11/02/10
202	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Rare Plant Surveys - Submit data, field forms and summary of results.	Tetra Tech	< 2w after survey complete	22-Oct-10	Approved 11/2/2010



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#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
205	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Rare Plant Surveys - Submit the Final Summer-Fall Botanical Survey Report.	Tetra Tech	> 30d pt gd	N/A	N/A per CEC on 11/02/10
206	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Habitat Enhancement: If proposed, secure approval of a Habitat Enhancement/Restoration Plan.	Tetra Tech	< 6m after start of construction		N/A No proposed Habitat Enhancement
207	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Rare Plant Surveys - Submit draft Special-Status Plant Mitigation Plan.	Tetra Tech	> 30d pt gd	N/A	N/A No rare plants found
209	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Deposit the required funds and submit verification of deposit.	NextEra	> 30d after acquisition		N/A
210	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Status and Distribution: Post funds for selected mitigation.	NextEra	< 18m after start of gd		N/A
211	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Submit a formal acquisition proposal and draft Management Plan.	Tetra Tech	> 90d pt acquisition		N/A
213	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Complete acquisition and submit verification.	Tetra Tech	< 18 m after start of gd		N/A
214	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Habitat Enhancement: initiate activities > 12m from the start of construction.	Tetra Tech	< 12m after start of construction		N/A No proposed Habitat Enhancement
215	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Submit any agreements with an approved, delegated third party.	Tetra Tech	> 90d pt acquisition		N/A per CEC on 11/02/10
216	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Status and Distribution: If selected, submit draft and final study within 24m and 30m after gd, respectively.	Tetra Tech	< 24m after start of gd		N/A per CEC on 11/02/10
216	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Status and Distribution: If selected, initiate study <6m after gd.	Tetra Tech	< 180d after gd		N/A per CEC on 11/02/10
219	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Assign a Designated Botanist.	Tetra Tech	none	9/27/2010 2/8/11	Approved 10/15/10
220	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Include Special-Status Plant discussion in the Worker Environmental Awareness Program (WEAP).	Tetra Tech		12/3/2010 resubmitted 1/4/11	Approved 1/14/11
222	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Establish and mark boundaries for ESAs PT start of any ground- or vegetation-disturbing activities.	Tetra Tech	pt gd	completed	Approved 1/14/11
230	CEC	x			BIO-19-B	Section B: Special-Status Plant Impact Avoidance, Minimization and Compensation	If a special-status plant is found, record extent of population using GPS. Assess the extent of the species (qualitatively) within one mile of Project boundaries.	Karl, Darden	pt construction	NA	Approved by CEC 11/2/10
231	CEC	x			BIO-19-B	Section B: Special-Status Plant Impact Avoidance, Minimization and Compensation	Prior to the start of surveys, all crew members must visit reference sites (where available)	Tetra Tech	pt plant survey	completed	Approved by CEC 11/2/10
232	CEC	x			BIO-19-C	Section C: Special-Status Plant Impact Avoidance, Minimization and Compensation	Collect seeds from affected Special-Status Plants and arrange for long-term storage prior to construction.	Tetra Tech	pt construction	NA	Approved by CEC 11/2/10
235	CEC	x			BIO-19-C	Section C: Special-Status Plant Impact Avoidance, Minimization and Compensation	Special-status plants: CNDDDB Rank plants -If detected within the Project Disturbance Area, prepare and implement a Mitigation Plan.	Tetra Tech	n/a	NA	Approved by CEC 11/2/10
236	CEC	x			BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Post security for acquisitions and enhancement of MFTL habitat.	NextEra	> 30d pt construction-related gd	23-Dec-10	1/4/2011
237	CEC		x		BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Submit a MFTL Compensation Land Management Plan and associated funding.	Tetra Tech	< 180d after acquisition		Wildlands Approval 11/10/11
239	CEC		x		BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Submit a formal acquisition proposal and PAR analysis.	AECOM	> 90d pt acquisition		N/A per CEC on 11/02/10
240	CEC		x		BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Complete MFTL compensation land acquisition and submit verification.	Tetra Tech	< 18m after start of construction		Wildlands Approval 11/10/11
242	CEC		x		BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Provide funding for MFTL compensation lands OR deposit funds into NFWF's REAT Account.	NextEra			Wildlands Approval 11/10/11
250	CEC		x		BIO-21	Evaporation Pond Netting and Monitoring	Install a visual deterrent in addition to the mesh cover.	McCord			CEC Approval on 1/25/13 North Pond
251	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Submit as-built drawings and photos of evap ponds	McCord	> 30d pt operation	2/19/2013 Comp Log # 2013-10	CEC Approval on 3/18/13 South Pond
254	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Submit a draft Management Plan for the drainages on the acquired compensation lands.	Tetra Tech / Fluor	< 180d after acquisition		Wildlands Approval 11/10/11
257	CEC	x			BIO-22	Mitigation for Impacts to State Waters	Notify agencies prior to disturbance and completion of work in jurisdictional waters.	Tetra Tech / Fluor	> 5d pt construction-related gd in state waters	3-Jan-11	No work in state waters
260	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Transfer fee title or submit a conservation easement for compensation lands.	Genesis ECM			Wild lands approval 11/10/11
261	CEC	x			BIO-22	Mitigation for Impacts to State Waters	Provide verification of Security 30d pt CR gd.	NextEra	> 30d pt construction-related gd	23-Dec-10	1/4/2011

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263	CEC	x			BIO-22	Mitigation for Impacts to State Waters	Provide written verification (i.e., through incorporation into the BRMIMP) to the CPM that BMPs shall be implemented.	ECM	> 30d pt construction-related gd in state waters	23-Nov-10	Completed-No documentation
265	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Submit verification of acquisition.	McCord	< 18m after start of construction	N/A	Funding in lieu of acquisition
270	CEC	x			BIO-23	Decommissioning and Closure Plan	Post security for Decommissioning and Closure Plan.	NextEra	> 10d pt construction-related gd	4-Jan-11	Approved 1/11/11
273	CEC	x			BIO-23	Decommissioning and Closure Plan	Submit a draft Decommissioning and Closure Plan.	Worley Parsons	> 30d pt construction-related gd	25-Aug-10	Approved 10/15/2010
276	CEC	x			BIO-24	Revegetation of Temporarily Disturbed Areas	Submit to the CPM a final agency-approved Revegetation Plan.	Tetra Tech	> 30d pt construction-related gd	8/25/2010 resubmitted 12/29/10	Approved 1/12/11
280	CEC			x	BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	Conduct Spadefoot Toad surveys. Submit findings	Alice Karl	Oct-10	25-Oct-10	Completed-No approved documentation
280	CEC			x	BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	If ponds are created, submit compliance documentation yearly.	Tetra Tech	Jan-31 Annually	n/a	No ponds created
281	CEC		x		BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	If ponds are created, provide as-built drawings and photos.	Tetra Tech	> 90d pt operation	n/a	No ponds created
282	CEC	x			BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	Submit a final CST Protection and Mitigation Plan.	Tetra Tech	> 30d pt construction-related gd	11/20/2010 resubmitted 1/5/11 1/10/11	Approved 1/11/11
287	CEC		x		BIO-28	Golden Eagle Inventory and Monitoring	Submit results of eagle inventory.	Tetra Tech	< 30d of survey completion	19-May-11	Complete-No approval documentation
288	CEC	x			BIO-29	in-Lieu Mitigation Option	Notify CEC if an in-lieu fee is preferred for bio mitigation.	NextEra	pt construction-related gd	23-Dec-10	Complete-No approval documentation
289	CEC	x			CUL-1	prehistoric Trails Network Cultural Landscape (PTNCL) Documentation and Poss. NRHP Nomination	Submit notice of fund transfer.	NextEra	< 10d of transfer	27-Sep-10	Approved 10/15/10
290	CEC	x			CUL-1	PTNCL Documentation and Poss. NRHP Nomination	Contribute funds for the PTNCL Documentation and Possible NRHP Nomination program.	NextEra	upon receipt of invoice	27-Sep-10	Approved 10/15/10
291	CEC	x			CUL-2	Desert Training Center CAL-AZ Maneuver Area Cultural Landscape Documentation and Poss. NRHP Nomination	Submit notice of fund transfer.	NextEra	< 10d of transfer	27-Sep-10	Approved 10/15/10
292	CEC	x			CUL-2	Desert Training Center CAL-AZ Maneuver Area Cultural Landscape Documentation and Poss. NRHP Nomination	Contribute funds for the Documentation and Possible NRHP Nomination program (DTCCL)	NextEra	upon receipt of invoice	27-Sep-10	Approved 10/15/10
293	CEC	x			CUL-3	Cultural Resources Personnel	Assign a cultural resource specialist (CRS).	AECOM	pt site mobilization	26-Aug-10	Approved 10/18/10
295	CEC	x			CUL-3	Cultural Resources Personnel	Obtain services of a specialist backhoe operator during excavation of CA-Riv-9072	AECOM	NA	5-Apr-12	Completed-No approval documentation
297	CEC	x			CUL-3	Cultural Resources Personnel	Submit resumes for a CRS, alternate CRS (optional), prehistoric archaeologist, ethnographer, historical archaeologist, project geochaeologist.	AECOM	> 75d pt gd	26-Aug-10	CRS, Approved 10/18/10 Alt CRS (addl info submitted 10/29) PPA, Approved 10/18/10 PHA, Approved 10/18/10 GE (addl info submitted 10/29)
299	CEC	x	x		CUL-3	Cultural Resources Personnel	Submit confirmation of CR staff availability for CUL-8, 10, 11, 12 and 17.	AECOM	10d pt data recovery	Completed with resume submittal	CEC approval on various dates
301	CEC	x			CUL-3	Cultural Resources Personnel	Submit letter with names and quals of CR Monitors.	AECOM	15d pt data recovery	10-Dec-10	Approved 1/13/11
301	CEC	x			CUL-3	Cultural Resources Personnel	Submit letter with names and quals of field crew members.	AECOM	15d pt data recovery	NA	1/13/2011
303	CEC	x	x		CUL-4	Project Documents for Cultural Resources Personnel	If construction is phased, submit maps and drawings. Provide phase schedule to CRS and CPM.	Jessica Auch	15d pt start of each phase	Completed with CIVIL-1	No phasing
303	CEC	x	x		CUL-4	Project Documents for Cultural Resources Personnel	If construction is phased, submit maps and drawings. Provide phase schedule to CRS and CPM. Phase II	Jessica Auch	15d pt start of each phase	Completed with CIVIL-1	No phasing
304	CEC	x			CUL-4	Project Documents for Cultural Resources Personnel	Submit CR data and maps to CR staff and CPM.	Jessica Auch	> 60d pt gd	1-Dec-10	Complete-No approval documentation
305	CEC	x	x		CUL-4	Project Documents for Cultural Resources Personnel	Submit any changes in footprint.	Jessica Auch	15d pt gd	1/4/2011 3/18/11	Approved 3/30/11

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307	CEC	x			CUL-5	Cultural Resources Monitoring and Mitigation Plan	Submit information from curation facility.	Jessica Auch	> 30d pt gd	12-Nov-10	Complete-No approval documentation
308	CEC	x			CUL-5	Cultural Resources Monitoring and Mitigation Plan	Submit letter agreement to fund curation fees.	Jessica Auch	> 20d pt gd	10-Dec-10	Complete-No documentation
309	CEC	x			CUL-5	Cultural Resources Monitoring and Mitigation Plan	Submit the CRMMMP.	Jessica Auch	> 30d pt gd	3/1/2011 4/4/11	CEC approval 5/16/11
313	CEC	x			CUL-7	Worker Environmental Awareness Program	CRS to submit training program.	Jessica Auch	> 30d pt gd	12/10/2010 resubmitted on 1/4/11	comments received 2/28/11
314	CEC	x			CUL-7	Worker Environmental Awareness Program	CRS to submit WEAP training acknowledgement form.	AECOM	> 15d pt gd		Complete-No approval documentation
317	CEC		x		CUL-8	Construction Monitoring Program	Geoarchaeologist to observe and sample all trenching of Tline as part of PTCNL documentation and possible NRHP nomination program (CUL-1).	AECOM			N/A per a memo from the CEC on 2/19/13.
326	CEC	x			CUL-8	Construction Monitoring Program	CPM to provide CRS with daily monitoring form.	AECOM	> 30d pt gd	26-Nov-10	Complete-Documented in MCR
329	CEC	x			CUL-9	Authority to Halt Construction; Treatment of Discoveries	Submit confirmation that CRS and CR staff have stop-work authority and notification requirements.	Jessica Auch	> 30d pt gd	10-Dec-10	Complete-No documentation
332	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM that data recovery for small site has begun.	Jessica Auch	> 15d pt data recovery	21-Dec-10	Complete-No documentation
332	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM that data recovery for small site has begun.Phase II	Jessica Auch	> 15d pt data recovery	9-Mar-11	3/28/2011
338	CEC	x			CUL-11	Data Recovery for Large sites	Notify CPM of recovery at large sites.	AECOM	> 45d pt gd at site	21-Dec-10	Complete-No documentation
340	CEC		x		CUL-12	Surface Collection with Sampling for site CA-RIV-9073	Notify CMP of collection at CA-Riv-9072 is complete and PRIOR to CR gd in that location.	AECOM	< 7d pt gd at site		3/28/2011
341	CEC	x			CUL-12	Surface Collection with Sampling for site CA-RIV-9074	Notify CPM that collection at CA-Riv-9072 will commence.	Jessica Auch	> 15d pt data recovery	9-Mar-11	3/28/2011
343	CEC	x			CUL-12	Surface Collection with Sampling for site CA-RIV-9076	Submit a preliminary letter report detailing finds at CA-Riv-9072. Can be included with report for CUL-11.	Jessica Auch			Approved 8/19/11
346	CEC	x	x		CUL-13	Flag and Avoid	Flag buffer zone around sites CA-Riv-0260, CA-Riv-0663, and CA-Riv-9072.	AECOM	pt gd at site		Complete-No documentation
347	CEC				CUL-14		DELETED	Jessica Auch			Deleted
348	CEC				CUL-15		DELETED	Jessica Auch			Deleted
349	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Submit results of Native American consultation.	Jessica Auch	> 15d pt construction		CEC Approval 1/13/11
350	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Notify CPM of consultation.	Jessica Auch	> 30d pt construction	12-Dec-10	CEC Approval 1/13/11
350	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Documentation that security gate/guard is in place.	Jessica Auch	pt grading		Complete-No documentation
351	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Consult with Native American representatives regarding to the McCoy Spring National Register Archaeological District and sites CA-Riv-0523, CA-Riv-3149, CA-Riv-4569, and CA-Riv-4699	Jessica Auch	pt construction	Ongoing	Phase 2 mitigation
352	CEC	x			CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Include in CRMMMP a data recovery plan for the historic-period archaeological resources.	AECOM	pt gd	1-Mar-11	Complete-No documentation
353	CEC	x			CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Submit to CPM letter report that data recovery is complete.	AECOM	< 7d of data recovery completion	2/1/2011 2/11/11	Approved 2/14/11
355	CEC	x	x		CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Notify CPM that historic-period site mapping and in-field artifact analysis will commence.	AECOM	> 15d pt gd within 30m of site	17-Jan-11	3/28/2011
355	CEC	x	x		CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Notify CPM that historic-period site mapping and in-field artifact analysis will commence. Ph II	AECOM	> 15d pt gd within 30m of site	9-Mar-11	3/28/2011
359	CEC		x		HAZ-2	Hazardous Materials Business Plan, Spill Prevention, Control and Countermeasure Plan, Process Safety Management Plan	Submit a final Process Safety Management Plan.	Fluor	> 60d pt receipt of hazmat		NOT REQUIRED PER THE CEC 1/28/13
359	CEC		x		HAZ-2	Hazardous Materials Business Plan, Spill Prevention, Control and Countermeasure Plan, Process Safety Management Plan	Submit a final Spill Prevention, Control, and Countermeasure Plan.	Mosley	> 60d pt receipt of hazmat		Approved by the CEC on 2/12/12

**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
360	CEC		x		HAZ-3	Safety Management Plan for Hazardous Material	Submit a Safety Management Plan.	McCord	> 60d pt receipt of hazmat	3/08/13 to the CEC # 2013-013	Approved by the CEC on 5/2/13
362	CEC		x		HAZ-4	HTF pipe system isolation valves	Submit design drawings showing the number, location, and type of HTF isolation valves.	Fluor	> 30d pt const. of solar array		Completed-No approved documentation
363	CEC	x			HAZ-5	Construction Site Security Plan	Submit a Construction Security Plan Verification.	Fluor	> 30d pt construction	2-Dec-10	Approved 12/10/10
365	CEC		x		HAZ-6	Operations Site Security Plan	Submit a Operations Site Security Plan.	McCord	> 30d pt receipt of hazmat	3/15/2013 resubmitted 4/11/13	Approved by the CEC on 5/2/13
367	CEC		x		Public Health-1	Cooling Water Management Plan	Submit a Cooling Water Management Plan.	McCord	> 60d pt cooling tower operation	3/15/13 CL # 2013-016	Approved by the CEC on 6/19/13
368	CEC	x			NOISE-1	Resident Notification- Pre-construction	Notify residents within 2 miles of the site and 0.5 mile of linears of start of construction. (Include phone # for noise complaints)	Fluor	> 15d pt gd	14-Jan-11	CEC Approval 1/19/11
369	CEC		x	x	NOISE-1	Resident Notification- Pre-construction	Maintain telephone number for noise complaints until facility is operational for one year.	Fluor / Operations	1yr		Not implemented/No documentation
370	CEC		x		NOISE-1	Resident Notification- Pre-construction	Post telephone number for noise complaints at the site during construction, visible to passersby.	Fluor	Construction		Not implemented/No documentation
371	CEC	x			NOISE-1	Resident Notification- Pre-construction	Submit statement and documentation of compliance to CPM.	Fluor	pt gd	14-Jan-11	Approved CEC 1/19/11
376	CEC	x			NOISE-3	Noise Control Program	Submit a Noise Control Program and a statement of commitment.	Fluor	> 30d pt gd	30-Nov-10	Approved 12/20/10
380	CEC	x			Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit final Drainage Erosion and Sedimentation Control Plan. Phase II	Fluor	> 30d pt site mobilization	Prelim 3/9/11 Draft 3/22/11	Approved 1/21/11
380	CEC	x			Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit final Drainage Erosion and Sedimentation Control Plan. PHASE I	Fluor	> 30d pt site mobilization	27-Dec-10	Approved 1/21/11
384	CEC			x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit documentation of mitigation to well owners.	Worley Parsons	< 60d after start of operation		Complete-No documentation
391	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Send notices to all owners and conduct a well reconnaissance within 2 miles of the project.	Worley Parsons		completed	Complete-No documentation
398	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Monitor wells, seeps and springs to establish preconstruction conditions.	Worley Parsons		completed	Complete 1/4/11
399	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit report of all pre-construction items, including calculations and assumptions.	Worley Parsons	> 30d pt construction		Complete 1/4/11
401	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit a Groundwater Level Monitoring and Reporting Plan to the CPM for review and approval.	Worley Parsons	> 30d pt construction	3-Dec-10	Approved 12/21/10
408	CEC	x	x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit a copy of County concurrence that the proposed well construction activities comply with all county well requirements and the water well permit program	Fluor	> 30d pt construction of GW well		4/29/2011
409	CEC		x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit documentation that drilling was conducted in compliance with 23 CCR, sections 2510 et seq.	Fluor	< 15d after GW well completion		4/29/2011
411	CEC		x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit a Well Completion Report. Concurrently, submit a copy of well drilling logs, water quality analyses, and any inspection reports.	Fluor	< 60d after GW well construction		4/29/2011
412	CEC	x	x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit to CPM a copy of the water well construction packet submitted to the County of Riverside.	Fluor	> 60d pt construction of GW well	31-Mar-11	4/29/2011
417	CEC	x			Soil & Water-5	Construction and Operation Water Use	Install and maintain metering devices as part of the water supply and distribution system (gpd and total). Submit compliance documentation.	Fluor	> 30d pt construction	31-Jan-11	Complete-No approval documentation
422	CEC		x		Soil & Water-7	Septic System and Leach Field Reqs	Submit engineering report on the septic system and leach field design, operation, maintenance, and loading impact to groundwater to County. Submit County's assessment of compliance.	McCord	> 30d pt start of operations	Submitted to the CEC on 8/2/13	Approved by the CEC on 9/10/13
423	CEC	x			Soil & Water-8	Revised Project Drainage Report and Plans	Submit a Revised Project Drainage Report with the 30 percent Grading and Drainage Plans.	Fluor	> 60d pt site mobilization (plant)	Prelim 3/9/11 Draft 3/22/11	Complete-No approval documentation
424	CEC		x		Soil & Water-9	Detailed FLO-2D Analysis	Submit a detailed FLO-2D analysis with the 30 percent Grading and Drainage Plans and revised Project Drainage Report.	Fluor	> 60d pt site mobilization (plant)	Prelim 3/9/11 Draft 3/22/11	Complete-No approval documentation
425	CEC		x		Soil & Water-10	Collector and Conveyance Channel Compliance with RCFCWCD	Submit two copies of the 30 percent channel design drawings.	Fluor	> 60d pt site mobilization (plant)	Prelim 3/9/11	Complete-No approval documentation
426	CEC		x		Soil & Water-11	Channel Erosion Protection	Incorporate channel erosion protection methods (except "I" ) in the Grading and Drainage Plans and all submittals required in SOIL&WATER-8 through SOIL&WATER-10.	Fluor	> 60d pt site mobilization (plant)	Prelim 3/9/11	Complete-No approval documentation
435	CEC	x			Soil & Water-14	Decommissioning and Closure Plan - Water and Wind Considerations	Submit Decommissioning Plans.	Worley Parsons	> 60d pt site mobilization	22-Oct-10	Approved 10/29/10
438	CEC	x			Soil & Water-15	Colorado River Flow Mitigation, Water Supply Plan	Submit a Water Supply Plan.	Jeff Harvey	> 30d pt GW extraction for const.	12/3/2010 resub. 2/1/11	Approved 5/3/11

**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
440	CEC	x			Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Submit the Ground Subsidence Monitoring and Action Plan.	Worley Parsons	> 30d pt GW extraction for const.	8-Dec-10	Approved 12/23/10
446	CEC	x			Soil & Water-19	Estimation of Impacts to PVMGB	Submit a report detailing results of the PVMGB underflow depletion modeling effort.	Worley Parsons	< 30d pt site mobilization	19-Mar-11	Approval 1/29/11
447	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Submit a Groundwater Quality Monitoring and Reporting Plan > 6 weeks pt start of construction.	Worley Parsons	> 45d pt construction	27-Oct-10	Approved 12/21/10
449	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Submit a Well Monitoring Installation and Groundwater Quality Network Report.	Worley Parsons	> 30d pt construction	3-Dec-10	Approved 12/21/10
450	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Commence groundwater quality monitoring prior to construction.	Worley Parsons	pt construction		CEC Approval 12/21/10
451	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Submit GW quality and level monitoring data.	Worley Parsons	> 30d pt GW extraction for const.	3-Dec-10	Approved 1/21/10
452	CEC	x			TRANS-1	Traffic Control Plan	Submit copies of comment letters received from County and Caltrans and any associated changes to Traffic Plan.	Fluor	> 30d pt construction	16-Dec-10	Complete-CEC approval 8/12/11
453	CEC	x			TRANS-1	Traffic Control Plan	Submit a Traffic Control Plan plus a copy of the transmittal letter to Caltran and County.	Fluor	> 60d pt gd	11/23/2010 resubmitted 1/6/11 1/14/11	Approved 1/17/11
453	CEC	x			TRANS-1	Traffic Control Plan	Submit a Traffic Control Plan plus a copy of the transmittal letter to Caltran and County. Phase II	Fluor	> 60d pt gd		Approved 8/12/11
463	CEC	x			TRANS-5	Restoration of Public Roads, Easements, and ROWs	Submit photographs or video of all affected public roads, easements and ROWs.	Fluor	> 30d pt site mobilization	21-Dec-10	Approved 1/10/11
464	CEC	x			TRANS-5	Restoration of Public Roads, Easements, and ROWs	Notify the County and Caltrans of schedule for construction.	Fluor	pt site mobilization	Completed 1/24/11	Approved 1/10/11
469	CEC		x		TLSN-1	Compliance with Cal Pub Utility Commissions (Tline)	Submit letter signed by CA registered electrical engineer affirming the Tlines will be constructed in accordance with the stated requirements.	Fluor	> 30d pt construction of Tline		CEC Approval 1/16/13
476	CEC	x	x		VIS-1	Surface Treatment of Non-Mirror Project Structures and Buildings	Submit a Surface Treatment Plan.	Fluor	> 30d pt ordering		Cmplete-No approval documentation
494	CEC	x			VIS-5	Visual Mitigation and Re-vegetation of Staging Area	Meet with CPM to discuss how staging area site plan will minimize visibility from rest area.	Fluor	> 90d pt construction	12/28/2010 1/14/11	Approved 1.17.11
495	CEC	x			VIS-6	Reduction of Form, Line and Texture Contrast	Meet with the CPM to discuss incorporation of visual contrast reduction into the design plans.	Fluor	> 90d pt construction	12-Oct-10	Approved 10/25/10
497	CEC	x			WASTE-2	PE or PG - Staff Assignment	Submit resume for a PE or PG.	NextEra	> 30d pt site mobilization	4-Nov-10	Approved 11/30/10
500	CEC	x			WASTE-4	Construction Waste Management Plan	Submit a Construction Waste Management Plan.	Fluor	> 30d pt construction	2-Dec-10	Approved 12/16/10
501	CEC	x			WASTE-5	UXO Identification, Training and Reporting Plan	Submit a UXO Identification, Training and Reporting Plan.	Tetra Tech	> 30d pt construction	2-Dec-10	Approved 12/21/10
505	CEC	x	x	x	WASTE-6	Haz Waste Generator Identification Number	Obtain a hazardous waste generator identification number from USEPA prior to generating any hazardous waste. Retain a copy onsite.	Gavaldon	pt generating haz waste	MAY 2012 MCR and Formal Sub on 2/19/13	CEC Approval on 03/23/13
510	CEC		x		WASTE-9	Operation Waste Management Plan	Submit any required revisions of Ops Waste Plan.	Operations	< 20d of notification from CPM	Submitted to the CEC on 7/25/13	Approved by the CEC on 8/29/13
515	CEC	x			Worker Safety-1	Project Construction Safety and Health Program	Submit the Construction Emergency Action Plan and the Fire Prevention Plan to Riverside County Fire Department for review and comment prior to CPM submittal.	Fluor/Tomey Pouncy	pt CPM submittal	completed	Approved 1/14/11
516	CEC	x			Worker Safety-1	Project Construction Safety and Health Program	Submit the Project Construction Safety and Health Program, to include Personal Protective Equipment Program; Exposure Monitoring Program; Injury and Illness Prevention Program; Heat Stress Protection Plan; Emergency Action Plan; and a Construction Fire Prevention Plan.	Fluor	> 30d pt construction	12/16/2010 1/13/11	Approved 1/14/11
517	CEC		x	x	Worker Safety-2	Project Operations Safety and Health Program	Submit a Project Operations and Maintenance Safety and Health Program to include: Injury and Illness Prevention Plan; Operation Heat Stress Protection Plan; BMPs for the storage and application of herbicides; Emergency Action Plan; Hazardous Materials Management Program; Fire Prevention Plan; and Personal Protective Equipment Program.	Mosley	> 30d pt first fire or commissioning		CEC Approval on 5/02/13
518	CEC		x		Worker Safety-1	Project Operations Safety and Health Program	Submit The Operations Fire Prevention Plan and the Emergency Action Plan to Riverside County Fire Department for review and comment.	Mosley	pt CPM submittal		Approved by the RCFD 12/05/10, Approved by the CEC on 1/14/11
519	CEC	x			Worker Safety-3	Construction Safety Supervisor - Staff Assignment	Submit name and contact information for the Construction Safety Supervisor (CSS).	Fluor	> 30d pt site mobilization	11/16/2010 1/11/10 1/18/11 4/4/11	CEC Approval 4/15/11
520	CEC	x	x		Worker Safety-4	Construction Safety Supervisor - Staff Assignment	CSS to include compliance documentation in Monthly Compliance Report.	Fluor	Monthly		Approved no documentation
521	CEC	x			Worker Safety-4	CBO Payments	Submit verification of agreement with CBO for a Safety Monitor to CPM.	NextEra	> 60d pt construction	3-Nov-10	CEC Approval 1/19/11

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#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
522	CEC	x			Worker Safety-4	CBO Payments	Post payment to CBO for a Safety Monitor.	NextEra	TBD w CBO	14-Jan-11	CEC Approval 7/19/11
523	CEC		x	x	Worker Safety-5	Automatic External Defibrillator onsite	Install a portable automatic external defibrillator (AED) on site during construction and operations.	Fluor / Operations	Ongoing	complete	CEC approval on 1/14/11
524	CEC	x	x	x	Worker Safety-5	Automatic External Defibrillator onsite	Conduct AED training program in accordance with CPM-approved program.	Fluor / Operations	Ongoing	complete	CEC approval on 1/14/11
525	CEC	x			Worker Safety-5	Automatic External Defibrillator onsite	Submit verification that AED exists onsite and the training and maintenance program.	Fluor	> 60d pt site mobilization	3-Nov-10	CEC approval on 1/14/11
526	CEC		x		Worker Safety-6	Emergency Access Gate, Spur Road	Submit to the RCFD and CPM preliminary plans of location and details for a second access gate to the site.	Fluor	> 60d pt site mobilization (plant)		RCFD Approved 5/16/11
527	CEC		x		Worker Safety-6	Emergency Access Gate, Spur Road	Submit revised and final plans for second access gate. Include letter or statement regarding comments from RCFD.	Fluor	> 30d pt site mobilization (plant)		Approved 11/16/12
528	CEC		x		Worker Safety-6	Emergency Access Gate, Spur Road	Submit verification that all-terrain fire engines have been delivered and acceptable to RCFD. (see text for alternative measures requirements)	Fluor/McCord	> 180d pt receipt of HTF		CEC/RCFD Agreement to satisfy on 12/28/12
529	CEC	x			Worker Safety-7	Riv Co Fire Department, Capital and Operating Costs Funding	Submit either: agreement with the RCFD re funding for capital costs for fire protection/response OR documentation that a letter of credit has been provided to the RCFD and will continue annually.	NextEra	> 30d pt site mobilization	12/21/2010 1/12/11	CEC temp Approval 11/16/12
531	CEC	x			Worker Safety-8	Dust Control Plan	Submit Dust Control Plan.	Fluor w/ Tt support	> 60d pt site mobilization	1-Nov-10	Approved 1/13/11
539	CEC	x			GEN-2	Facility Design Submittals to CBO and CPM	Submit a schedule of facility design submittals, and master drawing and master specifications lists before submitting the initial engineering designs for CBO review.	Fluor	< 60d pt grading	17-Nov-10	Approved 12.20.10
542	CEC	x			GEN-4	Resident Engineer - Staff Assignment	Assign a California- registered architect, or a structural or civil engineer, as the resident engineer (RE) in charge of the project.	Fluor	> 30d pt grading	14-Jan-11	CEC Approved 1/19/11
543	CEC	x			GEN-4	Resident Engineer - Staff Assignment	Notify the CPM of the CBO's approvals of the RE and other delegated engineer(s).	Fluor	< 5d of approval	30-Dec-10	Approved 1/19/11
544	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the soils (geotechnical) engineer.	Fluor	> 30d pt grading	1-Dec-10	Approved-No documentation
545	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of soils (geotechnical) engineer.	Fluor	< 5d of approval	30-Dec-10	Complete-No documentation
546	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the civil engineer.	Fluor	> 30d pt grading	1-Dec-10	Approved-No documentation
547	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the mechanical engineer .	Fluor	> 30d pt construction	1-Dec-10	Approved-No documentation
548	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the engineering geologist.	Fluor	> 30d pt grading	1-Dec-10	Approved-No documentation
549	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of civil eng assignment.	Fluor	< 5d of approval	21-Dec-10	Complete-No approval documentation
550	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of mech eng assignment.	Fluor	< 5d of approval	21-Dec-10	Complete-No approval documentation
551	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of eng. geologist assignment.	Fluor	< 5d of approval	21-Dec-10	Complete-No approval documentation
557	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	Submit resumes of special inspector(s).	Fluor	> 15d pt activity	25-Feb-11	approved by CBO 1/25/11
566	CEC	x	x		CIVIL-1	CBO Submittals- Drainage and Grading, Statement of Submittal	Submit to the CBO: (Ph I) 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils, geotechnical, or foundation investigations reports.	Fluor	> 15d pt grading	23-Dec-10	Approved 1/21/11 no phasing
566	CEC	x	x		CIVIL-1	CBO Submittals- Drainage and Grading, Statement of Submittal	Submit to the CBO: (PH II) 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils, geotechnical, or foundation investigations reports.	Fluor	> 15d pt grading		Approved 1/21/11 no phasing
577	CEC		x		STRUC-1	CBO Submittals - Major Structure or Facility design Component, Statement of Submittal	approval of the final grading plans (including final changes) for the	McCord	> 60d pt start of construction listed GEN-2.		Approved by the CEC on 12/20/10
605	CEC	x			PAL-1	Paleontological Resource Specialist - Staff Designation	Submit resume of Paleo Resource Monitors.	Tetra Tech	> 20d pt gd		Complete-No approval documentation
606	CEC	x			PAL-1	Paleontological Resource Specialist - Staff Designation	Submit resume of the Paleo Resource Specialist (PRS).	Tetra Tech	> 60d pt gd	2-Sep-10	Approved 10/25/10
607	CEC	x			PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	Submit maps and drawings showing the footprint of the power plants, construction lay down areas, and all related facilities.	Fluor	> 30d pt gd	4-Jan-11	CEC approval 1/14/11
611	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	Submit schedule of construction phases before work commences on affected power plants.	Fluor	pt start of const on affected power plants	4-Jan-11	CEC approval 1/14/11

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#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
612	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	If the footprint of the project or its linear facilities change, provide maps and drawings reflecting those changes.	Fluor	> 15d pt gd	1/4/2011 3/8/11	Approved 3/17/11
614	CEC	x			PAL-3	Paleontological Resources Monitoring and Mitigation Plan	If PRS determines that paleontological materials could be impacted, PRS to submit a paleontological resources monitoring and mitigation plan (PRMMP).	Tetra Tech	> 30d pt gd	3-Dec-10	Approved 12/21/10
618	CEC	x			PAL-4	Paleontological WEAP	Include paleo resources in the WEAP.	Tetra Tech	> 30d pt gd	14-Dec-10	Approved 1/4/2011
619	CEC	x			PAL-4	Paleontological WEAP	Submit script and final video of paleo training.	Tetra Tech	> 30d pt gd	14-Dec-10	Approved 1/4/2011
627	CEC	x			TSE-1	CBO and CPM submittal - Schedule of design submittals (Master Drawing List, Master Spec List, Major Equip and Structure List)	Submit the schedule, a Master Drawing List, and a Master Specifications List.	Watson	pt construction		See GEN-2 Approved by CEC 12/8/10
638	CEC		x		TSE-6	CBO Submittal - TSE-5 Change Requests	Notify the CBO and the CPM of any impending changes that may not conform to requirements of TSE-5 and request approval to implement such changes pt to the construction of transmission facilities.	Watson	pt const of Tline		N/A No changes
648	CEC	x			COMPLIANCE-4	Pre-con Matrix and tasks	Submit a pre-construction matrix identifying only those conditions that must be fulfilled before the start of construction,	Tetra Tech / Fluor	pt construction	5-Nov-10	Complete-No approval documentation
650	CEC	x	x		COMPLIANCE-6	Monthly Compliance Report and Key Events List	Submit Monthly Compliance Reports. Include an initial list of dates for each of the events identified on the Key Events List.	Gavaldon	1st MCR	12/7/2010 1/12/11	Complete-Filed in first MCR
653	CEC	x			COMPLIANCE-9	Complaints, Notices and Citations	Send a letter to property owners living < 1mile of the project notifying them of a telephone number to contact project representatives with questions, complaints, or concerns.	NextEra	pt construction		Approved 1/19/11
596A	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Request CBO and/or Cal-OSHA inspection of pressure vessel upon completion of installation. <b>FOR UNIT 2</b>	McCord	upon installation	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's
91	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Submit results of pressure checks.	Operations	< 30d after test	Submitted to CEC and MDAQMD on 8/02/13	Approved by the CEC on 8/21/13
585	CEC		x		STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Submit to the CBO final design plans for tanks or vessels.	McCord	> 30d pt installation	Submitted in MCR's	CEC approved on 11/26/13
594A	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Submit vendor certification for prefabricated vessels and tanks and Engineers verification that plans conform with ASME Code. Submit copy of transmittal letter to CPM. <b>FOR UNIT 1</b>	McCord	> 30d pt installation	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's
594B	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Submit vendor certification for prefabricated vessels and tanks and Engineers verification that plans conform with ASME Code. Submit copy of transmittal letter to CPM. <b>FOR UNIT 2</b>	McCord	> 30d pt installation	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's
594C	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Submit vendor certification for prefabricated vessels and tanks and Engineers verification that plans conform with ASME Code. Submit copy of transmittal letter to CPM. <b>FOR COMMON AREA</b>	McCord	> 30d pt installation	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's
596B	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Request CBO and/or Cal-OSHA inspection of pressure vessel upon completion of installation. <b>FOR UNIT 2</b>	McCord	upon installation	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's
597A	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Ensure that all boilers and pressure vessels are designed, fabricated, and installed in accordance with ASME Code. <b>FOR UNIT 1</b>	BV	Ongoing	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's
597B	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Ensure that all boilers and pressure vessels are designed, fabricated, and installed in accordance with ASME Code. <b>FOR UNIT 2</b>	BV	Ongoing	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's
597C	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Ensure that all boilers and pressure vessels are designed, fabricated, and installed in accordance with ASME Code. <b>FOR COMMON AREA</b>	BV	Ongoing	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's
600	CEC		x		ELEC-1	CBO Submittal - Electrical Equipment and Systems	Submit to the CBO the final plant design plans and a signed/stamped stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS.	Gavaldon	> 30d pt start of each increment of construction	Submitted in MCR's	Approved 11/26/13
632	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Submit to the CBO the final design plans, etc for the power plant switchyard, and outlet line and termination, include statement from the electrical engineer verifying compliance with all applicable LORS.	McCord	pt start of each increment of construction	Submitted in MCR's	Approved 11/26/13
586	CEC	x	x		STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Include copies of the CBO approvals of plan checks to the CPM in the following monthly compliance report.	Gavaldon	MCR	Submitted in MCR's	Approved 11/26/13

### Master Matrix

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
587	CEC		x		STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Include a copy of the CBO's inspection approvals to the CPM in the monthly compliance report following completion of any inspection.	Gavaldon	< 30d following inspection	Submitted in MCR's	Approved 11/26/13
595	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Include CBOs inspection approval in the monthly compliance report following any inspection.	Gavaldon	MCR	Completed submitted in MCR's	CEC approval 11/26/13 submitted in MCR's
602	CEC		x		ELEC-1	CBO Submittal - Electrical Equipment and Systems	Include 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.	Gavaldon	MCR	Submitted in MCR's	Approved 11/26/13
633	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Submit a copy of the transmittal letter of final design plans to CBO in the next monthly compliance report.	Gavaldon	MCR	Submitted in MCR's	Approved 11/26/13
636	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Include 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.	Gavaldon	MCR	Submitted in MCR's	Approved 11/26/13
509	CEC		x		WASTE-9	Operation Waste Management Plan	Submit the Operation Waste Management Plan.	Operations	> 30d pt operation	25-Jul-13	Approved by the CEC on 8/25/13
588	CEC	x			STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Design tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the 2007 CBC to comply with the requirements of that chapter.	McCord		Completed submitted in MCR's	CEC approval 11/26/13 submitted in MCR's
593	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Submit code certification papers and other documents for all pressure vessels installed in the plant required by applicable LORS.	BV	pt operation	Completed submitted in MCR's	CEC approval 11/26/13 submitted in MCR's
601	CEC		x		ELEC-1	CBO Submittal - Electrical Equipment and Systems	Request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	McCord		Completed submitted in MCR's	CEC approval 11/26/13 submitted in MCR's
603	CEC		x		ELEC-1	CBO Submittal - Electrical Equipment and Systems	At least 30d pt the start of each increment of electrical construction, submit to the CBO for design review and approval the listed documents.	McCord	> 30d pt start of each increment of construction	Completed submitted in MCR's	CEC approval 11/26/13 submitted in MCR's
634	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	Gavaldon		Completed submitted in MCR's	CEC approval 11/26/13 submitted in MCR's
639	CEC			x	TSE-7	ISO Notification	Submit telephone notification to the California ISO Outage Coordination Department	Operations	> 1d pt synchronizaiton	24-Sep-13	Approved by the CEC on 12/06/13
640	CEC			x	TSE-7	ISO Notification	Submit to the California ISO a letter stating the proposed date of synchronization.	Operations	> 7d pt synchronizaiton	24-Sep-13	Approved by the CEC on 10/16/13
641	CEC			x	TSE-7	ISO Notification	Submit a report of conversation with the California ISO.	Operations	> 1d pt synchronizaiton	24-Sep-13	Approved by the CEC on 12/06/13
421B	CEC			x	Soil & Water-7	Septic System and Leach Field Reqs	Project Owner shall submit necessary information and fee to the County of Riverside. Written assessment Riverside County shall be submitted to the CPM for review and approval	Operations	30 days prior to operation		
14	CEC			x	AQ-SC7	Dust Control Plan - Operations	Submit Operations Dust Control Plan.	Operations	30 days prior to operation	Submitted to the CEC on 5/17/13 CL# 2013-029	.Resubmitted on 11/13/13
432	CEC		x		Soil & Water-13	Channel Maintenance Program	Submit two copies a Channel Maintenance Program.	Operations	> 60d pt start of project related activity		Resubmitted to CEC on 11/21/13



**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
637	CEC		x		TSE-5	CBO Submittal - Tline Design Drawings, Specs and Calca	Submit to the CBO : a) Design drawings for the poles/towers, foundations, anchor bolts, conductors, grounding systems, and major switchyard equipment; b) design criteria, a discussion of the calculation method(s), a sample calculation based on "worst case conditions" and a statement by the engineer that the Tline element(s) will conform with specified codes and standards. c) Electrical one-line diagrams signed and sealed by the electrical engineer, a route map, and an engineering description of the equipment and configurations covered by requirements TSE-5 d) The Special Protection System (SPS) sequencing and timing if applicable shall be provided concurrently to the CPM. e) 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, f) The final Phase II Interconnection Study, g) A copy of the executed LGIA signed by the California ISO and the project owner.	Watson	pt const of Tline	Submitted to the CBO	Approved by the CEC on 12/04/13
567	CEC	x			CIVIL-1	CBO Submittals- Drainage and Grading, Statement of Submittal	Include CBO approval in following monthly compliance report.	BV	< 30d after approval		Approved 1/21/11
138	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Inspect temporary fencing weekly and, where drainages intersect the fencing, during and within 24 hours following major rainfall events. Repair fence immediately. If damage could have allowed tortoise entry, Des Bio must inspect area for animal presence.	German	< 24hr following rain event		Permanent Fence Complete
324	CEC	x	x		CUL-8	Construction Monitoring Program	Submit a copy of any Native American employment request and a copy of a response letter.	AECOM	< 15d of receipt	8-Feb-11	Approved 3/2/2011
427	CEC		x		Soil & Water-12	Non-Transient Non-Community Water System	Obtain a permit to operate a non-transient, non-community water system with the County.Potable Water	McCord	> 60d pt operation		Michelle from W/P working with Riverside County for permits
479	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Submit a Lighting Mitigation Plan.	McCord	> 60d pt ordering permanent lighting		Completed no documentation
485	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Consult with CPM regarding documentation required in the Lighting Mitigation Plan.	McCord	> 90d pt ordering permanent lighting		Completed no documentation
486	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Consult with CPM regarding documentation required in the Lighting Mitigation Plan.	McCord	> 30d pt ordering temp lighting		Completed no documentation
492	CEC		x		VIS-4	Reflective Glare Mitigation	Submit a fencing plan describing mitigation for off-site glare.	McCord	> 90d pt fence construction		Completed no documentation
141	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Clear plant site of Tortoise following construction of permanent fence. Search and collapse all unoccupied burrows. Excavate all occupied burrows. Relocate and monitor in accordance with Translocation Plan.	German	following const of permanent fence		Permanent Fence Complete
302	CEC		x		CUL-4	Project Documents for Cultural Resources Personnel	If phased construction schedule changes, submit notice of change.	Gavaldon	< 5d of decision		No Phasing
533	CEC		x		Worker Safety-9	Riv Co Fire Dept Joint Training Exercises	Submit verification that a joint training program with the RCFD is established.	Operations	> 10d pt commissioning	Occurred on 2/2013	Approved thru submission on 06/14/13
121	CEC	x			BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Conduct Aerial Surveys and submit pre-const. photos for review	Holt	after construction completion	10-Jan-11	Completed
321	CEC		x		CUL-8	Construction Monitoring Program	Submit justification for reduction or cessation of CRS daily reporting.	AECOM	< 24hrs pt change of reporting	8-Mar-11	CEC approved on3/28/2011
345	CEC	x	x		CUL-13	Flag and Avoid	CA-Riv-0260, CA-Riv-0663, and CA-Riv-9072: avoid impacts to these sites.	AECOM	pt gd within 30m of site		Complete no Documentation. Included in MCR's
442	CEC				Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Construct one monument monitoring station per production well or a minimum of three stations.	Worley Parsons			Complete-No Documentation
535A	CEC		x	x	GEN-1	2007 Ca Building Standards Code Compliance	Provide the CPM a copy of the certificate of occupancy (CO) <b>Unit 2 and Common Area</b>	BV	< 30d of receipt		Will receive permanent CO in March
15	CEC		x	x	AQ-SC7	Dust Control Plan - Operations	Submit report identifying locations of all speed limit signs, and a copy of the training manual.	Operations	< 60d after start of operation	13-Nov-13	waiting on Approval from the CEC
536	CEC		x		GEN-1	2007 Ca Buidling Standards Code Compliance	Once the CO issued, notify CPM pt any addition, alteration, moving, demolition, repair, or maintenance on any portion(s) of the completed facility subject to CBO approval.	BV	> 30d pt activity		CEC approval for Temp CO Unit 2 and Common Area 11/26/13
11B	CEC			x	AQ-SC6	Fleet Plan for operations vehicles	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	Operations	30 days prior to operation	12-Nov-13	waiting on Approval from the CEC

**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
477A	CEC		x	x	VIS-1	Surface Treatment of Non-Mirror Project Structures and Buildings	Notify CPM when surface treatment is complete and ready for inspection. Submit photographs of treated structures upon completion. <b>UNIT 1</b>	Gavaldon	upon completion of installation		waiting on Approval from the CEC
482	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Prior to Commercial Operation, notify CPM that lighting is Complete and ready for inspection. <b>UNIT 2</b>	Gavaldon	prior to commercial operation		waiting on Approval from the CEC
482	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Prior to Commercial Operation, notify CPM that lighting is Complete and ready for inspection. <b>COMMON AREA</b>	Gavaldon	prior to commercial operation		waiting on Approval from the CEC
535B	CEC		x	x	GEN-1	2007 Ca Buidling Standards Code Compliance	Provide the CPM a copy of the certificate of occupancy (CO) <b>Unit 1</b>	BV	< 30d of receipt		4/1/2014
24A	CEC			x	AQ-6	Initial MDAQMD Compliance Test - NG boilers	Submit test results within 180 days of initial start up. <b>UNIT 2</b>	McCord/Gavaldon	< 180d after initial start up		1/15/2014
25A	CEC		x		AQ-6	Initial MDAQMD Compliance Test - NG boilers	Notify agencies within fifteen working days before the initial MDAQMD compliance test. <b>UNIT 2</b>	Gavaldon	< 15d prior to test		1/15/2014
24B	CEC			x	AQ-6	Initial MDAQMD Compliance Test - NG boilers	Submit test results within 180 days of initial start up. <b>UNIT 1</b>	McCord/Gavaldon	< 180d after initial start up		2/15/2014
25B	CEC		x		AQ-6	Initial MDAQMD Compliance Test - NG boilers	Notify agencies within fifteen working days before the initial MDAQMD compliance test. <b>Unit 2</b>	Gavaldon	< 15d prior to test		2/15/2014
359	CEC		x		HAZ-2	Hazardous Materials Business Plan, Spill Prevention, Control and Countermeasure Plan, Process Safety Management Plan	Submit a final Hazardous Materials Business Plan.	McCord	> 60d pt receipt of hazmat	walked in to the County by J.Wellman on 3/11/13 #2013-015 comments received by the RCEHD	Approved by the CEC on 5/10/13. resubmittal on 7/2/13 to the RCEHD. Received comments from Brad Ballen working on final edits
377	CEC			x	NOISE-4	Occupational Noise Survey	Conduct an occupational noise survey.	McCord	following first sustained output of 90%		1/30/2015
434	CEC	x			Soil & Water-13	Channel Maintenance Program	Submit written commitment to adopt and implement the Program.	Operations	> 60d pt start of project related activity		2/1/2015
488	CEC		x		VIS-4	Reflective Glare Mitigation	Construct perimeter chain link using dark or earth-toned opaque privacy slats of a minimum 8 feet in height.	Gavaldon	Ongoing		Minor repairs expected 12/2013
592	CEC		x		MECH-1	CBO Submittal -Plan Piping and Plumbing System, Final design specs and calcs	Submit to the CBO the final plans and a statement from the mechanical engineer certifying compliance with applicable LORS for major piping or plumbing.	McCord	> 30d pt installation		
598	CEC		x		MECH-3	CBO Submittal - HVAC Specs, etc.	Upon completion of any increment of construction, request CBO's inspection and approval of that construction.	McCord	Upon completion of increment of construction		
599	CEC		x		MECH-3	CBO Submittal - HVAC Specs, etc.	Submit to the CBO the required HVAC and refrigeration plans and a statement from the mechanical engineer certifying compliance with applicable codes. Submit copy of the transmittal letter to the CPM.	McCord	> 30d pt const of HVAC or refrig system		1/15/2013
477B	CEC		x	x	VIS-1	Surface Treatment of Non-Mirror Project Structures and Buildings	Notify CPM when surface treatment is complete and ready for inspection. Submit photographs of treated structures upon completion. <b>UNIT 2</b>	Gavaldon	upon completion of installation		Waiting on final ok from RECBO
477C	CEC		x	x	VIS-1	Surface Treatment of Non-Mirror Project Structures and Buildings	Notify CPM when surface treatment is complete and ready for inspection. Submit photographs of treated structures upon completion. <b>COMMON AREA</b>	Gavaldon	upon completion of installation		Waiting on final ok from RECBO
40	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Submit a report of test results to the District. <b>UNIT 1</b>	McCord	< 45d after test		1/15/2013
40	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Submit a report of test results to the District. <b>UNIT 2</b>	McCord	< 45d after test		2/15/2013
55	CEC		x		AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Submit manufacturer guarantee data for the drift eliminator.	McCord	> 30d pt cooling tower operation		WE 12/20/13
537	CEC		x		GEN-1	2007 Ca Buidling Standards Code Compliance	Submit a statement that all facility designs, construction, installation, and inspection requirements of the LORS and CEC's decision have been met.	McCord	< 30d after receipt of CO		Fluor done - Holt and BV remain 1/31/13
197	CEC			x	BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit a Construction Termination Report identifying status of owl mitigation.	AECOM	< 30d Start of Operations		Due at end of conctruction
41B	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Notify <b>District</b> and <b>CPM</b> prior to testing. <b>Unit 1</b>	McCord/Gavaldon	10d prior to test		12/20/2013

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#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
642	CEC			x	TSE-8	Code Compliance	Submit: a) "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 codes and standards shall be provided concurrently. b) 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. Retain "As built" drawings at the power plant and make available, if requested, for CPM audit as set forth in the "Compliance Monitoring Plan". c) 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.	Operations	< 60d after first synchronization		2/1/2013
591	CEC		x		MECH-1	CBO Submittal -Plan Piping and Plumbing System, Final design specs and calcs	Include a copy of transmittal letter to CBO in following monthly compliance report.	Gavaldon until 3/2014, then Ops 4/2014	< 30d of submittal		3/1/2014
465	CEC		x	x	TRANS-5	Restoration of Public Roads, Easements, and ROWs	Restore all public roads, easements, and rights-of-way damaged due to project-related construction activities.	Watson	Ongoing		Will Occur after the finish of AZ crossing 3/1/14
466	CEC			x	TRANS-5	Restoration of Public Roads, Easements, and ROWs	Submit letter of ROW repair completion, including concurrence from Caltrans or the County.	Watson			Will Occur after the finish of AZ crossing 3/1/14
467	CEC			x	TRANS-5	Restoration of Public Roads, Easements, and ROWs	Meet with CPM, Caltrans and the County to identify sections of public ROW needing repair < 60d after construction. Establish a schedule for repairs.	Watson	< 60d after construction completion		Will Occur after the finish of AZ crossing 3/1/14
474	CEC		x		TLSN-4	Metallic Object Grounding in ROW	Submit compliance documentation.	Gavaldon	> 30d pt energization		
475	CEC		x		TLSN-4	Metallic Object Grounding in ROW	Ensure all permanent metallic objects within the Tline ROW are grounded.	Watson	Ongoing		
482	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Prior to Commercial Operation, notify CPM that lighting is Complete and ready for inspection. <b>UNIT 1</b>	Gavaldon	prior to commercial operation		
493	CEC		x		VIS-5	Visual Mitigation and Re-vegetation of Staging Area	Submit a revegetation plan for the staging area.	Karl	> 60d pt operation		
43	CEC			x	AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Submit to the District a compliance test protocol.	Operations	< 60d after initial start up		
312	CEC			x	CUL-6	Cultural Resources Report	Submit the final CRR.	AECOM	< 180d after completion of gd		Completion 2/14/14 after all ground disturbance
590	CEC		x		MECH-1	CBO Submittal -Plan Piping and Plumbing System, Final design specs and calcs	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.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
5	CEC		x		AQ-SC3	Construction Fugitive Dust Control; AQCM monthly reporting -	AQCM to submit compliance documentation to the CPM in each Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
7	CEC		x		AQ-SC4	Dust Plume Response Requirement	Submit information on dust plume observations, response, and list of equipment onsite in Monthly Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
9	CEC		x		AQ-SC5	Diesel engine emissions - monitoring and reporting	<i>Implement Diesel-Fueled Engine Control</i>	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
9	CEC		x		AQ-SC5	Diesel engine emissions - monitoring and reporting	Submit compliance documentation in Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
102	CEC		x		BIO-2	Designated Biologist - responsibilities	Include documentation of biological resource compliance in the Monthly Compliance Reports.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
110	CEC		x		BIO-4	Biological Monitors - responsibilities	Include BIO-4 compliance documentation in Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
115	CEC		x		BIO-6	Worker Environmental Awareness Program (WEAP)	Submit training records in the Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
124	CEC	x	x		BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Include BIO-7 compliance documentation in Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
130	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Include BIO-8 compliance documentation in Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		

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#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
192	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit burrowing owl compliance documentation in monthly compliance report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
212	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Submit compliance documentation of special-status plant avoidance and minimization measures in the Monthly Compliance Reports.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
258	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Include a discussion of work in waters of the state in Monthly Compliance Reports.	AECOM/Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
315	CEC		x		CUL-7	Worker Environmental Awareness Program	Submit all new WEAP acknowledgement forms and a running tally of trained employees in monthly compliance report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
323	CEC		x		CUL-8	Construction Monitoring Program	Include report of any NCRs in monthly compliance report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
346	CEC	x	x		CUL-13	Flag and Avoid	Inspect flagged buffer zone around sites CA-Riv-0260, CA-Riv-0663, and CA-Riv-9072 monthly. Submit compliance documentation in the Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
381	CEC	x	x		Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit compliance documentation in the Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
456	CEC	x			TRANS-2	Vehicle Weight Limits	Obtain necessary overweight/oversized and other transportation permits required by Caltrans and the County. Report receipt of permits in Monthly Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
457	CEC	x	x		TRANS-3	Public ROW Encroachment	Obtain necessary encroachment permits from Caltrans and all relevant jurisdictions. Report receipt of permits in Monthly Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
462	CEC	x	x		TRANS-4	Hazmat Transport Permits/Licenses	Obtain necessary hazardous material transport permits from Caltrans and all relevant jurisdictions. Report receipt in Monthly Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
503	CEC		x	x	WASTE-6	Haz Waste Generator Identification Number	Submit documentation of any new or revised hazardous waste generation notifications in the following Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
538	CEC	x	x		GEN-2	Facility Design Submittals to CBO and CPM	Include updated schedule of facility design submittals, and master drawing and master specifications in the Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
541	CEC	x	x	x	GEN-3	CBO Payments	Submit a copy of the CBO's receipt of payment to the CPM in the next monthly compliance report indicating that applicable fees have been paid.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
552	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	Include a copy of the CBO's approval of the qualifications of all special inspectors in the next monthly compliance report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
558	CEC		x		GEN-7	Facility Design Discrepancy Documentation	Submit a copy of the CBO's approval of corrective action taken to resolve a discrepancy in the next monthly compliance report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
563	CEC		x		GEN-8	As-builts, CBO Notification of Completion and Compliance	Submit a copy of statement of work completed to the CPM in the next monthly compliance report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
571	CEC		x		CIVIL-3	CBO Inspection of 2007 CBC Compliance	Include a list of NCRs in the following Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
574	CEC		x		CIVIL-4	Final Grading Plans - CBO submittal	Submit a copy of the CBO's approval of grading plans to the CPM in the next monthly compliance report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
584	CEC	x	x		STRUC-3	CBO Submittal - Design Changes, Revised Drawings, Specs, Calcs	Notify the CPM, via the monthly compliance report, when the CBO has approved the revised plans.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
616	CEC		x		PAL-4	Paleontological WEAP	Submit Paleo training documentation in Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
620	CEC		x		PAL-5	PRS Monitoring and Stop Work Authority	Include summary of paleo monitoring activities and finds in the Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
628	CEC	x			TSE-1	CBO and CPM submittal - Schedule of design submittals (Master Drawing List, Master Spec List, Major Equip and Structure List)	Include TSE schedule updates in the Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)		
180	CEC		x	x	BIO-16	Avian Protection Plan.	Implement an Avian Protection Plan	Tetra Tech / Operations	Ongoing	Submitted Jan 2011.	

**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
6	CEC		x		AQ-SC3	Construction Fugitive Dust Control; AQCCMM monthly reporting -	Implement Dust Control BMPs	Gavaldon	Construction Completion 2/14/13		
6	CEC		x		AQ-SC3	Construction Fugitive Dust Control; AQCCMM monthly reporting -	Stabilize all disturbed areas after construction activities.	Gavaldon	Construction Completion 2/14/13		
8	CEC		x		AQ-SC4	Dust Plume Response Requirement	Monitor all construction activities for visible dust plumes. If plumes observed, implement mitigation as specified.	Gavaldon	Construction Completion 2/14/13		
10	CEC		x		AQ-SC5	Diesel engine emissions - monitoring and reporting	AQCCMM to inspect and tag all diesel-fueled engines Diesel engines and tier standards - see full text. Do not idle diesel equipment for more than 5 mins.(see full text for exceptions)	Gavaldon	Construction Completion 2/14/13		
107	CEC		x		BIO-3	Biological Monitors - Staff assignment	Submit information on additional bio monitors, if needed	Gavaldon	> 10d pt monitoring activity		
111	CEC		x		BIO-4	Biological Monitors - responsibilities	Bio Mons assist DB with surveys and monitoring disturbance activities.	Guigliano	Ongoing		
112	CEC		x	x	BIO-5	Designated Biologist and Biological Monitor Authority	Des Bio to notify agencies if there a stop work order.	German	Ongoing		
119	CEC	x	x		BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit the revised or supplemented BRMIMP.	German	< 10d of receipt of addl permits		
122	CEC			x	BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Construction disturbance verification - submit post-construction aerial images of the project site .	Holt	< 90d after construction completion		
123	CEC	x	x		BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit any outstanding permits within 5 days of receipt and revise BRMIMP accordingly.	Gavaldon	< 5d of receipt		
127	CEC		x	x	BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit to the CPM a Construction Termination Report.	German	< 30d after construction completion		
134	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	If activities btwn Feb15 to Apr15 may result in noise >65 dBA in bird nesting habitat, submit nest survey results (as described in 9a).	German	< 7d before noisy construction		
139	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Inspect permanent fencing monthly, during and within 24 hours following all major rainfall events (flow is detectable within the fenced drainage). Repair fence immediately, with permanent repairs completed within 48 hrs.	German	< 48hrs following rain event		
141	CEC	x			BIO-9	Desert Tortoise Clearance Surveys and Fencing	Design security gates with minimal ground clearance to deter ingress by tortoises.	McCord			
142	CEC	x	x		BIO-10	Desert Tortoise Translocation Plan	Submit a Translocation Plan status report following translocation of a DT.	German	< 30d after initiation of relocation		
144	CEC		x		BIO-11	Desert Tortoise Compliance Verification	Des Bio must be onsite daily during ground-disturbing construction activities located beyond permanent fencing.	AECOM	Ongoing		
145	CEC		x	x	BIO-11	Desert Tortoise Compliance Verification	Provide agencies with reasonable access to the Project site and compensation lands.	NextEra	Ongoing		
146	CEC			x	BIO-11	Desert Tortoise Compliance Verification	Submit a Final Listed Species Mitigation Report.	AECOM	< 45d after initial start up		
147	CEC		x		BIO-11	Desert Tortoise Compliance Verification	Des. Bio to conduct compliance inspections at least once per month after grading is completed.	German	Monthly		
149	CEC	x	x		BIO-11	Desert Tortoise Compliance Verification	DesBio - Notify agencies immediately of any injured or dead listed species. Follow up with written notification within 2 days.	German	< 2d of discovery		
150	CEC		x		BIO-11	Desert Tortoise Compliance Verification	Notify the CPM immediately of any NCR.	AECOM	upon discovery		
155	CEC			x	BIO-12	Desert Tortoise Compensatory Mitigation	Provide to agencies a total disturbance acreage, including B/A aerial photography.	McCord	< 90d after completion of gd		
168	CEC		x	x	BIO-13	Raven Management Plan	Implement the approved Raven Management Plan.	AECOM	Ongoing		
181	CEC		x	x	BIO-16	Avian Protection Plan.	Report project-related bird deaths or injuries to agencies.	AECOM	Ongoing		
204	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Habitat Enhancement: Submit Security adequate for long-term implementation and monitoring of the Habitat Enhancement / Restoration Plan.	Alice Karl			
208	CEC	x	x	x	BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Notify agencies immediately if a State- or Federal-Listed Species, or BLM Sensitive Species is identified at any time during the life of the Project.	Alice Karl			
218	CEC		x	x	BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Select, install and maintain ECDs such that special-status plants are not directly or indirectly affected (seed mixes, hay, runoff).	Alice Karl	Ongoing		
223	CEC		x	x (closure)	BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Designated Botanist: monitor disturbance activities weekly.	Alice Karl	Weekly	Submitted in monthly report	
224	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Incorporate site design modifications to minimize impacts to special-status plants along the Project linears.	McCord			
225	CEC			x	BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Des Bio: Protect special-status plant species within 100ft of Project Boundaries during operations.	German	Ongoing, this task is in the daily and weekly DB reports. Included in the monthly compliance reports.		
226	CEC		x	x	BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Maintain a 100-ft buffer around ESAs. (vehicles, wash stations, storage, equipment, etc)	German	Ongoing		

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227	CEC		x		BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Protect special-status plants within 100ft of site boundaries from drift of herbicides and stabilizer.	Alice Karl	Ongoing, Re-vegetation efforts to begin middle of October.		
243	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Report any dead wildlife to Des Bio <24hrs. Des Bio must report to agencies .48hrs.	German	< 1d of detection, all dead wildlife has been reported		
249	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Consult with agency regarding removal of injured wildlife in evap ponds.	AECOM	Ongoing		
252	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Des Bio or Monitor must inspect netting monthly during operation.	German	monthly		
268	CEC	x	x		BIO-22	Mitigation for Impacts to State Waters	Notify agencies of any change of conditions to the Project (site conditions, impacts, mitigation).	AECOM	< 7d upon discovery		
272	CEC			x	BIO-23	Decommissioning and Closure Plan	Implement a final Decommissioning and Closure Plan.	Operations	Project closure		
275	CEC		x	x	BIO-24	Revegetation of Temporarily Disturbed Areas	Implement Revegetation Plan.	Alice Karl	Ongoing		
278	CEC				BIO-25		DELETED				
279	CEC				BIO-26		DELETED				
283	CEC		x	x	BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	Implement a CST Protection and Mitigation Plan.	AECOM	Ongoing		
284	CEC		x		BIO-28	Golden Eagle Inventory and Monitoring	If a nest is found, notify agencies submit final Golden Eagle Monitoring and Management Plan.	AECOM	< 30d after detection		
285	CEC		x		BIO-28	Golden Eagle Inventory and Monitoring	Survey for golden eagle annually during construction.	AECOM	Annually		
294	CEC	x	x		CUL-3	Cultural Resources Personnel	Submit resume of CRS replacement (if necessary).	AECOM	10d pt CRS departure		Until Ground Disturbing Completion 2/14/14
296	CEC	x	x		CUL-3	Cultural Resources Personnel	CRS to oversee all cultural resources mitigation, monitoring, curation, and reporting activities.	Tennyson	Ongoing		Until Ground Disturbing Completion 2/14/14
298	CEC	x	x		CUL-3	Cultural Resources Personnel	Submit letter with names and quals of <i>additional</i> CR Monitors.	Tennyson	5d pt arrival on site	30-Mar-11	Until Ground Disturbing Completion 2/14/14
306	CEC		x		CUL-4	Project Documents for Cultural Resources Personnel	Submit weekly schedule and location of activities to CRS and CPM during ground disturbance.	AECOM	Weekly		Until Ground Disturbing Completion 2/14/14
310	CEC		x		CUL-6	Cultural Resources Report	Submit a draft CR Report (CRR) if requesting suspension of construction (if necessary). Retain a copy of the draft CRR onsite.	Gavaldon	> 30d after request to suspend construction		Until Ground Disturbing Completion 2/14/14
311	CEC		x		CUL-6	Cultural Resources Report	Submit documentation of CRR distribution to parties.	AECOM	< 10d of CRR approval		Until Ground Disturbing Completion 2/14/14
316	CEC		x		CUL-7	Worker Environmental Awareness Program	Conduct WEAP training for all new workers prior to and during gd (including landscaping)	Mann	Ends with construction inside and outside fence 2/14/14		Until Ground Disturbing Completion 2/14/14
318	CEC	x	x		CUL-8	Construction Monitoring Program	Submit statement daily during gd if "no cultural resources over 50 years of age were discovered".	AECOM	daily	Ongoing	Until Ground Disturbing Completion 2/14/14
320	CEC		x		CUL-8	Construction Monitoring Program	Submit a summary report of CR-related monitoring and any new DPR 523A forms as part of the monthly compliance report.	AECOM	Monthly		To be included until the final MCR at Construction Completion
322	CEC		x		CUL-8	Construction Monitoring Program	CR Staff to monitor and maintain daily log on provided forms for all gd activity until the Qoaf alluvium is reached. (including roads)	AECOM	daily		Until Ground Disturbing Completion 2/14/14
323	CEC		x		CUL-8	Construction Monitoring Program	Notify CPM of NCRs w/in 24 hrs, recommend corrective action.	AECOM	< 24hr of discovery		Until Ground Disturbing Completion 2/14/14

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#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
327	CEC	x	x		CUL-8	Construction Monitoring Program	Submit documentation of transmittals to Native American representatives following discovery of cultural material.	AECOM	< 30d upon discovery		Until Ground Disturbing Completion 2/14/14
328	CEC	x	x		CUL-8	Construction Monitoring Program	Submit "discovery" responses from tribes.	AECOM	< 15d of receipt		Until Ground Disturbing Completion 2/14/14
330	CEC	x	x		CUL-9	Authority to Halt Construction; Treatment of Discoveries	If cultural material is found, notify agencies (<24 hrs), Tribes (48hrs, as appropriate); submit a DPR 523 form; treat find in accordance with CRMMP.	Tennyson	< 24hr of discovery	Ongoing notification	Until Ground Disturbing Completion 2/14/14
331	CEC		x		CUL-10	WEAP - Cultural Considerations	Implement CRMMP when within 30meters of these sites.	AECOM	Ongoing		Until Ground Disturbing Completion 2/14/14
334	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM when data recovery is complete.	AECOM	< 1w of data recovery completion	1-Feb-11	Until Ground Disturbing Completion 2/14/14
334	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM when data recovery is complete. Phase II	AECOM	< 1w of data recovery completion		
335	CEC		x		CUL-11	Data Recovery for Large sites	Submit letter report of data recovery.	AECOM	< 1w of data recovery completion		
335	CEC		x		CUL-11	Data Recovery for Large sites	Submit letter report of data recovery. Phase II	AECOM	< 1w of data recovery completion		
336	CEC		x	x	CUL-11	Data Recovery for Large sites	Submit to CPM any draft research paper to be presented at a professional organization.	AECOM	> 15d pt presentation		
354	CEC	x	x		CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Implement CRMMP within 30 meters of these sites.	AECOM	Ongoing		
356	CEC		x		CUL-18	Compliance with BLN Programmatic Agreement	Comply with BLM Programmatic Agreement.	AECOM	Ongoing		
385	CEC	x	x		Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Map groundwater levels within the CVGB within 10 miles of the site. Update trend plots and statistical analyses, as data is available.	Worley Parsons	Ongoing		
394	CEC		x		Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Notify owners within one month of CPM approving compensation analysis.	Worley Parsons	< 1m CPM approval of comp. analysis		
400	CEC			x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	CPM to evaluate GW level monitoring program for necessity or modification every 5 years.	CPM	5yrs		
402	CEC		x		Soil & Water-3	Groundwater Well Impact Compensation	Notify all owners of the impacted wells within one month of the CPM approval of the compensation analysis for increase energy costs.	Worley Parsons	< 1m CPM approval of comp. analysis		
403	CEC		x		Soil & Water-3	Groundwater Well Impact Compensation	Submit all calculations, calculation agreement letters signed by the well owners, and contact information for landowners that do not agree with calculations.	Worley Parsons	Ongoing		
404	CEC		x		Soil & Water-3	Groundwater Well Impact Compensation	Submit all documentation and calculations r.e. compensation for energy costs associated with additional lift requirements.	Worley Parsons	< 30d after approval		
410	CEC		x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit two copies of any proposed well permit changes.	McCord	< 10d of submittal or receipt		
415	CEC		x		Soil & Water-5	Construction and Operation Water Use	GW use during construction must not exceed an annual average of 1,368 afy.	Gavaldon	Ongoing		
418	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit compliance documentation for the WDRs in Appendices B, C, and D.	Worley Parsons	< 60d pt waste discharge		
419	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit (for rev and approve) any change to the design, construction, or operation of the evaporation basins, treatment units, or associated storm water system pt initiating changes.	Worley Parsons	pt initiating changes		
420	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit all monitoring reports required by the WDRs and details of any nonconformance.	Worley Parsons	Ongoing		
430	CEC		x	x	Soil & Water-13	Channel Maintenance Program	Supervise the implementation of a Channel Maintenance Program.	Operations	Ongoing		
431	CEC		x		Soil & Water-13	Channel Maintenance Program	Ensure the Project Construction Manager receive training on the Channel Maintenance Program.	McCord	Ongoing		
436	CEC			x	Soil & Water-14	Decommissioning and Closure Plan - Water and Wind Considerations	Submit amended Decommissioning Plans should the decommissioning scenario change in the future.	Operations	Ongoing		
437	CEC		x	x	Soil & Water-15	Colorado River Flow Mitigation, Water Supply Plan	Implement Water Supply Plan mitigation measures.	Jeff Harvey	Ongoing		
441	CEC		x		Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Submit quarterly reports presenting data and comparison to thresholds beginning 3 months following GW production.	Worley Parsons	quarterly 3m after GW production		
443	CEC			x	Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Submit a 5-yr monitoring report summarizing findings to date.	Operations	5yrs after GW production		
445	CEC				Soil & Water-18	Water Policy Compliance Water Supply Plan	DELETED				

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#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
448	CEC		x	x	Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Monitor GW quality and levels semi-annually and submit data semi-annually.	Worley Parsons	semi-annually		
455	CEC	x	x		TRANS-2	Vehicle Weight Limits	Retain copies of transportation permits and supporting documentation on-site for inspection if requested.	Gavaldon			
458	CEC		x	x	TRANS-3	Public ROW Encroachment	Retain copies of encroachment permits onsite for inspection for at least six months after the start of commercial operation.	Operations	> 6m after start of operation		
468	CEC		x		TLSN-1	Compliance with Cal Pub Utility Commissions (Tline)	Construct Tline in accordance with CA PUC's req's, California Code of Regulations, and Southern California Edison's EMF reduction guidelines.	Watson	Ongoing		
471	CEC		x	x	TLSN-2	Pre- and Post- Energization Measurements	Measure strengths of EMF before energization according to (ANSI/IEEE) standard procedures. Submit measurement report.	McCord	< 60d of test		
473	CEC			x	TLSN-3	Combustible Material Inspections	Maintain Tline ROW free of combustible material.	Operations	Ongoing		
480	CEC		x	x	VIS-2	Temporary and Permanent Exterior Lighting	Notify CPM of lighting complaint resolution/implementation.	Gavaldon	< 48hr of resolution		
481	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Notify CPM that permanent lighting is installed and ready for inspection.	Gavaldon	pt operation		
482	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	If after inspection lighting modifications are needed, notify CPM that modifications are complete.	Gavaldon	< 30d after notification		
483	CEC		x	x	VIS-2	Temporary and Permanent Exterior Lighting	Submit any received lighting complaints. Include proposal to resolve and schedule.	Gavaldon	< 48hr of complaint receipt		
484	CEC		x	x	VIS-2	Temporary and Permanent Exterior Lighting	Submit a copy of complaint resolution report.	Gavaldon	< 30d of resolution		
487	CEC				VIS-3	Tline setback from I-10	DELETED				
489	CEC		x	x	VIS-4	Reflective Glare Mitigation	Submit copy of complaint glare resolution form.	Gavaldon	< 30d of receipt		
490	CEC		x	x	VIS-4	Reflective Glare Mitigation	Submit any glare complaints, including resolution and schedule.	Gavaldon	< 48hr of complaint receipt		
491	CEC		x	x	VIS-4	Reflective Glare Mitigation	Notify CPM resolution/implementation for glare complaints.	Gavaldon	< 48hr of resolution		
496	CEC		x		WASTE-1	Contaminated Soil Assessment and Remediation	If contaminated soil is found during construction, consult with Department of Toxic Substances Control, assess and remediate contamination in consultation with DTSC and with approval from CPM.	Gavaldon	Ongoing		
498	CEC		x		WASTE-3	Contaminated Soil Assessment and Remediation - PE or PG responsibilities	If potential contamination results in stop-work call by PE or PG, notify CPM within 24hrs.	Gavaldon	< 24hr after stop work		
499	CEC		x		WASTE-3	Contaminated Soil Assessment and Remediation - PE or PG responsibilities	If potential contamination is identified, the PE or PG must inspect and submit report to agencies any need for sampling/remediation.	Gavaldon	< 5d of receipt		
506	CEC		x	x	WASTE-7	Waste Management-related Enforcement Action Notification	Notify CPM of an impending waste-management enforcement action and owners response/resolution.	Gavaldon	< 10d of notification from authorities		
507	CEC				WASTE-8	Reuse/Recycling Plan	DELETED				
540	CEC	x	x	x	GEN-3	CBO Payments	Submit payments to the CBO in accordance with the agreement between the project owner and the CBO.	NextEra	ongoing		
553	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	Notify the CPM of the CBO's approval of replacement inspector.	BV	< 5d of approval		
554	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	If the special inspector is reassigned or replaced, submit resume of replacement to CBO.	BV	< 5d of replacement		
555	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	Special inspectors submit inspection reports to the CBO and RE.	BV	Ongoing		
556	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	The special inspector shall submit a final signed report to the RE, CBO, and CPM, stating compliance status.	BV	after construction completion		
559	CEC		x		GEN-7	Facility Design Discrepancy Documentation	If corrective action is not approved, advise CPM of the reason and the revised corrective action to obtain CBO's approval.	McCord	< 5d after CBO disapproval		
560	CEC		x		GEN-7	Facility Design Discrepancy Documentation	Document and recommend corrective actions for any discrepancy in design and/or construction engineering work subject to CBO approval. Submit documentation to CBO for review and approval.	McCord	Ongoing		
561	CEC		x		GEN-8	As-builts, CBO Notification of Completion and Compliance	Retain one set of approved engineering plans, at the project site. Submit to the CPM a statement with location of stored documents.	Gavaldon			
562	CEC		x		GEN-8	As-builts, CBO Notification of Completion and Compliance	Submit to CBO statement of work completed, in conformance with plans and ready for inspection.	McCord	< 15d after construction completion		
564	CEC			x	GEN-8	As-builts, CBO Notification of Completion and Compliance	Provide CBO with a full set of electronic plans.	McCord	< 90d after construction completion		
565	CEC		x		GEN-8	As-builts, CBO Notification of Completion and Compliance	Notify the CPM after obtaining the CBO's final approval of work completed.	BV	< 15d after construction completion		
568	CEC		x		CIVIL-2	RE Stop Work Authority and Notification	Submit modified plans to the CBO for review and approval based on these new conditions.	McCord	Ongoing		
569	CEC		x		CIVIL-2	RE Stop Work Authority and Notification	Submit CBO approval of modified plans to CPM.	BV	< 24hr of approval		
570	CEC		x		CIVIL-2	RE Stop Work Authority and Notification	RE to stop earthwork if he/she identifies unforeseen adverse soil or geologic conditions. Notify CPM within 24 hrs.	BV	< 24hr of discovery		
572	CEC		x		CIVIL-3	CBO Inspection of 2007 CBC Compliance	Perform inspections in accordance with the 2007 CBC. Report any discrepancies immediately.	BV	Ongoing		
573	CEC		x		CIVIL-3	CBO Inspection of 2007 CBC Compliance	RE to submit a non conformance report (NCR) < 5d of discovery. Submit details of corrective action < 5d of resolution.	BV	< 5d of discovery		
575	CEC		x		CIVIL-4	Final Grading Plans - CBO submittal	After completion of finished grading and erosion and sedimentation	BV	< 30d completion of drainage work		



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576	CEC		x		STRUC-1	CBO Submittals - Major Structure or Facility design Component, Statement of Submittal	control and drainage work, the project owner shall obtain the CBO's	McCord	< 30d after approval		
578	CEC		x		STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities	If NCR is disapproved the project owner shall notify the CPM within 5 days, the reason for the disapproval	McCord	< 5d of NCR		
580	CEC		x		STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities	The project Owner shall transmit a copy of the CBP's Approval or disapproval of the NCR corrective Action To the CPM within 15 days	McCord	< 15d CBO response		
581	CEC		x		STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities	Submit a copy of the NCR corrective action to the CBO and the CPM.	McCord	< 5d of resolution		
582	CEC		x		STRUC-3	CBO Submittal - Design Changes, Revised Drawings, Specs, Calcs	Notify the CBO of any intended filing of design changes, and submit revisions on a schedule suitable to the CBO.	Watson	on a sched suitable to CBO		
589	CEC		x		MECH-1	CBO Submittal -Plan Piping and Plumbing System, Final design specs and calcs	Request CBO inspection of any such major piping or plumbing system.	McCord			
608	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	Submit letter of any construction phase schedule changes.	SWCA	< 5d of identification		
609	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	If construction proceeds in phases, submit maps and drawings.	SWCA	pt start of each increment of construction		
610	CEC		x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	PRS or PRM consult weekly with the superintendent or construction field manager to confirm upcoming activity locations.	SWCA	until gd is completed		
613	CEC		x		PAL-3	Paleontological Resources Monitoring and Mitigation Plan	Copies of the PRMMP shall reside with the PRS, each monitor, the project owner's on-site manager and the CPM.	SWCA	Ongoing		
615	CEC		x		PAL-4	Paleontological WEAP	If PRS determines that paleontological materials could be impacted, conduct weekly paleo training for all personnel supervising, directing or conducting ground-disturbing activity.	SWCA	weekly during gd		
617	CEC		x		PAL-4	Paleontological WEAP	Submit resume of any alternative paleo trainer (if applicable).	SWCA	Ongoing		
621	CEC		x		PAL-5	PRS Monitoring and Stop Work Authority	Notify CPM of any significant paleo resource encountered.	SWCA	< 24hrs upon discovery		
622	CEC		x		PAL-5	PRS Monitoring and Stop Work Authority	Notify CPM of any noncompliance related to paleo resources.	SWCA	< 24hrs upon discovery		
623	CEC		x		PAL-5	PRS Monitoring and Stop Work Authority	Implement PRMMP, maintain daily logs. Submit for approval any change in paleo monitoring plan.	SWCA	Ongoing		
624	CEC			x	PAL-6	Paleontological Resource Curation	Retain copies of signed contracts with the designated PRS and other specialists; also the Paleontological Resource Report.	Operations	3yr after construction completion		
625	CEC		x		PAL-6	Paleontological Resource Curation	Submit copy of letter to curating institution - if fossils found.	SWCA	Ongoing		
625	CEC		x		PAL-6	Paleontological Resource Curation	Ensure proper implementation of curation procedures according to the PRMMP Pay fees for curation of paleo materials. Submit letter of materials transmittal to the curation facility to CPM.	SWCA	Ongoing		
626	CEC		x		PAL-7	Paleontological Resources Report	Submit a Paleontological Resources Report (PRR).	Tetra Tech	< 90d after gd		
629	CEC		x		TSE-2	Electrical Engineer - Staff Assignment Civil Engineer - Staff Assignment	Notify the CPM of the CBO's approval of the new engineer within five days of the approval.	Watson	< 5d of approval		
629	CEC		x		TSE-2	Electrical Engineer - Staff Assignment Civil Engineer - Staff Assignment	If an engineer is reassigned or replaced, submit resume of replacement.	Watson	< 5d of replacement		
631	CEC		x		TSE-3	Design Discrepancy Submittals	Document and recommend corrective actions for any discrepancy in design and/or construction engineering work that has undergone CBO design review and approval. Submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	BV	< 15d of receipt		
631	CEC		x		TSE-3	Design Discrepancy Submittals	If resolution is disapproved, advise the CPM the reason for the disapproval, along with the revised corrective action required to obtain the CBO's approval.	Koser	< 5d of notification		
644	CEC		x	x	COMPLIANCE-1	Unrestricted Access	Provide CEC staff and delegate agencies or consultants unrestricted access to the power plant site.	NextEra			
645	CEC		x	x	COMPLIANCE-2	Compliance Record	The project owner shall maintain project files on-site.	Gavaldon to turn over hard copies to Ops on 3/31/14.			
646	CEC		x	x	COMPLIANCE-2	Compliance Record	Energy Commission staff and delegate agencies shall be given unrestricted access to the files.	Operations			
647	CEC	x	x	x	COMPLIANCE-3	Compliance Verification Submittals	The project owner is responsible for the delivery and content of all verification submittals to the CPM, whether such condition was satisfied by work performed or the project owner or his agent.	NextEra			
652	CEC	x	x	x	COMPLIANCE-8	Confidential Information	Submit confidential information to CEC Executive Director with a request for confidentiality.	Gavaldon	Ongoing		
655	CEC		x		COMPLIANCE-11	Unplanned Permanent Facility Closure	Submit an on-site contingency plan.	McCord	> 90d of CPM determination		
656	CEC		x		COMPLIANCE-12	Unplanned Permanent Facility Closure	In the event of an unplanned permanent closure, notify agencies take all necessary steps to implement the on-site contingency plan.	Gavaldon	< 24 hrs of closure		

### Master Matrix

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status
657	CEC	x	x	x	COMPLIANCE-13	Post Certification Changes to the Decision	Petition the Energy Commission to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility.	NextEra	Ongoing		

**Appendix A**  
**Equipment List and Rating**

**AQ-SC5**

**Diesel Engine Emissions Monitoring and Reporting**

Genesis Solar Energy Project  
PMI Over 50hp Diesel Equipment List

12/20/2013

Equipment Type	Brand/Model	CA ARB Registration Number	Expiration Date	Vehicle Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demob. Date	Notes
Crawler Crane	Manitowoc 2250	UNG6D38	N/A	2251135	2001	450	II	Dielco Crane	N/A	7/2/12	8/16/13	Off Rent
Rough Terrain Crane	Link-Belt RTC 8090	HG4A49	N/A	N4J91247	2009	235	III	Dielco Crane	N/A	7/2/12	6/28/13	Off Rent
Rough Terrain Crane	Link-Belt RTC 8090	SX8S46	N/A	N4J79629	2007	275	III	Dielco Crane	N/A	8/17/12	9/6/13	Off Rent
Rough Terrain Crane	Grove RT 875E	WS9Y85	N/A	226419	2007	240	III	Dielco Crane	N/A	9/24/12	8/30/13	Off Rent
8000# Fork Lift	SKYTRK/8042	TA7K46		849621	2012	110	IIII	PMI	United	6/25/12	10/11/13	Off Rent
JLG Model 600 Lift	JLG/600A	MT8P58		10049251	2012	49	IIII	PMI	United	6/25/12	9/17/13	Off Rent
Generator 70-84kva	MQ / DC70SSIU2C	151845		1160351	2010	125	III	PMI	United	7/27/12	10/22/13	Off Rent
Generator 45-49-kva	MQ / DC45	152309		1165478	2010	69	IIII	PMI	United	7/3/12	10/30/13	Off Rent
10000# Fork Lift	Gradall	PK4G83	NONE	GTH1006A-9236	2006	115	II	PMI	United	8/13/12	9/7/12	Returned, not used
9000# Fork Lift	Gradall	RM4R53	NONE	160027849	2007	115	II	PMI	United	8/14/12	8/27/12	Returned, not used
80 foot boom lift	JLG800AJ	MG9W35	NONE	11152570	2011	62	4	PMI	Ahern	8/20/12	11/16/12	Off Rent
12000# Fork lift	XRM1254	FC6P67	NONE	XRM1254050790428	2007	108	III	PMI	Ahern	8/24/12	9/23/13	Off Rent
30K fork lift	Cat/DP150			6dpn208	2005	129	II	PMI	United	8/20/12	9/11/12	Returned, not used
Yard Goat	Ottawa	DA5H53		327393	2011	160	III	PMI	United	8/22/12	6/7/13	Off Rent
Generator	Magnum/MMG100	None	NONE	PE4045LO15137	2007	122	III	PMI	Ahern	8/29/12	11/15/13	Off Rent
34K Fork Lift	HYSTER	VT5C39		G019E02568H	2011	155	III	PMI	United	9/11/12	8/23/13	Off Rent
10000# Fork Lift	JLG	DY9H37	NONE	1060047242	2012	125	4	PMI	United	9/7/12	10/31/13	Off Rent
10000# Fork Lift	SKYTRK	TN3R65		160041049	2011	125	III	PMI	United	8/7/12	9/26/12	Off Rent
10000# Forklift	Gehl/DL11-55	PK5G37	None	DL1155HJD0741530	2012	115	4	PMI	KING EQUIP	9/7/12	11/20/13	Off Rent
60' Articulating Boom	Genie/Z60	XY3W75	None	Z60089175	2008	49	4	PMI	KING EQUIP	9/7/12	8/21/13	Off Rent
80' Articulating Boom	Genie/Z80-60	HT9R54	None	Z80123612	2012	74	4	PMI	KING EQUIP	9/10/12	8/21/13	Off Rent
12000K Fork Lift	Gehl/DL12 IT4	FA3W69	NONE	DL1240HJD0850934	2012	115	4	PMI	KING EQUIP	9/27/12	9/23/13	Off Rent
10000# Fork Lift	SKYTRK	RM6K98	NONE	160044131	2011	125	III	PMI	United	9/26/12		
65kva Generator	MMD PowerPro65	158401	5/31/2015	1478810280	2011	97.9	III	PMI	Red-D-Arc	10/11/12	10/19/13	Off Rent
65kva Generator	MMD PowerPro65	158402	5/31/2015	1478810284	2011	97.9	III	PMI	Red-D-Arc	10/11/12	10/19/13	Off Rent
45 kw gen (70)	multiquip	151846	NONE	1351373	2010	125	III	PMI	united	10/9/12	11/3/13	Off Rent
385 CFM compressor	Atlas Capco		NONE	PE404HF285	2011	125	III	PMI	KING EQUIP	10/16/12	8/21/13	Off Rent
375 CFM compressor	Atlas Capco	142869	NONE	PE4045H660408	2010	124	III	PMI	Ahern	10/17/12	9/27/13	Off Rent
Carry Deck	Shuttle Lift 7755	XG3T33	N/A	321016	2009	130	III	Dielco Crane	N/A	11/13/12	11/12/13	Off Rent
10000# Fork Lift	JLG	JB7W49	none	160049525	2012	130	IIII	PMI	United	12/10/12	11/14/13	Off Rent
Rough Terrain Crane	Link-Belt RTC 8080	UA6D49	N/A	N4K33223	2012	260	IIII	Dielco Crane	N/A	12/17/12	6/28/13	Off Rent
100 kva Generator	Deere		N/A	PE6068L015079	2007	216	III	PMI	United	12/21/12	10/17/02	Off Rent
10000# Forklift	Gehl/DL11-55	XB7G76	NONE	DL1155HJD0941566	2012	115	4	PMI	KING EQUIP	1/28/13	11/19/13	Off Rent
10000# Forklift	JCB	BJCBL04	NONE	SF320/40436U1060812	2012	85	4	PMI	United	2/4/13	11/4/13	Off Rent
Rough Terrain Crane	Grove RT 890E	PE4V47	N/A	230418	2008	275	III	Dielco Crane	N/A	2/12/13	9/20/13	Off Rent
Rough Terrain Crane	Link-Belt RTC 8090	WD7557	N/A	N4K33407	2013	275	IIII	Dielco Crane	N/A	3/5/13	9/20/13	Off Rent
125' Boom Lift	Genie/S125	SW4J67	None	S12512D-164	2012	74	T4i	PMI	KING EQUIP	3/11/13	3/28/13	Off Rent
45 kw gen (70)	magnum	131912	none	63141	2008	80	III	pmi	united	3/21/13	11/4/13	Off Rent
Truck Crane	American 8460	PT6R97	N/A	8109A02840	2008	365	III	Dielco Crane	N/A	3/26/13	9/28/13	Off Rent
Truck Crane					2012	425	IIII	Dielco Crane	N/A	3/26/13	9/28/13	Off Rent
70 KVA Generator	Himoinsa/HRJW75	159075	7/31/2015	121000547	2012	99	III	PMI	Hertz	3/27/13	11/15/13	Off Rent



# Genesis Solar Energy Project

## BPC Master Equipment List

Equipment Type	Equip Number	Brand /Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
56kw Diesel Generator	386940	MQ POWER	N/A	N/A	8802129	2011	90	3	BPC	Quinn CAT	4/9/2012	11/20/2013	
10k skytrac	510424	SKYTRAK	BH4V73	N/A	160049877	2011	110	3	BPC	Sunbelt	9/17/2013	11/20/2013	
04 Kenworth T800 Water Truck	213015	Kenworth	8N99354	8/13/0000	1NKDLU0XX4R052569	2003	375	3	BPC	ARB, Inc	N/A	11/20/2013	
International Tractor	201073	International	N/A	N/A	N/A	2006	245	3	BPC	ARB, Inc	7/3/2013	12/5/2013	
10k 55' Boom Forklift	381625	SKYTRAK	TW7C45	N/A	0160035842	2008	110	3	BPC	Sunbelt	4/25/2012	11/21/2013	
10k 55' Boom Forklift	381627	SKYTRAK	VR8X43	N/A	0160035426	2008	110	3	BPC	Sunbelt	9/17/2013	12/5/2013	
30-33' RT Scissor Lift	246822	JLG	N/A	N/A	gs9006-43728	N/A	82	3	BPC	Sunbelt	9/18/2013	11/21/2013	
30-33' RT Scissor Lift	243032	JLG	N/A	N/A	0200188034	N/A	82	3	BPC	Sunbelt	11/1/2012	11/20/2013	
30-33' RT Scissor Lift	246878	JLG	N/A	N/A	0200190901	N/A	82	3	BPC	Sunbelt	12/6/2012	11/21/2013	
30-33' RT Scissor Lift	247845	JLG	N/A	N/A	0200191464	N/A	82	3	BPC	Sunbelt	1/8/2013	11/22/2013	
30-33' RT Scissor Lift	249299	JLG	N/A	N/A	0200191618	N/A	82	3	BPC	Sunbelt	10/11/2012	11/22/2013	
56KW Generator	467644	MQ POWER	N/A	N/A	8802310	2011	90	3	BPC	Sunbelt	10/10/2012	11/22/2013	
Miller Pro 300 Welder	RLF2374	Miller	N/A	N/A	yd-mm480160	N/A	20.2	4	BPC	ARB, Inc	12/17/2012	11/22/2013	
Miller Pro 300 Welder	RLF2398	Miller	N/A	N/A	yd-mm500024	N/A	20.2	4	BPC	ARB, Inc	1/10/2013	11/22/2013	
Miller Pro 300 Welder	RLF2404	Miller	N/A	N/A	yd-mm500019	N/A	20.2	4	BPC	ARB, Inc	1/14/2013	11/22/2013	
Miller Pro 300 Welder	RLF2408	Miller	N/A	N/A	yd-mm500028	N/A	20.2	4	BPC	ARB, Inc	1/14/2013	11/22/2013	
Peterbuilt T800 Water Truck	213020	Peterbuilt	N/A	N/A	1nplt0x95d862426	2003	375	3	BPC	ARB, Inc	11/19/2012	11/20/2013	
10k 55' Boom Forklift	454967	SKYTRAK	XB3W68	NA	0160046153	2012	100	4I	BPC	Sunbelt	8/28/2012	11/20/2013	

**Genesis Solar Energy Project  
Sukut Master Equipment List**

Equipment Type	Brand /Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
Drive Engine	CAT C7 Acert	148483	8/31/2013	NA	NA	NA	III	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Drive Engine	CAT C7 Acert	148484	8/31/2013	NA	NA	NA	III	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Air Compressor	Atlas Copco	152484	8/31/2013	JPEC-0005	NA	NA	III	SouthWest Drilling	CAT/Johnson	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Engine	DDC Diesel	130415	3/31/2014	NA	NA	NA	III	SouthWest Drilling	ARB Portable Equipment	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Sweeper	Broce Broom	VH3U58	NA	807664	2010	84	III	Sukut	RSC	(Recorded 9/20/2011)		
Dozer	CAT 834B	CS8P98	NA	34-07	2007	475	III	Sukut	Sukut	9/19/2011	3/22/2012	
Dozer	CAT 824C	YA9K67	NA	24-12	2007	354	III	Sukut	Sukut	9/29/2011	8/2/2013	
Motor Grader	CAT 16G	SC5M77	NA	2801-16	2009	297	III	Sukut	Sukut	10/6/2011	8/2/2013	
Scraper	CAT 657	PC8Y97/HB3 G78	NA	57-21	2007	600	III	Sukut	Sukut	(Recorded 9/20/2011)	4/9/2012	Removed from site
Backhoe	CAT 692	KK7C43	NA	430-D	NA	NA	III	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Motor Grader	CAT 140H	UN7F66	NA	4068	NA	NA	III	Sukut	Miller Blades	(Recorded 9/20/2011)	9/23/2011	Removed from site.
Scraper	CAT 657	TH4G47/UK3 K99	NA	57-22	2010	440	III	Sukut	Sukut	9/28/2011	4/20/2012	Removed from site
Scraper	CAT 657	XK3J33/GP8T 95	NA	57-60	2007	440	III	Sukut	Sukut	9/28/2011	4/11/2012	Removed from site
Scraper	CAT 657	DF9C83/DG6 M34	NA	57-66	2006	600	III	Sukut	Sukut	9/28/2011	4/12/2012	Removed from site
Scraper	CAT 657	VT6M63/FJ6T 95	NA	57-63	2006	440	III	Sukut	Sukut	9/29/2011	4/20/2012	Removed from site
Scraper	CAT 657	RX8U86/NP6 Y75	NA	57-33	2007	440	III	Sukut	Sukut	9/29/2011	4/10/2012	Removed from site
Scraper	CAT 657	AF3R99/AN5 G44	NA	57-28	2010	440	III	Sukut	Sukut	9/30/2011	4/13/2012	Removed from site
Scraper	CAT 657	CWSY75/GJ9 T48	NA	57-29	2010	440	III	Sukut	Sukut	10/4/2011	4/10/2012	Removed from site
Scraper	CAT 657	KG5B54/SG3 N43	NA	57-64	2010	440	III	Sukut	Sukut	10/4/2011	7/26/2013	
Water Wagon	CAT 651	CF4M43	NA	51-83	2006	540	III	Sukut	Sukut	9/29/2011	4/4/2012	
Skiploader	John Deere	NA	NA	NA	NA	NA	III	Sukut	Sukut	9/19/2011	9/28/2011	Used less than 10 days onsite.
Skiploader	CAT 414E	HFSK47	NA	NA	2007	93	III	Sukut	Johnson	7/25/2013		
Skiploader	CAT 414E	AR9L48	NA	NA	2007	93	III	Sukut	Johnson	8/2/2013		
Backhoe	CAT 420F	SU4H75			2010	92	III	Sukut	Johnson	8/5/2013		
Scraper	CAT 623	XE5H67	NA	NA	1985	350	III	Sukut	Sukut	9/28/2011		
Motor Grader 16G	CAT 16G	HK8W79	NA	NA	2009	298	III	Sukut	Miller Blades	9/19/2011	8/2/2013	
Dozer	CAT D9T	EV5K99	NA	90-34	2005	410	III	Sukut	Sukut	9/28/2011	3/8/2012	
Skiploader	CAT 414E	CL7M35	NA	NA	2007	78	III	Sukut	Sukut	9/27/2011	10/7/2011	Removed from site
Generator	Atlas Copco QAS-30	645888	NA	645888	NA	NA	NA	Sukut	RSC	(Recorded 9/20/2011)	10/1/2011	Removed from site
Generator	Airman -SDG60S	1473A20166	NA	689	NA	NA	NA	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	Removed from site

**Genesis Solar Energy Project  
Sukut Master Equipment List**

Equipment Type	Brand /Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
Generator	Kohler 400 Kw	138194	5/31/2013	403015	NA	99	III	Sukut	Kohler Rental	(Recorded 9/20/2011)		WI Lic. Plate 555501
Generator	MQ Power	147014	3/31/2012	1101821	NA	NA	III	SouthWest Drilling	United Rentals	(Recorded 9/20/2011)	10/1/2011	Removed from site
Generator	NA	148485	8/31/2013	NA	NA	NA	III	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	removed from site
Generator	Kohler 400 Kw	138189	5/31/2013	403010	NA	99	III	Sukut	RSC	10/1/2011		
Generator	MQ Power 400 Kw	143594	5/31/2014	2263	NA	NA	III	Sukut	RSC	10/11/2011	1/30/2012	
Motor Grader	CAT 140H	LI6V63	NA	NA	NA	NA	III	Sukut	Miller Blades	10/17/2011	10/24/2011	
Scraper	CAT 613	FW6W46	NA	NA	NA	NA	III	Sukut	Miller Blades	10/17/2011	11/14/2011	
Backhoe	CAT 420E	GH8F30	NA	NA	NA	NA	III	Sukut	United Rentals	10/12/2011	8/2/2013	
Roller	BOMAG 177D	HV4A78	NA	NA	NA	NA	III	Sukut	United Rentals	10/20/2011	10/21/2011	
Motor Grader	CAT 16G	VX6L67	NA	NA	NA	NA	III	Sukut	Miller Blades	10/25/2011	8/2/2013	
Scraper	CAT 657	WN3G47/TP5 D95	NA	57-59	NA	440	III	Sukut	Sukut	10/25/2011	8/2/2013	
Scraper	CAT 657	VR9W59/DU 7M84	NA	57-41	NA	440	III	Sukut	Sukut	10/28/2011	8/2/2013	
Scraper	CAT 657	XG9N34/NY8 599	NA	57-40	NA	440	III	Sukut	Sukut	11/3/2011	4/10/2012	
Scraper	CAT 657	NX6E67/XF4 H83	NA	57-56	NA	440	III	Sukut	Sukut	11/3/2011	4/10/2012	
Skiploader	CAT 414E	KF6F93	NA	NA	2007	78	III	Sukut	Sukut	11/3/2011		
Water Pull	CAT	EINUN7B76	NA	NA	NA	NA	III	Sukut	Sukut	11/4/2011		
Scraper	CAT 657	LK5B78/PP9G 75	NA	57-41	NA	440	III	Sukut	Ren Trac	11/9/2011	4/12/2012	
Scraper	CAT 657	GW6L96/PG6 J43	NA	1265	NA	440	III	Sukut	Rent Trac	1/9/2012	8/16/2013	
Scraper	CAT 657	TP8386/4F55 38	NA	1257	NA	440	III	Sukut	Rent Trac	1/9/2012	8/16/2013	
Scraper	CAT 657	GT4449/T4G N36	NA	1229	NA	440	III	Sukut	Rent Trac	1/10/2012	8/22/2013	
Scraper	CAT 657	PD6T47/TM7 F56	NA	1248	NA	440	III	Sukut	Rent Trac	1/10/2012	8/1/2013	
Scraper	CAT 657	XC3E93/VX8L 63	NA	1355	NA	440	III	Sukut	Rent Trac	1/11/2012	8/22/2013	
Generator	70 Kw	140035	NA	701672	NA	NA	III	Sukut	RSC	11/15/2011	1/13/2012	
Motor Grader	CAT 140	TY7U66	NA	NA	209	185	III	Sukut	Johnson	8/22/2013		
Forklift	Hyster H360 HD	BE3X94	NA	NA	2010	55	III	Sukut	Johnson	8/22/2013		
Forklift	Skytrack JLG	NL5346	NA	NA	NA	NA	NA	Sukut	RSC	11/10/2011	3/26/2012	
Backhoe	JD 310	XK3X55	NA	NA	NA	NA	III	Sukut	RSC	11/30/2011	1/13/2012	
Skiploader	JD 210	NA	NA	NA	NA	NA	III	Sukut	RSC	11/12/2011	3/5/2012	
Water Wagon	CAT 651	FRX8T76/R43 TG49	NA	37-05	NA	NA	III	Sukut	Sukut	1/3/2012	4/6/2012	
Generator	500 Kw	139957	8/31/2013	55-500	NA	NA	III	Sukut	RSC	1/3/2012		



**Genesis Solar Energy Project  
Sukut Master Equipment List**

Equipment Type	Brand /Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
Scraper	CAT 623	SF9V87	NA	1	2007	330	III	Sukut	Miller Blades	1/16/2012		

**Appendix B**

**Biological and Botany Reports**

**BIO-8: Impact Avoidance and Minimization Measures**

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

**GENESIS SOLAR ENERGY PROJECT  
BIOLOGICAL RESOURCES  
MONTHLY COMPLIANCE REPORT  
FOR DECEMBER 2013**



***Prepared for:***

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December 2013



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## INTRODUCTION

AECOM biologists are performing biological resource construction monitoring for the Genesis Solar Energy Project (Project or GSEP) on behalf of Genesis Solar, LLC. The GSEP construction activities are currently focused on the Plant Site (approximately 1,727 acres), Access Road Improvements, Emergency Crossing Improvements, Isolation Panel and spoils redistribution were other activities during the month of December. Monitoring of these facility areas are being conducted in compliance with the following agency approvals and permits issued for the Project.

- California Energy Commission's (CEC's) Final Conditions of Certification (COCs) (Genesis Solar Energy Project Final Decision, CEC-800-2010-011-CMF, 09-AFC-8 September 2010)
- Genesis Solar Energy Project Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP, Docket Number 09-AFC-8, January 2011) and appended Compliance Plans:
  - Weed Management Plan (Appendix C.1 of BRMIMP)
  - Revegetation Plan (Appendix C.2 of BRMIMP)
  - Couch's Spadefoot Toad Protection and Mitigation Plan (Appendix C.3 of BRMIMP)
  - Desert Tortoise Translocation Plan (Appendix C.4 of BRMIMP)
  - Burrowing Owl Relocation and Mitigation Plan (Appendix C.5 of BRMIMP)
  - Golden Eagle Monitoring and Management Plan (Appendix C.7 of BRMIMP)
  - Common Raven Monitoring, Management, and Control Plan (Appendix C.8 of BRMIMP)
- U.S. Fish and Wildlife Service (USFWS) Section 7 Biological Opinion (BO) on the Genesis Solar Energy Project No. FWS-ERIV-08B0060-10F0878 (November 2, 2010)
- Bureau of Land Management (BLM) Right of Way (ROW) Grant, Serial Number CACA-048880 (November 30, 2010)
- Record of Decision (ROD for the Genesis Solar Energy Project and Amendment to the California Desert Conservation Area Plan, October 2010)

This report documents compliance monitoring activities conducted in December 2013. The following biological surveys and monitoring took place in December 2013:

- Weekly reconnaissance for ravens, focusing on potential subsidies; and, daily recording of raven sightings.
- Biological monitoring of the Plant Site, Access Road, Emergency Crossing Improvements, Isolation Panel and spoils redistribution.
- Monthly Evaporation Pond Monitoring (BIO – 21).

Wildlife species observed and photos taken during these activities are provided in Attachment 2 and Attachment 3, respectively.

## **PROJECT LOCATION AND DESCRIPTION**

The Project site is located in the Riverside County, California between the community of Desert Center and the city of Blythe. The Project is located on land owned by the federal government and managed by the BLM, pursuant to an ROW grant issued to Genesis Solar from BLM and the power plant certification issued by CEC. The total Project Disturbance Area (at build out) will be approximately 1,819.5 acres.

The Project is a concentrated solar electric generating facility that will use parabolic trough technology to generate electricity. The Project consists of two independent concentrated solar electric generating facilities with a nominal net electrical output of 125 megawatts (MW) each, (Units 1 and 2), for a total net electrical output of 250 MW. The Plant Site includes the solar arrays, power blocks, power generating equipment, support facilities, and evaporation ponds. The Linear Facilities include a transmission line, distribution line, natural gas pipeline, fiber line and a main access road.

## **MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS**

Biological mitigation measures for the GSEP site were developed through consultation with CEC, the California Department of Fish and Wildlife (CDFW), USFWS, and BLM. Biological mitigation measures and permit conditions were implemented under the guidance and direction of the Project Designated Biologist (DB), with assistance from approved Biological Monitors (BMs), as required.

During December 2013, Project activities were in compliance with the COCs that apply to the construction activities.



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## SUMMARY OF ACTIVITIES

Weekly activities for the month consisted of:

- General Construction Monitoring
  - Monitored Plant Site – General site activities including Powerblock One construction, Powerblock Two activation, general site grading, piping and, laydown yard activities. All Plant Site construction activities occurred within the desert tortoise (DT) exclusion fencing. There was fox sign observed onsite, including video images, prints, and digs. The fox appears to be habituating an unknown location on site. Attempts to identify ingress and egress points for the fox are being made and there has been an emphasis made on gate closures. No other special status species sightings were observed on site during the month of December. The temporary exclusion 6’ high chain link fence installed in February 2013 around a pipe laydown to discourage fox use was removed. Unit 1 mirror fields were monitored on an incidental basis as part of general site monitoring. Bird injuries and mortalities were reported and the information for each incident is summarized in Attachment 4. No DT, American badger (AB), Couch’s spadefoot toad (CST), or nesting birds were detected during monitoring on site. Variance approved night time work continued on site. A biologist is not required to be on site during night time construction but is required to be on-call. Litter and uncovered dumpsters were brought to the attention of the compliance team and efforts were made to properly cover dumpsters and remove litter.
  - Monitored the Access Road for roadkill and vehicle compliance. Roadkill was removed from the road and disposed of in accordance with agency approved methods (i.e., burial). The majority of plant traffic obeyed speed limits during December 2013. Speeding vehicles, if observed, were reported to the Environmental Compliance Manager and/or construction managers. Drivers observed speeding were held accountable by contractors. Vehicle speed and speed limits were discussed with contract personnel to reinforce compliance. Daytime and nighttime speed limits were adjusted and continue to be in effect (Genesis (09-AFC-08) GSEP PMI Night Work, VIS-2/BIO-8, CPM approval). The daytime (06:30 to 17:00) paved access road speed limit is 45 MPH. The nighttime (17:01 to 06:29) speed limit is 25 MPH. A one thousand foot, 24 hour 25 MPH zone established along the west end of the paved access road in the vicinity of active DKF dens is in effect. On all dirt

roads there is a maximum speed limit of 25 MPH. Cal Trans began dirt moving activities to allow completion of a drainage across the Access Road within the Cal Trans Right-of-Way. This activity is not being monitored by Project Biologists. Additional access road work included the completion of removal of dirt used to widen the Emergency Crossing for earlier large construction item deliveries and the placement of rip-rap along the eastern plant site access road. These activities were monitored by Project Biologists. No sensitive species were found during access road monitoring activities during the month of December.

- BMs monitored dust suppression activities and water activities that had potential to result in ponding water. These activities were monitored daily to verify that ponding water was minimized and that water was spread and mixed with soil to prevent raven and other predator attraction. Ponding water at water tanks was minimized by scheduled water tank pad maintenance. Following notification to agencies by the Genesis compliance team, water is at times discharged into the Heat Transfer Fluid (HTF) pit. The water is then pumped from the HTF pit to the evaporation ponds. Compliance team agreements with the agencies included the use of netting, flagging and pumps at the HTF pit to reduce potential impacts to wildlife. These agreements have been reviewed with the compliance team.
- In accordance with conditions, if reportable spills of significant materials occurred, contaminated soils from spills and drips were reported to DB and cleaned up. The contaminated soil associated with HTF will be disposed of in accordance with the conditions at the onsite bioremediation area. No reportable HTF leaks or contaminated soil were reported to the DB by management.
- During spoils redistribution outside of the fenced plant site, west of Unit 2 Block 3, HTF odor was noted in the soils. Management coordinated with the BLM representative regarding soil handling and testing.
- Evaporation Pond Monitoring
  - One day per month operational evaporation ponds are monitored. Monitoring for bird activity and mortalities is conducted for two hours in the morning, one hour mid-day, and two hours in the evening. The ponds are checked on a more frequent incidental basis for presence of general wildlife and need for repair. Areas requiring repair were identified and reported to compliance. HTF odors were noted coming from the ponds and reported to compliance.

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Follow-up is being handled by the Compliance team as part of their routine pond monitoring. No bird mortalities were discovered in December associated with the evaporation ponds; however, the carcasses from two prior bird mortalities (discussed in the October Monthly Compliance Report associated with evaporation pond netting) remain in place.

- Exclusion Fence Monitoring
  - The permanent tortoise exclusion fence was inspected on a weekly basis. Areas of required repair and maintenance were reported to compliance. The permanent fence with tortoise fencing and tortoise grates is intact and being used to exclude desert tortoise access to the site.
  - Removal of the temporary exclusion fence initiated in the month of September has not been completed and did not occur in the month of December.
- Raven Monitoring
  - Monitors recorded incidental raven observations and activities during general construction monitoring.
  - Biweekly point count surveys were conducted. The results from the raven surveys are reported below. Biweekly raven counts will continue throughout the construction phase. No raven nesting sites have been observed. Potential subsidies (i.e., possible nesting, ponded water, roadkill) were monitored per the Raven Plan.
- Monitoring of ESAs
  - All construction activities, with the exception of spoils redistribution, access road rip rap placement, isolation panel work, and dirt removal at emergency crossing (channel D) occurred within the Plant Site.
  - All biological ESAs are outside of the tortoise exclusionary fencing. ESAs along access road are marked and appear to have been avoided.
- Special Status Species Surveys and Monitoring
  - DKF monitoring with wildlife cameras and radio telemetry was conducted on behalf of CDFW and BLM. This monitoring effort is in support of a CDFW and BLM study and is not part of the Project monitoring requirements. Therefore, data and information from these monitoring efforts are not reported further in the MCR.

## **SURVEY METHODS AND RESULTS**

Pre-construction surveys have been completed and the GSEP site is in the construction phase. Results of the transmission line, fiber optic line, gas line, and access road surveys are summarized upon completion and submitted to the agencies as required. No work requiring new surveys occurred outside the fence during December. All Genesis contractor work outside the fence was monitored and areas cleared for sensitive biological resources prior to construction. Special status species observations (e.g., nesting birds and potential DKF burrows) were reported to the resource agencies prior to construction activities to obtain concurrence on buffers and monitoring as required by the conditions. Surveys conducted during construction per the COCs are summarized below and include nesting birds (as-needed), raven monitoring, and golden eagle surveys as appropriate. Survey methods and results for activities conducted during December 2013 are summarized below.

### Raven Surveys

Raven observations were recorded daily during construction activities and were recorded on the Daily Monitoring Log. Monitoring focused on potential subsidies such as waste disposal areas and staged equipment. There were approximately 79 incidental raven sightings during 19 monitoring days. This represents a month-over-month increase<sup>1</sup> in incidental raven observations.

Formal raven monitoring in accordance with the COCs consisted of monthly and bi-weekly surveys per the Raven Plan. There are seven raven monitoring point locations (Attachment 1). Ravens recorded are within an 800m radius. 11 ravens were observed during surveys conducted on December 3, three ravens were observed during surveys conducted on December 16, and no ravens were observed during surveys conducted on December 30. Two ravens were observed during the previous monthly raven count surveys.

One raven nest was detected outside of the plant site within the transmission line survey boundaries during May 2013 and is being monitored by the DB and/or BMs for sign of DT predation per the Raven Monitoring, Management, and Control Plan. It is approximately 10 miles east of the Plant Site. The nest is no longer active and no DT remains were found beneath the nest.

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<sup>1</sup>There were approximately 71 incidental raven sightings in November 2013. As a note, incidental raven sightings do not provide an accurate assessment of raven population changes. They are incidental sightings only and do not represent independent sightings.

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### Avian Mortality Monitoring

Avian mortality monitoring is not required until the operations phase; however, incidental observations and reports to the DB and BMs of avian injuries and mortalities are recorded consistent with the Avian Protection Plan data collection requirements, and management of the incidents (mortalities and injuries) is coordinated with the both USFWS and CDFW. The data is recorded in a database using the USFWS format and is provided separately to the USFWS. A summary of bird injuries and mortalities detected during this reporting period is provided below. More details are provided in the Avian Database Output and Photos in Attachment 4.

<b>Date</b>	<b>Species</b>	<b>Location</b>
12/2/13	House Finch – Adult Female	Project building
12/10/13	Unknown	Road in Solar Field
12/18/13	Unknown	Road in Solar Field
12/20/13	White-crowned sparrow – Adult	Road along Transmission Line

### **WEED AND ESA MONITORING**

Necessary approvals are in place for treatment of invasive species with mechanical, manual, or chemical treatment methods. Any treatment conducted onsite will be conducted in accordance with the Weed Management Plan. Any herbicide application will be conducted in accordance with the approved Pesticide Use Proposal (PUP). If treatment with herbicides occurs onsite, a Pesticide Use Record (PAR) will be provided to the BLM within 24 hours of treatment.

It is understood that ESA monitoring by the Designated Botanist (Alice Karl) occurred weekly during construction activities. ESAs appear to have been avoided.

### **WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP)**

As required by COC BIO-6, all new employees/field staff reporting to the site must receive the Worker Environmental Awareness Program (WEAP) training prior to start of work. Permanent employees are also subject to annual WEAP training. All personnel reporting to the field in December received WEAP training. WEAP training records are maintained onsite by the site Environmental Compliance Manager.

## **GENERAL DAILY NOTES AND OBSERVATIONS**

Daily notes detailing compliance monitoring activities are provided in the forms attached (Attachments 3 and 4).

## **REFERENCES**

Not applicable during this reporting period.

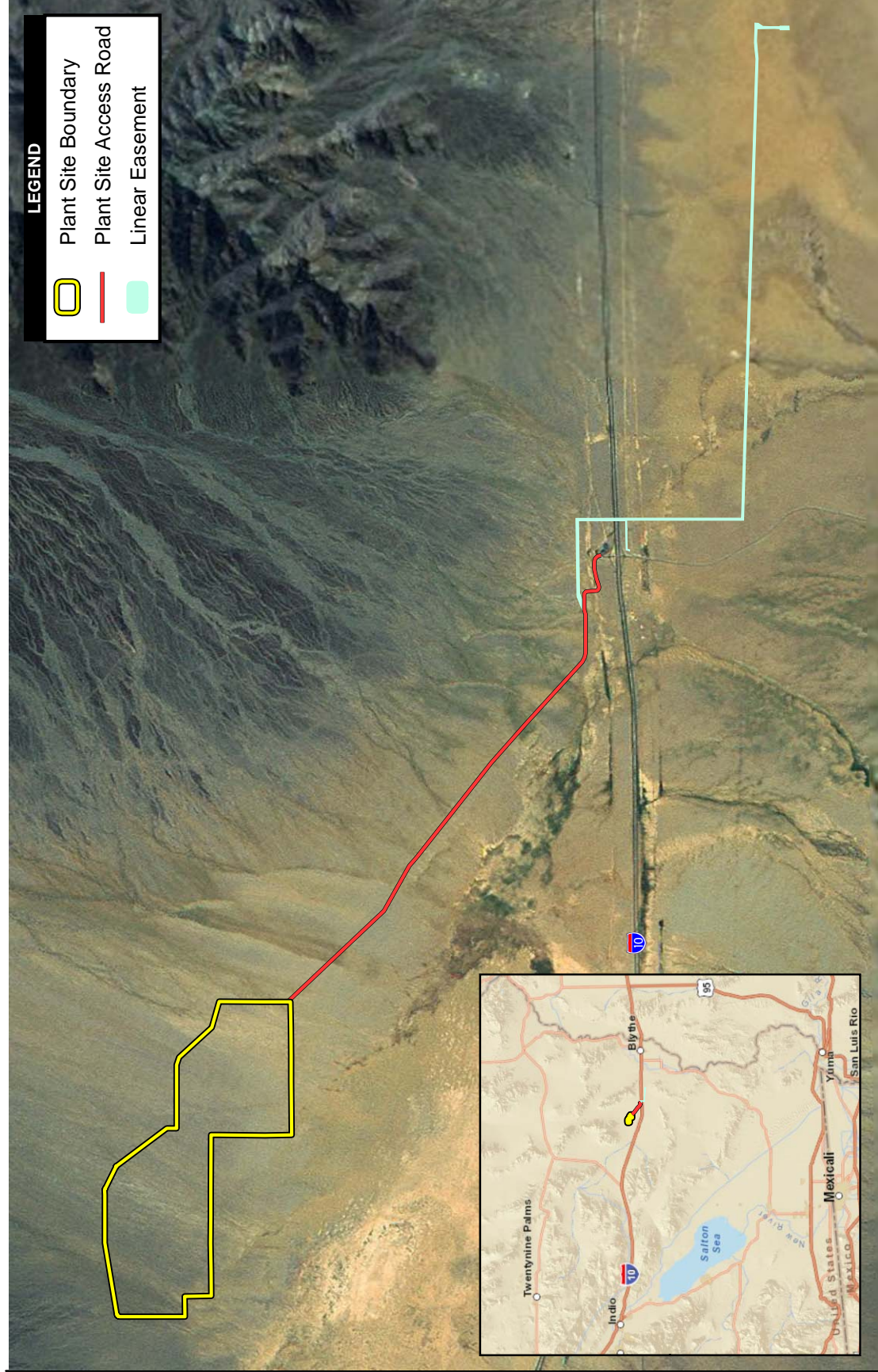


**ATTACHMENT 1**




**FIGURES**







**LEGEND**

-  Plant Site Boundary
-  Plant Site Access Road
-  Linear Easement

**Genesis Solar Energy Project  
Vicinity Map**

Path: P:\2011\60220713\06GIS6.3\_Layout\Bio\MCR\2013\01 - January\Project Site 20130131.mxd, 2/1/2013, irelandm

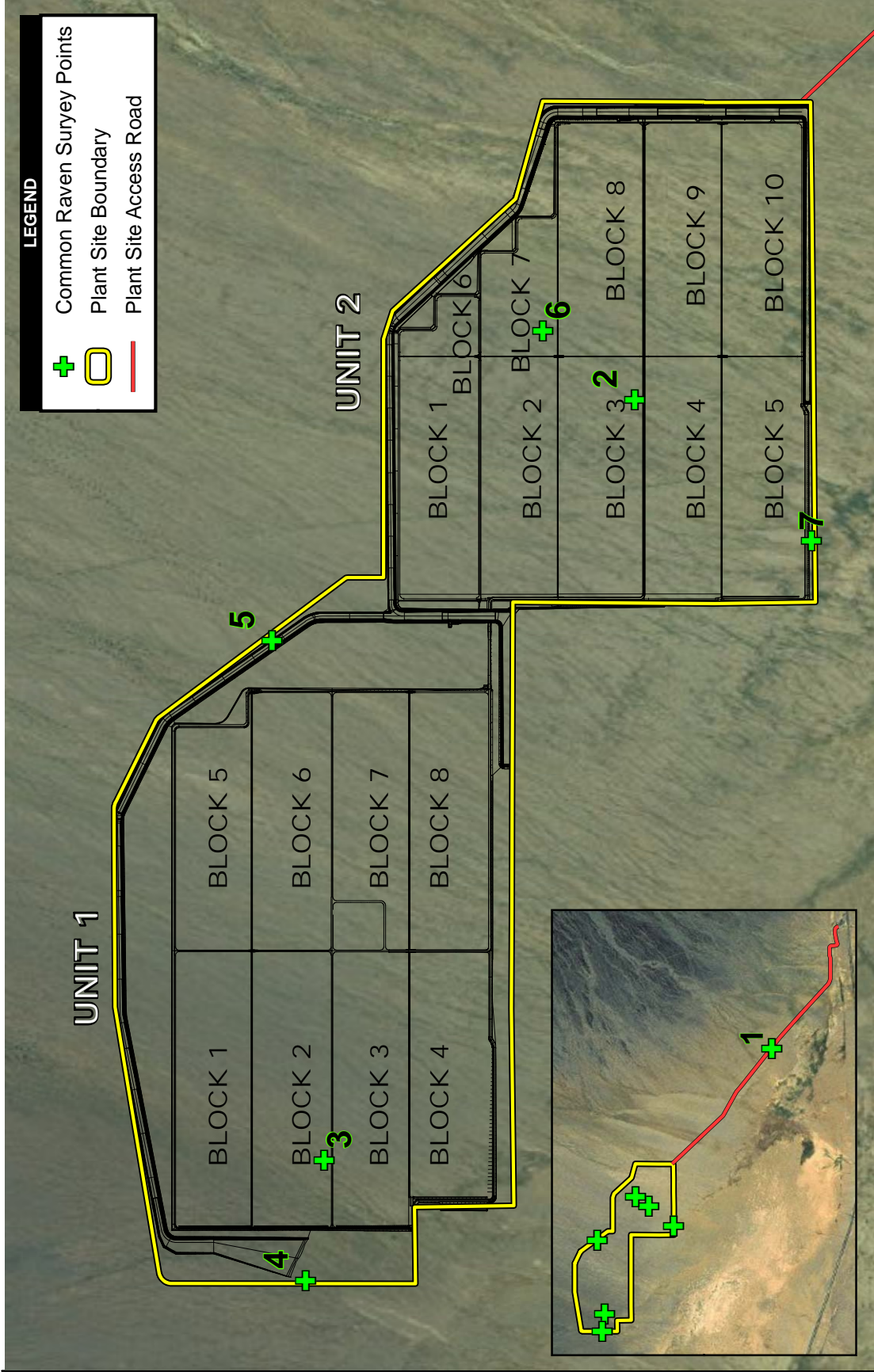
Source: GSEP 2012; AECOM 2012; +cubed 2010; ESRI 2012



Scale: 1:90,000; 1 inch = 7,500 feet



**Genesis Solar Energy Project**



**LEGEND**

- + Common Raven Survey Points
- Plant Site Boundary
- Plant Site Access Road

**Common Raven Survey Points**

Source: GSEP 2012; AECOM 2012; I-cubed 2010

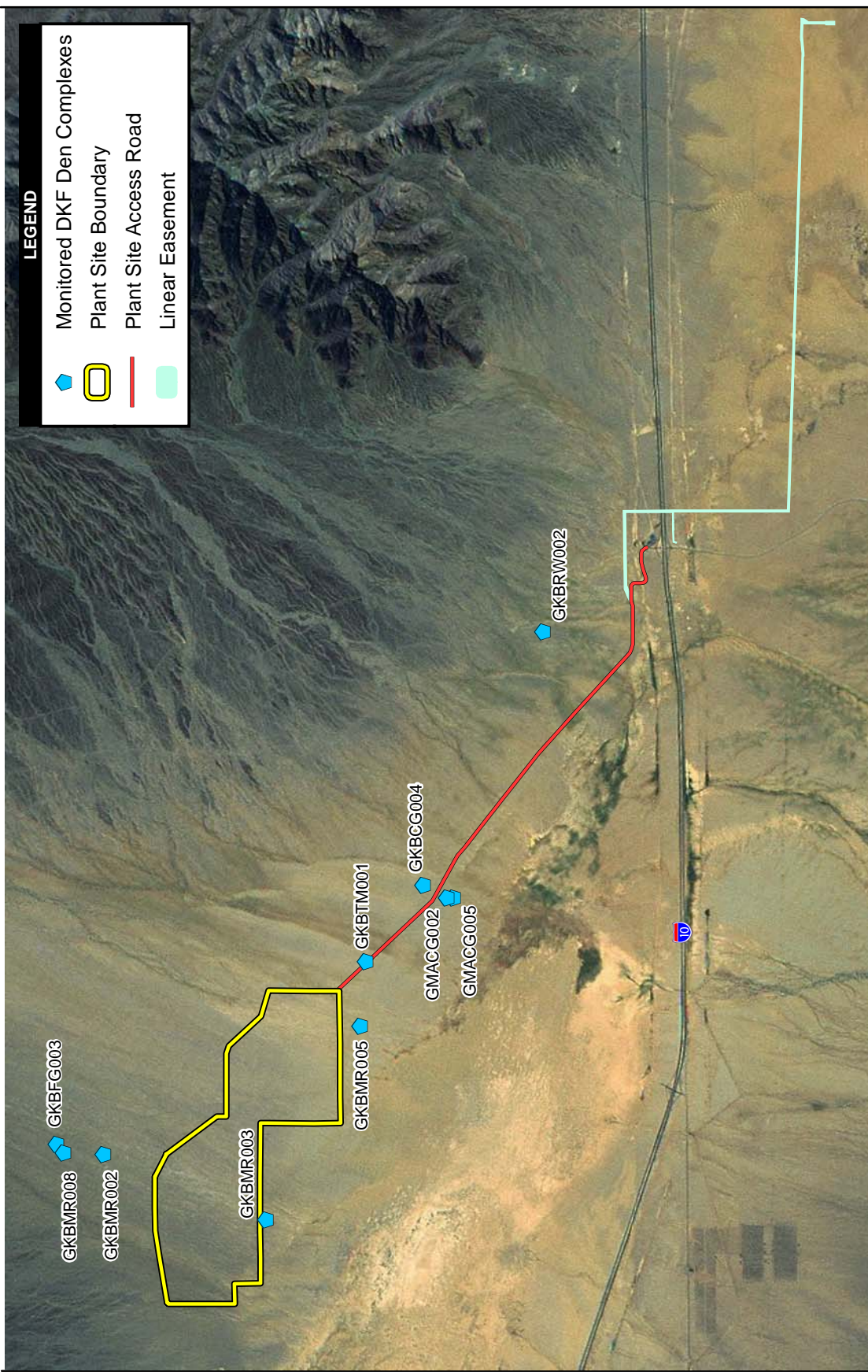


Scale: 1:24,000; 1 inch = 2,000 feet







**Genesis Solar Energy Project**

Path: P:\2011\60220713\66GIS6.3\_Layout\Bio\MCR\2012\3 - March\CORA Survey Points 20120412.mxd, 4/12/2012, irelandm



**LEGEND**

-  Monitored DKF Den Complexes
-  Plant Site Boundary
-  Plant Site Access Road
-  Linear Easement

Source: GSEP 2013; AECOM 2013; Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

7,500 0 7,500 Feet

Scale: 1:90,000; 1 inch = 7,500 feet



Genesis Solar Energy Project

**December 2013 DKF Den Complexes Monitored by Camera Stations and/or Periodic Biological Monitor Visits**

Path: P:\2011\60220713\06GIS\6.3\_Layout\Bio\MCR\2013\12 - Dec\DKF Camera Complexes 20131227.mxd, 12/27/2013, irelandm

**ATTACHMENT 2**

**SPECIES OBSERVED DURING DECEMBER  
SURVEYS AND MONITORING**



## SPECIES OBSERVED DURING DECEMBER SURVEYS AND MONITORING

### Animals:

Black-tailed Jackrabbit  
Desert kit fox

### Birds:

American avocet  
American kestrel  
Barn Owl  
Black Phoebe  
Bullock's Oriole  
California Gull  
Common Raven  
Gull (species)  
Horned Lark  
House Finch  
Loggerhead shrike  
Mallard  
Mourning dove  
Northern harrier  
Prairie falcon  
Red-tailed hawk  
Ring-billed Gull  
Rock wren  
Sage sparrow  
Say's phoebe  
Teal (species)  
Turkey vulture  
White-crowned Sparrow

### Reptiles:

Sidewinder





**ATTACHMENT 3**

**DAILY BIOLOGICAL MONITORING LOGS**



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/2/2013

Monitor: Eric German  
 Weather Conditions: Cloudy, Clouds: 70%, Pcp: None  
 High Temp (°F): 66 Low Temp (°F): 40

Start Time: 5:45:00 AM Stop Time: 3:45:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0545 and throughout day, monitor access road. 0600 attend jha with construction crew and orient bio to site. 0815 office. 0900 inspect evap ponds. No avian findings. 915 inspect north perimeter unit 1. Filled in previous fox digs to help determine fox presence and activity. 1300 investigate bird mortality. ACC PB1. Non-descript little brown bird. Possible female house finch. 1350 phone message to USFWS re: bird. 1400 meeting. 1430 replace camera card at NW corner unit 1. 1445 inspect fence damage SW corner unit 2. Tortoise fence intact. Still effective with excluding tortoise.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Discuss covering bins with compliance.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			Observed vehicles.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Service crossing dirt and drain pipe removal.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			4: 2 flying, 2 perched.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Report of DKF along access road in morning. Near plant site in 25 mph zone.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/2/2013

Monitor:     Matt Kedziora      
 Weather Conditions:     Partly Sunny, Clouds: 50%, Pcp: None      
 High Temp (°F):     70     Low Temp (°F):     45    

Start Time:     5:50:00 AM     Stop Time:     4:30:00 PM      
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

**Circle One:**      **Plant Site**       **Access Road**      **Gas Line**      **Transmission Line**       **Other (explain)**

**Activity Log:** 0550 tailboard. 0630 monitor dirt removal at first access bridge at main gate (old DT grate area).1000-1130 walk eastern channel in Unit 2, look at veg, hand pull Saharan mustard and small salt cedar.1200 remove live tarantulas from road and release offsite.1330 crew begins removal of pipe extensions following initial dirt removal.1630 end of day.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Cleared area prior to dirt removal outside fenced area, Unit 2 bridge
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?			X	N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2- 0735 and 0908 at monitor site
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

**Additional Notes:** Species encountered CORA, SAPH, RRHA, LOSH.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/3/2013

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 50%, Pcp: None  
 High Temp (°F): 75 Low Temp (°F): 48

Start Time: 5:45:00 AM Stop Time: 3:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0545 and throughout day, monitor access road. Removed and released one tarantula. 0600 attend contractor jha. 0620 clear area west of unit 2. No sensitive species findings. 0745 discussed htf odor from spoils being moved with management. Management feels that odor is non significant background odor but will have spoils tested after redistribution to confirm that dirt being moved is not still contaminated. 1000 inspect pb1 ACC inside structure. No avian findings. 1200 CORA point observations. 1330 inspect evaporation ponds. No new findings. 1430 inspect service crossing work area for sensitive wildlife. No findings.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Litter southern portion of unit 2 and unit 1.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			Observed vehicles.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			OTF west of unit 2.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			8: 4 competing for trash (flying), 4 flying
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** House finch, RTHA, prairie falcon, CORA.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/3/2013

Monitor: Matt Kedziora  
 Weather Conditions: Partly Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 75 Low Temp (°F): 48

Start Time: 5:55:00 AM Stop Time: 4:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

**Circle One:**
**Plant Site**
**Access Road**
**Gas Line**
**Transmission Line**
**Other (explain)**

**Activity Log:** 0615 clear area receiving dirt-west side of Unit 2. Paddle wheel excavator bringing dirt from inside fence and spreading along west side fence. 0730-end monitoring here due to smell from oil in soil, as directed by Eric.  
 0800-1200- DETO fence walk, both Units.  
 1230-1430- CORA surveys.  
 1430-1630- final clearing of soil laydown area, check in with soil work at access bridge at main entrance- no activity.

### Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			Cleared soil transfer site west of west-side fence in Unit 2
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			Conducted Unit 1 and 2 fence walks today
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1045- (2) southern fence Unit 1, plus those observed during formal CORA surveys
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

**Additional Notes:** Species- PRFA, HOFI, CORA, HOLA, RTHA.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/4/2013

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 20%, Pcp: None  
 High Temp (°F): 55 Low Temp (°F): 53

Start Time: 7:45:00 PM Stop Time: 6:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0745 monitor access road. No mortalities found. 0815 inspect evaporation ponds. Noted netting loose puckering due to wind. 0830 report of dkf on site north unit 1 laydown. Investigated-fox not found. 1000 meeting. 1030 office. 1230 visual of fox unit 1. Left phone message with CDFW veterinarian. Gates opened and fox did not flush. Moved to NW laydown (boneyard). Left phone message with CDFW vet. Monitored until dark then closed gates. Could not determine egress.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up access road litter.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			Observed vehicles.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?			X	N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			3 flying.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** MODO

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/4/2013

Monitor: Matt Kedziora  
 Weather Conditions: Windy, Clouds: 25%, Pcp: None  
 High Temp (°F): 57 Low Temp (°F): 52

Start Time: 5:48:00 AM Stop Time: 4:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One: Plant Site Access Road Gas Line Transmission Line Other (explain)

**Activity Log:** 0555 tailboard  
 0630- clear west of fence on west side of Unit 2; soil laydown fill  
 0730-0830- clear service access bridge soil work area prior to work, main gate  
 0830- receive Bug and Jitter on receiver- live ping  
 0911- change GKBCG005; batteries low  
 0925- crew now onsite at service Access Bridge soil work area  
 1015- change GMACG002; batteries 44%. Receive Honey on receiver- live ping  
 1038- 4 cora AR pole 36  
 1100-1130- look for Yentl  
 1130-1200- monitor service access bridge  
 1200- to office to download pics  
 1230-1530- work with Eric to attempt to flush fox from inside fence, Unit 1 north side  
 1530-1630- end day monitoring soil removal from service access bridge near main entrance

### Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			Cleared soil movement areas prior to work (1 at service access bridge at main gate, 1 at west side fence outside Unit 2)
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			4 perched at Access Road pole 38 at 1030
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species noted: HOLA, HOFI, AMKE, Fox, CORA



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/5/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 55 Low Temp (°F): 42

Start Time: 8:00:00 AM Stop Time: 4:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0800 inspect access road. 0830 report of DKF north unit 1 laydown. Fox seen and followed to west side of unit 1. Gates opened. Possible fox egress and gates closed. 1130 inspect evap ponds. One green winged teal?, one gull and 4 avocets seen. The teal was on the south pond netting. The others were to the south of ponds. 1230 report of DKF unit 1 block 8. 1400 meeting. 1430 office.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			Observed vehicles
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			3 flying
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** CORA, Gull, American Avocet, teal

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/5/2013

Monitor:  Matt Kedziora   
 Weather Conditions:  Sunny, Clouds: 0%, Pcp: None   
 High Temp (°F):  55  Low Temp (°F):  32

Start Time:  5:55:00 AM  Stop Time:  4:30:00 PM   
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0555- tailboard  
 0630- clear service access bridge dirt work area  
 0630-0830-monitor service access bridge dirt work area  
 0830-1100- try to find and push fox out gate in NW corner Unit 1 near boneyard; reported sighted again today by construction crew.  
 1100-1145- receive live ping for Flash at GKBMR002 and changed camera card  
 1200-1230- office to download card  
 1245-1400- monitor dirt work at service access bridge  
 1400-1500-organize camera and telemetry data  
 1500-1600-monitor dirt work at service access bridge

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Bridge dirt work area outside fence cleared prior to work
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?			X	N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1- 1030, Unit 1 SW side, 2 seen at bridge work area 1500
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

**Additional Notes:** Species seen- CORA, HOLA, MAKE, RTHA, LOSH, Barn owl, fox

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/6/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 55 Low Temp (°F): 41

Start Time: 7:45:00 AM Stop Time: 1:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0745 and throughout day inspect access road. No mortality findings. 0915 inspect evap ponds. 2 mallards noted on south pond netting. 1000 inspect unit 1. No new findings. 1100 office. 1200 discuss rock delivery and placement activity east of main bridge, channel d.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?		X		N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Noted that 2 uncovered dumpsters se pb2 have been removed.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			Observed vehicles.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Rock delivery
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.			X	N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Mallard duck

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/6/2013

Monitor:  Matt Kedziora   
 Weather Conditions:  Sunny, Clouds: 0%, Pcp: None   
 High Temp (°F):  57  Low Temp (°F):  32

Start Time:  5:55:00 AM  Stop Time:  2:30:00 PM   
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  Plant Site     Access Road     Gas Line     Transmission Line     Other (explain)

**Activity Log:** 0555-0615- tailboard  
 0630-0730-clear service access bridge  
 0730-0830- receive Stripe live ping at GKBMR003  
 0830-1000- check evaporation ponds, then check NW corner of Unit 1 for digging  
 1030- go to main access bridge, clear before Sukut receives load of rock, to be placed along paved access road, load arrives 1115  
 1200-1230- office to download camera card and return telemetry equipment  
 1230- return to main access road to wait for another load of rock

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Cleared service access bridge for final dirt removal cleanup AND prior to rock delivery and placement along road outside fence
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?			X	N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 flying 0730 main gate
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species seen- mallard, HOFI, RTHA, LOSH

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/9/2013

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 50 Low Temp (°F): 39

Start Time: 5:30:00 AM Stop Time: 3:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0530 and throughout day, monitor access road. 0600 attend contractor tailboard. 0630 clear area east of main bridge channel D for rock placement. No sensitive resources observed. 0700 monitor placement of rock rip rap east of main bridge. 0845 inspect evap ponds. Noted some htf odor. No other new findings. 1145 inspect laydowns north unit 1 for fox. 1245 office. 1400 meeting. 1430 escort compliance to fence maintenance locations.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		Reported to compliance.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Area east of main bridge, of, channel d.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 perched.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** American kestrel, LOSH.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/10/2013

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 5%, Pcp: None  
 High Temp (°F): 53 Low Temp (°F): 41

Start Time: 7:45:00 AM Stop Time: 2:45:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0745 and throughout day inspect access road. 0830 DKF telemetry throughout day.

### Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up access road litter.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 on fence.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:**    LOSH

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/10/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 55 Low Temp (°F): 32

Start Time: 6:00:00 AM Stop Time: 3:05:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0600-0615 attended construction crew tailboard meeting  
 0630-0700 checked evap ponds  
 0715-0900 walked unit 1 for DT fence inspection  
 0900-1500 monitored unit 1, fixed small gaps in DT fence, checked access road, replaced plywood on isolation panel

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two ravens observed on west boundary of unit 1
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Red tailed hawk  
 Kestrel  
 Loggerhead shrike  
 Tarantula  
 Sage sparrow  
 Raven  
 California gull

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/11/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 60 Low Temp (°F): 34

Start Time: 7:45:00 AM Stop Time: 2:45:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0745 and throughout day inspect access road. Picked up litter. 0830 inspect unit 1 for fox sign. 1000 meeting. 1130 search for missing fox. 1215 report of water leaking at evap pond fill pipe. Reported by compliance. 1330 office.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		Some vehicles appeared to be going faster than other vehicles on access road.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 flying
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Red-tailed Hawk. Bullock's Oriole mortality-salvaged from beneath acc pb2 and placed in freezer after contacting USFWS.



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/11/2013

Monitor: Ron Walker  
 Weather Conditions: Partly Sunny, Clouds: 25%, Pcp: None  
 High Temp (°F): 60 Low Temp (°F): 39

Start Time: 6:00:00 AM Stop Time: 5:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0600-0830 conducted monthly evaporation pond monitoring  
 0900-0945 monitored installation of bollards at emergency crossing  
 1000-1100 monitored/inspected unit 1  
 1100-1300 conducted evap pond monitoring  
 1300-1430 moved kit fox camera in NW unit 1  
 1430-1700 conducted monthly evap  
 Pond monitoring

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.			X	N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Ring-billed gull  
 Red tailed hawk  
 Loggerhead shrike  
 Kestrel  
 Rock wren

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/12/2013

Monitor: Eric German  
 Weather Conditions: Cloudy, Clouds: 50%, Pcp: None  
 High Temp (°F): 60 Low Temp (°F): 46

Start Time: 7:45:00 AM Stop Time: 2:45:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0745 and throughout day inspect access road. 0815 investigate fox digs unit 1. Placed pallets at north and NW gates to encourage fox to exit at locations (providing cover). 1000 unit 2 perimeter fence inspection. Noted litter still present at south unit 2 fence. 1145 inspect evap ponds. Htf odor noted could be from remediation area. Noted sheen on south pond water. No avian findings. Noted leak repaired from previous day still has small drip. 1215 inspect unit 1 laydowns and northern block areas for dkf. Fox not located. 1330 remove and release 1 tarantula.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Reported to compliance
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		Reports of speeding following layoff of group of employees. One jack rabbit mortality found on round following egress.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 perched on fence.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Prairie falcon. Northern harrier house finch. CORA

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/12/2013

Monitor: Ron Walker  
 Weather Conditions: Cloudy, Clouds: 90%, Pcp: None  
 High Temp (°F): 60 Low Temp (°F): 39

Start Time: 6:00:00 AM Stop Time: 4:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0610-0630 checked evaporation ponds  
 0700-0835 walked unit 2 for DT fence inspection  
 0900-1030 monitored installation of sign posts along access road  
 1110-1630 checked kit fox camera cards and set up kit fox camera

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Cleared areas for placement of sign posts on access road
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two ravens flying over unit 2 power block
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Red tailed hawk  
 Says phoebe  
 Black phoebe  
 Prairie falcon  
 Turkey vulture  
 Black tailed jackrabbit  
 Loggerhead shrike  
 American kestrel

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/13/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 65 Low Temp (°F): 43

Start Time: 7:45:00 AM Stop Time: 1:45:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0745 and throughout day inspect access road. 0845 inspect common area. Noted one raven at a dumpster. Flushed. 0915 inspect unit 1 for on-site dkf. Noted tracks inside fence in vditch. Also, noted environmental waste removal from storage locations. Clean up of contaminated soil at water treatment. Unit 1 block 5 row 1 htf clean up scheduled. 1130 placed wooden pallets proximate to gates NW unit 1 to provide change in structure to attract inside the fence wildlife.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?			X	Observed vehicles, appeared to follow speed limits.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	Construction activities inside fence.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 perched.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/13/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 65 Low Temp (°F): 43

Start Time: 6:00:00 AM Stop Time: 2:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0600-0615 attended construction crew tailboard meeting  
 0700-0800 checked evaporation ponds  
 0830-1000 worked on kit fox monitoring  
 1030-1400 monitored unit 1, completed fence checks, set up kit fox cameras, released unharmed captured snake south of project site

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			One raven perched on wooden power pole in common area
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Sidewinder  
 Red tailed hawk  
 Kestrel  
 Prairie falcon  
 Loggerhead shrike  
 Says phoebe

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/16/2013

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 15%, Pcp: None  
 High Temp (°F): 61 Low Temp (°F): 53

Start Time: 8:40:00 AM Stop Time: 10:45:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0900 inspect unit 1 perimeter. Opened NW gates for dkf egress. Noted litter along south inside fence, reported to compliance. 0945 inspect evap ponds. Noted colored discharge into north evap pond. No strong odors. Both grebe mortalities remain in place. 1045 off site.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?		X		Reported to compliance.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			Observed vehicles.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	Construction activities inside fence.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/16/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None  
 High Temp (°F): 72 Low Temp (°F): 42

Start Time: 6:00:00 AM Stop Time: 3:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0600-0615 attended construction crew tailboard meeting  
 0630-0700 checked evaporation ponds  
 0700-1045 conducted bi-weekly raven monitoring  
 1100-1130 checked on barn owl roost sites in unit 2

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two ravens perched on t-line pole along access road
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Red-tailed hawk  
 Kestrel  
 Loggerhead shrike  
 Say's phoebe  
 Rock wren  
 Raven  
 House finch

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/17/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 76 Low Temp (°F): 44

Start Time: 6:00:00 AM Stop Time: 4:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:     **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0600-0630 attended construction crew tailboard meeting  
 0630-0700 checked KF hole in NW unit 1  
 0700-0730 checked evaporation ponds  
 0800-1000 walked unit 2 for DT fence inspection  
1030-1600 conducted kit fox surveys

### Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two ravens flying over power block 1
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Red tailed hawk  
 Kestrel  
 Prairie falcon  
 Loggerhead shrike  
 House finch  
 Says phoebe  
 Ring billed gull  
 Horned lark



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/18/2013

Monitor: Eric German  
 Weather Conditions: Cloudy, Clouds: 80%, Pcp: None  
 High Temp (°F): 66 Low Temp (°F): 51

Start Time: 8:30:00 AM Stop Time: 4:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0830 and throughout day monitor access road. 0900 inspect guard install activities. Activities monitored. 0930 inspect unit 1. Noted two ravens, one red tail, and small group of sparrows. 1215 contacted public vehicle at access road. Informed driver of BLM road to north and east of guard shack. Informed management. 1315 inspect evaporation pond. Noted live gull perched. The two grebe mortalities remain in netting. No other avian findings. 1330 and throughout afternoon binocular scanned mirror rows in northern blocks for mortalities. One mortality ( bird parts) found. Terrace g/H row 48. 1340 noted foaming agent attached to fire water spray nozzles, labeled 3% buckeye platinum AFFF. 1350 investigated htf leak unit 1 F/E 43. 1440 phone message USFWS LE regarding wing of unknown bird, salvaged and placed in freezer.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			Public vehicle drove across right of way.
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			5, perching/foraging, 1 making auditory calls
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Gull species, sparrow species.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/18/2013

Monitor: Ron Walker  
 Weather Conditions: Cloudy, Clouds: 85%, Pcp: None  
 High Temp (°F): 72 Low Temp (°F): 46

Start Time: 6:00:00 AM Stop Time: 3:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0600-0615 attended construction crew tailboard meeting  
 0620-0720 installed temporary DT fence unit 2 SW corner  
 0730-1318 monitored installation of guard rails  
 1330-1540 walked unit 1 DT fence inspection

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			One raven perched on wind fence west side of unit 1
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Raven  
 Red-tailed hawk  
 Kestrel  
 Prairie falcon

Date & Time: Wed Dec 18 14:24:01 PST 2013

Position: 11 N 685322 3727961

Altitude: 373ft

Azimuth/Bearing: 342° N18W 6080mils (True)

Elevation Angle: -86.7°

Horizon Angle: +62.8°

Zoom: 1X

disarticulated bird remains u1 G/H row 48

12/18 14:15 66°  
 90% Clouds

11S 0685307 3727971  
 UNIT 1 G/H Row 48  
 20' from MIREAS



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/19/2013

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 56 Low Temp (°F): 51

Start Time: 5:45:00 AM Stop Time: 6:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0545 and throughout day, monitored access road. Traffic backed up behind my vehicle while I was driving-nighttime speed limit of 25. 0610 inspect north unit 1 for dkf. Noted prints at NW vehicle gates. Fox also seen on camera at NW vehicle gate. 0745 discuss plan of day with bio and confirm fence crew activities. 1230 discuss dkf with other project member. 1400 meeting. 1430 office. 1545 inspect evap ponds. No new findings. 1600 monitor area of known on site fox activity. Open gate and monitor for exodus. Fox not seen leaving. 1800 close gate.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Site is becoming cleaner.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		Reports of speeding by laid off workers.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			3: 2 flying , 1 perched.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Reports of kit fox along west end of access road between 0500 and 0600.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/19/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 65 Low Temp (°F): 45

Start Time: 6:00:00 AM Stop Time: 3:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0600-0615 attended construction crew tailboard safety meeting  
 0630-1100 monitored installation of guard rail along access road  
 1130-1430 conducted kit fox telemetry searches and downloaded wildlife camera cards

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			cleared area for guard rail installation
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.			X	N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/20/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 66 Low Temp (°F): 53

Start Time: 7:00:00 AM Stop Time: 2:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0700 report of vehicle strike along access road. Surveyed access road. Fox tracks noted. 1 bird mortality found near structure 34. 0800 and throughout day monitored access road. Removed avian mortality 0930. Contacted USFWS LE regarding mortality at 0950. 1015 inspect evap ponds. No new findings. 1130 inspect north unit 1 for dkf sign. No sign found. 1200 office.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			Observed vehicles.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			3 foraging and flying.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** White-crowned Sparrow.

Date & Time: Wed Dec 18 14:24:01 PST 2013

Position: 11 N 685322 3727961

Altitude: 373ft

Azimuth/Bearing: 342° N18W 6080mils (True)

Elevation Angle: -86.7°

Horizon Angle: +62.8°

Zoom: 1X

disarticulated bird remains u1 G/H row 48

12/18 14:15 66°  
 90% Clouds

11S 0685307 3727971  
 UNIT 1 G/H Row 48  
 20' from MIREAS



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/23/2013

Monitor:  Matt Kedziora   
 Weather Conditions:  Sunny, Clouds: 0%, Pcp: None   
 High Temp (°F):  77  Low Temp (°F):  38

Start Time:  7:00:00 AM  Stop Time:  3:05:00 PM   
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:      **Plant Site**      **Access Road**      **Gas Line**      **Transmission Line**      **Other (explain)**

**Activity Log:** 0700-0720- meet with Ron at Guard shack and discuss day  
 0730-0930- walk Unit 2 outside fence  
 0930-1100- walk SW half in Unit 1  
 1100-1145- look at evaporation ponds; same grebes noted in past in netting; no new birds present  
 1145-1300- look in NE channel Unit 2 for weed loads and for BUOWs  
 1300-1345- office  
 1345-1500- fix camera GKBMR002

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?			X	N/A
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?		X		Trash outside of fence accumulated, seen during external fence walk
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?			X	N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1106- (2) north of Unit 1- flying
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

**Additional Notes:** SPECIES- prairie falcon, rock wren, HOFI, says phoebe, LOSH



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/23/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 72 Low Temp (°F): 43

Start Time: 6:00:00 AM Stop Time: 3:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0600-0615 attended construction crew tailboard meeting  
 0615-0640 checked evaporation ponds  
 0700-0710 met Matt K at guard shack  
 0730-0917 conducted kit fox searches  
 0920-1050 walked half of unit 1, Matt walked other half  
 1115-1520 conducted kit fox searches, swapped out camera cards

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			Units 1 and 2 walked for DT fence inspection
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Three ravens flying around common area
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Red tailed hawk  
 Loggerhead shrike  
 American kestrel  
 Raven  
 Says phoebe  
 Prairie falcon



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/24/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None  
 High Temp (°F): 65 Low Temp (°F): 45

Start Time: 6:00:00 AM Stop Time: 1:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0600-0610 attended construction crew tailboard meeting  
 0610-1030 conducted kit fox searches  
 1040-1200 monitored plant site

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Two dumpsters in north unit 1 need covers
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			3 ravens in north unit 1 on ground
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Prairie falcon  
 Red tailed hawk  
 Loggerhead shrike  
 Kestrel

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/30/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 72 Low Temp (°F): 37

Start Time: 6:00:00 AM Stop Time: 4:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0600-0615 attended construction crew tailboard meeting  
 0620-0640 checked evaporation ponds  
 0715-1000 conducted bi-weekly raven counts  
 1030-1200 walked half of unit 1 DT fence inspection  
 1200-1530 conducted kit fox searches

### Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two ravens on ground in common area by high rise water tank
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

**Additional Notes:** Species observed;  
 Raven  
 Says phoebe  
 Red tailed hawk  
 Prairie falcon  
 American kestrel  
 Sage sparrow  
 Loggerhead shrike

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/30/2013

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 69 Low Temp (°F): 41

Start Time: 7:00:00 AM Stop Time: 3:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**       **Access Road**       **Gas Line**       **Transmission Line**       **Other (explain)**

**Activity Log:** Inspected DT fence.

### Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/31/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 70 Low Temp (°F): 43

Start Time: 6:00:00 AM Stop Time: 2:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0600-0615 attended construction crew tailboard meeting  
 0630-0710 conducted kit fox search  
 0730-0830 monitored unit 1  
 0900-1400 conducted kit fox searches, downloaded wildlife camera cards

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two ravens perched on power poles in common area
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Raven  
 Prairie falcon  
 Kestrel  
 Red tailed hawk  
 Sage sparrow  
 Northern harrier

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 12/31/2013

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 60 Low Temp (°F): 43

Start Time: 6:50:00 AM Stop Time: 11:00:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

Circle One:  **Plant Site**     **Access Road**     **Gas Line**     **Transmission Line**     **Other (explain)**

**Activity Log:** 0700-0800 inspected equipment laydown areas in unit 1  
 0830-0930, inspected evaporation ponds and nearby common areas  
 1000-1100 monitored unit 1

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two ravens on poles in common area
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Wildlife observed;  
 Raven  
 Prairie falcon  
 Red tailed hawk  
 Tarantula

**ATTACHMENT 4**

**SURVEY DATA FORMS**





## **Evaporation Pond Monitoring Form**

**GENESIS SOLAR ENERGY PROJECT**  
**MONTHLY EVAPORATION POND MONITORING (BIO-21)**

Date	<i>December 12, 2013</i>	Biomonitor	<i>Ron Walker</i>
Sunrise Time	<i>6:32 AM</i>	Sunset Time	<i>4:30 PM</i>

Note: All three surveys must be completed on the same day

**DAWN SURVEY (two hours after sunrise)**

Start Time	End Time
<i>6:32 AM</i>	<i>8:32 AM</i>

1. Netted ponds effective in excluding birds?  Yes  No

Comments for #1: *No line birds observed on netting, one raven flew over pond.*

2. Do nets pose an entrapment hazard to birds and/or wildlife?  Yes  No

Comments for #2: *Nets pose entrapment to birds that dine to feed, such as grebes*

3. Structural Integrity - are nets intact and functioning?  Yes  No

Comments for #3: *On top of NORTH POND there are 4-5 holes that would allow small birds access to ponds.*

4. Were any dead or entangled wildlife observed?  Yes  No

(If yes, report to DB IMMEDIATELY and fill out Avian Reporting Tapform)

Comments for #4: *\* NOTE: two carcasses on net both have been reported to DB in previous months monitoring reports*

**MIDDAY SURVEY (i.e. 1100 to 1300)**

Start Time	End Time
<i>11:00</i> <i>AM</i>	<i>1:00</i> <i>PM</i>

1. Netted ponds effective in excluding birds?  Yes  No

Comments for #1: *No line birds were observed within the netted area, or top of netting, one ring-billed gull on ground by pond (S pond)*

2. Were any dead or entangled wildlife observed?  Yes  No

(If yes, report to DB IMMEDIATELY and fill out Avian Reporting Tapform)

Comments for #2: *see # 4 above*

**DUSK SURVEY (two hours preceding sunset)**

Start Time	End Time
<i>2:30 PM</i>	<i>4:33 PM</i>

1. Netted ponds effective in excluding birds?  Yes  No

Comments for #1: *no line birds observed in netted area or on top of netting*

2. Were any dead or entangled wildlife observed?  Yes  No

(If yes, report to DB IMMEDIATELY and fill out Avian Reporting Tapform)

Comments for #2: *see # 4 above*

## **Common Raven Fixed Point Survey Data Table**

# Genesis Solar - CORA Fixed Point Observation Summary Report (Part 1 of 2)



Monitor	Date	CORA Observation Point	Start Time	End Time	Minimum Visibility (m)	Maximum Visibility (m)	Wind Direction	Wind Speed (mph)	Precipitation	Temp. (°F)	Cloud Cover
Eric German	12/3/2013	R7. 686177 W, 3725504 N	12:09:00 PM	12:19:00 PM	99999	99999	S	5	None	75	5%
Eric German	12/3/2013	R2. 686736 W, 3726215 N	12:33:00 PM	12:43:00 PM	99999	99999	S	5	None	75	5%
Eric German	12/3/2013	R6. 687910 W, 3726586 N	12:54:00 PM	1:04:00 PM	99999	99999	S	5	None	75	10%
Matt Kedziora	12/3/2013	R1. 691217 W, 3722767 N	12:25:00 PM	12:35:00 PM	99999	99999	SW	5	None	77	10%
Matt Kedziora	12/3/2013	R5. 685761 W, 3727662 N	1:05:00 PM	1:15:00 PM	99999	99999	SW	7	None	77	10%
Matt Kedziora	12/3/2013	R3. 683684 W, 3727437 N	1:45:00 PM	1:55:00 PM	99999	99999	SW	5	None	77	10%
Matt Kedziora	12/3/2013	R4. 683203 W, 3727508 N	2:05:00 PM	2:15:00 PM	99999	99999	SW	7	None	78	10%
Ron Walker	12/16/2013	R4. 683203 W, 3727508 N	7:46:00 AM	7:56:00 AM	0	5000	Variable	1	None	42	5%
Ron Walker	12/16/2013	R3. 683684 W, 3727437 N	8:00:00 AM	8:10:00 AM	0	5000	Variable	2	None	43	5%
Ron Walker	12/16/2013	R5. 685761 W, 3727662 N	8:22:00 AM	8:32:00 AM	0	5000	NE	2	None	42	5%
Ron Walker	12/16/2013	R7. 686177 W, 3725504 N	8:47:00 AM	8:57:00 AM	0	5000	NE	4	None	44	5%
Ron Walker	12/16/2013	R6. 687910 W, 3726586 N	9:10:00 AM	9:20:00 AM	0	5000	Variable	1	None	44	0%
Ron Walker	12/16/2013	R1. 691217 W, 3722767 N	9:38:00 AM	9:48:00 AM	0	5000	Variable	1	None	59	0%
Ron Walker	12/16/2013	R2. 686736 W, 3726215 N	10:06:00 AM	10:16:00 AM	0	5000	Variable	1	None	59	0%
Ron Walker	12/30/2013	R4. 683203 W, 3727508 N	7:57:00 AM	7:08:00 AM	0	5000	NE	2	None	44	0%
Ron Walker	12/30/2013	R3. 683684 W, 3727437 N	8:13:00 AM	8:23:00 AM	0	5000	Variable	2	None	46	0%
Ron Walker	12/30/2013	R5. 685761 W, 3727662 N	8:29:00 AM	8:40:00 AM	0	5000	Variable	2	None	50	0%
Ron Walker	12/30/2013	R7. 686177 W, 3725504 N	8:46:00 AM	8:58:00 AM	0	5000	Variable	2	None	50	0%
Ron Walker	12/30/2013	R2. 686736 W, 3726215 N	9:05:00 AM	9:15:00 AM	0	5000	Variable	2	None	51	0%
Ron Walker	12/30/2013	R6. 687910 W, 3726586 N	9:20:00 AM	9:30:00 AM	0	5000	Variable	1	None	55	0%
Ron Walker	12/30/2013	R1. 691217 W, 3722767 N	9:38:00 AM	9:49:00 AM	0	5000	Variable	0	None	56	0%

# Genesis Solar - CORA Fixed Point Observation Summary Report (Part 2 of 2)



Monitor	Date	CORA Observation Point	Observation Time	Sex	Age	No. of CORA	Activity	Flight Direction (to)	1 <sup>st</sup> Distance Obs. (m)	Closest Distance Obs. (m)	Habitat & Perching Habitat	Audio Observation?	Visual Observation?	Observation Notes
Eric German	12/3/2013	R7. 686177 W, 3725504 N	12:16:00 PM	-	Adult	1	Flying	S	50	30	Other (provide details)	YES	YES	Flying fence line. Second raven joined after observation period. Could have been present but not seen due to fence blocking visibility.
Eric German	12/3/2013	R2. 686736 W, 3726215 N	-	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Eric German	12/3/2013	R6. 687910 W, 3726586 N	-	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Matt Kedziora	12/3/2013	R5. 685761 W, 3727662 N	-	-	-	0	-	-	-	-	-	-	-	No CORA observations. Viewshed obscured to east by fencing.
Matt Kedziora	12/3/2013	R3. 683684 W, 3727437 N	1:55:00 PM	-	-	-	-	-	-	-	-	-	-	No CORA observation. Viewshed obscured on all sides by solar facilities.
Matt Kedziora	12/3/2013	R4. 683203 W, 3727508 N	2:12:00 PM	Both (multiple)	Adult	6	Flying	NW	100	100	Creosote Bush Scrub	NO	YES	CORA general forage flying patterns. Continued travelling west.
Matt Kedziora	12/3/2013	R1. 691217 W, 3722767 N	12:28:00 PM	Unknown	Adult	4	Perched above ground	Variable	1000	1000	Other (provide details)	NO	NO	Seen to NW
Ron Walker	12/16/2013	R6. 687910 W, 3726586 N	9:10:00 AM	-	-	0	-	-	-	-	-	NO	NO	No CORA observed
Ron Walker	12/16/2013	R4. 683203 W, 3727508 N	7:46:00 AM	-	-	0	-	-	-	-	-	NO	NO	No CORA observed
Ron Walker	12/16/2013	R3. 683684 W, 3727437 N	8:00:00 AM	-	-	0	-	-	-	-	-	NO	NO	No CORA observed
Ron Walker	12/16/2013	R7. 686177 W, 3725504 N	8:47:00 AM	Unknown	Adult	1	Flying	S	20	10	-	YES	YES	One raven flew overhead to the south, calling as it flew south
Ron Walker	12/16/2013	R1. 691217 W, 3722767 N	9:39:00 AM	Unknown	Adult	2	Perched above ground	-	35	35	Other (provide details)	YES	YES	Two ravens perched on top of concrete transmission line pole
Ron Walker	12/16/2013	R2. 686736 W, 3726215 N	10:07:00 AM	-	-	0	-	-	-	-	-	NO	NO	No CORA observed
Ron Walker	12/16/2013	R5. 685761 W, 3727662 N	8:22:00 AM	-	-	0	-	-	-	-	-	NO	NO	No CORA observed

# Genesis Solar - CORA Fixed Point Observation Summary Report (Part 2 of 2)



Monitor	Date	CORA Observation Point	Observation Time	Sex	Age	No. of CORA	Activity	Flight Direction (to)	1 <sup>st</sup> Distance Obs. (m)	Closest Distance Obs. (m)	Habitat & Perching Habitat	Audio Observation?	Visual Observation?	Observation Notes
Ron Walker	12/30/2013	R1. 691217 W, 3722767 N	9:36:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed at CORA 1 on 12/30/13
Ron Walker	12/30/2013	R4. 683203 W, 3727508 N	7:58:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed at CORA 4 on 12/30/13
Ron Walker	12/30/2013	R3. 683684 W, 3727437 N	8:13:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed at CORA3 on 12/30/13
Ron Walker	12/30/2013	R5. 685761 W, 3727662 N	8:30:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed at CORA 5 on 12/30/13
Ron Walker	12/30/2013	R7. 686177 W, 3725504 N	8:48:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed at CORA 7 on 12/30/13
Ron Walker	12/30/2013	R6. 687910 W, 3726586 N	9:05:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed at CORA 6 on 12/30/13
Ron Walker	12/30/2013	R2. 686736 W, 3726215 N	9:21:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed at CORA 2 on 12/30/13

## **Avian Reporting Data Table and Reporting Data Forms**



Specimen Collection Information

Report Year (yyyy) *	Project Proponent *	Project Name *	Project Type *	Salvage Permit # (if applicable)*	Eagle Permit # (if applicable)*	Specimen Number *	<a href="#">How to Use the Search Box:</a> You may either start typing your choice or click on the arrow on the right hand side of the search bar to view all choices. Once you locate the appropriate choice, you can highlight the text and then hold down the CTRL button while pressing C on your	Scientific Name (include subspecies, if known) *	SPITS Code	Number of individuals found or number of nests relocated (if active nest relocation) *	Age	Sex	How found? (Carcass survey, incidental detection) *
							SPECIES COMMON NAME SEARCH BOX: <input type="text"/>						
2013	NextEra Energy Resources	Genesis Solar Energy Project	Solar Energy	N/A	N/A	N/A	House Finch	House Finch	HOFI	1	Adult	Female	Incidental
2013	NextEra Energy Resources	Genesis Solar Energy Project	Solar Energy	N/A	N/A	N/A	Bullock's Oriole	Icterus bullockii	BUOR	1	Adult	Male	Incidental
2013	NextEra Energy Resources	Genesis Solar Energy Project	Solar Energy	N/A	N/A	N/A	Unknown	Unknown	Unknown	1	Unknown	Unknown	Incidental
2013	NextEra Energy Resources	Genesis Solar Energy Project	Solar Energy	N/A	N/A	N/A	White-Crowned Sparrow	Zonotrichia leucophrys	WCSP	1	Adult	Unknown	Incidental

Bird/Carcass Information											
Discovery Date *	Name of individual discovering injury/mortality	Collection Date *	Condition of Bird/Carcass (or if Active Nest Relocation, please indicate that here)*	Estimated time dead/injured before discovery	Description of Carcass/Injury (noticeable injuries, entire, partial, feather, scavanged, disarticulation, emaciated)*	Suspected cause of injury/mortality (field determination)*	Level of certainty for suspected cause * Observed - 100% Valid - >90% certainty Probable - >50% certainty Possible - <50%, but > 0% certainty Not Applicable - 0% certainty or unknown	Official cause of death	Who determined official cause of death? (Lab Name)	Necropsy? Y/N	Disposition (Where did carcass end up?)*
12/2/2013	Eric German	12/2/2013	Dead, semi-fresh (eyes desiccated, rigor mortis)	2 weeks	Desiccated, missing eyes found beneath tool bin when moved.	Unknown	Not Applicable (0% or Unknown)	unknown	N/A	unknown	Freezer on site
12/10/2013	Eric German	12/10/2013	Mummified	1 month +	Desiccated carcass, dirt packed	Unknown	Not Applicable (0% or Unknown)	unknown	N/A	unknown	Freezer on site
12/18/2013	Eric German	12/18/2013	Broken up	Unknown	Disarticulated bird wing, clean and with weight.	Unknown	Not Applicable (0% or Unknown)	unknown	N/A	unknown	Freezer on site
12/20/2013	Eric German	12/20/2013	Broken up	0-8 hours	The head and neck were pushed into body. Appears to have been vehicle strike.	Collision (other)	Valid (>90%)	unknown	N/A	unknown	Freezer on site

	Location						Weather conditions					Project Feature information		Project Feature infor
Injured animal outcome? (Died, euthanized, released, rehab center, zoo)	Transect/Subplot Number *	Where found: GPS Latitude (decimal degrees)*	Where found: GPS Longitude (decimel degrees)*	Habitat surrounding carcass	County (Note: Please list only primary name e.g. Grant Parish would be "Grant", and Alameda County would be "Alameda")	State	Estimated weather conditions at time of mortality/injury	Wind speed (Day of death, estimated)	Max wind gust speed (Day of death, estimated)	Wind direction (Day of death, estimated)	Moonphase (Julian calendar phase)	Project feature where injured bird/carcass was found*	Project feature where injured bird/carcass was found* (use if more than one feature found)	Project feature where injured bird/carcass was found* (use if more than 2 features found)
N/A	N/A	33.66898	-115.00939	Other (note)	Riverside	CA	Clear	unknown	unknown	variable	unknown	Project Building	Other	ACC PB1
N/A	N/A	33.66035	-114.9829	Other (note)	Riverside	CA	Unknown	unknown	unknown	unknown	unknown	Project Building	Other	N/A
N/A	N/A	33.6755	-115.00111	Graded	Riverside	CA	Unknown	unknown	unknown	unknown	unknown	Road	Solar Trough	N/A
N/A	N/A	33.63144	-114.94397	Creosote Bush Scrub	Riverside	CA	Clear	2	5	NE	unknown	Road	Transmission Tower	N/A

Information						Additional information	
Distance to Project Feature (Feet) *	Azimuth of carcass to project feature	Flight diverters on transmission line? (Y/N)	Type of flight diverter? (List various types)	Transmission compliant with APLIC 2012? (Y/N)	Type and configuration of structure (e.g. structure type, nameplate information, manufacturer information, model number, height, presence/absence of guy wires, structure ID#, line name, circuit number, circuit name, etc.)	Biometric Data on bird (Optional, but could include weight, wing chord, tarsus, tail molt, fat level, brood patch, etc.)	Additional Information and Notes (Band information, other identifying numbers, mitigating conditions)
0	unknown	N	N/A	N/A	N/A	Non descript brown bird, some streaking on breast-about 6 . Female House Finch is a logical guess.	60% cloud coverage. Carcass intact located under ACC PB1 beneath tool storage bin being removed during clean up.
0	unknown	N	N/A	N/A	N/A	Black head and back, orange chest.	Bird located on concrete pad beneath vacuum pump under ACC.
20	270	N	N/A	N/A	N/A		Bird Wing no other parts found in area. 20' from mirrors. Estimated 200' within mirror row.
	0	N	N/A	N/A	N/A		Report by employee of vehicle strike. Bird mortality located on roadway. Removed for safety and prevent further damage. Contacted USFWS and left message 12/20/13, 0950.

Date & Time: Mon Dec 2 13:05:59 PST 2013  
Position: 11 N 684552 3727237  
Altitude: 176ft  
Azimuth/Bearing: 298 N62W 5298mils (True)  
Elevation Angle: -89.7°  
Horizon Angle: +88.2°  
Zoom: 1X  
bird mortality pb1 a c

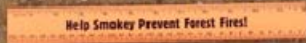


Date & Time: Tue Dec 10 14:01:03 PST 2013  
Position: 11 N 687016 3726306  
Altitude: 143ft  
Azimuth/Bearing: 149 S31E 2649mils (True)  
Elevation Angle: -88.8°  
Horizon Angle: +79.8°  
Zoom: 1X  
bird mortality pb 2



Date & Time: Wed Dec 18 14:24:01 PST 2013  
Position: 11 N 685322 3727961  
Altitude: 373ft  
Azimuth/Bearing: 342° N18W 6080mils (True)  
Elevation Angle: -86.7°  
Horizon Angle: +62.8°  
Zoom: 1X  
disarticulated bird remains u1 G4H r05 43

12/18 14:15 66°  
90.30m  
11 S 0685307 3727911  
UNIT 1 G/H R04 78  
20' from MICEBAS



Date & Time: Fri Dec 20 09:41:37 PST 2013  
Position: 11 N 690704 3723183  
Altitude: 3444  
Azimuth/Bearing: 002 N02E 0036mils (True)  
Elevation Angle: -85.8  
Horizon Angle: +66.7  
Zoom: 1X  
access road bird mortality



12/20/13 0730 61°

Help Smokey Prevent Forest Fires!

0690702 3723189

STARBU

ROAD MORTALITY ± 2 miles east of  
plant site

GERMAN



**ATTACHMENT 5**  
**CORRESPONDENCE**

Not Applicable for December Monthly Compliance Report

**Appendix C**

**Haz-6**

**Worker Environmental Awareness Program Training**

# Genesis Site Safety Orientation / WEAP

Signature	Print Name	Company	Date
1		Eric Mitchell	KRONNE, Inc
2		James Nunn	Berthly Nevada GE
3		Mark Crandall	Siemens Energy
4		Daniel L. Henoux	Nexera
5		Andrew P. Kudrich	Finite Services, Inc.
6		Rosemary J. Jones	Blattner
7		Carlos Ramos	SIEMENS
8		Jason O'Neil	Siemens
9		Adriel Suarez	SPX Cooling Tower
10		Tony DANTO	FLUOR
11		John BUT	VEU
12			1/3/14
13		Nick Probst	Siemens
14		SAM Chew	Total Western
15		Thomas Dillon	Total Western Inc
16		Randy Swan	Total western
17		Mike Garcia	TOTAL western
18		Saul Secina	Total Western
19		Carlos H. Rojas	Universal PLANT SERVICES
20		Robin Smith	Universal Plant Services
21		Michael Terrov	universal plant service
22			1/6/14
23			
24			
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26			
27			
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32			
33			
34			
35			

DECEMBER 10

## **Appendix D**

### **Civil-1**

#### **Schedule of Facility Design Submittals; Master Drawing and Master Specifications**

## CBO-December

Submittal Title	Submittal Description	Due Date	Last Action On	Expedite	Client Date
MECH-2-012.0 - Carbon Vent Filters Code Compliance - PC1	Carbon Vent Filters Code Compliance		2-Jan-14	No	27-Dec-13
MECH-2-013.0 - HTF Pressure Vessels Unit 1 - PC1	HTF Pressure Vessels Unit 1		27-Dec-13	No	27-Dec-13
MECH-2-014.0 - Shop Fab Vessels Unit - PC1	Shop Fab Vessels Unit		2-Jan-14	No	27-Dec-13
MECH-2-015.0 - Aux Boiler Package Unit 1 - PC1	Aux Boiler Package Unit 1	14-Jan-14	30-Dec-13	No	14-Jan-14
MECH-2-017.0 - Instrument Air Package Unit 1 - PC1	Instrument Air Package Unit 1	22-Jan-14	2-Jan-14	No	
Mech-2-016.0 - Instrument Air Package Unit 0 - PC1	Instrument Air Package	22-Jan-14	31-Dec-13	No	

**Appendix E**

**Cultural Monitor Reports**

**Cul-8 and Cul-13**

**Construction Monitoring Plan and Flag and Avoid**

Due to proprietary and confidential subject matter, location information is secured and held under confidential cover

MCR for Cultural Resources

**CUL-7: Worker Environmental Awareness Program (WEAP)**

Requirement: Submit past 30 days of training records

**Workers Environmental Awareness Program**

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

**CUL-8: Construction Monitoring Program**

Requirement: Submit report of any noncompliance.

There were no compliance issues this month.

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

All ground disturbing activities were observed by CEC - approved Cultural Resources Monitors (CRMs) and Native American Monitors. Table 1 lists the number of CRMs onsite during the month of December.

Table 1. CRMs and NAM onsite during December (by day)

<b>December 2013</b>		
<b>Date</b>	<b>Number of Cultural Resource Monitors</b>	<b>Number of Native American Monitors</b>
12/2/2013	1	1
12/3/2013	1	1
12/4/2013	1	1
12/5/2013	1	1
12/6/2013	1	1
12/9/2013	1	1
12/10/2013	1	1
12/11/2013	1	1
12/12/2013	1	1
12/13/2013	1	1
12/16/2013	1	1
12/17/2013	1	1
12/18/2013	1	1
12/19/2013	1	1



12/20/2013	1	1
12/23/2013	1	1
12/24/2013	1	1
12/26/2013	1	1
12/27/2013	1	1
12/30/2013	1	1
12/31/2013	1	1

**Number of Isolate Forms submitted- 2**

**Number of Site Update Forms submitted- 0**

**Number of Monitoring Logs submitted - 21**

Construction activities were monitored along parts of the main access road, in portions of Unit 1, and in Unit 2. Construction activities monitored included grading, backfilling, and various trenching activities on site. A total of two artifacts were found in all construction areas during the month of December. Both artifacts were recorded as new isolated finds. The location of cultural resources, including sites and isolates, is being submitted under confidential cover.

**CUL-13: Flag and Avoid**

Requirement: Submit compliance documentation regarding flagging inspections.

All flagged areas are inspected weekly.

**Appendix F**  
**Safety Reports and Incidents**  
**Worker Safety-3**  
**Construction Safety Supervisor – Staff Assignment**

## **Safety, Environmental and Compliance Summary**

The Project Safety Man-Hours captured are as follows:

58,276	Man hours logged in December
2,439,499	Man hours logged during 2013
3,777,869	Job total man-hours

Project total RIR	0.74
2013 RIR	0.57
Project LTIR	0.00

There were no significant injuries in December.

1094 days without a lost time injury.

BPC has demobilized from the site

- Contractor Safety Audits were completed and actions taken to correct deficiencies.
- Contractors held Weekly All Hands Safety Meetings with agenda and documented attendance.
- 3<sup>rd</sup> party audits continued from Bureau Veritas weekly.
- 10 Safety Orientations/WEAP training for the month.

December 9, 2013

## Housekeeping On The Job

**You have a pretty good idea how safe a job is just by looking at it before you start to work. Even a "Sidewalk Superintendent" knows this. A job that looks clean, with everything in its place, is a safe job. That's all we mean when we talk about job housekeeping. Good housekeeping calls for just two things.**

**Try to remember them:**

**First: Keep trash and loose objects picked up and dispose of them.**

**Second: Pile all materials and park all tools and equipment in the places where they belong.**

These are the fundamentals of good house-keeping and they're simple enough. If we don't follow these two rules, we're letting ourselves in for trouble.

Putting the rules to work is not so simple. A big cleanup once a week won't do the trick. Housekeeping is a job that can't be put off. We have to do it. It's up to each individual to be their own job housekeeper.

When you see something lying around where it could trip an individual or fall on them, put it in a safe place. Don't wait for someone else to do it. If it's something that he or she will be looking for, you can put it safely where they can see it.

You've seen jobs, and probably worked on some, where it wasn't safe to put your foot down without first looking twice to be sure you weren't going to twist an ankle or run a nail through your shoe. A job like that is poorly run, badly managed. Probably it's losing money as well as causing accidents.

Some jobs have walkways, aisles, stairs, and ladders by which you get from one place to another. It's particularly important that these lines of travel be kept safe and clear of loose objects. Workers often carry loads on these routes. They can't always pick their steps or look around to be sure that nothing is going to trip them or fall on them.

A wet or greasy walkway may cause a bad accident. If you see a treacherous spot, make it your business to do some sweeping, mopping or scraping.

Brick, tile, pipe, steel rods and similar materials scattered about the job or insecurely piled on scaffolds or platforms can cause accidents. All material should be piled in the place set aside for it. Each kind of material has its own characteristic. But some rules for piling apply to all kinds:

First, you have to consider how the material is going to be taken out of the pile. If it's going to be a fast-moving operation with a big tonnage being unloaded in a short time, be sure to leave space for the worker and the equipment that will have to do the work.

Be courteous. Never pile material in such a way that it will endanger a worker who has to work on it or will make a backbreaking job for the worker who breaks down the pile.

Other points to think about are:

1. The strength of the support if you're piling material on a floor, platform or scaffold.
2. The stability of the ground if you're piling a heavy load.
3. The height of the pile so it won't topple.
4. The need for building racks if it's pipe or rods you have to stack.
5. The wisdom of waiting for the proper equipment to handle structural steel and other heavy material.

We all know the value of good lighting in job housekeeping. Poor lighting and accidents go together. When you find a light out, report it and get a replacement.

It's not hard to keep a job clean if all useless materials, boxes, scrap lumber and other trash are picked up and removed regularly. Remember, if they're allowed to accumulate for even a few days, the job becomes a messy and unsafe place to work.



**Make the RIGHT Choice**



Make the RIGHT Choice

December 16, 2013

### Cell Phone Safety

Cell phones are to the point now of being a dire necessity. In September, 2011, the Washington Post stated that there were nearly as many cell phones in use in the USA as its' people. In the USA, Puerto Rico, Guam and the U.S. Virgin Islands combined; there are 515 million people and 327.6 million cell phones in use. For that reason there is a big push to strengthen cell phone safety since they cause accidents by distracting drivers. At any given time, there are 800,000 American making calls, texting or using hand held devices while driving. High school Drivers' Education class teaches that any distraction outside two hands on the wheel and eyes between the road and mirrors is a distraction.

#### CELL PHONE FACTS

- Drivers using hand-held devices are 4 times more likely to get into serious crashes - enough to injure themselves according to the Insurance Institute of Highway Safety.
- The 30-39 year old age group had the highest percentage of cell phone use in fatal crashes.
- Approximately 50% of all drivers between the ages of 18 and 24 text while driving.
- Teenage drivers say that texting is their #1 driver distraction.
- A truck driver texting while driving is 5.8 times more likely to get into an accident than a trucker paying full attention to the road.
- Of all cell phone related tasks – including talking, dialing, or reaching for the phone – texting while driving is the most dangerous.

#### CELL PHONE SAFETY TIPS:

- Try to make your calls while your vehicle is stationary.
- Although studies have shown that using a speaker-phone or hands-free device still leads to distracted driving which may result in a crash, the percentages are lower than not using a hands free device. So if you must make a call while moving rely on this technology. This keeps your hands free and your eyes on the road.
- Do not read or write text messages while driving. Taking your eyes off the road for any amount of time could cause you to have a bad accident.
- Program your most used numbers on "speed dial" for easy access.

App developers for both the iOS and Android have made a number of apps that help to prevent or discourage cell phone use while driving. Some lock your phone when it is detected to be moving 10 mph or faster and others automatically respond to incoming calls or texts stating that the driver cannot use their phone since they are driving. Many of these apps are programmable to allow the cell phone owner or parent to disable and enable certain functions; locking all other apps while moving, automatically reading emails and texts etc. These tools could help alleviate cell phone usage distracting the driver all together or to an extent resulting in a decreased likelihood of a crash.

Hand-held Cell Phone Use Ban: 12 states, D.C., Puerto Rico, Guam and the U.S. Virgin Islands prohibit all drivers from using hand-held cell phones while driving.

All Cell Phone ban: No state bans all cell phone use for all drivers, but 37 states and D.C. ban all cell phone use by novice or teen drivers, and 18 states and D.C. prohibit any cell phone use for school bus drivers.

Text Messaging ban: 41 states, D.C., Puerto Rico, Guam and the U.S. Virgin Islands ban text messaging for all drivers.

6 states prohibit text messaging by novice or teen drivers.

3 states restrict school bus drivers from texting.

<http://www.ncsl.org/research/transportation/cellular-phone-use-and-texting-while-driving-laws.aspx> can tell you the laws in your state or the states you will be traveling through in the upcoming months.



Make the RIGHT Choice

December 23, 2013

### Shortcuts

Most of us have the necessary skills and knowledge to do our jobs well, and none of us want to hurt ourselves or anyone else. Why then do we take shortcuts, setting up ourselves and others for injury? Even if the job will only take a few minutes, it isn't worth risking your safety and health for those few minutes. Wear personal protection to safeguard your body parts. Use proper, well-maintained equipment. Don't improvise to save time. Ladders, steps and walkways are built to ensure your safety. The safest way isn't always the shortest way, but it's the surest way. The following is a list of things we often do, even though we know we shouldn't.

1. You can't fool safety devices - but we remove or wedge back safety guards so they won't protect us.
2. We shouldn't take a chance when operating heavy equipment - but we don't use the seat belt that is provided.
3. We know that flames or sparks are not permitted around flammable liquids - but some of us smoke outside of designated areas.
4. A protruding nail in a guard rail can cause an injury - but we don't bother to remove it or bend it over.
5. Horseplay causes a lot of injuries on the job - but many of us continue to play practical jokes.
6. A circular saw can amputate a finger - but we insist on using the saw with a malfunctioning guard.
7. We know the safe way to climb a ladder - but we climb it with one hand full of tools.
8. We should wear our personal protective equipment - but we leave our safety glasses in our vest pocket or hanging around our necks.
9. We know better than to use chemicals without reading the MSDS - but we use the chemical anyway.
10. A bump or bruise to the head can really hurt - but we continue to work without our hard hats.
11. It's dangerous to block firefighting equipment - but we stack material in front of fire extinguishers.
12. We know not to work within 10 feet of a power line - but there's just one more load of steel to be unloaded and it won't happen to me.

This is a short list, you can probably think of a lot more because we all, at one time or another, have been guilty of taking shortcuts. Usually it's because we are attempting to save some time. Occasionally someone comes up with an idea that works, and is a time-saver. That's great, as long as safety is not sacrificed. Your life and your health are too important to risk by taking stupid chances, and that is exactly what 999 out of 1000 shortcuts are - stupid! Be smart and think safety first.

**Appendix G**  
**Miscellaneous Submittals and Information**



Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 – Install forms for fire hydrant pads.
- ♦ Unit 2 – Clean up spoils piles south of power block.

**Power Block Piping and Mechanical (K022):**

- ♦ Steam Turbine Enclosure, grating, handrails and spring cans.  
Punch list on various systems.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 1 – Fiber terminations in Ring 8.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 1 - Install lighting conduit, wire and equipment. Install tray covers in area 25.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1 –Work electrical portion of Steam Turbine bearing system.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 –Demob Heat Trace
- ♦ Common – Insulate piping that was changed from carbon steel.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 –Lube oil flush.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity

**Site Safety Topic Of The Week:**  
*"Distracted Driving"*

Clear	Temp-High 70	Winds-Calm
-------	--------------	------------



Power Block 1– Area 23



Power Block 1– Feed Water Structure

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	15
PMI (K022)	72
Newtron (K029)	22
Newtron (K030)	76
Fe Moran (K032)	4
Petrochem (K036)	110
B&W Fluid Dynamics (K205)	1
Sukut (K211)	14
<b>Total Personnel Onsite</b>	<b>409</b>





Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 – Form bollards.
- ♦ Unit 2 – Clean up spoils piles north of power block.

**Power Block Piping and Mechanical (K022):**

- ♦ Steam Turbine Enclosure, grating, and handrails.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 1 – Complete Ring 8.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 1 - Install lighting conduit, wire and equipment. Install tray covers in areas 11, 24 and 25.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1 –Work electrical portion of Steam Turbine bearing system.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Demobilize Heat Trace
- ♦ Common – Insulate piping that was changed from carbon steel.

**Pre-commissioning B&W Fluid Dynamics (K205):**

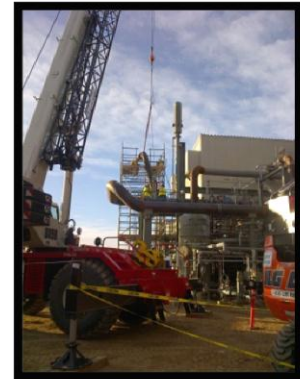
- ♦ Unit 1 –Lube oil flush.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity

**Site Safety Topic Of The Week:**  
*"Distracted Driving"*

Clear	Temp-High 76	Winds-Calm
-------	--------------	------------



Power Block 1– Area 14



Power Block 1– Area 11

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	20
PMI (K022)	25
Newtron (K029)	15
Newtron (K030)	74
Fe Moran (K032)	4
Petrochem (K036)	95
B&W Fluid Dynamics (K205)	1
Sukut (K211)	0
<b>Total Personnel Onsite</b>	<b>329</b>

**December 4, 2013**

**Unit 1 COD: April 1<sup>st</sup>, 2014**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 – Demobilize Banker tanks.
- ♦ Unit 2 – Clean up spoils piles north of power block.

**Power Block Piping and Mechanical (K022):**

- ♦ Steam Turbine Enclosure, grating, and handrails.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 1 – Punch list.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 1 - Install lighting conduit, wire and equipment. Install tray covers in areas 11, 24 and 25.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1 –Work electrical portion of Steam Turbine bearing system.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Complete HCE foil in block 1, start in block 2. Install HCE covers in block 4. Continue insulating Train 1, Train 2, Area 14 and Area 11. Demobilize Heat Trace
- ♦ Common – Insulate piping that was changed from carbon steel.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 –Lube oil flush. Install steam blow piping.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity

**Site Safety Topic Of The Week:**  
*"Distracted Driving"*

Partly Cloudy	Temp-High 58	Winds-NNW 15 mph
---------------	--------------	------------------



**Power Block 1 – Area 22**



**Solar Field 1 – Block 1**

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	20
PMI (K022)	25
Newtron (K029)	15
Newtron (K030)	74
Fe Moran (K032)	4
Petrochem (K036)	95
B&W Fluid Dynamics (K205)	1
Sukut (K211)	0
<b>Total Personnel Onsite</b>	<b>329</b>



Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 – Pour bollards and stair landings.
- ♦

**Power Block Piping and Mechanical (K022):**

- ♦ Steam Turbine Enclosure, grating, and handrails.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 1 – Punch list.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 1 - Install lighting conduit, wire and equipment. Install tray covers in areas 11, 24 and 25.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1 – Commission alarm and detection system.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Complete HCE foil in block 2, start in block 3. Install HCE covers in block 4. Continue insulating Train 1, Train 2, Area 14 and Area 11. Demobilize Heat Trace
- ♦ Common – Insulate piping that was changed from carbon steel.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 –Lube oil flush. Install steam blow piping.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity

**Site Safety Topic Of The Week:**  
*"Distracted Driving"*

Clear	Temp-High 55	Winds-NNE 10 mph
-------	--------------	------------------



Power Block 1 – Area 14



Power Block 1 – Area 23

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	20
PMI (K022)	25
Newtron (K029)	15
Newtron (K030)	74
Fe Moran (K032)	4
Petrochem (K036)	120
B&W Fluid Dynamics (K205)	1
Sukut (K211)	0
<b>Total Personnel Onsite</b>	<b>354</b>



Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 – Strip forms from bollards and stair landing pours.

**Power Block Piping and Mechanical (K022):**

- ♦ Steam Turbine Enclosure, grating, and handrails.

**Solar Field Above Ground Electrical (K029):**

- ♦ No Activity Today

**Power Block Above Ground Electrical (K030):**

- ♦ No Activity Today.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1 – Commission alarm and detection system.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Complete HCE foil in block 3. Install HCE covers in block 4. Continue insulating Train 1, Train 2, Area 14 and Area 11. Demobilize Heat Trace

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 –Lube oil flush. Install steam blow piping.

**Finish Grade and Final Paving (K211):**

- ♦ Unit 1 – Grade ACC.

**Site Safety Topic Of The Week:**  
*"Distracted Driving"*

Clear	Temp-High 58	Winds-SE 5 mph
-------	--------------	----------------



Power Block 1 – ACC



Power Block 1 – Area 15

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	15
PMI (K022)	25
Newtron (K029)	15
Newtron (K030)	47
Fe Moran (K032)	4
Petrochem (K036)	120
B&W Fluid Dynamics (K205)	1
Sukut (K211)	5
<b>Total Personnel Onsite</b>	<b>327</b>



Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 – Clean HTF pit.

**Power Block Piping and Mechanical (K022):**

- ♦ Steam Turbine Enclosure, grating, and handrails.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 1 - Punch list.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 1 – Install conduit and pull wire for lighting equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1 – Test alarm and detection system.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Continue insulating Train 1, Train 2, Area 14 and Area 11.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 –Lube oil flush. Install steam blow piping.

**Finish Grade and Final Paving (K211):**

- ♦ Unit 1 – Prepare subgrade under ACC and along west side of power block.

**Site Safety Topic Of The Week:**  
*"Housekeeping on the Job"*

Clear	Temp-High 46	Winds-N 15 mph
-------	--------------	----------------



Power Block 1 – ACC



Power Block 1 – Area 26

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	15
PMI (K022)	25
Newtron (K029)	15
Newtron (K030)	47
Fe Moran (K032)	4
Petrochem (K036)	120
B&W Fluid Dynamics (K205)	1
Sukut (K211)	5
<b>Total Personnel Onsite</b>	<b>327</b>



Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Common Area – Drill and set bollards south of access road.

**Power Block Piping and Mechanical (K022):**

- ♦ Steam Turbine Enclosure, grating, and handrails.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 1 – Install conduit and pull wire for lighting equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1 – Test alarm and detection system.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Continue insulating Train 1, Train 2, Area 14 and Area 11. Install blankets in Block 8.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 –Lube oil flush. Install steam blow piping.

**Finish Grade and Final Paving (K211):**

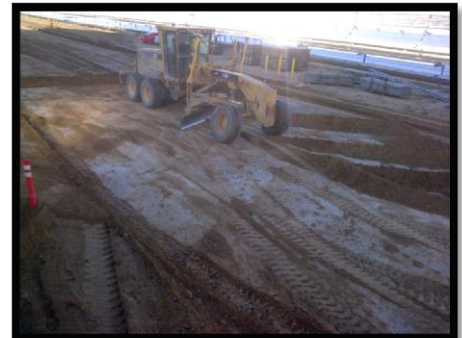
- ♦ Unit 1 – Prepare subgrade under ACC and along west side of power block.

**Site Safety Topic Of The Week:**  
*"Housekeeping on the Job"*

Clear	Temp-High 56	Winds-N 10 mph
-------	--------------	----------------

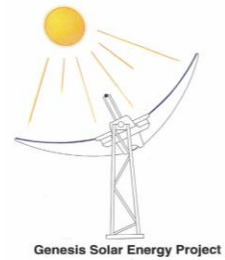


**Power Block 1 – Steam Blow Pipe Install**



**Power Block 1 – West Road**

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	15
PMI (K022)	25
Newtron (K030)	47
Fe Moran (K032)	4
Petrochem (K036)	120
B&W Fluid Dynamics (K205)	1
Sukut (K211)	5
<b>Total Personnel Onsite</b>	<b>312</b>



Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Common Area – Drill and set bollards.
- ♦ Unit 1 – Drill and set bollards. Work subgrade north of power block.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1 – Handrails and Grating.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 1 – Install conduit and pull wire for lighting equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1 – Test alarm and detection system.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Continue insulating Train 1, Train 2, Area 14 and Area 11. Install blankets in Block 8. Remove foil in block 4.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 – Restore from Lube oil flush. Install steam blow piping.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity Today.

**Site Safety Topic Of The Week:**  
*"Housekeeping on the Job"*

Clear	Temp-High 62	Winds-N 10 mph
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Power Block 1 – Train 1



Power Block 1 – Steam Blow Piping

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	1
Sukut (K010)	20
PMI (K022)	25
Newtron (K030)	47
Fe Moran (K032)	4
Petrochem (K036)	120
B&W Fluid Dynamics (K205)	1
Sukut (K211)	0
<b>Total Personnel Onsite</b>	<b>310</b>

**December 12, 2013**

**Unit 1 COD: April 1<sup>st</sup>, 2014**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Common Area –Pour bollards.
- ♦ Unit 1 – Drill and set bollards. Work subgrade under ACC.
- ♦ Unit 2 – Drill and set bollards.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1 – Handrails and Grating.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 1 – Install conduit and pull wire for lighting equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1 – Demobilize.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Continue insulating Train 1, Train 2, Area 14 and Area 11. Install blankets and HCE covers in Block 8. Remove foil in block 5.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 –Demobilize lube oil flush equipment. Install steam blow piping.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity Today.

**Site Safety Topic Of The Week:**  
*"Housekeeping on the Job"*

Clear	Temp-High 64	Winds-N 10 mph
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**Power Block 1 – Train 1**



**Power Block 1 – Steam Blow Piping**

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	1
Sukut (K010)	20
PMI (K022)	25
Newtron (K030)	47
Fe Moran (K032)	4
Petrochem (K036)	120
B&W Fluid Dynamics (K205)	1
Sukut (K211)	0
<b>Total Personnel Onsite</b>	<b>310</b>



**December 13, 2013**

**Unit 1 COD: April 1<sup>st</sup>, 2014**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 – Drill and set bollards.
- ♦ Unit 2 – Drill and set bollards.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1 – Handrails and Grating.

**Power Block Above Ground Electrical (K030):**

- ♦ No Activity Today.

**Fire Protection and Detection Systems (K032):**

- ♦ No Activity Today.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Continue insulating Train 1, Train 2, Area 14 and Area 11. Complete blankets and HCE covers in Block 8.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 – Demobilize lube oil flush equipment. Install steam blow piping.

**Finish Grade and Final Paving (K211):**

- ♦ Unit 1 – Install rock under ACC.

**Site Safety Topic Of The Week:**  
*"Housekeeping on the Job"*

Clear	Temp-High 66	Winds-N 15 mph
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**Power Block 1 – Steam Blow Piping**



**Power Block 1 – ACC Rock**

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	1
Sukut (K010)	15
PMI (K022)	25
Newtron (K030)	47
Fe Moran (K032)	4
Petrochem (K036)	120
B&W Fluid Dynamics (K205)	1
Sukut (K211)	5
<b>Total Personnel Onsite</b>	<b>310</b>



**Unit 1 COD: April 1<sup>st</sup>, 2014**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 – Drill and set bollards.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1 – Handrails and Grating.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 1 – Lighting and Demobilize

**Fire Protection and Detection Systems (K032):**

- ♦ No Activity Today.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Continue insulating Train 1, Train 2, Area 14 and Area 11. Remove foil in block 6.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 – Install steam blow piping.

**Finish Grade and Final Paving (K211):**

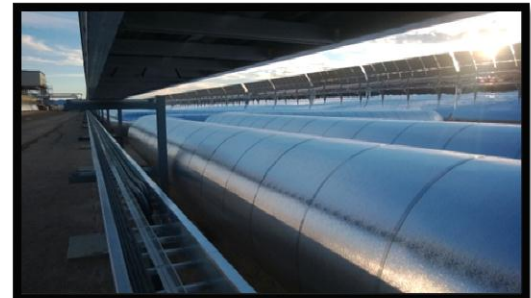
- ♦ Unit 1 – Install rock under ACC.

**Site Safety Topic Of The Week:**  
*"Cell Phone Safety"*

Clear	Temp-High 76	Winds-N 10 mph
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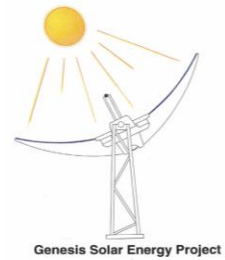


**Power Block 1 – Steam Blow Piping**



**Solar Field 1 – North/South Pipe Rack**

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	1
Sukut (K010)	15
PMI (K022)	25
Newtron (K030)	17
Fe Moran (K032)	4
Petrochem (K036)	120
B&W Fluid Dynamics (K205)	1
Sukut (K211)	5
<b>Total Personnel Onsite</b>	<b>280</b>



Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 – Work bollards and Demobilization.
- ♦ Common – Work Bollards.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1 – Handrails and Grating.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 1 – Lighting and Demobilize.

**Fire Protection and Detection Systems (K032):**

- ♦ No Activity Today.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Continue insulating Feed Water and Boiler Steam.  
Remove foil in block 7.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 – Install steam blow piping.

**Finish Grade and Final Paving (K211):**

- ♦ Unit 1 – Install rock under ACC.

**Site Safety Topic Of The Week:**  
*"Cell Phone Safety"*

Partly Cloudy	Temp-High 75	Winds-Calm
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Power Block 1 – Area 26



Power Block 1 – Area 20

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	1
Sukut (K010)	15
PMI (K022)	25
Newtron (K030)	17
Fe Moran (K032)	1
Petrochem (K036)	120
B&W Fluid Dynamics (K205)	1
Sukut (K211)	5
<b>Total Personnel Onsite</b>	<b>277</b>



**December 18, 2013**

**Unit 1 COD: April 1<sup>st</sup>, 2014**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 – Pour Bollards.
- ♦ Common – Pour Bollards.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1 – Handrails and Grating.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 1 – Demobilize.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Continue insulating Feed Water and Boiler Steam.

**Pre-commissioning B&W Fluid Dynamics (K205):**

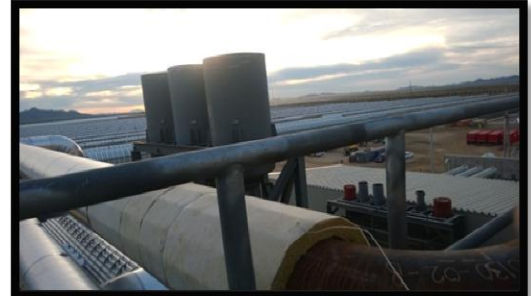
- ♦ Unit 1 – Install steam blow piping.

**Finish Grade and Final Paving (K211):**

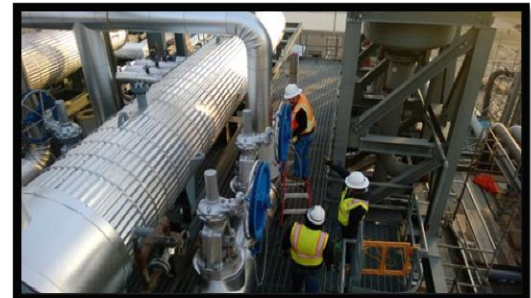
- ♦ Unit 1 – Install rock under ACC.

**Site Safety Topic Of The Week:**  
*"Cell Phone Safety"*

Partly Cloudy	Temp-High 71	Winds-S 10 mph
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**Power Block 1 – Area 14**



**Power Block 1 – Area 14**

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	1
Sukut (K010)	15
PMI (K022)	25
Newtron (K030)	17
Petrochem (K036)	100
B&W Fluid Dynamics (K205)	1
Sukut (K211)	5
<b>Total Personnel Onsite</b>	<b>256</b>



**Unit 1 COD: April 1<sup>st</sup>, 2014**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 – Pour Bollards.
- ♦ Common – Pour Bollards.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1 – Handrails and Grating.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 1 – Demobilize.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Continue insulating Feed Water and Boiler Steam systems.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 – Install steam blow piping.

**Finish Grade and Final Paving (K211):**

- ♦ Unit 1 – Install rock under ACC.

**Site Safety Topic Of The Week:**  
*"Cell Phone Safety"*

Partly Cloudy	Temp-High 67	Winds-W 10 mph
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**Power Block 1 – Train 1**



**Power Block 1 – Train 2**

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	1
Sukut (K010)	15
PMI (K022)	25
Newtron (K030)	17
Petrochem (K036)	100
B&W Fluid Dynamics (K205)	1
Sukut (K211)	5
<b>Total Personnel Onsite</b>	<b>256</b>

**December 20, 2013**

**Unit 1 COD: April 1<sup>st</sup>, 2014**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 – Work subgrade around equipment and roadways.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1 – Demobilize.

**Power Block Above Ground Electrical (K030):**

- ♦ No activity today.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Continue insulating Feed Water and Boiler Steam systems.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 – Install steam blow piping.

**Finish Grade and Final Paving (K211):**

- ♦ Unit 1 – Complete rock under ACC.

**Site Safety Topic Of The Week:**  
*"Cell Phone Safety"*

Clear	Temp-High 67	Winds-W 10 mph
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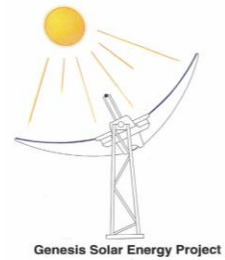


**Power Block 1 – Area 16**



**Power Block 1 – Area 11**

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	1
Sukut (K010)	15
PMI (K022)	25
Newtron (K030)	17
Petrochem (K036)	100
B&W Fluid Dynamics (K205)	1
Sukut (K211)	5
<b>Total Personnel Onsite</b>	<b>256</b>



Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1 –Set Bollards.
- ♦ Common – Set Bollards and work forms.

**Power Block Piping and Mechanical (K022):**

- ♦ No activity today.

**Power Block Above Ground Electrical (K030):**

- ♦ No activity today.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 1 – Continue insulating in Areas 11 and 14. Solar field insulation complete.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1 – Install steam blow piping.

**Finish Grade and Final Paving (K211):**

- ♦ Unit 1 – Install base on roadways.

**Site Safety Topic Of The Week:**  
*"Cell Phone Safety"*

Clear	Temp-High 68	Winds-Calm
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**Power Block 1 – Base Installation**



**Solar Field 1 – Block 8**

Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	1
Sukut (K010)	15
PMI (K022)	13
Newtron (K030)	0
Petrochem (K036)	100
B&W Fluid Dynamics (K205)	1
Sukut (K211)	5
<b>Total Personnel Onsite</b>	<b>227</b>

**Genesis Daily Well Readings - Well Pads in acre feet x .001**

		Serial No#: 11-07803	Serial No#: 11-07804	Serial No#: 11-07805	Serial No#: 022037 Currently not in use	Sundays not worked so no meter readings
		All McCalls Propeller Meter McCrometer Flow Meters			Hendley Nitro Performance	
Date	Well 0	Well 1	Well 2	Front Well Gauge (in gal)	Comments	
SUN 12/01	Out of Service (OS)	270754 acre feet x .001	(OS)			
MON 12/02	(OS)	270798	(OS)			
TUE 12/03	(OS)	270866	(OS)			
WED 12/04	(OS)	271011	(OS)			
THUR 12/05	(OS)	271156	(OS)			
FRI 12/06	(OS)	271243	(OS)			
SAT 12/07	(OS) acre feet x .001	271243 acre feet x .001	(OS)			Friday reading 12/06
SUN 12/08	(OS)	271243	(OS)			
MON 12/09	(OS)	271368	(OS)			
TUE 12/10	(OS)	271517	(OS)			
WED 12/11	(OS)	271693	(OS)			
THUR 12/12	(OS)	271734	(OS)			
FRI 12/13	(OS)	271766	(OS)			
SAT 12/14	(OS) acre feet x .001	271766 acre feet x .001	(OS)			Friday reading 12/13
SUN 12/15	(OS)	271766	(OS)			
MON 12/16	(OS)	271817	(OS)			
TUE 12/17	(OS)	271909	(OS)			
WED 12/18	(OS)	272015	(OS)			
THU 12/19	(OS)	272082	(OS)			
FRI 12/20	(OS)	272184	(OS)			
SAT 12/21	(OS) acre feet x .001	272184 acre feet x .001	(OS)			Friday reading 12/20
SUN 12/22	(OS)	272184	(OS)			
MON 12/23	(OS)	272184	(OS)			
TUE 12/24	(OS)	272184	(OS)			
WED 12/25	(OS)	272184	(OS)			
THU 12/26	(OS)	272184	(OS)			
FRI 12/27	(OS)	272184	(OS)			
SAT 12/28	(OS) acre feet x .001	272184 acre feet x .001	(OS)			Friday reading 12/27
SUN 12/29	(OS)	272184	(OS)			
MON 12/30	(OS)	272184	(OS)			