

DOCKETED

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Stanton Energy Reliability Center

CEC Docket No. 16-AFC-01
Monthly Compliance Report No. 16
Reporting Period: May 2020



Prepared by Stanton Energy Reliability Center, LLC (SERC)
Submitted June 14, 2020

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Key Events List

PROJECT:	Stanton Energy Reliability Center
DOCKET #:	16-AFC-01
COMPLIANCE PROJECT MANAGER:	John Heiser
EVENT DESCRIPTION	DATE
CEC Decision Date	November 7, 2018
Obtain Site Control	February 12, 2019
Online Date	July 1, 2020
POWER PLANT SITE ACTIVITIES	
Start Site Assessment/Pre-Construction	January 31, 2019
Start Site Mobilization/Construction	February 12, 2019
Begin Pouring Major Foundation Concrete	March 29, 2019
Begin Installing Major Equipment	September 4, 2019
Completion of Installation of Major Equipment	June, 2020
First Combustion of Gas Turbine	April 17, 2020
Obtain Building Occupation Permit	TBD
Start Commercial Operation	BESS July 1, 2020; LM6000 July 1, 2020
Complete All Construction	May 28, 2020
TRANSMISSION LINE ACTIVITIES	
Start Transmission Line Construction	October 1, 2019
Complete Transmission Line Construction	February 26, 2020
Synchronization with Grid and Interconnection	April 25, 2020
FUEL SUPPLY LINE ACTIVITIES	
Start Gas Pipeline Construction and Interconnection	August 19, 2019
Complete Gas Pipeline Construction	May, 29 2020
WATER SUPPLY LINE ACTIVITIES	
Start Water Supply Line Construction	March 17, 2020
Complete Water Supply Line Construction	July 2020

1. Summary

On November 7, 2018, the California Energy Commission (CEC) issued its Commission Decision (Docket No. 16-AFC-01) approving construction and operation of the Stanton Energy Reliability Center (SERC) Project. The CEC Compliance Project Manager (CPM) issued a Limited Notice to Proceed (LNTF) on January 31, 2019, allowing the start of construction activities at the power plant site. The Full Notice to Proceed (FNTF) was issued by the CEC on February 12, 2019.

Upon the CEC docket of the Final Decision, SERC made Payment of the Annual Energy Facility Compliance Fee. The next payment and all subsequent payments are due by July 1, of each year.

This document is a Monthly Compliance Report (MCR) as required by Condition of Certification (COC) COM-6. The information in this report documents the engineering, procurement, construction, and compliance activities that were performed during the reporting period: May 2020.

Stanton Energy Reliability Center, LLC (SERC) has selected ARB, Inc. as its general contractor. Power Engineers, under a separate contract is providing the project detailed design engineering. Procurement and construction management services are being provided by Wellhead Construction, Inc. Southern California Edison (SCE) will construct the transmission interconnection facilities. Southern California Gas will design, build, and operate the natural gas pipeline associated with the project. Jacobs Engineering has been retained by SERC to assist with construction monitoring and environmental and CEC compliance. NV5 has been selected by the CEC as the Designated Chief Building Official (DCBO).

On February 28, 2020, SERC petitioned the CEC to change the certification for the SERC project to add additional construction parking and laydown areas. This modification will not result in any significant environmental impacts and no modifications to the Condition of Certification are necessary. On April 22, 2020, the CEC staff docketed their approval, subject to a 14-day public comment period. No public comments were received in 14-day public comment period.

BESS construction has been awarded to TTS Construction ("TTSC") on February 27, 2020 via a Limited Notice to Proceed (LNTP) and received the Full Notice to Proceed (FNTP) on April 6, 2020.

Mechanical of the power block was achieved by ARB on May 28, 2020. ARB loaded the catalyst in the ERU's, completed the site fencing, final grade and demobilized from the site.

During October 2019, the general contractor ARB awarded the Startup and Commissioning activity to Universal Energy (UEI). UEI has been holding daily meetings and commissioning systems.

SERC is working with the City of Stanton and Power Engineers on a design for the sewer interconnection. On November 4, 2019, the encroachment permit for sewer interconnection was issued by the City of Stanton.

During this reporting period SoCal Gas completed work in the Fuel Gas MSA including electrical, cathodic protection wells and commissioning.

Battery Energy Storage System (BESS) construction commenced on March 16, 2020. During this reporting period, most of the work was placement of the major concrete pours including the transformer and HPSU foundations. All sixteen Isolation transformers, both Auxiliary transformers and both 1 and 2EMV-Switchgear-02 were set and the mezzanine deck structural steel was erected.

In May, the SERC facility completed the commissioning of the GE LM6000s, Units 1 and 2, and the commissioning of Emissions Reduction Units (ERU) 1 and 2. During the month, the facility also completed CAISO capacity performance certification testing of the turbine generators, conducted the GE Thermal Performance and Noise guarantee tests and began the Air Permit required emissions monitoring system (CEMS) and emissions compliance testing. A summary of the activities are as follows:

- During the week of May 10th, Montrose Air Quality Services was on site to perform the facility Air Permit required CEMS certification testing of Units 1 and 2. Preliminary results of all the testing completed were all satisfactory. The 7-day emissions monitoring accuracy drift testing for both units will continue into the month of June.

- On May 15th, the SERC facility performed a scheduled CAISO P-Min and P-Max generator capacity certification test on Units 1 and 2. Preliminary results for each unit are:
 - Unit 1 P-Min – 25.52 MW
 - Unit 1 P-Max – 49.79 MW
 - Unit 2 P-Min – 25.65 MW
 - Unit 2 P-Max – 49.84 MW
- On May 25th Montrose Air Quality Services was on site to begin the facility Air Permit required Emissions Certification testing (Source). Unit 2 was completed on May 29th, on site results were all satisfactory, off site laboratory results pending. Unit 1 will begin testing June 1st.

A preliminary project summary schedule is included in Attachment 1.

Note: Due to the dynamic nature of a large-scale construction project, key event dates are subject to change.

The following table represents the percent complete numbers for the engineering, procurement, and construction activities as of the end of May 2020.

Activity	Percent Complete
Engineering	
Power Island	99%
CBO Support	96%
BESS Design	84%
Procurement	
Owner Supplied Equipment	100%
Contractor Supplied Equipment	100%
Construction	
Power Island	100%
BESS	48%

1.1 Engineering

POWER Engineers planned detailed design of the plant is complete. All detailed design systems have been submitted.

Through the month of May 2020, Power Engineers continues to receive RFIs and contractor material submittals. The commissioning and startup phase of the work is mostly complete, and POWER is getting RFIs and miscellaneous documents for review and response.

Power Engineers coordinated with GE regarding open issues on its equipment and design and incorporated new drawings from GE into Power Engineer's design.

A second uninterruptible power supply cabinet (battery cabinet) was added to the mezzanine plan drawings. Power Engineers created new drawings to show deck penetrations, spacing dimensions, working clearance tables, and structural steel notes to coordinate penetrations with equipment bottom entry locations and mezzanine steel structure.

In addition, Power Engineers provided the following support in May:

- Provided breakdown of engineering charges to back charge to ARB
- Updated fire protection drawings
- Corrected documentation to 480V breaker settings
- Coordinated with SERC and GE on modifications to gas and liquid vent drain
- Offered design suggestion to repair stolen ground cable
- Added plant tag name to GE cable schedule
- Provided deck penetration sleeve quantities and sizes to TTS.
- Revised grounding drawings to coordinate with contractor requested GE cable adjustments and Power Engineers designed connections to rebar
- Received and reviewed platform submittal from G&W
- Coordinated with SERC on the preparation of a fire alarm plan to be submitted to the Orange County Fire Authority
- Coordinated with COSCO, the plant fire alarm vendor, to integrate the BESS local fire alarm system into the plant fire alarm system

1.2 Procurement

The procurement of Owner Supplied Equipment (OSE) is currently 100% complete.

The procurement of ARB Contractor Supplied Equipment (CSE) is currently 100% complete.

1.3 Construction

ARB

During the month of May the site fencing and gates were completed. Installed CO and NOx Catalyst on both Units. And provide commissioning support.

Safety:

The month of May was completed with no First Aids, no near miss, no lost time injuries, or recordable injuries.

During this reporting period the contractor worked 2,054 man-hours without a lost time or recordable incident. To date, the contractor has worked 213,806.

Civil:

- None

Piping:

- None

Structural:

- None

Electrical:

- Support commissioning

TTSC

Safety:

During this reporting period the contractor worked 6,233 man-hours without a lost time or recordable incident. To date, the contractor has worked 10,610 man-hours without a lost time, or recordable Incident, and no first aids.

The projects combined worked hours without a lost time or recordable incident is 224,416.

Civil:

- Forming and placement of the transformer/mezzanine foundation
- Forming and placement of the HPSU foundation

Forming and placement of the switchgear foundation Piping:

- No site activities

Structural:

- Rebar and anchor bolts for the transformer foundation was installed
- Rebar, anchor bolts and embeds for the HPSU foundation was installed
- Core drill and epoxy major equipment including HPSU's and transformers
- Crane in and set 16 transformers
- Crane in and set 2 aux transformers
- Crane in and set 4 HPSU (battery containers)
- Crane in and set 2 switchgears – complete
- Installation of the mezzanine structure including sections A and B

Electrical:

- Pulling and terminating of the transformer daisy chain wiring
- Pulling and terminating of the transformer to switchgear wiring
- Installation of grounds

1.4 Explanation of Significant Changes to the Schedule

The construction activities for the BESS have included in the project schedule as indicted in Attachment 1.

2. Documents Required by Specific Conditions for MCR

The Documents required by specific conditions have been identified in Section 4 "Conditions Satisfied During Reporting Period" of this report and are also included in the Attachments.

During this reporting period there were no Discrepancies to report as required in GEN-7. As such, Attachment 12 contains no information.

During this reporting period there were no changes to the encroachment permit as required in SOIL&WATER-8. As such, Attachment 15 contains no information.

During this reporting period there were no Discrepancies or Non-Compliance items to report as required in CIVIL-3 as indicated in Attachment 19.

3. Compliance Matrix

The compliance matrix was updated during the reporting period to reflect the dates that compliance submittals were provided to the CEC and DCBO and the dates of any approvals by the DCBO, CEC or other agencies having review or approval rights. The Compliance Matrix is included in Attachment 2.

4. Conditions Satisfied During Reporting Period

The Commission Decision sets forth specific conditions, many of which include reporting requirements that must be addressed in an MCR. This section of the MCR describes activities that ensure compliance is achieved with all conditions of verification in the Commission Decision for the SERC Project. The report format is designed to be comprehensive and inclusive of all Conditions of Certification that require monthly reporting.

Many Conditions of Certification are addressed in the attachments to this MCR. The following one-time and/or monthly compliance activities were completed or addressed during the report period:

AQ-SC3: 1) A summary of all actions taken to maintain compliance with this condition 2) Copies of any complaints filed with the South Coast Air Quality Management District (SCAQMD) in relation to project construction; and 3) other documentation deemed necessary to verify compliance with this condition are included in the AQCM's monthly report in Attachment 3.

AQ-SC4: 1) Work activities requiring dust control and a summary of all actions taken to maintain compliance with this condition; 2) copies of any complaints filed with the SCAQMD in relation to project construction; and 3) any other documentation necessary to verify compliance with this condition are included in the AQCM's monthly report in Attachment 3.

AQ-SC5: 1) A summary of all actions taken to maintain compliance, 2) list of heavy equipment, and 3) other documentation necessary to verify compliance during the reporting period is included in the AQCM's monthly report in Attachment 3.

BIO-2: A monthly Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) provides a summary of reporting period construction activities and associated biological monitoring and is included in Attachment 4.

BIO-5: During the reporting period 86 personnel received the Worker Environmental Awareness Program (WEAP) training. The total number of personnel trained to date is 1,002. Documentation of worker training records for the reporting period is included in Appendix E of Attachment 4.

BIO-6: The Designated Biologist and Biological Monitor provides monthly documentation on how the biological mitigation measures defined in the BRMIMP have been implemented during the reporting period. This information is included in Attachment 4.

BIO-8: The Designated Biologist and Biological Monitors have provided documentation on pre-construction nest surveys to the CPM, California Department of Fish and Wildlife (CDFW) and U.S. Fish and Wildlife Service (USFWS) as required. These activities and reports are addressed in the Monthly Biological Report included as Attachment 4. Impact avoidance and minimization measures related to nesting and breeding birds have been implemented during the reporting period. This information is included in Attachment 4.

CIVIL-1: During the reporting period there were no proposed changes to the drainage structures and the grading; the erosion and sedimentation control plan; the construction Storm Water Pollution Prevention Plan (SWPPP); related calculations and specifications that have been signed and stamped by the responsible civil engineer or the soils, geotechnical or foundation investigations reports required by the 2016 CBC that have been previously submitted and approved by the CBO.

CIVIL-3: There were no inspection, non-conformance reports during the reporting period. (Attachment 5)

COM-5: An updated compliance matrix is provided as Attachment 2.

COM- 6: This MCR conforms to and satisfies the COC.

COM-7: There were no required Periodic or Annual Compliance Reports due in this reporting period.

COM-9: The Annual Compliance Fee was paid by SERC, LLC on Jun 5th. Documentation of the payment, including a receipt from the CEC was forwarded to the CPM.

COM-11: There were no complaints, notices, warnings, citations, or fines during this reporting period. The Complaint Log can be found in Attachment 21 of this MCR.

COM-13: No Incident Reporting requirements occurred during this reporting period.

CUL-2: Three week look ahead schedules are being provided weekly to allow the CRS to plan the CRM's monitoring work accordingly. The CPM is being copied on these schedules as well.

CUL-3: The CRMMP is being fully implemented. Specific details can be found in the daily cultural resource reports being submitted to the CPM and in the monthly Cultural Resources Report included as Attachment 6 of this MCR.

CUL-5: During the reporting period 86 personnel received the Worker Environmental Awareness Program (WEAP) training. The total number of personnel trained to date is 1,002. Documentation of worker training records for the reporting period is included in Appendix D of Attachment 4.

CUL-6: The Cultural Resources Specialist's monthly summary report is included as Attachment 6 to this MCR.

CUL-7: There were no cultural resource discoveries made during the reporting period. The Cultural Resources Specialist's monthly summary report is included as Attachment 6.

ELEC-1: Documentation of transmittal of electrical construction design review and approval by the DCBO during the reporting period. During this reporting period there were six (6) approvals by the DCBO as indicated in Attachment 8.

Additionally, during this reporting period, the following major electrical equipment was received:

- BESS Isolation Transformers (16)
- BESS High Power Storage Unit (HPSU) (4)
- BESS 13.8kV switchgear (Units 1 and 2)

GEN-2: There were no schedule updates in the reporting period to the facility design schedule, the master drawings and master specifications list as indicated in Attachment 9.

GEN-3: Proof of payment to the DCBO during this reporting period is included in Attachment 10.

GEN-6: There were no additional special inspectors approved during the reporting period as indicated in Attachment 11.

GEN-7: There were no Design Discrepancy Corrections during the reporting period as indicated in Attachment 12.

GEN-8: There were (6) final inspection during this reporting period as described in GEN-8 Attachment 13.

MECH-1: There were no completion of inspections received from the CBO during this reporting period. Documentation of transmittal letters of completion of all DCBO inspections are included in Attachment 22.

MECH-2: There were no on-site fabrication or installation of any pressure vessels during this reporting period.

NOISE-2: There were no noise complaints received during this reporting period as indicated in Attachment 21.

PAL-2: Three week look ahead schedules are being provided weekly to allow the PRS to plan the PRM's monitoring work accordingly. The CPM is being copied on these schedules as well.

PAL-3: The PRMMP is being fully implemented. Specific details can be found in the Monthly Paleontology Resources Report included as Attachment 7.

PAL-5: During the reporting period 86 personnel received the Worker Environmental Awareness Program (WEAP) training. The total number of personnel trained to date is 1,002. Documentation of worker training records for the reporting period is included in Appendix D of Attachment 4.

PAL-6: A summary of the Paleontological Resource Specialist's activities during the reporting period including daily monitoring logs is included in the Monthly Paleontology Report included as Attachment 7.

SOIL&WATER-4: The monthly water use for SERC during the reporting period was 879 CF. Daily water usage is provided within Attachment 14.

STRUC-1: Documentation of DCBO approval of structural plans, specifications, and calculations during the reporting period is included in Attachment 16.

STRUC-3: There were no design changes to the final plans required by the 2016 CBC, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes during this reporting period.

TRANS-1: There were no deliveries requiring permits during the reporting period for vehicle sizes, weights, driver licensing and truck routes as identified in Attachment 17.

TRANS-5: The project contracted with a licensed hazardous materials delivery and a licensed waste hauler companies for the transportation of hazardous materials and wastes during this reporting period as identified in Attachment 23.

TRANS-4: During the reporting period project owner's general contractors did not apply for or receive an encroachment permit. However, the encroachment permits for the temporary driveway at Dale Ave and the sanitary sewer connection at Pacific St are still in place.

TSE-1: There were no schedule updates to the transmission facilities design submittals, Master Drawings List, and a Master Specifications List or Major Equipment and Structure List during the reporting period.

TSE-2: During this reporting period, the following major electrical equipment was received:

- BESS Isolation Transformers (16)
- BESS High Power Storage Unit (HPSU) (4)
- BESS 13.8kV switchgear (Units 1 and 2)

VIS-3: There were no lighting complaints for any construction activity during this reporting period.

WASTE-4: During this reporting period two (2) forty-yard bins of construction waste, no (0) ten-yard bin of construction waste, no (0) forty-yard waste metal bin and four (4) eco pans of solid waste left the site.

WASTE-6: SERC is keeping a copy of the hazardous waste generator identification number(s) on file at the project site (EPA ID 2-27-19-CAR000292565). Documentation of any new or revised hazardous waste generation notifications or changes in identification number are required to be provided to the CPM in the next scheduled compliance report. There have been no revisions during this reporting period.

WASTE-9: There were no spills or releases of hazardous substances, materials, or waste are reported, cleaned up, and remediated as necessary, in accordance with all applicable federal, state, and local requirements during this reporting period.

WORKER SAFETY-3: The CSS's Monthly Compliance Report(s) includes documentation of 1) employees trained, 2) safety management actions safety-related incidents, 3) unresolved situation and incidents that may pose a danger to life and health, 4) reports of any visits from Cal/OSHA and/or any complaints from workers to Cal/OSHA and 5) reports of accidents, injuries, and near misses during the reporting period is included in this MCR as Attachment 18.

5. Missed Deadlines

There were no missed deadlines during this reporting period.

6. Approved Changes to Conditions of Certification (COC)

No changes to the COC occurred during this reporting period.

7. Governmental Agencies Submittals / Permits

The Permits by Government Agencies as required in COM-6 are included in Attachment 20.

8. Compliance Activity Two Month Schedule

- Adhere to Conditions of Certification, defined herein, that require monthly activities and/or per event submittals.
- COM-5 and 6 – Submit MCR and compliance matrix to the CEC.

9. On-Site Compliance File

SERC, LLC is maintaining electronic copies of all project files and submittals in accordance with COC COM-2 and the clarifications received from the CPM on March 21, 2019 regarding electronic record retention. At least one hard copy of the following will be kept onsite:

1. all finalized original and amended structural plans and “as-built” drawings for the entire project (later)
2. the most current versions of any plans, manuals, and training documentation required by the COC or applicable LORS

10. Incidents, Complaints, Notices of Violation, Official Warnings and Citations

There were no incidents, notices of violation, official warnings or citations received during the month of November 2019.

Attachment 1 – COM-6 Project Schedule

SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE										WBS Summary													10-Jun-20 10:05						
Activity ID	Activity Name	OD	%Comp	Start	Finish	TF	Fin. Var.	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
SERC Baseline Project Master Schedule (w/ARB Apr Sched) & C																													
LM6000 RAPA Key Milestone		927	67.2%	28-Feb-16 A	02-Dec-21	0	0																						
2	Expected Initial Delivery Date	0	0%	01-Jul-20	01-Jul-20	287	0																						
Storage RAPA Key Milestone		0	0%	01-Jun-20	01-Jun-20	304	0																						
4	Expected Initial Delivery Date	0	0%	01-Jun-20	01-Jun-20*	304	0																						
GIA Key Milestones		66	100%	28-Feb-20 A	25-Jun-20	290	0																						
6	In-Service Date (Initial Backfeed - Liquidated Damage	0	100%		28-Feb-20 A		0																						
7	Initial Synchronization Date/Trial Operation (No Later Than	0	100%		03-Mar-20 A		0																						
8	Commercial Operation Date (No Later Than)	0	0%		25-Jun-20*	166	0																						
Pre-construction Activities		701	100%	26-Oct-16 A	16-Nov-19 A		0																						
CEC Permitting		434	100%	26-Oct-16 A	12-Feb-19 A		0																						
11	Application for Certification	782	100%	26-Oct-16 A	17-Dec-18 A		0																						
12	Presiding Members Proposed Decision (PMMPD) issued	1	100%	08-Oct-18 A	08-Oct-18 A		0																						
14	Post-Approval 30-day appeal period	30	100%	13-Nov-18 A	13-Dec-18 A		0																						
13	Full Commission Decision for Approval	0	100%	13-Nov-18 A			0																						
15	CEC Decision Final (non-appealable)	0	100%		13-Dec-18 A		0																						
Pre-Construction Compliance (CEC)		47	100%	13-Nov-18 A	12-Feb-19 A		0																						
19	Compliance submittals necessary to get a Full Notice	83	100%	13-Nov-18 A	12-Feb-19 A		0																						
17	Compliance submittals necessary to get a Limited No	69	100%	13-Nov-18 A	31-Jan-19 A		0																						
18	Limited Notice to Proceed (LNTF)	0	100%		31-Jan-19 A		0																						
20	Full Notice to Proceed (FNTP)	0	100%	12-Feb-19 A			0																						
SCAQMD Air Permit		0	0%	15-Nov-18 A	15-Nov-18 A		0																						
22	SCAQMD Authority To Construct (ATC) issued	0	100%	15-Nov-18 A			0																						
Engineering		575	100%	29-Oct-18 A	29-Aug-19 A		0																						
27	Vehicle Bridge Engineering	45	100%	29-Oct-18 A	18-Jan-19 A		0																						
25	Further Develop Engineering to Signed and Stamped F	575	100%	31-Oct-18 A	17-Dec-18 A		0																						
24	"Issued For Bid" Engineering Package for Contractor	174	100%	31-Oct-18 A	31-Oct-18 A		0																						
29	Assemble Engineering into CBO submittal packages	148	100%	11-Dec-18 A	29-Aug-19 A		0																						
26	Receive Signed and Stamped Plan Set	1	100%	17-Dec-18 A	17-Dec-18 A		0																						
28	BESS & EGT Integration Engineering	105	100%	02-Jan-19 A	22-Feb-19 A		0																						
Real Properties or Land Control		394	100%	06-Aug-18 A	25-Feb-19 A		0																						
31	Valov Lease Agreement Executed	0	100%		06-Aug-18 A		0																						
35	Orange County Public Works (OCPW) Encroachment	4	100%	03-Dec-18 A	01-Feb-19 A		0																						
34	Sewer Service Connection Permit	16	100%	31-Dec-18 A	28-Jan-19 A		0																						
33	Water Service Connection Permit	16	100%	31-Dec-18 A	28-Jan-19 A		0																						
32	SCE Easement Consent	81	100%	31-Dec-18 A	25-Feb-19 A		0																						
Owner Supplied Equipment (OSE) Procurement Schedule		356	100%	08-Feb-18 A	16-Nov-19 A		0																						
LM6000 Packages		190	100%	22-Feb-18 A	01-Aug-19 A		0																						
39	Engineering Received from Manufacturer	45	100%	22-Feb-18 A	11-May-18 A		0																						
38	Effective Date of Turbine Supply Contract	0	100%		22-Feb-18 A		0																						

Remaining Level of Effort

Actual Work

Actual Level of Effort

Critical Remaining Work

Milestone

TASK filter: Not Level Of Effort.

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SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE				WBS Summary				10-Jun-20 10:05																					
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020								2021												2022	
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
	40	Order of Long Lead Time Items	0	100%	23-May-18 A		0																						
	42	Manufacturer Time (FNTTP-Delivery)	169	100%	23-Aug-18 A	21-May-19 A	0																						
	41	FNTTP	0	100%	23-Aug-18 A		0																						
	43	Receipt of Notice of Ready to Ship (RTS)	0	100%		11-Apr-19 A	0																						
	A1000	Transportation From FCA Delivery Point To Site	40	100%	21-May-19 A	01-Aug-19 A	0																						
	44	Delivery Per FCA (Goods Actually Ready For Shipment	0	100%		21-May-19 A	0																						
	Emissions Reduction Unit (ERU)		356	100%	08-Feb-18 A	16-Nov-19 A	0																						
	47	Effective Date of the ERU Supply Contract	0	100%		08-Feb-18 A	0																						
	57	Selection of Nox & CO Catalyst	0	100%		01-Jun-18 A	0																						
	62	Engineering Received from Manufacturer	0	100%		05-Jul-18 A	0																						
	56	Engineering Received from Manufacturer	0	100%		13-Jul-18 A	0																						
	61	Approval of Engineering	0	100%		19-Jul-18 A	0																						
	55	Approval of Engineering	0	100%		27-Jul-18 A	0																						
	54	Release for Fabrication of Nox & CO Catalyst	0	100%		13-Aug-18 A	0																						
	53	Delivery of instalation proceedures	0	100%		24-Aug-18 A	0																						
	60	Engineering Received from Manufacturer	0	100%		30-Aug-18 A	0																						
	52	Delivery of maintenance proceedures	0	100%		07-Sep-18 A	0																						
	59	Approval of Engineering	0	100%		13-Sep-18 A	0																						
	A1010	Fabrication Drawings	4	100%	12-Oct-18 A	01-Feb-19 A	0																						
	58	FNTTP	0	100%	12-Oct-18 A		0																						
	A1020	SERC Review Fabrication Drawings	4	100%	01-Feb-19 A	15-Feb-19 A	0																						
	51	Manufacturer Time (FNTTP-Delivery)	123	100%	15-Feb-19 A	18-Jun-19 A	0																						
	A1030	Transportation Of ERU Materials	4	100%	01-Jul-19 A	16-Nov-19 A	0																						
	50	Delivery/Goods Received (Duct, Stack, Silencer)	59	100%	01-Jul-19 A	25-Oct-19 A	0																						
	49	NOx & CO Modules	0	100%		14-Oct-19 A	0																						
	Generator Step-Up Transformer (GSU)		194	100%	29-Jun-18 A	31-May-19 A	0																						
	65	Engineering Received from Manufacturer	56	100%	29-Jun-18 A	20-Sep-18 A	0																						
	64	LNTP/PO Date	0	100%		29-Jun-18 A	0																						
	67	Manufacturer Time (FNTTP-Delivery)	162	100%	20-Sep-18 A	28-Feb-19 A	0																						
	66	FNTTP	0	100%	20-Sep-18 A		0																						
	69	Delivery/Goods Received At Site	0	100%		31-May-19 A	0																						
	Vehicle Bridge		47	100%	01-Nov-18 A	22-Mar-19 A	0																						
	71	LNTP/PO Date	0	100%	01-Nov-18 A		0																						
	72	Engineering Received from Manufacturer	32	100%	02-Nov-18 A	07-Jan-19 A	0																						
	73	FNTTP	0	100%		07-Jan-19 A	0																						
	74	Manufacturer Time (FNTTP-Delivery)	24	100%	08-Jan-19 A	28-Feb-19 A	0																						
	75	Delivery/Goods Received	0	100%		22-Mar-19 A	0																						
	Balance Of Plant OSE		119	100%	01-Jul-18 A	01-Apr-19 A	0																						
	78	Place BOP OSE Purchase Orders	180	100%	01-Jul-18 A	28-Dec-18 A	0																						
Remaining Level of Effort			Actual Work			Critical Remaining Work			TASK filter: Not Level Of Effort.																				
Actual Level of Effort			Remaining Work			◆◆ Milestone			© Oracle Corporation																				

SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE										WBS Summary												10-Jun-20 10:05											
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.																										
								2020												2021				2022									
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb				
BIO-1060	BIO-8c - Implementation of Nest Surveys and Inclusive	0	100%	19-Sep-19 A			0																										
BIO-1020	BIO-7b - General Impact Avoidance and Mitigation Me	0	0%	01-Aug-20			390	0																									
BIO-1010	BIO-6e - BRMIMP Construction Closure Report	0	0%	01-Aug-20			390	0																									
BIO-1000	BIO-5c - WEAP Training Acknowledgement Forms on	0	0%	05-Feb-21			240	0																									
Cmil		0	0%	16-May-20 A	16-May-20 A		0																										
CIV-1010	CIVIL-4a - Final Grading Plan Approval	0	100%	16-May-20 A			0																										
Communication		0	0%	03-May-20 A	03-May-20 A		0																										
COM-1020	COM-12b - Emergency Response Site Contingency Pl	0	100%	03-May-20 A			0																										
Cultural		77	100%	16-May-20 A	20-Aug-20		375	10																									
CUL-1000	CUL-1j - Discharge the CRS, after receiving approval f	0	100%	16-May-20 A			0																										
CUL-1010	CUL-4b - Final Cultural Resources Report	0	0%	20-Aug-20			375	10																									
General		90	0%	04-Aug-20	24-Nov-20		298	0																									
GEN-1030	GEN-8b - Plan and Specification Storage	0	0%	04-Aug-20			388	0																									
GEN-1010	GEN-1b - Certificate of Occupancy	0	0%	09-Oct-20			335	0																									
GEN-1000	GEN-1a - Certificate of Occupancy	0	0%	09-Oct-20			335	0																									
GEN-1040	GEN-8c - Plan and Specification Archive Copies	0	0%	24-Nov-20			298	0																									
Hazardous		202	100%	20-Jul-19 A	09-Mar-20 A		0																										
HAZ-1080	HAZ-8a - Operations Site Security Plan	0	100%	20-Jul-19 A			0																										
HAZ-1000	HAZ-2a - Final HMBP and SPCC	0	100%	20-Jul-19 A			0																										
HAZ-1060	HAZ-6a - HazMat Transport Route Restrictions	0	100%	28-Jul-19 A			0																										
HAZ-1010	HAZ-2b - Final Risk Management Plan	0	100%	29-Jul-19 A			0																										
HAZ-1070	HAZ-6b - Route Restrictions, New Vendor	0	100%	23-Aug-19 A			0																										
HAZ-1050	HAZ-5 - Transport Vehicle Specifications	0	100%	04-Nov-19 A			0																										
HAZ-1040	HAZ-4 - Ammonia Storage Tank Design	0	100%	04-Nov-19 A			0																										
HAZ-1030	HAZ-3 - Aqueous Ammonia Safety Management Plan	0	100%	04-Nov-19 A			0																										
HAZ-1020	HAZ-2c - Final Risk Management Plan	0	100%	04-Nov-19 A			0																										
HAZ-1090	HAZ-9 - Fuel Gas Pipe Cleaning	0	100%	09-Mar-20 A			0																										
Mechanical		202	100%	24-Aug-19 A	03-May-20 A		0																										
MECH-1000	MECH-2a - Pressure Vessel Installation	0	100%	24-Aug-19 A			0																										
MECH-1020	MECH-3b - HVAC Plans	0	100%	03-May-20 A			0																										
MECH-1010	MECH-3a - HVAC Plans	0	100%	03-May-20 A			0																										
Noise		15	0%	03-Jun-20	22-Jun-20		422	0																									
NOI-1030	NOISE-5 - Occupational Noise Survey	0	0%		03-Jun-20		437	0																									
NOI-1010	NOISE-4a - Operational Noise Survey	0	0%	03-Jun-20			422	0																									
NOI-1020	NOISE-4b - Noise Survey Summary Report	0	0%	22-Jun-20			422	0																									
Paleo		60	0%	20-Aug-20	03-Nov-20		315	10																									
PAL-1000	PAL-7 - Paleontological Resources Report	0	0%	20-Aug-20			315	10																									
PAL-1010	PAL-8 - Curation Entity/Curation Fees	0	0%	03-Nov-20			315	10																									
Structural		0	0%	05-Nov-19 A	05-Nov-19 A		0																										
STR-1010	STRUC-4a - Tank and HazMat Vessel Design	0	100%	05-Nov-19 A			0																										
Transmission		0	0%	28-Jan-20 A	28-Jan-20 A		0																										

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

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SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE										WBS Summary										10-Jun-20 10:05											
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.																								
								2020						2021						2022											
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		
TLSN-1010	TLSN-2 - Metallic Objects Grounded	0	100%	28-Jan-20 A			0																								
	Transportation	0	0%	05-Feb-21	05-Feb-21	240	0																								
	TNP-1000	0	0%	05-Feb-21		240	0																								
	Switchyard	491	100%	02-Mar-20 A	02-Dec-21	0	0																								
TSE-1060	TSE-4b - Notice to CAISO	0	100%	02-Mar-20 A			0																								
TSE-1050	TSE-4a - Notice to CAISO	0	100%	06-Mar-20 A			0																								
TSE-1090	TSE-5d - As-Built Drawings	0	100%	14-May-20 A			0																								
TSE-1080	TSE-5c - As-Built Drawings	0	100%	14-May-20 A			0																								
TSE-1070	TSE-5b - As-Built Drawings	0	100%	14-May-20 A			0																								
TSE-1020	TSE-2b - Final Switchyard Design	0	0%	02-Dec-21		0	0																								
Visual		250	28.12%	03-Feb-20 A	05-Feb-21	240	0																								
VIS-1010	VIS-2a - Screening Landscaping Plan	0	100%	03-Feb-20 A			0																								
VIS-1020	VIS-2c - Landscape Installation Timing	0	100%	16-May-20 A			0																								
VIS-1030	VIS-2d - Landscaping Ready for Inspection	0	100%	21-May-20 A			0																								
VIS-1000	VIS-1c - Notification that Treatment Completed	0	0%	25-Jun-20		420	0																								
VIS-1100	VIS-4h - Pre-COD Inspection	0	0%	05-Feb-21		240	0																								
VIS-1080	VIS-4d - Lighting Inspection Ready Notification	0	0%	05-Feb-21		240	0																								
Waste		200	0%	31-May-20	05-Feb-21	240	0																								
WASTE-1020	WASTE-1b - SMP Summary	0	0%	31-May-20		440	10																								
WASTE-1050	WASTE-8a - Operation Waste Management Plan	0	0%	05-Feb-21		240	0																								
Worker Safety		295	100%	28-Jul-19 A	30-Jul-20	392	0																								
WRSF-1040	WORKER SAFETY-7c - Fire Protection System Specifi	0	100%	28-Jul-19 A			0																								
WRSF-1020	WORKER SAFETY-7a - Fire Protection System Specifi	0	100%	28-Jul-19 A			0																								
WRSF-1010	WORKER SAFETY-2b - Operations H&S Program	0	100%	09-Mar-20 A			0																								
WRSF-1000	WORKER SAFETY-2a - Operations H&S Program	0	100%	09-Mar-20 A			0																								
WRSF-1060	WORKER SAFETY-8e.1 - Letter to OCFA	0	100%	16-May-20 A			0																								
WRSF-1050	WORKER SAFETY-8e - Letter to OCFA	0	100%	16-May-20 A			0																								
WRSF-1080	WORKER SAFETY-8f.1 - Final UL Certification of ESS	0	0%	30-Jul-20		392	0																								
WRSF-1070	WORKER SAFETY-8f - Final UL Certification of ESS	0	0%	30-Jul-20		392	0																								
LM6000 Construction Schedule								367	100%	28-Feb-16 A	01-Sep-20	251	0																		
Stanton Energy Reliability Center - 03MAY20								367	100%	28-Feb-16 A	01-Sep-20	251	0																		
Milestones								366	100%	09-Nov-18 A	01-Sep-20	251	0																		
Contract Milestones								314	100%	09-Nov-18 A	30-May-20 A		0																		
00-Milest-110	Contract Negotiations	34	100%	09-Nov-18 A	21-Dec-18 A		0																								
00-Milest-120	Effective Date	1	100%	24-Dec-18 A	24-Dec-18 A		0																								
00-Milest-130	Commencement Date & NTP = 04FEB19	0	100%	04-Feb-19 A			0																								
00-Milest-190	Scheduled Mechanical Completion Date = 01Mar20	0	100%		01-Mar-20 A		0																								
00-Milest-200	Final Project Completion Date = 30MAY20	0	100%		30-May-20 A		0																								
Project Milestones								334	100%	14-Jan-19 A	01-Sep-20	-53	0																		
00-Milest-300	Kick-off Meeting	1	100%	14-Jan-19 A	14-Jan-19 A		0																								
00-Milest-310	Start of Mobilization	0	100%	04-Feb-19 A			0																								

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

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SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE				WBS Summary					10-Jun-20 10:05																				
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020								2021												2022	
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
	00-Milest-320	Parcel 1 Temp Power Available = 08FEB19	0	100%	08-Feb-19 A		0																						
	00-Milest-240	Begin Site Disturbance = 19FEB19	0	100%	25-Feb-19 A		0																						
	00-Cranes-110	Crane Site Mobilization	1	100%	31-Aug-19 A	31-Aug-19 A	0																						
	00-Cranes-130	Crane Demob	2	100%	20-Nov-19 A	21-Nov-19 A	0																						
	00-Milest-710	Switchyard Substation Construction Completed	0	100%		06-Dec-19 A	0																						
	00-Milest-720	Ready for SCE Start Backfeed	0	100%		06-Dec-19 A	0																						
	00-SwYard-920	Switchyard Substation: SCE Backfeed Completion	0	100%		28-Feb-20 A	0																						
	00-Milest-820	U2 1st Fire Readiness	0	100%		11-Apr-20 A	0																						
	00-Milest-810	U1 1st Fire Readiness	0	100%		14-Apr-20 A	0																						
	00-Milest-620	U1 Mechanical Completion Milestone	0	100%		20-Apr-20 A	0																						
	00-Milest-610	U2 Mechanical Completion Milestone	0	100%		25-Apr-20 A	0																						
	00-Milest-910	Projected Mechanical Completion Date	0	100%		27-Apr-20 A	0																						
	00-Milest-920	Projected Final Completion Date	0	0%		01-Sep-20*	-75	0																					
	Payment Milestones		343	100%	24-Dec-18 A	01-Sep-20	-53	0																					
	Initial Milestones		41	100%	24-Dec-18 A	15-Feb-19 A	0																						
	00-Paymnt-001	At Contract Execution	0	100%		24-Dec-18 A	0																						
	00-Paymnt-003	At Notice to Proceed	0	100%	04-Feb-19 A		0																						
	00-Paymnt-004	Mobilization	0	100%	04-Feb-19 A		0																						
	00-Paymnt-002	Completion of Preliminary Work	0	100%		15-Feb-19 A	0																						
	Site Civil Works - Ductbank Milestones		98	100%	09-May-19 A	28-Oct-19 A	0																						
	00-Paymnt-005	15 kV Ductbank Trenching Complete	0	100%		09-May-19 A	0																						
	00-Paymnt-009	15 kV Ductbank Installed	0	100%		29-May-19 A	0																						
	00-Paymnt-008	Ductbank Materials Procurement Complete	0	100%		26-Jul-19 A	0																						
	00-Paymnt-006	66 kV Ductbank Trenching Complete	0	100%		06-Sep-19 A	0																						
	00-Paymnt-010	66 kV Ductbank Installed	0	100%		12-Sep-19 A	0																						
	00-Paymnt-007	480 Volt Ductbank Trenching Complete	0	100%		16-Sep-19 A	0																						
	00-Paymnt-011	480 Volt Ductbank Installed	0	100%		28-Oct-19 A	0																						
	Site Civil Works - Parcel 1 Milestones		187	100%	06-May-19 A	06-Mar-20 A	0																						
	00-Paymnt-013	Spoils Delivery Complete of Parcel 1	0	100%		06-May-19 A	0																						
	00-Paymnt-012	Mass Excavation of Parcel 1 Complete	0	100%		06-May-19 A	0																						
	00-Paymnt-014	Installation of Geotextile and Associated Aggregate	0	100%		17-May-19 A	0																						
	00-Paymnt-015	Recompaction necessary for Installation of Major Fou	0	100%		08-Jul-19 A	0																						
	00-Paymnt-016	Recompaction back to Rough Grade after Foundation	0	100%		06-Mar-20 A	0																						
	Site Civil Works - Water Farm Milestones		90	100%	28-Feb-19 A	08-Jul-19 A	0																						
	00-Paymnt-017	Mass Excavation for Water Farm Area (including Demi	0	100%		28-Feb-19 A	0																						
	00-Paymnt-018	Installation of Geotextile and Associated Aggregate C	0	100%		28-Feb-19 A	0																						
	00-Paymnt-019	Recompaction necessary for Installation of Foundatio	0	100%		08-Jul-19 A	0																						
	Site Civil Works - Warehouse Milestones		138	100%	22-Jul-19 A	02-Mar-20 A	0																						
	00-Paymnt-022	Recompaction necessary for Installation of Warehous	0	100%		22-Jul-19 A	0																						
	00-Paymnt-020	Mass Excavation for Warehouse Area - Scope Elimina	0	100%		22-Jul-19 A	0																						
<div><div></div> Remaining Level of Effort</div> <div><div></div> Actual Level of Effort</div>			<div><div></div> Actual Work</div> <div><div></div> Remaining Work</div>			<div><div></div> Critical Remaining Work</div> <div><div></div> Milestone</div>			Page 6 of 20								TASK filter: Not Level Of Effort.								© Oracle Corporation				

SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE			WBS Summary					10-Jun-20 10:05																					
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020								2021												2022	
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
	00-Paymnt-021	Installation of Geotextile and Associated Aggregate C	0	100%		02-Mar-20 A	0																						
	Bridge Milestones		28	100%	26-Jul-19 A	13-Sep-19 A	0																						
	00-Paymnt-023	Vehicle Bridge Installation Complete and Approved for	0	100%		26-Jul-19 A	0																						
	00-Paymnt-024	Utility Bridge Installation Complete with CBO Approva	0	100%		13-Sep-19 A	0																						
	Structural - Major Foundation Milestones		58	100%	06-May-19 A	16-Sep-19 A	0																						
	00-Paymnt-028	Ammonia Sump Pit	0	100%		06-May-19 A	0																						
	00-Paymnt-027	Ammonia Tank Foundation and Sump	0	100%		07-Jun-19 A	0																						
	00-Paymnt-034	CTG2 Foundation Poured	0	100%		25-Jun-19 A	0																						
	00-Paymnt-030	CTG2 Foundation Formed	0	100%		08-Jul-19 A	0																						
	00-Paymnt-032	ERU2 Centerline Foundations Formed (including Stac	0	100%		08-Jul-19 A	0																						
	00-Paymnt-025	Receipt of all Shop Fab Rebar at Site	0	100%		26-Jul-19 A	0																						
	00-Paymnt-029	CTG1 Foundation Formed	0	100%		26-Jul-19 A	0																						
	00-Paymnt-031	ERU1 Centerline Foundations Formed (including Stac	0	100%		26-Jul-19 A	0																						
	00-Paymnt-033	CTG1 Foundation Poured	0	100%		26-Jul-19 A	0																						
	00-Paymnt-036	ERU2 Centerline Foundations Poured (including Stack	0	100%		26-Jul-19 A	0																						
	00-Paymnt-026	GSU Foundation Poured	0	100%		16-Sep-19 A	0																						
	00-Paymnt-035	ERU1 Centerline Foundations Poured (including Stack	0	100%		16-Sep-19 A	0																						
	Structural - Minor Foundation Milestones		134	100%	06-May-19 A	08-Jan-20 A	0																						
	00-Paymnt-038	Demin Water Tank	0	100%		06-May-19 A	0																						
	00-Paymnt-039	RO Skid	0	100%		20-Jun-19 A	0																						
	00-Paymnt-040	Demin Water Skid	0	100%		28-Jun-19 A	0																						
	00-Paymnt-043	480 Volt MCC - Water Treatment	0	100%		02-Jul-19 A	0																						
	00-Paymnt-046	Utility Bridge Abutments	0	100%		17-Jul-19 A	0																						
	00-Paymnt-049	Utility Rack Supports	0	100%		17-Jul-19 A	0																						
	00-Paymnt-045	Spread Footings for Roofless Enclosure U2	0	100%		26-Jul-19 A	0																						
	00-Paymnt-048	PDM Columns	0	100%		05-Sep-19 A	0																						
	00-Paymnt-041	Fogging Water Skid U1	0	100%		16-Sep-19 A	0																						
	00-Paymnt-042	Fogging Water Skid U2	0	100%		16-Sep-19 A	0																						
	00-Paymnt-044	Spread Footings for Roofless Enclosure U1	0	100%		16-Sep-19 A	0																						
	00-Paymnt-047	Power Distribution Module (PDM) Building Spread Foo	0	100%		16-Sep-19 A	0																						
	00-Paymnt-050	Switchyard Support	0	100%		25-Sep-19 A	0																						
	00-Paymnt-051	Switchyard Substation Module Foundation	0	100%		25-Sep-19 A	0																						
	00-Paymnt-052	Fuel Gas Compressor Area Foundations	0	100%		26-Sep-19 A	0																						
	00-Paymnt-057	BESS Switchgear Foundation	0	100%		04-Oct-19 A	0																						
	00-Paymnt-055	CTG2 Miscellaneous Foundations	0	100%		16-Oct-19 A	0																						
	00-Paymnt-053	CTG1 Miscellaneous Foundations	0	100%		22-Nov-19 A	0																						
	00-Paymnt-037	Receipt of Shop Fab Rebar at Site	0	100%		23-Nov-19 A	0																						
	00-Paymnt-056	ERU2 Miscellaneous Foundations	0	100%		03-Jan-20 A	0																						
	00-Paymnt-054	ERU1 Miscellaneous Foundations	0	100%		08-Jan-20 A	0																						
<div><div></div> Remaining Level of Effort</div> <div><div></div> Actual Level of Effort</div>			<div><div></div> Actual Work</div> <div><div></div> Remaining Work</div> <div><div></div> Milestone</div>			Page 7 of 20						TASK filter: Not Level Of Effort.														© Oracle Corporation			

SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE			WBS Summary					10-Jun-20 10:05																					
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020								2021												2022	
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
	UG Storm Water System Milestones		198	100%	27-Mar-19 A	30-Mar-20 A		0																					
	00-Paymnt-058	Procure Storm Drain Pipe	0	100%		27-Mar-19 A		0																					
	00-Paymnt-060	Install Storm Drain Pipe North	0	100%		31-Jan-20 A		0																					
	00-Paymnt-059	Install Storm Drain Pipe South	0	100%		26-Feb-20 A		0																					
	00-Paymnt-061	Install all other Storm Drain Segments	0	100%		30-Mar-20 A		0																					
	00-Paymnt-062	HydroTest Stormwater Systems	0	100%		30-Mar-20 A		0																					
	UG Piping Installation Milestones		186	100%	26-Apr-19 A	03-Apr-20 A		0																					
	00-Paymnt-063	Procure Underground Pipe	0	100%		26-Apr-19 A		0																					
	00-Paymnt-065	Install Demin Water pipe	0	100%		17-Jun-19 A		0																					
	00-Paymnt-064	Install Natural Gas pipe	0	100%		16-Mar-20 A		0																					
	00-Paymnt-067	HydroTest Underground Piping Systems	0	100%		16-Mar-20 A		0																					
	00-Paymnt-066	Install Fire Main	0	100%		03-Apr-20 A		0																					
	UG Ground Grid Milestones		174	100%	26-Jun-19 A	08-May-20 A		0																					
	00-Paymnt-069	Installation of Ground Grid - Switchyard Substation An	0	100%		26-Jun-19 A		0																					
	00-Paymnt-068	Procure Ground Grid	0	100%		26-Jul-19 A		0																					
	00-Paymnt-071	Installation of Ground Grid - Power Island 2	0	100%		26-Jul-19 A		0																					
	00-Paymnt-072	Installation of Ground Grid - Water Farm Area	0	100%		26-Jul-19 A		0																					
	00-Paymnt-070	Installation of Ground Grid - Power Island 1	0	100%		06-Sep-19 A		0																					
	00-Paymnt-073	Installation of Ground Grid - BESS 15 kV Switchgear A	0	100%		04-Oct-19 A		0																					
	00-Paymnt-075	Installation of Ground Grid - Remainder	0	100%		28-Feb-20 A		0																					
	00-Paymnt-074	Installation of Ground Grid - Perimeter	0	100%		08-May-20 A		0																					
	Unit Substation Milestones		59	100%	30-Aug-19 A	06-Dec-19 A		0																					
	00-Paymnt-080	Switchyard, Substation: Protection Module	0	100%		30-Aug-19 A		0																					
	00-Paymnt-076	Set GSU	0	100%		04-Sep-19 A		0																					
	00-Paymnt-077	GSU Dress Out Complete	0	100%		11-Sep-19 A		0																					
	00-Paymnt-078	GSU Auxiliary Connections Complete	0	100%		30-Oct-19 A		0																					
	00-Paymnt-079	All other 66 kV Apparatus Installed and Conductors Cc	0	100%		22-Nov-19 A		0																					
	00-Paymnt-081	High Voltage Protective Relay Testing Complete	0	100%		06-Dec-19 A		0																					
	CTG1 Components Setting and Installation Milestones		120	100%	19-Sep-19 A	27-Apr-20 A		0																					
	00-Paymnt-083	CTG1 - Install Base Plates	0	100%		19-Sep-19 A		0																					
	00-Paymnt-084	CTG1 - Level CTG Frame	0	100%		27-Sep-19 A		0																					
	00-Paymnt-082	CTG1 - Shake Out CTG Parts	0	100%		28-Sep-19 A		0																					
00-Paymnt-088	CTG1 - Install VBV Ducting	0	100%		14-Oct-19 A		0																						
00-Paymnt-089	CTG1 - Install Air Filter Housing	0	100%		18-Oct-19 A		0																						
00-Paymnt-086	CTG1 - Install Air Intake Trans Ducting	0	100%		18-Oct-19 A		0																						
00-Paymnt-087	CTG1 - Install Generator Vent Ducting	0	100%		29-Oct-19 A		0																						
00-Paymnt-090	CTG1 - Air Housing Internals	0	100%		28-Jan-20 A		0																						
00-Paymnt-092	CTG1 - Final Wipe Down Air Inlet	0	100%		15-Feb-20 A		0																						
00-Paymnt-091	CTG1 - Final Check and Grout	0	100%		22-Feb-20 A		0																						
00-Paymnt-085	CTG1 - Internal Final Alignment Checks	0	100%		28-Feb-20 A		0																						
<div><div></div> Remaining Level of Effort</div> <div><div></div> Actual Level of Effort</div>			<div><div></div> Actual Work</div> <div><div></div> Remaining Work</div>			<div><div></div> Critical Remaining Work</div> <div><div></div> Milestone</div>			Page 8 of 20								TASK filter: Not Level Of Effort.								© Oracle Corporation				

SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE

WBS Summary

10-Jun-20 10:05

Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020							2021												2022	
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
	00-Paymnt-093	CTG1 - GE Signoff	0	100%		27-Apr-20 A	0																					
	CTG2 Components Setting and Installation Milestones		120	100%	27-Sep-19 A	27-Apr-20 A	0																					
	00-Paymnt-094	CTG2 - Shake Out CTG Parts	0	100%		27-Sep-19 A	0																					
	00-Paymnt-095	CTG2 - Install Base Plates	0	100%		27-Sep-19 A	0																					
	00-Paymnt-096	CTG2 - Level CTG Frame	0	100%		27-Sep-19 A	0																					
	00-Paymnt-101	CTG2 - Install Air Filter Housing	0	100%		22-Nov-19 A	0																					
	00-Paymnt-098	CTG2 - Install Air Intake Trans Ducting	0	100%		22-Nov-19 A	0																					
	00-Paymnt-100	CTG2 - Install VBV Ducting	0	100%		12-Dec-19 A	0																					
	00-Paymnt-097	CTG2 - Internal Final Alignment Checks	0	100%		13-Dec-19 A	0																					
	00-Paymnt-103	CTG2 - Final Check and Grout	0	100%		17-Jan-20 A	0																					
	00-Paymnt-102	CTG2 - Air Housing Internals	0	100%		30-Jan-20 A	0																					
	00-Paymnt-104	CTG2 - Final Wipe Down Air Inlet	0	100%		01-Feb-20 A	0																					
	00-Paymnt-099	CTG2 - Install Generator Vent Ducting	0	100%		22-Feb-20 A	0																					
	00-Paymnt-105	CTG2 - GE Signoff	0	100%		27-Apr-20 A	0																					
	ERU1 Components Setting and Installation Milestones		63	100%	26-Nov-19 A	23-Apr-20 A	0																					
	00-Paymnt-106	ERU1 - Complete Field Bolt Up and all Sections Set	0	100%		26-Nov-19 A	0																					
	00-Paymnt-107	ERU1 - Insulation and Liner Plates	0	100%		28-Feb-20 A	0																					
	00-Paymnt-108	ERU1 - Field Load Catalyst	0	100%		23-Apr-20 A	0																					
	ERU2 Components Setting and Installation Milestones		108	100%	06-Sep-19 A	20-Apr-20 A	0																					
	00-Paymnt-112	Set Fuel Gas Compressor Equipment	0	100%		06-Sep-19 A	0																					
	00-Paymnt-113	Set Demin Area Equipment	0	100%		13-Sep-19 A	0																					
	00-Paymnt-118	Set Ammonia Forwarding Skid	0	100%		16-Sep-19 A	0																					
	00-Paymnt-119	Ammonia Tank	0	100%		16-Sep-19 A	0																					
	00-Paymnt-114	Set PDM and Control Modules	0	100%		02-Oct-19 A	0																					
	00-Paymnt-109	ERU2 - Complete Field Bolt Up and all Sections Set	0	100%		21-Nov-19 A	0																					
	00-Paymnt-116	Set ERU Aux Skid - Ammonia Vaporization Skids	0	100%		17-Dec-19 A	0																					
	00-Paymnt-115	Set CTG Aux Skids	0	100%		20-Dec-19 A	0																					
	00-Paymnt-110	ERU2 - Insulation and Liner Plates	0	100%		03-Jan-20 A	0																					
	00-Paymnt-117	Set CEMS Buildings	0	100%		13-Jan-20 A	0																					
	00-Paymnt-111	ERU2 - Field Load Catalyst	0	100%		20-Apr-20 A	0																					
	Demin Water Tank Milestones		34	100%	23-Sep-19 A	02-Dec-19 A	0																					
	00-Paymnt-120	Demin Water Tank Materials Delivered at Site	0	100%		23-Sep-19 A	0																					
	00-Paymnt-121	Demin Water Tank Installation Complete	0	100%		02-Dec-19 A	0																					
	AG Piping Installation Milestones		90	100%	30-Aug-19 A	16-Mar-20 A	0																					
	00-Paymnt-122	Procurement of AG Pipe Materials and Receipt of 100'	0	100%		30-Aug-19 A	0																					
	00-Paymnt-126	Rack and Utility Bridge Piping (Demin Water)	0	100%		16-Sep-19 A	0																					
	00-Paymnt-123	Lube Oil Piping CTG1 and CTG2	0	100%		10-Dec-19 A	0																					
	00-Paymnt-124	Demin Water @ CTG1 and CTG2	0	100%		10-Dec-19 A	0																					
	00-Paymnt-125	Demin Water @ Tank Area	0	100%		10-Dec-19 A	0																					
	00-Paymnt-128	Ammonia System Piping	0	100%		20-Dec-19 A	0																					

Remaining Level of Effort

Actual Work

Critical Remaining Work

Actual Level of Effort

Remaining Work

◆

◆ Milestone

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TASK filter: Not Level Of Effort.

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SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE				WBS Summary				10-Jun-20 10:05																					
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020								2021												2022	
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
	00-Paymnt-127	CTG Package Drain System	0	100%		29-Feb-20 A		0																					
	00-Paymnt-129	Natural Gas System Piping	0	100%		16-Mar-20 A		0																					
	Electrical Procurement Milestones		76	100%	16-Sep-19 A	22-Jan-20 A		0																					
	00-Paymnt-130	Cable Tray Procurement (Received on Site 100%)	0	100%		16-Sep-19 A		0																					
	00-Paymnt-134	Fabricated Structural Steel Procurement (Received on	0	100%		16-Sep-19 A		0																					
	00-Paymnt-132	13.8 kV Cable Procurement (Received on Site 100%)	0	100%		08-Dec-19 A		0																					
	00-Paymnt-131	AG Conduit Procurement (Received on Site 100%)	0	100%		03-Jan-20 A		0																					
	00-Paymnt-133	480 V Cable Procurement (Received on Site 100%)	0	100%		22-Jan-20 A		0																					
	U1 Medium Voltage Milestones		34	100%	05-Dec-19 A	10-Feb-20 A		0																					
	00-Paymnt-135	U1 MV - Set 15 kV Switchgear 1	0	100%		05-Dec-19 A		0																					
	00-Paymnt-139	U1 MV - 13.8 kV Cable from 15 kV Switchgear 1 to CTI	0	100%		19-Dec-19 A		0																					
	00-Paymnt-140	U1 MV - 13.8 kV Cable from 15 kV Switchgear 1 to CTI	0	100%		28-Dec-19 A		0																					
	00-Paymnt-146	U1 MV - AG Conduit Installed	0	100%		06-Jan-20 A		0																					
	00-Paymnt-145	U1 MV - Cable Tray Installed	0	100%		06-Jan-20 A		0																					
	00-Paymnt-141	U1 MV - 13.8 kV Cable from 15 kV Switchgear 1 to 480	0	100%		13-Jan-20 A		0																					
	00-Paymnt-138	U1 MV - 13.8 kV Cable from 15 kV Switchgear 1 to GS	0	100%		13-Jan-20 A		0																					
	00-Paymnt-143	U1 MV - 15 kV Switchgear Protective Relay Testing Co	0	100%		15-Jan-20 A		0																					
	00-Paymnt-142	U1 MV - 13.8 kV Cable from 15 kV Switchgear 1 to 480	0	100%		16-Jan-20 A		0																					
	00-Paymnt-144	U1 MV - 480 V Xfmr 1 Protective Relay Testing Comple	0	100%		21-Jan-20 A		0																					
	00-Paymnt-136	U1 MV - Set 480 V Aux Xfmr 1	0	100%		01-Feb-20 A		0																					
	00-Paymnt-137	U1 MV - 13.8 kV Cable from 15 kV Switchgear 1 to GS	0	100%		10-Feb-20 A		0																					
	U2 Medium Voltage Milestones		64	100%	07-Oct-19 A	15-Feb-20 A		0																					
	00-Paymnt-157	U2 MV - Cable Tray Installed	0	100%		07-Oct-19 A		0																					
	00-Paymnt-147	U2 MV - Set 15 kV Switchgear 2	0	100%		29-Oct-19 A		0																					
	00-Paymnt-149	U2 MV - 13.8 kV Cable from 15 kV Switchgear 2 to GS	0	100%		19-Dec-19 A		0																					
	00-Paymnt-151	U2 MV - 13.8 kV Cable from 15 kV Switchgear 2 to CTI	0	100%		19-Dec-19 A		0																					
	00-Paymnt-152	U2 MV - 13.8 kV Cable from 15 kV Switchgear 2 to CTI	0	100%		19-Dec-19 A		0																					
	00-Paymnt-155	U2 MV - 15 kV Switchgear Protective Relay Testing Co	0	100%		28-Dec-19 A		0																					
	00-Paymnt-158	U2 MV - AG Conduit Installed	0	100%		31-Dec-19 A		0																					
	00-Paymnt-150	U2 MV - 13.8 kV Cable from 15 kV Switchgear 2 to GS	0	100%		07-Jan-20 A		0																					
	00-Paymnt-153	U2 MV - 13.8 kV Cable from 15 kV Switchgear 2 to 480	0	100%		08-Jan-20 A		0																					
	00-Paymnt-154	U2 MV - 13.8 kV Cable from 15 kV Switchgear 2 to 480	0	100%		13-Jan-20 A		0																					
	00-Paymnt-148	U2 MV - Set 480 V Aux Xfmr 2	0	100%		01-Feb-20 A		0																					
	00-Paymnt-156	U2 MV - 480 V Xfmr 2 Protective Relay Testing Comple	0	100%		15-Feb-20 A		0																					

SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE			WBS Summary					10-Jun-20 10:05																				
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020							2021												2022	
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
	00-Paymnt-163	BESS MV - 13.8 kV Cable from BESS 15 kV Switchgear	0	100%		04-Oct-19 A		0																				
	00-Paymnt-164	BESS MV - 15 kV Switchgear Protective Relay Testing	0	100%		04-Oct-19 A		0																				
	4160 V System Milestones		53	100%	02-Oct-19 A	29-Jan-20 A		0																				
	00-Paymnt-165	4160 V System - Set 13.8 kV-4160V Xfmr	0	100%		02-Oct-19 A		0																				
	00-Paymnt-166	4160 V System - Set 5 kV Switchgear	0	100%		29-Oct-19 A		0																				
	00-Paymnt-167	4160 V System - 13.8 kV Cable from 15 kV Switchgear	0	100%		29-Jan-20 A		0																				
	00-Paymnt-168	4160 V System - 13.8 kV Cable from 15 kV Switchgear	0	100%		29-Jan-20 A		0																				
	00-Paymnt-169	4160 V System - 4160 V Area Electrical Installation Complete	0	100%		29-Jan-20 A		0																				
	U1 480 Volt System Milestones		25	100%	16-Jan-20 A	14-Mar-20 A		0																				
	00-Paymnt-170	U1 480 V System - 480 Volt Feeder Cables from Aux X	0	100%		16-Jan-20 A		0																				
	00-Paymnt-172	U1 480 V System - Pull 480 Volt Cables to all 480 Volt	0	100%		31-Jan-20 A		0																				
	00-Paymnt-171	U1 480 V System - 480 Volt Feeder Cables from PDM	0	100%		01-Feb-20 A		0																				
	00-Paymnt-173	U1 480 V System - Termination of 480 Volt Cables to a	0	100%		14-Mar-20 A		0																				
	U2 480 Volt System Milestones		42	100%	28-Dec-19 A	30-Jan-20 A		0																				
	00-Paymnt-175	U2 480 V System - 480 Volt Feeder Cables from PDM	0	100%		28-Dec-19 A		0																				
	00-Paymnt-177	U2 480 V System - Termination of 480 Volt Cables to a	0	100%		09-Jan-20 A		0																				
	00-Paymnt-174	U2 480 V System - 480 Volt Feeder Cables from Aux X	0	100%		13-Jan-20 A		0																				
	00-Paymnt-176	U2 480 V System - Pull 480 Volt Cables to all 480 Volt	0	100%		30-Jan-20 A		0																				
	Start-Up and Commissioning Milestones		16	100%	16-Jan-20 A	24-Apr-20 A		0																				
	00-Paymnt-183	SU&C - Natural Gas Piping - Air Blows Common	0	100%		16-Jan-20 A		0																				
	00-Paymnt-185	SU&C - Natural Gas Piping - Air Blows U2	0	100%		24-Jan-20 A		0																				
	00-Paymnt-180	SU&C - Electrical Testing U2	0	100%		31-Jan-20 A		0																				
	00-Paymnt-184	SU&C - Natural Gas Piping - Air Blows U1	0	100%		12-Feb-20 A		0																				
	00-Paymnt-182	SU&C - Lube Oil Flush U2	0	100%		15-Feb-20 A		0																				
	00-Paymnt-181	SU&C - Lube Oil Flush U1	0	100%		22-Feb-20 A		0																				
	00-Paymnt-179	SU&C - Electrical Testing U1	0	100%		06-Mar-20 A		0																				
	00-Paymnt-178	SU&C - Electrical Testing Plant Common	0	100%		24-Apr-20 A		0																				
	Misc Milestones		159	100%	22-Jul-19 A	08-May-20 A		0																				
	00-Paymnt-191	Install Warehouse Building - Scope Eliminated by Owner	0	100%		22-Jul-19 A		0																				
	00-Paymnt-187	Issue Purchase Orders for All Buildings	0	100%		26-Jul-19 A		0																				
	00-Paymnt-188	Receipt of Building Material On Site	0	100%		06-Dec-19 A		0																				
	00-Paymnt-190	Install Roofless Building U2	0	100%		14-Apr-20 A		0																				
	00-Paymnt-189	Install Roofless Building U1	0	100%		15-Apr-20 A		0																				
	00-Paymnt-192	Install Perimeter Fence and Gates (Fence Grounding i	0	100%		08-May-20 A		0	◆																			
	Completion Milestones		88	100%	20-Apr-20 A	01-Sep-20	-53	0																				
	00-Paymnt-186	Mechanical Completion	0	100%		20-Apr-20 A		0																				
	00-Paymnt-193	Final Construction Completion	0	100%		15-May-20 A		0	◆																			
	00-Paymnt-194	Final Project Completion	0	0%		01-Sep-20	-53	0			◆																	
Inclement Weather / Rain Days			226	100%	04-Mar-19 A	10-Apr-20 A		0																				
	00-RainD-001	TIMP: 04MAR19 Rain Over Weekend, No Hauling	1	100%	04-Mar-19 A	04-Mar-19 A		0																				
◆ Remaining Level of Effort			◆ Actual Work			◆ Critical Remaining Work																						
◆ Actual Level of Effort			◆ Remaining Work			◆ Milestone																						
								Page 11 of 20								TASK filter: Not Level Of Effort.												
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SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE			WBS Summary						10-Jun-20 10:05																				
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020								2021												2022	
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
	00-RainD-002	TIMP: 04MAR19 Rain Over Weekend, No Hauling	1	100%	04-Mar-19 A	04-Mar-19 A		0																					
	00-RainD-003	TIMP: 27NOV19 Rained - Partial Work Day	1	100%	27-Nov-19 A	27-Nov-19 A		0																					
	00-RainD-004	TIMP: 10MAR20 Rained - Partial - Work Day - Stopped	1	100%	10-Mar-20 A	10-Mar-20 A		0																					
	00-RainD-005	TIMP: 12MAR20 Rained - Partial After Lanuch - Work I	1	100%	12-Mar-20 A	12-Mar-20 A		0																					
	00-RainD-006	TIMP: 13MAR20 Rained - Moming Rain- Work Day - St	1	100%	13-Mar-20 A	13-Mar-20 A		0																					
	00-RainD-007	TIMP: 06APR20 Rained - No Outside Work, only Pum	1	100%	06-Apr-20 A	06-Apr-20 A		0																					
	00-RainD-008	TIMP: 09APR20 Rained - IW & BM When Home at 10:	1	100%	09-Apr-20 A	09-Apr-20 A		0																					
	00-RainD-009	TIMP: 10APR20 Rained - Muddy Condition, limited Ou	1	100%	10-Apr-20 A	10-Apr-20 A		0																					
	Trailer - Move / Down Size to New Location		4	100%	24-Feb-20 A	28-Feb-20 A		0																					
	00-Move-100	TIMP: BOP - Pack & Move All Project Staff & Client to	4	100%	24-Feb-20 A	28-Feb-20 A		0																					
	Request for Information (RFIs)		222	100%	06-Jun-19 A	06-Apr-20 A		0																					
	00-RFIs-0131	RFI.00131- Request forTermination Information	163	100%	06-Jun-19 A	31-Mar-20 A		0																					
	00-RFIs-0166	RFI.00166 - Weld Sizing and Length for PDM/CMs	4	100%	03-Jul-19 A	08-Jul-19 A		0																					
	00-RFIs-0246	RFI.00246 - CT Enclosure Attachment for Conduit Sup	4	100%	11-Oct-19 A	23-Oct-19 A		0																					
	00-RFIs-0252	RFI.00252 - GSU to Cable Rack Issues, Per Design, B	4	100%	16-Oct-19 A	23-Oct-19 A		0																					
	00-RFIs-0273	RFI.00273- Missing Communication Schematic and C	6	100%	30-Oct-19 A	19-Nov-19 A		0																					
	00-RFIs-0284	RFI.00284- RO Skid Control Panel (0DMW-LCP-01)Ter	4	100%	12-Nov-19 A	18-Nov-19 A		0																					
	00-RFIs-0281	RFI.00281 - Cable Type P.62501-2 Clarification	4	100%	12-Nov-19 A	21-Nov-19 A		0																					
	00-RFIs-0285	RFI.00285- Request for IFC Comprehensive Jumper L	4	100%	15-Nov-19 A	25-Nov-19 A		0																					
	00-RFIs-0286	RFI.00286- 7274905-504007 (GE Termination Issues)	4	100%	15-Nov-19 A	13-Dec-19 A		0																					
	00-RFIs-0287	RFI.00287- Wire Descrepancy for Circuits 1I-CTG-DC6	4	100%	15-Nov-19 A	06-Dec-19 A		0																					
	00-RFIs-0291	RFI.00291-Cable 0P-UPS-17 Neutral Connection Cabl	4	100%	21-Nov-19 A	13-Dec-19 A		0																					
	00-RFIs-0297	RFI.00297- Missing Switchyard Terminations and Infor	4	100%	22-Nov-19 A	06-Dec-19 A		0																					
	00-RFIs-0298	RFI.00298- Termination Points Missing forAE02, AE03	4	100%	22-Nov-19 A	26-Nov-19 A		0																					
	00-RFIs-0299	RFI.00299- Termination Issues at MCC Buckets	4	100%	22-Nov-19 A	09-Dec-19 A		0																					
	00-RFIs-0293	RFI.00293- Missing Relay/Breaker Settings and Files	4	100%	22-Nov-19 A	06-Dec-19 A		0																					
	00-RFIs-0302	RFI.00302- Unit 2 Control Panel Missing Termination E	4	100%	26-Nov-19 A	17-Dec-19 A		0																					
	00-RFIs-0304	RFI.00304 - Missing Switchyard Terminations and Info	4	100%	26-Nov-19 A	06-Dec-19 A		0																					
	00-RFIs-0301	RFI.00301 - Missing Switchyard Terminations and Info	4	100%	26-Nov-19 A	06-Dec-19 A		0																					
	00-RFIs-0312	RFI.00312 - Missing Switchyard Terminations and Info	4	100%	04-Dec-19 A	16-Dec-19 A		0																					
	00-RFIs-0313	RFI.00313 - Missing Termination Information for 1C-MK	4	100%	04-Dec-19 A	06-Dec-19 A		0																					
	00-RFIs-0309	RFI.00309 - Termination for 2C-MCC-03	4	100%	04-Dec-19 A	09-Dec-19 A		0																					
	00-RFIs-0310	RFI.00310 - CTG-DC64/DC64x Clarification	4	100%	04-Dec-19 A	12-Dec-19 A		0																					
	00-RFIs-0314	RFI.00314 - Charger Tags (0ELV-BATT-05, 1ELV-BATT-1	4	100%	04-Dec-19 A	16-Dec-19 A		0																					
	00-RFIs-0320	RFI.00320 - Missing Termination Information for 1C-MK	4	100%	09-Dec-19 A	13-Dec-19 A		0																					
	00-RFIs-0317	RFI.00317 - Location of 1CEM-DAHS-01 and 2CEM-D/	4	100%	09-Dec-19 A	17-Dec-19 A		0																					
	00-RFIs-0318	RFI.00318 - 1/2P-UPS-07 Cables Not Terminated at Fo	4	100%	09-Dec-19 A	12-Dec-19 A		0																					
	00-RFIs-0319	RFI.00319 - 1C-CTG-AC204 and 2C-CTG-AC204 Term	4	100%	09-Dec-19 A	12-Dec-19 A		0																					
	00-RFIs-0316	RFI.00316 - PWP246 - Generator to Cubicle Flexible Li	4	100%	09-Dec-19 A	07-Jan-20 A		0																					
<div><div></div> Remaining Level of Effort</div> <div><div></div> Actual Level of Effort</div>			<div><div></div> Actual Work</div> <div><div></div> Remaining Work</div>			<div><div></div> Critical Remaining Work</div> <div><div></div> Milestone</div>			Page 12 of 20								TASK filter: Not Level Of Effort.								© Oracle Corporation				

SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE			WBS Summary						10-Jun-20 10:05																							
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020								2021												2022				
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
	00-RFIs-0332	RFI.00332 - As-Built/ Location Drawings Needed for M	4	100%	11-Dec-19 A	23-Jan-20 A		0																								
	00-RFIs-0323	RFI.00323 - Aux Skid Roxtec Cable Entry	4	100%	12-Dec-19 A	19-Dec-19 A		0																								
	00-RFIs-0324	RFI.00324 - Voltage Meter for GSU in the TCP	4	100%	12-Dec-19 A	17-Dec-19 A		0																								
	00-RFIs-0329	RFI.00329 - Unlabeled I/O modules within RO Skid Pa	4	100%	17-Dec-19 A	18-Dec-19 A		0																								
	00-RFIs-0331	RFI.00331 - DC232 Cable Types	4	100%	17-Dec-19 A	27-Jan-20 A		0																								
	00-RFIs-0328	RFI.00328 - Missing CTs for the LV MCCs - 19B078	4	100%	17-Dec-19 A	23-Dec-19 A		0																								
	00-RFIs-0334	RFI.00334 - As-Built/ Location Drawings Needed for M	4	100%	20-Dec-19 A	23-Dec-19 A		0																								
	00-RFIs-0335	RFI.00335- Breaker Resistor Cable Lengths	4	100%	20-Dec-19 A	02-Jan-20 A		0																								
	00-RFIs-0336	RFI.00336 - Breaking Resistor Cable Type	4	100%	23-Dec-19 A	30-Dec-19 A		0																								
	00-RFIs-0337	RFI.00337 - Missing "SIGNAL" terminals for AIT-280/2	4	100%	23-Dec-19 A	06-Jan-20 A		0																								
	00-RFIs-0338	RFI.00338 - DC208 and DC209 Cable Types	4	100%	26-Dec-19 A	21-Jan-20 A		0																								
	00-RFIs-0341	RFI.00341 - AC204 Terminations on JB7	4	100%	31-Dec-19 A	16-Jan-20 A		0																								
	00-RFIs-0342	RFI.00342 - GE Termination Clarification	4	100%	31-Dec-19 A	16-Jan-20 A		0																								
	00-RFIs-0343	RFI.00343 - DC550 Cable Size Issue	4	100%	31-Dec-19 A	16-Jan-20 A		0																								
	00-RFIs-0344	RFI.00344 - DC551 Cable Size Issue	4	100%	31-Dec-19 A	16-Jan-20 A		0																								
	00-RFIs-0345	RFI.00345 - Termination Points Clarifications for DC30	4	100%	31-Dec-19 A	23-Jan-20 A		0																								
	00-RFIs-0346	RFI.00346 - 0I-FGC-51 Terminations Clarification	4	100%	31-Dec-19 A	16-Jan-20 A		0																								
	00-RFIs-0347	RFI.00347 - JB20 Terminations Issues	4	100%	31-Dec-19 A	03-Feb-20 A		0																								
	00-RFIs-0349	RFI.00349 - AC156A Termination Issues	6	100%	02-Jan-20 A	16-Jan-20 A		0																								
	00-RFIs-0351	RFI.00351 - DC550 and DC551 Termination Points	6	100%	06-Jan-20 A	16-Jan-20 A		0																								
	00-RFIs-0352	RFI.00352 - Ref. AC551 and AC552 in the GE cable sc	4	100%	06-Jan-20 A	30-Jan-20 A		0																								
	00-RFIs-0357	RFI.00357 - DC14 and DC13X Termination Points - Ne	8	100%	11-Jan-20 A	27-Jan-20 A		0																								
	00-RFIs-0358	RFI.00358 - LV Breaker Settings - Missing settings to l	3	100%	11-Jan-20 A	16-Jan-20 A		0																								
	00-RFIs-0360	RFI.00360 - Watson Marlow Control Wire Connections	8	100%	13-Jan-20 A	27-Jan-20 A		0																								
	00-RFIs-0369	RFI.00369- As-Found wiring for circuits 1P-CTG-AC46	10	100%	27-Jan-20 A	11-Feb-20 A		0																								
	00-RFIs-0363	RFI.00363 - Battery Charger Cabinet Terms - Issues F	3	100%	29-Jan-20 A	03-Feb-20 A		0																								
	00-RFIs-0364	RFI.00364 - 0I-FGC-116 Term Points - Fuel Gas Comp	14	100%	29-Jan-20 A	28-Feb-20 A		0																								
	00-RFIs-0367	RFI.00367- Provide Destination and Termination Infom	3	100%	29-Jan-20 A	03-Feb-20 A		0																								
	00-RFIs-0370	RFI.00370 - 120VAC Circuit for MV Switchgear - Circu	7	100%	29-Jan-20 A	10-Feb-20 A		0																								
	00-RFIs-0365	RFI.00365 - UPS Panel Schedule Circuit Clarification	5	100%	03-Feb-20 A	10-Feb-20 A		0																								
	00-RFIs-0372	RFI.00372 - Unit 1 Expansion Joint Issue - The Unit 1	3	100%	10-Feb-20 A	13-Feb-20 A		0																								
	00-RFIs-0373	RFI.00373 - Fogging System P&ID - UG line #DRS-230	3	100%	10-Feb-20 A	13-Feb-20 A		0																								
	00-RFIs-0374	RFI.00374 - Outstanding Piping Issues	8	100%	10-Feb-20 A	24-Feb-20 A		0																								
	00-RFIs-0376	RFI.00376 - Terminations Points for circuit 0I-FGC-50	7	100%	19-Feb-20 A	02-Mar-20 A		0																								
	00-RFIs-0379	RFI.00379 - GE Pkg - Provide Beckwith Generator Pro	8	100%	04-Mar-20 A	17-Mar-20 A		0																								
	00-RFIs-0380	RFI.00380 - Clasified Area Light Fixtures	8	100%	09-Mar-20 A	20-Mar-20 A		0																								
	00-RFIs-0381	RFI.00381- Potable and Fire Water Line Elevation	6	100%	11-Mar-20 A	20-Mar-20 A		0																								
	00-RFIs-0383	RFI.00383- Roxtec Cable Protection	8	100%	24-Mar-20 A	06-Apr-20 A		0																								
<div><div></div> Remaining Level of Effort</div> <div><div></div> Actual Level of Effort</div>			<div><div></div> Actual Work</div> <div><div></div> Remaining Work</div>			<div><div></div> Critical Remaining Work</div> <div><div></div> Milestone</div>			Page 13 of 20								TASK filter: Not Level Of Effort.								© Oracle Corporation							

SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE			WBS Summary						10-Jun-20 10:05																				
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020								2021												2022	
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
00-RFIs-0384	RFI.00384- Solid Waste Storage Gate Post Location	2	100%	30-Mar-20 A	01-Apr-20 A		0																						
Supplemental Information		230	100%	08-Oct-19 A	18-Apr-20 A		0																						
Engineering Change Notices		216	100%	08-Oct-19 A	03-Apr-20 A		0																						
00-SUPI-0021	SI-021-PEI - BOP Installation Cable List	4	100%	08-Oct-19 A	09-Jan-20 A		0																						
00-SUPI-0023	SI-023-PEI - BOP Installation Cable List	4	100%	11-Oct-19 A	06-Dec-19 A		0																						
00-SUPI-0024	SI-024-PEI - Power EC00-300 Series One-Line Drawin	4	100%	14-Oct-19 A	06-Dec-19 A		0																						
00-SUPI-0027	SI-027-PEI - Insulation of Heat Trace Cable & Compon	1	100%	17-Dec-19 A	17-Dec-19 A		0																						
00-SUPI-0041	SI-041-PEI - ERC-SI-041-PEI (East Gate Fire Annuncia	1	100%	29-Jan-20 A	29-Jan-20 A		0																						
00-SUPI-0040	SI-040-PEI - BOP - Clock System Updates Rev.1	6	100%	29-Jan-20 A	07-Feb-20 A		0																						
00-SUPI-0043	SI-043-PEI - BOP - FACP-FM200 Fire Panel Power - Ar	2	100%	04-Feb-20 A	05-Feb-20 A		0																						
00-SUPI-0042	SI-042-PEI - WCI_200210 (Fogging Water Flushing Dre	4	100%	07-Feb-20 A	13-Feb-20 A		0																						
00-SUPI-0047	SI-047-PEI - U1 Stack to CEMs Building Conduit	2	100%	07-Feb-20 A	10-Feb-20 A		0																						
00-SUPI-0044	SI-044-PEI - CEMs Mixing Box Modifications	6	100%	11-Feb-20 A	20-Feb-20 A		0																						
00-SUPI-0050	SI-050-PEI - 200213 (SCE-CAISO Meter Cabinets)	1	100%	13-Feb-20 A	13-Feb-20 A		0																						
00-SUPI-0049	SI-049-PEI 200212- BOP - Compressed Air System 12	1	100%	14-Feb-20 A	14-Feb-20 A		0																						
00-SUPI-0036	SI-044-PEI - U1&2 - Gas Tops System at each unit is b	2	100%	14-Feb-20 A	18-Feb-20 A		0																						
00-SUPI-0055	SI-055-PEI - (3-2-20) (87L Cutoff Switch - 311L and L9I	2	100%	02-Mar-20 A	04-Mar-20 A		0																						
00-SUPI-0056	SI-056-PEI - Add (NH3 Tank Level Horn & Light) - IFC	2	100%	06-Mar-20 A	09-Mar-20 A		0																						
00-SUPI-0057	SI-057-PEI - Fuel Gas Vent Pipe Modifications (Packa	2	100%	23-Mar-20 A	25-Mar-20 A		0																						
00-SUPI-0058	SI-058-PEI - East Gate Operator - Additional IO and Cc	2	100%	27-Mar-20 A	03-Apr-20 A		0																						
00-SUPI-0059	SI-059-PEI - U1&2 - ERU Catalyst Roof, Frame and Se	2	100%	27-Mar-20 A	01-Apr-20 A		0																						
PSC Daily Report		4	100%	19-Nov-19 A	19-Nov-19 A		0																						
00-SUPI-0010	Date 11-19-19: IWP 60, U-2 Generator Assy - Issue v	4	100%	19-Nov-19 A	19-Nov-19 A		0																						
Event Files From Saturday 4/18/20		1	100%	18-Apr-20 A	18-Apr-20 A		0																						
00-Event_0418	Event files from Saturday 20200418	1	100%	18-Apr-20 A	18-Apr-20 A		0																						
Field Change Orders		238	100%	26-Nov-19 A	08-May-20 A		0																						
00-FCOs-0124	PCO 980124, BOP - See RFI-0285 - (LS) open	4	100%	26-Nov-19 A	08-Jan-20 A		0																						
00-FCOs-0140	PCO 980140, U02 -Added Jumpers ES00-101 and ES(4	100%	12-Dec-19 A	21-Jan-20 A		0																						
00-FCOs-0142	PCO 980140, SI-027 - Insulation of Heat Trace Cable &	4	100%	17-Dec-19 A	07-Mar-20 A		0																						
00-FCOs-0176	PCO 980176, CEMs -See RFI-0317 (T&M) Signed	4	100%	18-Dec-19 A	06-Feb-20 A		0																						
00-FCOs-0147	PCO 980147, GSU - See RFIs 0302 & 0324 (LS) open	4	100%	18-Dec-19 A	06-Feb-20 A		0																						
00-FCOs-0144	PCO 980144, U02 -See RFIs 0281 & 0320 - (T&M) - Sig	4	100%	18-Dec-19 A	05-Feb-20 A		0																						
00-FCOs-0153	PCO 980153, BOP - See RFI-0334 - MCC Feeder Cabl	4	100%	23-Dec-19 A	30-Dec-19 A		0																						
00-FCOs-0149	PCO 980149, U02&1 - Install 24VDC Batteries in PDM	4	100%	24-Dec-19 A	26-Dec-19 A		0																						
00-FCOs-0156	PCO 980156, U02 - See RFI-0328 (T&M) Missing CTs f	4	100%	26-Dec-19 A	09-Jan-20 A		0																						
00-FCOs-0157	PCO 980157, U02 - Additional testing for SCE per Wel	10	100%	06-Jan-20 A	22-Jan-20 A		0																						
00-FCOs-0170	PCO 980170 CTG - WCI CTG Instrument Air Vend Adc	3	100%	16-Jan-20 A	04-Feb-20 A		0																						
00-FCOs-0167	PCO 980167, U02- Recoup Vent Flanges Modification	4	100%	16-Jan-20 A	30-Jan-20 A		0																						
00-FCOs-0165	PCO 980165, U02 - Replace glands on Tempering Air f	4	100%	16-Jan-20 A	07-Feb-20 A		0																						
00-FCOs-0173	PCO 980173, U02 - Add Outlet to COMMRIG Panel - (I	6	100%	17-Jan-20 A	07-Feb-20 A		0																						
<div><div>Remaining Level of Effort</div><div>Actual Work</div><div>Critical Remaining Work</div><div>Actual Level of Effort</div><div>Remaining Work</div><div>Milestone</div><div>Milestone</div></div>			Page 14 of 20								TASK filter: Not Level Of Effort.								© Oracle Corporation										

SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE			WBS Summary						10-Jun-20 10:05																							
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020								2021												2022				
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
	00-FCOs-0181	PCO 980181, U01- OSD&D - Inlet Volute Bolt Bound -	3	100%	21-Jan-20 A	10-Feb-20 A		0																								
	00-FCOs-0180	PCO 980180, U01- OSD&D - 125VDC Power Connecti	3	100%	21-Jan-20 A	10-Feb-20 A		0																								
	00-FCOs-0175	PCO 980175, BOP: Load Bank Rental & Installation	3	100%	22-Jan-20 A	10-Feb-20 A		0																								
	00-FCOs-0182	PCO 980182, U02-See RFI-0352 - Missing Connector	6	100%	24-Jan-20 A	10-Feb-20 A		0																								
	00-FCOs-0183	PCO 980183, SWY - Switchyard Operator Platforms -	22	100%	24-Jan-20 A	10-Feb-20 A		0																								
	00-FCOs-0185	PCO 980185, U01- OSD&D - Misc Electrical RFI Chan	3	100%	30-Jan-20 A	10-Feb-20 A		0																								
	00-FCOs-0186	PCO 980186, See RFI-00360 Watson Marlow	3	100%	30-Jan-20 A	10-Feb-20 A		0																								
	00-FCOs-0187	PCO 980187, SI-047: U01 - Stack to CEMS building cc	4	100%	05-Feb-20 A	11-Feb-20 A		0																								
	00-FCOs-0192	PCO 980192, BOP- Fix Pipe Strain on Demin Pumps a	4	100%	06-Feb-20 A	20-Feb-20 A		0																								
	00-FCOs-0196	PCO 980196, U1- EWO-94079 Battery Management S	4	100%	07-Feb-20 A	28-Feb-20 A		0																								
	00-FCOs-0201	PCO 980201, U01&2- See RFI-0347 - Response - Nev	6	100%	12-Feb-20 A	21-Feb-20 A		0																								
	00-FCOs-0202	PCO 980202, U01&2- See RFI-0370 - Response - Nev	3	100%	12-Feb-20 A	18-Feb-20 A		0																								
	00-FCOs-0208	PCO 980208, Orifice Plate Machining	2	100%	14-Feb-20 A	18-Feb-20 A		0																								
	00-FCOs-0203	PCO 980203, U01&2- See RFI-0365 - Response - Nev	4	100%	14-Feb-20 A	24-Feb-20 A		0																								
	00-FCOs-0205	PCO 980205, BOP- SI-050 Install Cables between SC	2	100%	14-Feb-20 A	18-Feb-20 A		0																								
	00-FCOs-0209	PCO 980209, U01&2- SI-042 - Fogging Water Flushing	3	100%	14-Feb-20 A	20-Feb-20 A		0																								
	00-FCOs-0213	PCO 980213, SWY- Provide Doble test set for SCE en	2	100%	18-Feb-20 A	20-Feb-20 A		0																								
	00-FCOs-0210	PCO 980210, AFCU Skid Warranty Repairs	2	100%	18-Feb-20 A	20-Feb-20 A		0																								
	00-FCOs-0188	PCO 980188, CEMs- U1 Clock Wiring & Fire Alarm Pai	3	100%	20-Feb-20 A	26-Feb-20 A		0																								
	00-FCOs-0200	PCO 980200, U01&2- SI-044 - CEMS Mixing Box Modi	2	100%	24-Feb-20 A	28-Feb-20 A		0																								
	00-FCOs-0215	PCO 980215, U01&2- Replace LC Connectors with SC	4	100%	24-Feb-20 A	28-Feb-20 A		0																								
	00-FCOs-0212	PCO 980212, BOP- SI-049 - Compressed Air System	4	100%	24-Feb-20 A	29-Feb-20 A		0																								
	00-FCOs-0219	PCO 980219, SWY- Demo and Reroute Cables in Air Ir	5	100%	27-Feb-20 A	06-Mar-20 A		0																								
	00-FCOs-0223	PCO 980223, GSU: Complete Jumpers in GSU	2	100%	27-Feb-20 A	01-Mar-20 A		0																								
	00-FCOs-0227	PCO 980227 - SERC-TRA-678 SI-055-PEI_200302 87L	18	100%	02-Mar-20 A	01-Apr-20 A		0																								
	00-FCOs-0228	PCO 980228, SEWO-94099 SERC-ARB-RFI-00364, 36	2	100%	05-Mar-20 A	06-Mar-20 A		0																								
	00-FCOs-0233	PCO 980233 SI-056 - Add Panel Mount /LED for Local	8	100%	09-Mar-20 A	20-Mar-20 A		0																								
	00-FCOs-0234	PCO 980234 SI-056 - SCE Power Loss Event	2	100%	09-Mar-20 A	10-Mar-20 A		0																								
	00-FCOs-0237	PCO 980237 Potable and Fire Water Reroute	3	100%	11-Mar-20 A	20-Mar-20 A		0																								
	00-FCOs-0235	PCO 980235 Additional Catalyst Install Work	3	100%	11-Mar-20 A	27-Mar-20 A		0																								
	00-FCOs-0238	PCO 980238 Owner Request Installation of an New Tr	3	100%	17-Mar-20 A	20-Mar-20 A		0																								
	00-FCOs-0245	PCO 980245 SI-057 Vent Pipe Modifications	6	100%	18-Mar-20 A	26-Mar-20 A		0																								
00-FCOs-0249	PCO 980249 - U2 Factory Contamination of Hydraulic	3	100%	20-Mar-20 A	31-Mar-20 A		0																									
00-FCOs-242	PCO 980242 - Fod Sock Rework (Pending)	24	100%	23-Mar-20 A	05-May-20 A		0																									
00-FCOs-0244	PCO 980244 Owner Request to Change Filters in Bull	2	100%	24-Mar-20 A	25-Mar-20 A		0																									
00-FCOs-0246	PCO 980246 Install Davits on U1 and U2 stacks (Wai	6	100%	26-Mar-20 A	03-Apr-20 A		0																									
00-FCOs-0248	PCO 980248 U1 and U2 Generator Shroud Issues	2	100%	26-Mar-20 A	27-Mar-20 A		0																									
00-FCOs-0260	PCO 980260 - ERU Downstream of Catalyst Mods	1	100%	30-Mar-20 A	30-Mar-20 A		0																									
<div><div></div> Remaining Level of Effort</div> <div><div></div> Actual Level of Effort</div>			<div><div></div> Actual Work</div> <div><div></div> Remaining Work</div>			<div><div></div> Critical Remaining Work</div> <div><div></div> Milestone</div>			Page 15 of 20								TASK filter: Not Level Of Effort.								© Oracle Corporation							

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Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020							2021												2022	
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
00-FCOs-0262	PCO 980262 - Generator Transducer Retests (Wrong	1	100%	31-Mar-20 A	31-Mar-20 A		0																					
00-FCOs-0250	PCO 980250 - SI-058 - PEI East Gate Operator (Pendi	24	100%	01-Apr-20 A	05-May-20 A		0																					
00-FCOs-0263	PCO 980263 -Add plate or angles per MHI on NOX Cat	2	100%	01-Apr-20 A	02-Apr-20 A		0																					
00-FCOs-0252	PCO 980252 - Unit 1 AIG Heat Trace Cable Failure	6	100%	02-Apr-20 A	10-Apr-20 A		0																					
00-FCOs-0251	PCO 980251- U1 ERU Dilution blower A coupling (cas	8	100%	02-Apr-20 A	13-Apr-20 A		0																					
00-FCOs-0266	PCO 980266 - 01DMW-PRV-211 Issues	3	100%	02-Apr-20 A	06-Apr-20 A		0																					
00-FCOs-0255	PCO 980255 - Wellhead Request to Inspect U1 Gen F	1	100%	10-Apr-20 A	10-Apr-20 A		0																					
00-FCOs-0256	PCO-9800256 - SI-059 - Termination of Gen Auto Sync	6	100%	10-Apr-20 A	18-Apr-20 A		0																					
00-FCOs-0258	PCO-9800258 - Unit 1 Aux Skid HVAC Unit	6	100%	14-Apr-20 A	18-Apr-20 A		0																					
00-FCOs-0259	PCO 980259 - ERU Nox and CO Lids	3	100%	20-Apr-20 A	24-Apr-20 A		0																					
00-FCOs-0265	PCO 980265 - Additional Work to install CO Catalyst (l	3	100%	21-Apr-20 A	24-Apr-20 A		0																					
00-FCOs-0267	PCO 980267 - Pressure Regulators	4	100%	24-Apr-20 A	30-Apr-20 A		0																					
00-FCOs-0268	PCO 980268 - Post MC Support per Letter 0109	6	100%	30-Apr-20 A	08-May-20 A		0																					
Construction		354	100%	04-Feb-19 A	15-May-20 A		0																					
Mobilization		19	100%	04-Feb-19 A	01-Mar-19 A		0																					
Site Preparation		193	100%	19-Feb-19 A	04-Oct-19 A		0																					
Vehicle Bridge		179	100%	04-Mar-19 A	30-Dec-19 A		0																					
UG Electrical		263	100%	22-Mar-19 A	28-Apr-20 A		0																					
UG Piping		237	100%	06-May-19 A	09-Apr-20 A		0																					
Foundations		287	100%	06-Mar-19 A	10-Apr-20 A		0																					
Structural Steel		216	100%	05-Feb-19 A	15-May-20 A		0																					
Equipment Installation		190	100%	20-May-19 A	15-May-20 A		0																					
Electrical Installation		267	100%	11-Apr-19 A	08-May-20 A		0																					
AG Piping		133	100%	25-Jul-19 A	12-Feb-20 A		0																					
Painting & Insulation		33	100%	03-Feb-20 A	28-Feb-20 A		0																					
Pre-Commissioning		80	100%	02-Jan-20 A	24-Apr-20 A		0																					
System Turn Over Packages		80	100%	02-Jan-20 A	24-Apr-20 A		0																					
U2 Power Block PWP's		44	100%	08-Jan-20 A	09-Mar-20 A		0																					
U1 Power Block PWP's		48	100%	08-Jan-20 A	27-Mar-20 A		0																					
TOP System Walkdown		66	100%	09-Jan-20 A	27-Apr-20 A		0																					
Electrical and Control		24	100%	09-Jan-20 A	29-Jan-20 A		0																					
BOP Systems Walkdown		58	100%	16-Jan-20 A	27-Apr-20 A		0																					
Gas Turbine #2 (GT2) Walkdown		38	100%	09-Jan-20 A	15-Mar-20 A		0																					
Gas Turbine #1 (GT1) Walkdown		29	100%	04-Feb-20 A	23-Mar-20 A		0																					
Commissioning		254	100%	28-Feb-16 A	06-May-20 A		0																					
Balance of Plant Systems		70	100%	09-Jan-20 A	06-May-20 A		0																					
GT2 Engine Commissioning		149	100%	28-Feb-16 A	06-May-20 A		0																					
GT1 Engine Commissioning		240	100%	24-Sep-19 A	06-May-20 A		0																					
Demobilization		46	100%	24-Feb-20 A	15-May-20 A		0																					
Social Gas Line Schedule		147	100%	19-Aug-19 A	07-Apr-20 A		0																					
SCG-1000	Mobilization	5	100%	19-Aug-19 A	23-Aug-19 A		0																					
SCG-1010	Install 600' Of 12"	13	100%	26-Aug-19 A	19-Sep-19 A		0																					
SCG-1020	Install 1200' of 12"	60	100%	01-Oct-19 A	07-Feb-20 A		0																					
SCG-1022	Install Piping Supports	4	100%	10-Feb-20 A	17-Mar-20 A		0																					
SCG-1024	MSAElectrical And Commissioning	4	100%	10-Feb-20 A	17-Mar-20 A		0																					

Remaining Level of Effort

Actual Work

Critical Remaining Work

Actual Level of Effort

Remaining Work

Milestone

Milestone

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TASK filter: Not Level Of Effort.

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SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE				WBS Summary				10-Jun-20 10:05																					
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020								2021												2022	
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
SCG-1030	Testing	4	100%	18-Mar-20 A	26-Mar-20 A		0																						
SCG-1040	Socal Gas Tie-In	4	100%	26-Mar-20 A	01-Apr-20 A		0																						
SCG-1050	De-Mobilize	4	100%	01-Apr-20 A	07-Apr-20 A		0																						
SCE Interconnection Schedule		470	100%	07-Apr-17 A	20-Aug-20	259	0																						
Stanton Energy Reliability Center Integrated Schedule (PIN# 8016) - Update		470	100%	07-Apr-17 A	20-Aug-20	259	0																						
Project Management		390	100%	07-Apr-17 A	03-Mar-20 A		0																						
0110	PMWIF Issuance	0	100%		07-Apr-17 A		0																						
0115	PMWIF Acceptance	0	100%		14-Apr-17 A		0																						
0100	Issue ATP	0	100%		20-Mar-18 A		0																						
0120	Customer Final Design	10	100%	02-Jul-18 A	14-Dec-18 A		0																						
0130	Substation Designs Complete	0	100%		05-Feb-19 A		0																						
0125	Issued Drawings to CDM	0	100%		10-Apr-19 A		0																						
0105	Approved OD	0	100%		03-Mar-20 A		0																						
Customer Milestones		230	100%	14-Dec-18 A	01-Nov-19 A		0																						
01205	Design Drawings Final	0	100%		14-Dec-18 A		0																						
01210	UG 66kV Duck Construction Complete	0	100%		01-May-19 A		0																						
01215	66kV Dead-End Rack Construction Complete	0	100%		01-Jul-19 A		0																						
01220	Diverse Fiber Duct Construction Complete	0	100%		15-Aug-19 A		0																						
01225	Control House Ready for SCE Telecom Cabinets	0	100%		01-Oct-19 A		0																						
01230	Ready for In-Service Testing	0	100%		01-Nov-19 A		0																						
Environmental		150	100%	01-Aug-18 A	31-May-19 A		0																						
0355	Environmental Process	150	100%	01-Aug-18 A	31-May-19 A		0																						
Substation		434	100%	25-Jan-18 A	03-Mar-20 A		0																						
Mirage Substation		227	100%	14-May-18 A	13-Jun-19 A		0																						
Engineering		130	100%	14-May-18 A	15-Apr-19 A		0																						
01005	Preliminary Engineering	50	100%	14-May-18 A	30-May-18 A		0																						
01170	Final Engineering	80	100%	07-Aug-18 A	15-Apr-19 A		0																						
Construction		34	100%	16-Apr-19 A	31-May-19 A		0																						
01020	UFLS Work	34	100%	16-Apr-19 A	31-May-19 A		0																						
01015	UFLS Work Start	0	100%	16-Apr-19 A			0																						
01025	UFLS Work Finish	0	100%		31-May-19 A		0																						
Commissioning		10	100%	31-May-19 A	13-Jun-19 A		0																						
01000	Test & In-Service	10	100%	31-May-19 A	13-Jun-19 A		0																						
Distribution Upgrades at Barre Substation (SAP# 902360074)		396	100%	14-May-18 A	03-Mar-20 A		0																						
Engineering		145	100%	14-May-18 A	10-Apr-19 A		0																						
Preliminary Engineering		20	100%	14-May-18 A	30-May-18 A		0																						
01030	Preliminary Engineering	20	100%	14-May-18 A	30-May-18 A		0																						
Final Engineering / Design		145	100%	04-Sep-18 A	10-Apr-19 A		0																						
01045	Structural Engineering / Design	100	100%	04-Sep-18 A	05-Feb-19 A		0																						
01035	Electrical Engineering / Design	66	100%	18-Sep-18 A	05-Feb-19 A		0																						
01040	Civil Engineering / Design	47	100%	03-Dec-18 A	05-Feb-19 A		0																						
01050	Final Engineering / Designs	34	100%	17-Dec-18 A	05-Feb-19 A		0																						
<div><div>Remaining Level of Effort</div><div>Actual Level of Effort</div></div> <div><div>Actual Work</div><div>Remaining Work</div></div> <div><div>Critical Remaining Work</div><div>Milestone</div></div>				Page 17 of 20								TASK filter: Not Level Of Effort.								© Oracle Corporation									

SERC Baseline Project Master Schedule (w/ARB Apr Sched) CEC/SCE			WBS Summary					10-Jun-20 10:05																				
Activity ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	2020							2021												2022	
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
	01060	Qualitiy Assurance Review	23	100%	06-Feb-19 A	08-Mar-19 A		0																				
	01070	QA Corrections	25	100%	11-Mar-19 A	10-Apr-19 A		0																				
	01255	Issue Structural Steel Package to CDM (SAP# 902306	0	100%		28-Mar-19 A		0																				
	01065	Issue Completed Package to CDM	0	100%		10-Apr-19 A		0																				
	Procurement / Materials		198	100%	21-Nov-18 A	30-Aug-19 A		0																				
	01100	RE to Submit Major Material Order (CB)	0	100%		21-Nov-18 A		0																				
	01110	Procurement / Material Delivery	125	100%	03-Dec-18 A	30-Aug-19 A		0																				
	01085	Issue PO for Circuit Breaker	0	100%		03-Dec-18 A		0																				
	01115	CB Delivered	0	100%		30-Aug-19 A		0																				
	Construction		177	100%	03-Jun-19 A	17-Jan-20 A		0																				
	01270	Summer Load and High Line Loading Period	100	100%	03-Jun-19 A	25-Oct-19 A		0																				
	01275	Outage Request	15	100%	28-Oct-19 A	15-Nov-19 A		0																				
	01078	Construction Start	0	100%	19-Nov-19 A			0																				
	01075	Built and Test Position 11	45	100%	19-Nov-19 A	17-Jan-20 A		0																				
	01280	3ABank in Position 10 Offline	0	100%		20-Nov-19 A		0																				
	01260	Install Structural Steel for 66kV Switchrack Position#	20	100%	20-Nov-19 A	13-Dec-19 A		0																				
	01165	Construction Finish	0	100%		17-Jan-20 A		0																				
	Commissioning		5	100%	26-Feb-20 A	03-Mar-20 A		0																				
	01080	Test & In-Service	5	100%	26-Feb-20 A	03-Mar-20 A		0																				
	Interconnection Facilities at Barre Substation (SAP# 902360075)		434	100%	25-Jan-18 A	28-Feb-20 A		0																				
	Engineering		323	100%	25-Jan-18 A	25-Oct-19 A		0																				
	Preliminary Engineering		21	100%	25-Jan-18 A	30-Jan-18 A		0																				
	01090	Preliminary Engineering	21	100%	25-Jan-18 A	30-Jan-18 A		0																				
	Final Engineering / Design		302	100%	04-Sep-18 A	25-Oct-19 A		0																				
	01105	Structural Engineering / Design	70	100%	04-Sep-18 A	05-Feb-19 A		0																				
	01095	Electrical Engineering / Design	66	100%	18-Sep-18 A	05-Feb-19 A		0																				
	01120	Quality Assurance & QA Corrections	51	100%	06-Feb-19 A	10-Apr-19 A		0																				
	01125	Issue Completed Package to CDM	0	100%		10-Apr-19 A		0																				
	01130	Relay Settings (OD43)	30	100%	16-Sep-19 A	25-Oct-19 A		0																				
	Procurement / Materials		30	100%	15-Apr-19 A	15-Jul-19 A		0																				
	01135	Procurement / Materials Delivery	30	100%	15-Apr-19 A	15-Jul-19 A		0																				
	Construction		101	100%	29-Oct-19 A	25-Feb-20 A		0																				
	01145	Construction Duration	60	100%	29-Oct-19 A	24-Feb-20 A		0																				
	01140	Construction Start	0	100%	29-Oct-19 A			0																				
	01150	Construction Finish	0	100%		25-Feb-20 A		0																				
	Commissioning		5	100%	26-Feb-20 A	28-Feb-20 A		0																				
	01155	Test & In-Service	5	100%	26-Feb-20 A	28-Feb-20 A		0																				
	Sub Transmission / Gen-Tie		372	100%	02-Jul-18 A	03-Jan-20 A		0																				
	01175	Preliminary Engineering	80	100%	02-Jul-18 A	02-Jan-19 A		0																				
	01180	Final Engineering	72	100%	03-Jan-19 A	12-Apr-19 A		0																				
	01185	Procurement & Material Delivery	81	100%	10-May-19 A	30-Aug-19 A		0																				
<div><div></div> Remaining Level of Effort</div> <div><div></div> Actual Work</div> <div><div></div> Critical Remaining Work</div> <div><div></div> Actual Level of Effort</div> <div><div></div> Remaining Work</div> <div><div></div> Milestone</div>			Page 18 of 20					TASK filter: Not Level Of Effort.														© Oracle Corporation						

[illegible]

Attachment 2 – COM-5 Compliance Matrix

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	
1	Stanton Energy Reliability Center Compliance Matrix (16-AFC-01)																					
2	All Phases							6/30/2040							Pre-Construction							
3															Construction							
4				Revised 4/30/2019			Based on Final Staff Assessment								Commissioning							
															Operations							
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date														
		AQ	AQ-A4	COM/OPS	4.0 PPMV CO Limit Averaging - The 4.0 PPMV CO emission limit(s) is averaged over 1 hour, dry basis at 15 percent oxygen. This limit shall not apply to turbine commissioning, startup, and shutdown periods. [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002] [Devices subject to this condition: D1, D7]	The project owner shall submit CEMS records demonstrating compliance with this condition as part of the Quarterly Operation Reports (AQ-SC7).	Quarterly Operation Reports (AQ-SC7)	Quarterly, no later than 30 days after end of the quarter (See AQ-SC7)	Quarterly						Compliance Status for CPM (Not started, in progress, completed (with date)) Not Started							
11		AQ	AQ-A5	COM/OPS	2.0 PPMV VOC Limit Averaging - The 2.0 PPMV VOC emission limit(s) is averaged over 1 hour, dry basis at 15 percent oxygen. This limit shall not apply to turbine commissioning, startup, and shutdown periods. [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002] [Devices subject to this condition: D1, D7]	The project owner shall submit records demonstrating compliance with this condition as part of the Quarterly Operation Reports (AQ-SC7).	Quarterly Operation Reports (AQ-SC7)	Quarterly, no later than 30 days after end of the quarter (See AQ-SC7)	Quarterly						Not Started					SERC	DSR	
12		AQ	AQ-A6	COM/OPS	25 PPMV NOx Limit Averaging - The 25 PPMV NOx emission limit(s) is averaged over 1 hour, dry basis at 15 percent oxygen. This limit shall not apply to turbine commissioning, startup, and shutdown periods. [40 CFR 60 Subpart KKK, 7-6-2006] [Devices subject to this condition: D1, D7]	The project owner shall submit CEMS records demonstrating compliance with this condition as part of the Quarterly Operation Reports (AQ-SC7).	Quarterly Operation Reports (AQ-SC7)	Quarterly, no later than 30 days after end of the quarter (See AQ-SC7)	Quarterly						Not Started					SERC	DSR	
13		AQ	AQ-A7	COM/OPS	Combustion Contaminant Emissions - For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time. [RULE 475, 10-8-1976; RULE 475, 8-7-1978] [Devices subject to this condition: D1, D7]	The project owner shall submit records demonstrating compliance with this condition as part of the Quarterly Operation Reports (AQ-SC7).	Quarterly Operation Reports (AQ-SC7)	Quarterly, no later than 30 days after end of the quarter (See AQ-SC7)	Quarterly						Not Started					SERC	DSR	
14		AQ	AQ-A8	COM/OPS	NH3 Limit Averaging - The 5.0 PPMV NH3 emission limit is averaged over one hour, dry basis, at 15 percent oxygen. The project owner shall calculate and continuously record the NH3 slip concentration (Does not apply to commissioning, turbine startup, and shutdown.) See the Decision for NH3 calculation equation.	The project owner shall install, calibrate, maintain, and the monitoring system according to a District-approved monitoring plan.	Monitoring Plan	Prior to the installation the project owner shall submit a monitoring plan to the CPM for review and approval.	4/16/2020	3/9/2020					Completed					SERC	DSR	
15		AQ	AQ-A8.a	COM/OPS	NH3 Limit Averaging - The 5.0 PPMV NH3 emission limit is averaged over one hour, dry basis, at 15 percent oxygen. The project owner shall calculate and continuously record the NH3 slip concentration (Does not apply to commissioning, turbine startup, and shutdown.) See the Decision for NH3 calculation equation.	Install, calibrate, maintain, and the monitoring system according to a District-approved monitoring plan. The project owner shall include exceedances of the hourly ammonia slip limit and calibration reports as part of the Quarterly Operation Reports (AQ-SC7).	Quarterly Operation Reports (AQ-SC7)	Quarterly, no later than 30 days after end of the quarter (See AQ-SC7)	Quarterly						Not Started					SERC	DSR	
16		AQ	AQ-A8.b	COM/OPS	NH3 Limit Averaging - The 5.0 PPMV NH3 emission limit is averaged over one hour, dry basis, at 15 percent oxygen. The project owner shall calculate and continuously record the NH3 slip concentration (Does not apply to commissioning, turbine startup, and shutdown.) See the Decision for NH3 calculation equation.	The project owner shall install and maintain a NOx analyzer to measure the SCR inlet NOx ppmv accurate to within plus or minus 5 percent calibrated at least once every 12 months. The project owner shall use the method described above or another alternative method approved by the Executive Officer.	Calibrate SCR inlet NOx analyzer	Once every 12 months	Annually						Not Started					SERC	DSR	
17		AQ	AQ-A8.c	COM/OPS	NH3 Limit Averaging - The 5.0 PPMV NH3 emission limit is averaged over one hour, dry basis, at 15 percent oxygen. The project owner shall calculate and continuously record the NH3 slip concentration (Does not apply to commissioning, turbine startup, and shutdown.) See the Decision for NH3 calculation equation.	The ammonia slip calculation procedure shall be in effect no later than 90 days after initial startup of the turbine.	No Submittal requirement Identified, Report in Quarterly report	The ammonia slip calculation procedure shall be in effect no later than 90 days after initial startup of the turbine	7/15/2020						Not Started					SERC	DSR	
18		AQ	AQ-B1	COM/OPS	H2S Limit Averaging - Concentration limit is an annual average based on monthly samples of natural gas composition or gas supplier documentation. The project owner shall not use natural gas containing the following specified compounds: H2S > 0.25 Grains per 100 SCF	The project owner shall include documentation demonstrating compliance as part of the Quarterly Operation Reports (AQ-SC7). The project owner shall make the site available for inspection of records by representatives of the District, AHS, and the Energy Commission.	Quarterly Operation Reports (AQ-SC7).	Quarterly, no later than 30 days after end of the quarter (See AQ-SC7)	Quarterly						Not Started					SERC	DSR	
19																						

	A	B	C	D	E	F	G	H	I	J	K	O	P	Q	R	S	T	U
1	Stanton Energy Reliability Center Compliance Matrix (16-AFC-01)											Pre-Construction						
2	All Phases							6/30/2040				Construction						
3												Commissioning						
4												Operations						
				Revised 4/30/2019			Based on Final Staff Assessment											
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party SERC	SERC Project Manager DSR
29	AQ	AQ-D2c	COM/OPS	Operations Source Test - Owner must conduct air pollutant source tests for SOX, VOC, and PM10 once every three years. See Decision for methods, averaging times, and test location. Notify District prior to test of date and time of test. See Decision for further test specifications.	Submit the source test results no later than 60 days following the source test date to both the District and CPM.	Source test results	No later than 60 days following the source test date.	6/15/2023		Not Started								
30	AQ	AQ-D2d	COM/OPS	Operations Source Test - Owner must conduct air pollutant source tests for SOX, VOC, and PM10 once every three years. See Decision for methods, averaging times, and test location. Notify District prior to test of date and time of test. See Decision for further test specifications.	Submit the source test results no later than 60 days following the source test date to both the District and CPM.	Source test results	No later than 60 days following the source test date.	6/15/2023		Not Started				SCAQMD				
31	AQ	AQ-D2e	COM/OPS	Operations Source Test - Owner must conduct air pollutant source tests for SOX, VOC, and PM10 once every three years. See Decision for methods, averaging times, and test location. Notify District prior to test of date and time of test. See Decision for further test specifications.	The project owner shall notify the District and CPM no later than 10 days prior to the proposed initial source test of the date and time of the scheduled test.	Notification to the CPM of the date and time of the test at least 10 days prior to the test.	Notify CPM of proposed date and time 10 days prior to test date.	10/3/2023		Not Started							SERC	DSR
32	AQ	AQ-D2f	COM/OPS	Operations Source Test - Owner must conduct air pollutant source tests for SOX, VOC, and PM10 once every three years. See Decision for methods, averaging times, and test location. Notify District prior to test of date and time of test. See Decision for further test specifications.	The project owner shall notify the District and CPM no later than 10 days prior to the proposed initial source test of the date and time of the scheduled test.	Notification to the District of the date and time of the test at least 10 days prior to the test.	Notify Air District of proposed date and time 10 days prior to test date.	10/3/2023		Not Started				SCAQMD			SERC	DSR
33	AQ	AQ-D3a	COM/OPS	NH3 Source Test - Owner must conduct air pollutant source tests for NH3 quarterly during first 12 months of operation and annually after that. See Decision for methods, averaging times, and test location. Notify District prior to test of date and time of test. See Decision for further test specifications.	The project owner shall test according to the original protocol. If changes to the testing methods or testing conditions are proposed, then the project owner shall submit a revised protocol for the source tests no later than 45 days prior to the proposed source test date to both the District and CPM for approval.	Revised source test protocol (if proposed), test result report	Submit protocol 45 days before test date to CPM	8/29/2021		Not Started							SERC	DSR
34	AQ	AQ-D3b	COM/OPS	NH3 Source Test - Owner must conduct air pollutant source tests for NH3 quarterly during first 12 months of operation and annually after that. See Decision for methods, averaging times, and test location. Notify District prior to test of date and time of test. See Decision for further test specifications.	The project owner shall test according to the original protocol. If changes to the testing methods or testing conditions are proposed, then the project owner shall submit a revised protocol for the source tests no later than 45 days prior to the proposed source test date to both the District and CPM for approval.	Revised source test protocol (if proposed), test result report	Submit protocol 45 days before test date to District	8/29/2021		Not Started				SCAQMD			SERC	DSR
35	AQ	AQ-D3c	COM/OPS	NH3 Source Test - Owner must conduct air pollutant source tests for NH3 quarterly during first 12 months of operation and annually after that. See Decision for methods, averaging times, and test location. Notify District prior to test of date and time of test. See Decision for further test specifications.	The project owner shall submit the source test results no later than 60 days following the source test date to both the District and CPM.	NH3 Slip test results	Submit results 60 days after the test to CPM	12/12/2021		Not Started							SERC	DSR
36	AQ	AQ-D3d	COM/OPS	NH3 Source Test - Owner must conduct air pollutant source tests for NH3 quarterly during first 12 months of operation and annually after that. See Decision for methods, averaging times, and test location. Notify District prior to test of date and time of test. See Decision for further test specifications.	The project owner shall submit the source test results no later than 60 days following the source test date to both the District and CPM.	NH3 Slip test results	Submit results 60 days after the test to District	12/12/2021		Not Started				SCAQMD			SERC	DSR
37	AQ	AQ-D3e	COM/OPS	NH3 Source Test - Owner must conduct air pollutant source tests for NH3 quarterly during first 12 months of operation and annually after that. See Decision for methods, averaging times, and test location. Notify District prior to test of date and time of test. See Decision for further test specifications.	The project owner shall notify the District and CPM no later than 10 days prior to the proposed initial source test of the date and time of the scheduled test.	The SCAQMD shall be notified of the date and time of the test at least 10 days prior to the test.	The project owner shall notify the CPM no later than 10 days prior to the proposed initial source test of the date and time of the scheduled test.	10/3/2020		Not Started							SERC	DSR
38	AQ	AQ-D3f	COM/OPS	NH3 Source Test - Owner must conduct air pollutant source tests for NH3 quarterly during first 12 months of operation and annually after that. See Decision for methods, averaging times, and test location. Notify District prior to test of date and time of test. See Decision for further test specifications.	The project owner shall notify the District and CPM no later than 10 days prior to the proposed initial source test of the date and time of the scheduled test.	The SCAQMD shall be notified of the date and time of the test at least 10 days prior to the test.	The project owner shall notify the District no later than 10 days prior to the proposed initial source test of the date and time of the scheduled test.	10/3/2020		Not Started				SCAQMD			SERC	DSR

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2	All Phases							6/30/2040				Construction						
3												Commissioning						
4	Revised 4/30/2019					Based on Final Staff Assessment						Operations						
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
72	AQ	AQ-SC2a	PC	Air Quality Construction Mitigation Plan - The project owner shall provide an AQCMP, for approval, which details the steps that will be taken and the reporting requirements necessary to ensure compliance with AQSC3, AQ-SC4, and AQ-SC5.	Submit the AQCMP to the CPM for approval and the South Coast Air Quality Management District (District). The CPM will notify the project owner of any necessary modifications to the plan within 30 days from the date of receipt. The AQCMP must be approved by the CPM before the start of ground disturbance.	AQCMF	At least 60 days prior to ground disturbance, the project owner shall submit the AQCMP to the South Coast Air Quality Management District (District).	11/3/2018		Completed				SCAQMD	11/1/2018		SERC	GAL
73	AQ	AQ-SC3	CONS	Air Quality Fugitive Dust MCR - The AQCMF shall submit documentation to the CPM in each Monthly Compliance Report (MCR) that demonstrates compliance with the following mitigation measures for the purposes of minimizing fugitive dust emissions created from construction activities and preventing all fugitive dust plumes from leaving the project site and linear facility routes. Any deviation from the following mitigation measures shall require prior CPM notification and approval. (See Decision for list of items (A through N).	Provide a Monthly Compliance Report to the CPM that summarizes all actions taken to maintain compliance with this condition, including complaints filed with the District and other documentation necessary.	MCR	Monthly, no later than 10 business days	Monthly		In Progress							SERC	GAL
74	AQ	AQ-SC4	CONS	AQ Dust Plume Monitoring - The AQCMF or delegate shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes that have the potential to be transported: (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner, indicate that existing mitigation measures are not resulting in effective mitigation. The AQCMF or delegate shall implement the following procedures for additional mitigation measures in the event that such visible dust plumes are observed and shall include a section in the AQCMF detailing how the additional mitigation measures will be accomplished within the time limits specified: (See Decision AQ-SC4 for Steps 1 through 3 for dust plume response)	Provide a Monthly Compliance Report to the CPM that summarizes all actions taken to maintain compliance with this condition, including complaints filed with the District and other documentation necessary.	MCR	Monthly, no later than 10 business days	Monthly		In Progress							SERC	GAL
75	AQ	AQ-SC5	CONS	AQ Construction Mitigation Report - The AQCMF shall submit to the CPM, in the MCR, a construction mitigation report that demonstrates compliance with the following mitigation measures for purposes of controlling diesel construction related emissions. Any deviation from the following mitigation measures shall require prior CPM notification and approval. (See Decision AQ-SC5 for items A through F).	Include a table in the MCR: (1) a summary of all actions taken to maintain compliance with this condition; (2) a list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that the equipment has been properly maintained; and (3) any other documentation deemed necessary by the CPM and AQCMF to verify compliance with this condition.	MCR	Monthly, no later than 10 business days	Monthly		In Progress							SERC	GAL
76	AQ	AQ-SC6a	CONS/COM/OPS	Air Permit Modifications - The project owner shall provide the CPM copies of any District-issued project air permit for the facility. The project owner shall submit to the CPM for review and approval any modification proposed by the project owner to any project air permit. The project owner shall submit to the CPM any modification to any permit proposed by the District or U.S. EPA, and any revised permit issued by the District or U.S. EPA, for the project.	Submit any proposed air permit modification to the CPM within five working days of either: 1) submittal by the project owner to an agency, or 2) receipt of proposed modifications from an agency.	The project owner shall submit any project air permit and any proposed air permit modification to the CPM within five working days of its submittal either by 1) the project owner to an agency	Within 5 working days of proposing permit modification.	Conditional		Not Started							SERC	GAL
77	AQ	AQ-SC6b	CONS/COM/OPS	Submit Modified Air Permit - See AQ-SC6a	Submit modified permit to CPM	The project owner shall submit any project air permit and any proposed air permit modification to the CPM within five working days of its submittal either by 2) receipt of proposed modifications from an agency.	Within 5 working days of proposing permit modification.	Conditional		Not Started							SERC	GAL
78	AQ	AQ-SC6c	CONS/COM/OPS	Submit Modified Air Permit - See AQ-SC6a	Submit modified permit to CPM	The project owner shall submit all modified air permits to the CPM.	Within 15 days of receipt	Conditional		Not Started							SERC	GAL
79	AQ	AQ-SC7	COM/OPS	CPM Quarterly Operation Reports - Project owner shall submit to the CPM Quarterly Operation Reports, following the end of each calendar quarter. Operational and emissions information as necessary to demonstrate compliance with the Conditions of Certification herein to be included.	The project owner shall submit to the CPM Quarterly Operation Reports, following the end of each calendar quarter that include operational and emissions information as necessary to demonstrate compliance with the Conditions of Certification herein.	Quarterly Operation Reports (AQ-SC7).	Quarterly, no later than 30 days following the end of each calendar quarter	Quarterly		Not Started				SCAQMD			SERC	DSR

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3															Commissioning						
4				Revised 4/30/2019		Based on Final Staff Assessment									Operations						
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager			
103	BIO	BIO-8c	CONS	Implementation of Nest Surveys and Inclusion in BRMMIP - (See Decision BIO-8a for specific guideline items)	All impact avoidance and minimization measures related to nesting birds shall be included in the BRMMIP and implemented.	Revised BRMMIP (BIO-6)	After pre-construction nesting surveys	Ongoing For Gas Line 9/5/19	N/A	Not Started	N/A							JACOBS	GAL		
104	BIO	BIO-8d	CONS	Monthly Reporting for Preconstruction Nest Surveys - (See Decision BIO-8 for 8 specific guideline items)	Implementation of the measures shall be reported in the MCRs by the Designated Biologist.	MCR	Monthly	Monthly		In Progress								JACOBS	GAL		
105	BIO	BIO-9a	CONS	Jack and Bore Drilling Best Management Practices - During construction using jack and bore drilling techniques the Designated Biologist or Biological Monitor must be present at all times. The Designated Biologist or Biological Monitor must be allowed to monitor all activities pertaining to drilling under Carbon Creek Channel and the Anaheim-Barber Channel, and shall be given authority to do the following, including but not limited to: (See Decision for 6 items)	Notify the CPM and CDFW in the event of a frac-out, non-compliance, or halt of jack-and-bore operations.	Notification of a frac-out to CPM and CDFW	No later than the following morning of the incident or Monday morning in case of a weekend	Conditional	9/13/2019	In Progress	12/10/2019							SERC	GAL		
106	BIO	BIO-9b	CONS	Jack and Bore Drilling Best Management Practices - During construction using jack and bore drilling techniques the Designated Biologist or Biological Monitor must be present at all times. The Designated Biologist or Biological Monitor must be allowed to monitor all activities pertaining to drilling under Carbon Creek Channel and the Anaheim-Barber Channel, and shall be given authority to do the following, including but not limited to: (See Decision for 6 items)	Notify the CPM and CDFW in the event of a frac-out, non-compliance, or halt of jack-and-bore operations.	Notification of any non-compliance or a halt of any jack and bore drilling operations to CPM and CDFW and actions being taken to resolve the problem	No later than the following morning of the incident or Monday morning in case of a weekend	Conditional		Not Started								SERC	GAL		
107	CIVIL	CIVIL-1a	PC/CONS	Drainage Structure Design and Grading Plan - Submit to the CBO for review and approval the design of the proposed drainage structures and the grading plan; an erosion and sedimentation control plan; a construction storm water pollution prevention plan; related calculations and specifications, signed and stamped by the responsible civil engineer; and soils, geotechnical, or foundation investigations reports required by the 2016 CBC.	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of site grading, submit the documents described in this condition to the CBO for design review and approval.	Proposed drainage structures and grading plan	At least 15 days prior to the start of site grading	12/18/2018		Completed		1-1.1 1/17/2019 PC1 1-1.1 2/6/19 PC2 1-1.1 5/24/19 PC3 1-1.2 1/17/2019 PC1 1-1.2 2/6/19 PC2 1-1.2 5/24/19 PC3 1-1.3 1/17/2019 PC1 1-1.3 2/6/19 PC2 1-1.4 6/14/19 PC3	1-1: 2/8/19 (conditional) 1-2: 2/8/19 1-1.0 2/8/19 PC2 1-1.1 6/14/19 PC3 1-1.10 2/8/19 PC2 1-1.2 6/14/19 PC3 1-1.3 2/8/19 PC2 1-1.3 6/14/19 PC3 1-4 2/8/19 PC2 1-1.4 6/14/19 PC3				SERC	TAT			
108	CIVIL	CIVIL-1b	PC	Erosion and Sedimentation Control Plan - See CIVIL-1a	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of site grading, submit the documents described in this condition to the CBO for design review and approval.	Erosion and Sedimentation Control Plan	At least 15 days prior to the start of site grading	12/18/2018		Completed		1-1: 1/17/2019 1-2: 1/18/19	1-1: 2/8/19 (conditional) 1-2: 2/8/19					SERC	TAT		
109	CIVIL	CIVIL-1c	PC	Construction Stormwater Pollution Prevention Plan - See CIVIL-1a	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of site grading, submit the documents described in this condition to the CBO for design review and approval.	Construction Stormwater Pollution Prevention Plan	At least 15 days prior to the start of site grading	12/18/2018		Completed		1/7/2019	2/6/2019					SERC	TAT		
110	CIVIL	CIVIL-1d	PC	Related Calculations and Specs Stamped by Civil Engineer - See CIVIL-1a	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of site grading, submit the documents described in this condition to the CBO for design review and approval.	Related Calculations and Specs Signed and Stamped by Responsible Civil Engineer	At least 15 days prior to the start of site grading; and notify CPM in MCR following the CBO's approval	12/18/2018		Completed		1-1: 1/17/2019 1-2: 1/18/19	1-1: 2/8/19 (conditional) 1-2: 2/8/19					SERC	TAT		
111	CIVIL	CIVIL-1e	PC	Soils, Geotechnical, or Foundation Reports - See CIVIL-1a	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of site grading, submit the documents described in this condition to the CBO for design review and approval.	Soil, Geotechnical, or Foundation Investigation Reports required by the 2016 CBC	At least 15 days prior to the start of site grading	12/18/2018		Completed		Ongoing	2/8/2019					SERC	TAT		
112	CIVIL	CIVIL-1f	PC	Approval of all CIVIL 1a Submittals Noted in MCR - See CIVIL-1a	Statement in the MCR certifying that the documents (CIVIL-1a) have been approved by the CBO.	MCR	Next MCR after approval by CBO	3/13/2019	3/13/2019	Completed		3/13/19 4/11/19						SERC	GAL		
113	CIVIL	CIVIL-2a	CONS	Adverse Soil/Geologic Conditions - The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible soils engineer, geotechnical engineer, or the civil engineer experienced and knowledgeable in the practice of soils engineering, identifies unforeseen adverse soil or geologic conditions. The project owner shall submit modified plans, specifications, and calculations to the CBO based on these new conditions. The project ownershall obtain approval from the CBO before resuming earthwork and construction in the affected area.	The project owner shall submit modified plans, specifications, and calculations to the CBO based on these new conditions.	Submit modified plans, specifications, and calculations to CBO	when unforeseen adverse soil or geologic conditions are identified by RE	Conditional				Conditional						SERC	GAL		

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5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party SERC	SERC Project Manager TLB
120	CIVIL	CIVIL-3e	CONS	Inspections and Discrepancy Reporting - The project owner shall perform inspections in accordance with the 2016 CBC. All plant site-grading operations, for which a grading permit is required, shall be subject to inspection by the CBO. If, in the course of inspection, it is discovered that the work is not being performed in accordance with the approved plans, the discrepancies shall be reported immediately to the resident engineer, the CBO, and the CPM. The project owner shall prepare a written report, with copies to the CBO and the CPM, detailing all discrepancies, non-compliance items, and the proposed corrective action.	A list of NCRs for the reporting month shall also be included in the following monthly compliance report.	MCR	Monthly	Monthly		In Progress								
121	CIVIL	CIVIL-4a	CONS	Final Grading Plan Approval - After completion of finished grading and erosion and sedimentation control and drainage work, the project owner shall obtain the CBO's approval of the final grading plans (including final changes) for the erosion and sedimentation control work. The civil engineer shall state that the work within his/her area of responsibility was done in accordance with the final approved plans.	CBO's approval of final erosion and sedimentation control and drainage work.	Final grading and drainage plans with engineer's signed statement (See Decision wording).	Within 30 days of the completion of the erosion and sediment control mitigation and drainage work (or CBO-approved alternative time frame)	5/1/2020		In Progress							POWER	TAT
122	CIVIL	CIVIL-4b	CONS	Final Grading Plan Approval - After completion of finished grading and erosion and sedimentation control and drainage work, the project owner shall obtain the CBO's approval of the final grading plans (including final changes) for the erosion and sedimentation control work. The civil engineer shall state that the work within his/her area of responsibility was done in accordance with the final approved plans.	CBO's approval of final erosion and sedimentation control and drainage work.	Project owner shall submit copy of CBO's approval to CPM in next monthly compliance report	Upon CBO approval in next monthly compliance report	8/1/2020		Not Started							SERC	GAL
123	COM	COM-1		Unrestricted Access -The project owner shall take all steps necessary to ensure that the CPM, responsible Energy Commission staff, and delegate agencies or consultants, have unrestricted access to the facility site, related facilities, project-related staff, and the records maintained on-site for the purpose of conducting audits, surveys, inspections, or general or closure-related site visits.	Although the CPM will normally schedule site visits on dates and times agreeable to the project owner, the CPM reserves the right to make unannounced visits at any time, whether such visits are by the CPM in person or through representatives from Energy Commission staff, delegated agencies, or consultants.	NA	Life of the project	Conditional		In Progress		Conditional					SERC	TLB
124	COM	COM-10	PC/CONS/C OM/OPS	Amendments, Staff-Approved Project Modifications, Ownership Changes, and Verification Changes - The project owner shall petition the Energy Commission, pursuant to Title 20, California Code of Regulations, section 1769, to modify the design, operation, or performance requirements of the project or linear facilities, or to transfer ownership or operational control of the facility. The CPM will determine whether staff approval will be sufficient, or whether Commission approval will be necessary. It is the project owner's responsibility to contact the CPM to determine if a proposed project change triggers the requirements of section 1769. Section 1769 details the required contents for a Petition to Amend an Energy Commission Decision. The only change that can be requested by means of a letter to the CPM is a request to change the verification method of a condition of certification.	A project owner is required to submit a \$5,000 dollar fee for every petition to amend a previously certified facility, pursuant to Public Resources Code section 25806(e). If the actual amendment processing costs exceed \$5,000.00, the total Petition to Amend reimbursement fees owed by a project owner will not exceed \$830,336, adjusted annually. Current amendment fee information is available on the Energy Commission's website at http://www.energy.ca.gov/siting/fling_fees.html .	Petition to amend, fees	Life of the project	Conditional	PTA#1 - Additional Laydown Area - 5/22/2019 PTA#2 - SoCalGas Additional Laydown Area - 8/19/2019	In Progress	6/21/2019						SERC	PZC
125	COM	COM-11	PC/CONS/C OM/OPS	Reporting of Complaints, Notices, and Citations - Prior to the start of construction or closure, the project owner shall send a letter to property owners within one mile of the project, notifying them of a telephone number to contact project representatives with questions, complaints or concerns. If the telephone is not staffed 24 hours per day, it must include automatic answering with date and time stamp recording. (See Decision COM-11 for specifications).	The project owner shall respond to all recorded complaints within 24 hours or the next business day. The project owner shall post the telephone number onsite and make it easily visible to passersby during construction, operation, and closure. The project owner shall provide the contact	Reports of complaints	Within 5 business days of complaint receipt, and MCR, ACR, or PCR.	Conditional	12/17/2018	Completed	1/17/2019						SERC	GAL
126	COM	COM-12a	PC/CONS	Emergency Response Site Contingency Plan - No less than 60 days prior to the start of construction (or other CPM-approved) date, the project owner shall submit, for CPM review and approval, an Emergency Response Site Contingency Plan. The Contingency Plan shall evidence a facility's coordinated emergency response and recovery preparedness for a series of reasonably foreseeable emergency events.	See Decision COM-12 for specifications	Emergency Response Site Contingency Plan	60 days before start of construction	1/21/2019	1/25/2019	Completed	1/29/2019						SERC	TLB

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178	CUL	CUL-6h	CONS/COM	Cultural Resources Monitoring, Monthly Reports - See Decision CUL-6 for specifications on monitors and daily monitoring logs.	The project owner shall submit monthly MCRs and accompanying weekly summary reports.	Monthly Status Reports of Monitoring, including any new DPR 523A forms, under confidential cover, completed for finds treated prescriptively, as specified in the CRMMP.	Monthly, while monitoring occurs	Monthly		In Progress							JACOBS	GAL
179	CUL	CUL-6i	CONS/COM	Cultural Resources Monitoring, Monthly Reports - See Decision CUL-6 for specifications on monitors and daily monitoring logs.	The project owner shall submit monthly MCRs and accompanying weekly summary reports.	Monthly Status Reports of Monitoring, including any new DPR 523A forms, under confidential cover, completed for finds treated prescriptively, as specified in the CRMMP.	Weekly, while monitoring occurs	Weekly		In Progress							SERC	GAL
180	CUL	CUL-6j	CONS/COM	Cultural Resources Monitoring, Final Updated DPR Forms - See Decision CUL-6 for specifications on monitors and daily monitoring logs.	For sites for which artifacts are collected month after month, final updated DPR forms may be submitted at the completion of monitoring.	Final updated DPR forms	At completion of monitoring	Conditional		Not Started							JACOBS	GAL
181	CUL	CUL-6k	CONS/COM	Cultural Resources Monitoring, Change in Monitoring Level - See Decision CUL-6 for specifications on monitors and daily monitoring logs.	The project owner shall submit to the CPM, for review and approval, a letter or email (or some other form of communication acceptable to the CPM) detailing the CRS's justification for a change in the monitoring level.	Letter or e-mail with justification for changing the monitoring level	At least 24 hours prior to implementing a proposed change in monitoring level	Conditional		Not Started							JACOBS	GAL
182	CUL	CUL-6l	CONS/COM	Cultural Resources Monitoring, Change in Daily Reporting - See Decision CUL-6 for specifications on monitors and daily monitoring logs.	The project owner shall submit to the CPM, for review and approval, a letter or email (or some other form of communication acceptable to the CPM) detailing the CRS's justification for reducing or ending daily reporting.	Letter or e-mail with justification for changing or ending daily reporting	At least 24 hours prior to reducing or ending daily reporting	Conditional		Not Started							JACOBS	GAL
183	CUL	CUL-6m	CONS/COM	Cultural Resources Monitoring, Comments of Native Americans - See Decision CUL-6 for specifications on monitors and daily monitoring logs.	The project owner shall submit to the CPM copies of any comments or information provided by Native Americans in response to the project owner's transmittals of information.	Copies of comments or information provided by Native Americans	Within 15 days of receiving comments from Native Americans	Conditional	2/5/2019 2/15/2019	Completed	N/A						JACOBS	GAL
184	CUL	CUL-7a	PC	Powers of the CRS - The CRS shall have the authority to halt ground disturbance in the event of a discovery. Redirection of ground disturbance shall be accomplished under the direction of the construction supervisor in consultation with the CRS. In the event that a cultural resource over 50 years of age is found (or if, determined exceptionally significant by the CRS), or impacts to such a resource can be anticipated, ground disturbance shall be halted or redirected in the immediate vicinity of the discovery sufficient to ensure that the resource is protected from further impacts. If the discovery includes human remains, the project owner shall comply with the requirements of Health and Human Safety Code § 7050.5(b) and shall additionally notify the CPM and the NAHC of the discovery of human remains. No action with respect to the disposition of human remains of Native American origin shall be initiated without direction from the CPM. Monitoring, including Native American monitoring, and daily reporting, as provided in other conditions, shall continue during the project's ground-disturbing activities elsewhere, while the halting or redirection of ground disturbance in the vicinity of the discovery shall remain in effect until the CRS has visited the discovery, and all of the following have occurred: (See Decision for specifications 1-5).	At least 30 days prior to the start of ground disturbance, the project owner shall provide the CPM and CRS with a letter confirming that the CRS, Alternate CRS, and CRMs have the authority to halt ground disturbance in the vicinity of a cultural resources discovery, and that the project owner shall ensure that the CRS notifies the CPM within 24 hours of a discovery, or by Monday morning if the cultural resources discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning.	Letter of confirmation that the CRS, Alternate CRS, and CRMs have authority to halt ground disturbance	At least 30 days prior to the start of ground disturbance	12/3/2018	11/1/2018	Completed	12/3/2018						JACOBS	GAL

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	CUL	CUL-7b	CONS/COM	DPR-523 Forms (See Decision CUL-7 for specifications).	Unless the discovery can be treated prescriptively, as specified in the CRMPMP, completed DPR 523 forms for resources newly discovered during ground disturbance shall be submitted to the CPM for review and approval.	Forms DPR 523	No later than 24 hours following the notification of the CPM, or 48 hours following the completion of data recodation/ recovery, whichever the CRS decides is more appropriate for the subject cultural resource.	Conditional	Date Submitted to CPM	Not Started		Date Approved by CPM									
185	CUL	CUL-7c	CONS/COM	Inform Native American Groups (See Decision CUL-7 for specifications).	The project owner shall ensure that the CRS notifies all Native American groups that expressed a desire to be notified in the event of a discovery of interest to Native Americans, and the CRS must inform the CPM when the notifications are complete.	Letter to Native Americans and notification to CPM when notifications are complete	Within 48 hours of the discovery of a resource of interest to Native Americans	Conditional		Not Started								JACOBS	GAL		
186	CUL	CUL-7d	CONS/COM	Provide Reports and Records to Native American Groups (See Decision CUL-7 for specifications).	The project owner shall submit to the CPM copies of the information transmittal letters sent to the chairpersons of the Native American tribes or groups who requested the information. Additionally, the project owner shall submit to the CPM copies of letters of transmittal for all subsequent responses to Native American requests for notification, consultation, and reports and records.	Copies of transmittal letters to Native American tribes and copies of letters of subsequent responses to Native American requests	No later than 30 days following the discovery of any Native American cultural materials	Conditional		Not started								JACOBS	GAL		
187	CUL	CUL-7e	CONS/COM	Comments or Information Provided by Native Americans (See Decision CUL-7 for specifications).	The project owner shall submit to the CPM copies of any comments or information provided by Native Americans in response to the project owner's transmittals of information.	Copies of Native Americans comments and information in response to owner transmittals of information.	Within 15 days of receiving comments from Native Americans	Conditional		Not started								JACOBS	GAL		
188	CUL	CUL-8a	CONS	Fill Soils, Borrow or Fill Site Documentation - If fill soils must be acquired from a non-commercial borrow site or disposed of to a non-commercial disposal site, unless less-than-five-year-old surveys of these sites for archaeological resources are provided to and approved by the CPM, the CRS shall survey the borrow or disposal site(s) for cultural resources and record on DPR 523 forms any that are identified. When the survey is completed, the CRS shall convey the results and recommendations for further action to the project owner and the CPM, who will determine what, if any, further action is required. If the CPM determines that significant archaeological resources that cannot be avoided are present at the borrow site, the project owner must either select another borrow or disposal site or implement CUL-7 prior to any use of the site. The CRS shall report on the methods and results of these surveys in the final CRR.	The owner shall notify the CRS and CPM and provide documentation of previous archaeological survey, if any, dating within the past five years, for CPM approval.	Notification to the CPM of the use of a non-commercial borrow site and documentation of previous archaeological survey.	As soon as the project owner knows that a non-commercial borrow site will be used	3/28/2019	3/28/2019	Completed	3/29/2018							JACOBS	GAL		
189	CUL	CUL-8b	CONS	Fill Soils, Cultural Resources Survey - In the absence of documentation of recent archaeological survey, at least 30 days prior to any soil borrow or disposal activities on the non-commercial borrow and/or disposal sites, the CRS shall survey the site(s) for archaeological resources.	The CRS shall notify the project owner and the CPM of the results of the cultural resources survey, with recommendations, if any, for further action.	Results of the cultural resources survey and CRS recommendations for further action, if needed.	At least 30 days before any soil borrow or disposal activities take place on the non-commercial borrow/ disposal site	3/29/2019	3/29/2019	Completed	3/29/2019							JACOBS	GAL		
190	ELEC	ELEC-1a	CONS	Electrical Systems Design Plans and Specifications - Prior to the start of any increment of electrical construction for all electrical equipment and systems 110 Volts or higher (see a representative list, below) the project owner shall submit, for CBO design review and approval, the proposed final design, specifications, and calculations. Upon approval, the above listed plans, together with design changes and design change notices, shall remain on the site or at another accessible location for the operating life of the project. The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS. (See Decision ELEC-1 for specifications)	The project owner shall submit to the CBO for design review and approval the above listed documents. The project owner shall include in this submittal a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS, and shall send the CPM a copy of the transmittal letter in the next monthly compliance report.	Design plans, specifications, and calculations and compliance statement to CBO with copy to CPM	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of each increment of electrical construction	Ongoing	In Progress		1-1.0: 1/23/19 1-2.0: 2/4/2019 1-3.0: 1/23/19 1-4.0: 1/29/19 1-5.0: 3/4/19 1-6.0: 3/22/19 1-7.0: 3/6/19 1-8.0: 5/20/19 1-9.0: 1-10.0: 3/29/19 1-11.0: 1-12.0: 5/20/19 1-13.0 7/24/19 Si-013 PCL 1-13.0 7/26/19 Si-014 PCL	1-1.0: 5/3/19 1-2.0: 2/15/19 1-3.0: 2/6/2019 1-4.0: 2/8/19 1-5.0: 3/14/19 1-6.0: 4/5/19 1-7.0: 3/20/19 1-8.0: 6/3/19 1-9.0: 1-10.0: 4/16/19 1-11.0: 1-12.0: 6/3/19 1-13.0 8/14/19 PCF					SERC	TAT			
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1	Stanton Energy Reliability Center Compliance Matrix (16-AFC-01)											Pre-Construction						
2	All Phases							6/30/2040				Construction						
3												Commissioning						
4				Revised 4/30/2019		Based on Final Staff Assessment						Operations						
	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party SERC	SERC Project Manager TAT
200	GEN	GEN-4a	PC	Resident Engineer - Prior to the start of rough grading, assign a California- registered architect, or a structural or civil engineer, as the resident engineer (RE) in charge of the project. The RE or his/her delegate(s) shall be responsible for the elements listed in this condition (see Decision GEN-4).	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading, submit to the CBO for review and approval, the resume and registration number of the RE and any other delegated engineers assigned to the project.	RE Resume & Registration Number	At least 30 days prior to the start of rough grading	12/3/2018	1/18/2019	Completed	N/A							
201	GEN	GEN-4b	PC/CONS	Approval of RE - See GEN-4a	Notify the CPM of the CBO's approvals of the RE and other delegated engineer(s) within 5 days of the approval.	Notification to CPM	Within 5 days of receiving the approval	12/8/2018	1/18/2019	In Progress							SERC	TAT
202	GEN	GEN-4c	PC/CONS	Approval of Newly Assigned RE - See GEN-4a	Submit new resume and registration number CBO for review and approval	Notification to CBO	Within 5 days of receiving the new resume and registration number	Conditional		Completed		Power: 12/24/2018 Jacobs: 12/24/2018 2/6/19 NVS: 3/4/2019	Power: 1/8/2019 Jacobs: 1/8/2019 2/12/19 NVS: 3/4/2019				SERC	TAT
203	GEN	GEN-4d	PC/CONS	Notification of Newly Assigned RE - See GEN-4a	Notify the CPM of the CBO's approvals of the RE and other delegated engineer(s) within 5 days of the approval.	Notification to CPM	Within 5 days of receiving the approval	Conditional	2/6/2019	In Progress							SERC	GAL
204	GEN	GEN-5a	PC	Registered Engineers - Prior to rough grading and prior to construction, assign at least one of each of the California registered engineers listed in this condition (See Decision GEN-5) to the project. The duties of the engineers are outlined in this condition. These include civil engineer, soils (geotechnical) engineer, engineering geologist, responsible design engineer, mechanical engineer, and electrical engineer.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading or the start of construction, submit to the CBO for review and approval, resumes and registration numbers of the responsible engineers assigned to the project.	Engineer Resumes and registration number for Civil Engineer, Soils (geotechnical) Engineer, and Engineering Geologist	At least 30 days prior to the start of rough grading	12/3/2018		Completed		Power: 12/26/2018 Jacobs: 1/16/2019 NVS: 3/4/2019	Power: 1/8/2019 Jacobs: 1/17/2019 NVS: 3/4/2019				SERC	TLB
205	GEN	GEN-5b	PC	Approval of Responsible Engineers - See GEN-5a	Notify the CPM of the CBO's approvals of the Civil Engineer, Soils (geotechnical) Engineer, and Engineering Geologist within five days of the approval.	Notification to CPM	Within 5 days of the approval	12/8/2018	1/18/2019 4/11/2019	In Progress							SERC	TLB
206	GEN	GEN-5c	PC	Registered Engineers - Prior to rough grading and prior to construction, assign at least one of each of the California registered engineers listed in this condition (See Decision GEN-5) to the project. The duties of the engineers are outlined in this condition. These include civil engineer, soils (geotechnical) engineer, engineering geologist, responsible design engineer, mechanical engineer, and electrical engineer.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading or the start of construction, submit to the CBO for review and approval, resumes and registration numbers of the responsible engineers assigned to the project.	Engineer Resumes and registration number for responsible design engineer, mechanical engineer, and electrical engineer	At least 30 days prior to the start of construction	1/5/2019		Completed		Power: 12/26/2018 Jacobs: 1/16/2019 NVS: 3/4/2019	Power: 1/8/2019 Jacobs: 1/17/2019 NVS: 3/4/2019				SERC	TLB
207	GEN	GEN-5d	PC	Approval of Responsible Engineers - See GEN-5a	Notify the CPM of the CBO's approvals of theresponsible design engineer, mechanical engineer, and electrical engineer within five days of the approval.	Notification to CPM	Within 5 days of the approval	1/18/2019	2/14/2019	Completed							SERC	TLB
208	GEN	GEN-5e	CONS	Reassignment of Designated Engineer - See GEN-5a	Notify the CPM and CBO if a designated responsible engineer is reassigned or replaced.	Engineer Resumes and registration number	Within 5 days of re-assignment	Conditional		Not Started		Conditional					SERC	GAL/TAT
209	GEN	GEN-5f	CONS	Approval of Replacement Engineers - See GEN-5a	Notify the CPM of the CBO's approvals of the reassigned engineers within five days of the approval.	Notification to CPM	Within 5 days of the approval	Conditional	4/11/2019	Completed	4/11/2019						SERC	GAL
210	GEN	GEN-6a	CONS	Special Inspector Assignment - Prior to the start of an activity requiring special inspection, including prefabricated assemblies, the project owner shall assign to the project, qualified and certified special inspector(s) who shall be responsible for the special inspections required by the 2016 CBC. A certified weld inspector, certified by the American Welding Society (AWS), and/or American Society of Mechanical Engineers (ASME) as applicable, shall inspect welding performed on-site requiring special inspection (including structural, piping, tanks and pressure vessels). (See Decision GEN-6 for additional specifications)	Assign certified and qualified special inspectors for special inspections required by the 2016 CBC.	Submit names and qualifications of certified special inspectors to the CBO	At least 15 days before start of an activity requiring special inspectors	Ongoing		In Progress		PC1: 1/16/19 PC2: 1/28/19 6-1.1.0 8/15/19 6-2.1.6 8/16/19 6-3.10/14/19 6-4.0 PC1 12/12/19	PC1: 1/17/19 PC2: 1/29/19 6-3.10/16/19 6-1.1.0 8/16/19 6-4.0 PC1 12/17/19			ARB	TLB	

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2	All Phases							6/30/2040							Pre-Construction							
3															Construction							
4				Revised 4/30/2019		Based on Final Staff Assessment								Commissioning								
5														Operations								
6	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date					Compliance Status for CPM (Not started, in progress, completed (with date))		Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
7									Date Submitted to CPM				Completed			1-1.0: 1/7/19 1-4.0: 1/7/19	1-1.0: 2/1/19 1-4.0: 2/1/19				NVS	TAT
221	GEO	GEO-1a	PC	Soils Engineering Report - A Soils Engineering Report, as required by Section 1803 of the California Building Code (CBC, 2016), or its successor in effect at the time construction of the project commences, shall specifically include laboratory test data, associated geotechnical engineering analyses, and a thorough discussion of seismicity, liquefaction; dynamic compaction; compressible soils; corrosive soils; and ground rupture due to faulting. In accordance with the CBC, the report must also include recommendations for ground improvement and foundation systems necessary to mitigate these (potential geologic hazards, if present). In accordance with the California Business and Professions Code, the appropriate qualified California licensed individual(s) is required to sign and seal the Soils Engineering Report.	The project owner shall include in the application for a grading permit a copy of the Soils Engineering Report which addresses the potential for strong seismic shaking; liquefaction; dynamic compaction; settlement due to compressible soils; corrosive soils; and ground rupture due to faulting, and a summary of how the results of the analyses were incorporated into the project's foundation and grading plan design for review and comment by the delegate chief building official (CBO). The project owner shall provide to the CPM a copy of the Soils Engineering Report, application for grading permit and any comments by the CBO at least 60 days prior to grading.	Submit Copy of the Soils Engineering Report, application for grading permit to CBO for comments	90 days before grading	11/3/2018					Completed									
222	GEO	GEO-1b	PC	Soils Engineering Report - A Soils Engineering Report, as required by Section 1803 of the California Building Code (CBC, 2016), or its successor in effect at the time construction of the project commences, shall specifically include laboratory test data, associated geotechnical engineering analyses, and a thorough discussion of seismicity, liquefaction; dynamic compaction; compressible soils; corrosive soils; and ground rupture due to faulting. In accordance with the CBC, the report must also include recommendations for ground improvement and foundation systems necessary to mitigate these (potential geologic hazards, if present). In accordance with the California Business and Professions Code, the appropriate qualified California licensed individual(s) is required to sign and seal the Soils Engineering Report.	The project owner shall include in the application for a grading permit a copy of the Soils Engineering Report which addresses the potential for strong seismic shaking; liquefaction; dynamic compaction; settlement due to compressible soils; corrosive soils; and ground rupture due to faulting, and a summary of how the results of the analyses were incorporated into the project's foundation and grading plan design for review and comment by the delegate chief building official (CBO). The project owner shall provide to the CPM a copy of the Soils Engineering Report, application for grading permit and any comments by the CBO at least 60 days prior to grading.	Submit Copy of the Soils Engineering Report, application for grading permit, and CBO comments to CPM	60 days before grading	12/3/2018	11/2/2018				Completed		11/26/2018						SERC	GAL
223	HAZ	HAZ-1	OPS	Hazardous Materials Management - The project owner shall not use any hazardous materials not listed in Appendix B, below, or in greater quantities or strengths than those identified by chemical name in Appendix B, below, unless approved in advance by the compliance project manager (CPM).	The project owner shall provide to the CPM, in the Annual Compliance Report, the Hazardous Materials Business Plan's list of hazardous materials and quantities contained at the facility.	Submit Hazardous Materials Business Plan in the Annual Compliance Report.	Annual Compliance Report	12/31/2020					Not Started								SERC	DSR
224	HAZ	HAZ-2a	CONS	HMBP and SPCC - The project owner shall concurrently provide a Hazardous Materials Business Plan (HMBP), a Spill Prevention Control and Countermeasure Plan (SPCC), and a Risk Management Plan (RMP) to the Orange County Environmental Health Division (OCEHD) and the CPM for review. After receiving comments from the OCEHD and the CPM, the project owner shall reflect all recommendations in the final documents. Copies of the final Hazardous Materials Business Plan and RMP shall then be provided to the OCEHD for information and to the CPM for approval.	Prior to receiving any hazardous material on the site for commissioning or operations, the project owner shall provide a copy of the HMBP and SPCC to the CPM for review.	HMBP, SPCC and RMP to CPM for review	Approximately 60 days before receiving hazardous materials on site	7/20/2019	8/2/2019				Completed		9/12/2019 10/14/19	1-1.0 8/6/19 PCI 2-3.0 8/6/19 PCI	10/16/2019				SERC	DSR
225	HAZ	HAZ-2aa	CONS	HMBP and SPCC - The project owner shall concurrently provide a Hazardous Materials Business Plan (HMBP), a Spill Prevention Control and Countermeasure Plan (SPCC), and a Risk Management Plan (RMP) to the Orange County Environmental Health Division (OCEHD) and the CPM for review. After receiving comments from the OCEHD and the CPM, the project owner shall reflect all recommendations in the final documents. Copies of the final Hazardous Materials Business Plan and RMP shall then be provided to the OCEHD for information and to the CPM for approval.	Prior to receiving any hazardous material on the site for commissioning or operations, the project owner shall provide a copy of the HMBP and SPCC to the CPM for review.	HMBP, SPCC and RMP to CPM for review	Approximately 60 days before receiving hazardous materials on site	7/29/2019					Completed				OCEHD	8/2/2019				

	A	B	C	D	E	F	G	H	I	J	K	O	P	Q	R	S	T	U
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2	All Phases							6/30/2040				Construction						
3												Commissioning						
4												Operations						
				Revised 4/30/2019		Based on Final Staff Assessment												
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
226	HAZ	HAZ-2ab	CONS	Final HMBP and SPCC - The project owner shall concurrently provide a Hazardous Materials Business Plan (HMBP), a Spill Prevention Control and Countermeasure Plan (SPCC), and a Risk Management Plan (RMP) to the Orange County Environmental Health Division (OCEHD) and the CPM for review. After receiving comments from the OCEHD and the CPM, the project owner shall reflect all recommendations in the final documents. Copies of the final Hazardous Materials Business Plan and RMP shall then be provided to the OCEHD for information and to the CPM for approval.	At least 30 days prior to receiving any hazardous material on the site for commissioning or operations, the project owner shall provide a copy of a final HMBP and SPCC to the CPM for approval.	HMBP and SPCC to OCEHD for review	At least 30 days before receiving hazardous materials on site	7/29/2019	9/27/2019	Completed	10/14/2019	2-1.1 8/6/19 2-3 PC1 8/6/19 2-3 9/26/19 1-1.0 8/6/19 PC1 2-3.0 8/6/19 PC1	2-1.1 9/4/19 2-3 PC1 9/4/19 2-3 10/15/19 1-1.0 10/16/19					
227	HAZ	HAZ-2ac	CONS	Final HMBP and SPCC - The project owner shall concurrently provide a Hazardous Materials Business Plan (HMBP), a Spill Prevention Control and Countermeasure Plan (SPCC), and a Risk Management Plan (RMP) to the Orange County Environmental Health Division (OCEHD) and the CPM for review. After receiving comments from the OCEHD and the CPM, the project owner shall reflect all recommendations in the final documents. Copies of the final Hazardous Materials Business Plan and RMP shall then be provided to the OCEHD for information and to the CPM for approval.	At least 30 days prior to receiving any hazardous material on the site for commissioning or operations, the project owner shall provide a copy of a final HMBP and SPCC to the CPM for approval.	HMBP and SPCC to OCEHD for review	At least 30 days before receiving hazardous materials on site	7/29/2019		Completed				OCEHD	9/24/2019	7-Nov		
228	HAZ	HAZ-2b	CONS	Final Risk Management Plan - See HAZ-2a	At least 30 days prior to delivery of aqueous ammonia to the site, the project owner shall provide the final RMP to the Certified Unified Program Agency (the Orange County Environmental Health Division) for information and to the CPM for approval.	Final RMP to Certified Unified Program Agency (the Orange County Environmental Health Division)	At least 30 days before delivery of aqueous ammonia on site	7/29/2019	10/25/2019	Completed	11/12/2019						SERC	DSR
229	HAZ	HAZ-2c	CONS	Final Risk Management Plan - See HAZ-2a	At least 30 days prior to delivery of aqueous ammonia to the site, the project owner shall provide the final RMP to the Certified Unified Program Agency (the Orange County Environmental Health Division) for information and to the CPM for approval.	Final RMP to CPM for approval	At least 30 days before delivery of aqueous ammonia on site	10/20/2019		Completed		10/24/2019	10/16/2019				SERC	DSR
230	HAZ	HAZ-2c	CONS	Final Risk Management Plan - See HAZ-2a	At least 30 days prior to delivery of aqueous ammonia to the site, the project owner shall provide the final RMP to the Certified Unified Program Agency (the Orange County Environmental Health Division) for information and to the CPM for approval.	Final RMP to CUPA for information	At least 30 days before delivery of aqueous ammonia on site	10/20/2019		Completed				OCEHD	10/24/2019	7-Nov		
231	HAZ	HAZ-3	CONS/COM	Aqueous Ammonia Safety Management Plan - The project owner shall develop and implement a Safety Management Plan for delivery of aqueous ammonia and other liquid hazardous materials by tanker truck. The plan shall include procedures, protective equipment requirements, training, and a checklist. It shall also include a section describing all measures to be implemented to prevent mixing of incompatible hazardous materials including provisions to maintain lockout control by a power plant employee not involved in the delivery or transfer operation. This plan shall be applicable during construction, commissioning, and operation of the power plant.	At least 30 days prior to the delivery of any liquid hazardous material to the facility, the project owner shall provide a Safety Management Plan as described above to the CPM for review and approval.	Safety Management Plan to CPM	At least 30 days before delivery of any liquid hazardous material to the facility	10/20/2019	9/27/2019	Completed	10/10/2019						SERC	DSR

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5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date		Compliance Status for CPM (Not started, in progress, completed (with date))		Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other Agencies	Date Approved by Other Agencies	Responsible Party SERC	SERC Project Manager GAL
6		HAZ	HAZ-8a	CONS/OPS	Operations Site Security Plan - The project owner shall also prepare a site-specific security plan for the commissioning and operational phases that would be available to the CPM for review and approval. The project owner shall implement site security measures that address physical site security and hazardous materials storage. The level of security to be implemented shall not be less than that described below (as per NERC Security Guideline for the Electricity Sector: Physical Security v2.0). See Decision HAZ-8 for nine items/specifications.	The project owner shall notify the CPM that a site-specific operations site security plan is available for review and approval.	Operations Security Plan	At least 30 days prior to the initial receipt of hazardous materials on site	7/20/2019	Date Submitted to CPM 4/30/2019 (Castle Spike Topper Only) 8/9/2019 9/18/2019	Completed	5/16/2019 (Castle Spike Topper Only) 8/9/2019 11/26/2019							
238		HAZ	HAZ-8b	OPS	Operations Site Security Plan - The project owner shall also prepare a site-specific security plan for the commissioning and operational phases that would be available to the CPM for review and approval. The project owner shall implement site security measures that address physical site security and hazardous materials storage. The level of security to be implemented shall not be less than that described below (as per NERC Security Guideline for the Electricity Sector: Physical Security v2.0). See Decision HAZ-8 for nine items/specifications.	The project owner shall include signed statements similar to Attachment A and Attachment B that all current project employee and appropriate contractor background investigations have been performed, and that updated certification statements have been appended to the operations security plan in Annual Compliance Report. Project Owner shall include a signed statement similar to Attachment C that the operations security plan includes all current hazardous materials transport vendor certifications for security plans and employee background investigations	Signed statements similar to Attachment A, Attachment B, and Attachment C	Annual Compliance Report	12/31/2020		Not Started							SERC	GAL
239		HAZ	HAZ-9	CONS/OPS	Fuel Gas Pipe Cleaning - The project owner shall not allow any fuel gas pipe cleaning activities on site, either before placing the pipe into service or at any time during the lifetime of the facility, that involve "flammable gas blows" where natural (or flammable) gas is used to blow out debris from piping and then vented to atmosphere. Instead, an inherently safer method involving a non-flammable gas (e.g. air, nitrogen, steam) or mechanical pigging, shall be used as per the latest edition of NFPA 56, Standard for Fire and Explosion Prevention during Cleaning and Purging of Flammable Gas Piping Systems. A written procedure shall be developed and implemented as per NFPA 56, section 4.4.1.	The project owner shall submit a copy of the Fuel Gas Pipe Cleaning Work Plan (as described in the 2014 NFPA 56, section 4.4.1) which shall indicate the method of cleaning to be used, what gas will be used, the source of pressurization, and whether a mechanical PIG will be used, to the CBO for information and to the CPM for review and approval.	Fuel Gas Pipe Cleaning Work Plan	At least 30 days before any fuel gas pipe cleaning activities begin	11/27/2019	12/15/2019	Completed	12/19/2019	12/15/2019	12/31/2019				SERC	DSR
240		MECH	MECH-1a	CONS	Plant Piping and Plumbing System Plans- The project owner shall submit, for CBO design review and approval, the proposed final design, specifications, and calculations for each plant major piping and plumbing system listed in the CBO-approved master drawing and master specifications list. The submittal shall also include the applicable quality assurance/ quality control (QA/QC) procedures. Upon completion of construction of any such major piping or plumbing system, the project owner shall request the CBO's inspection approval of that construction. The responsible mechanical engineer shall stamp and sign all plans, drawings, and calculations for the major piping and plumbing systems, subject to CBO design review and approval, and submit a signed statement to the CBO when the proposed piping and plumbing systems have been designed, fabricated, and installed in accordance with all of the applicable laws, ordinances, regulations and industry standards. (See Decision MECH-1 for specifications)	The project owner shall submit to the CBO for design review and approval the final plans, specifications, and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with applicable LORS, and shall send the CPM a copy of the transmittal letter in the next monthly compliance report.	Final plans, specifications, and certification of compliance to CBO for review and approval	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of major piping or plumbing construction listed in the CBO-approved master drawing and master specifications list	Ongoing		In Progress		1.1 : 2/8/2019 1.2: 2/8/19 1.3: 2/11/19 1.4: 3/1/19 1.5: 4/4/19 1.6: 6/10/19 1.6: 6/29/19 1.7: 6/20/19 1.4-0.5/31/19 1-6.0 6/10/19 PC1 1-10 7/23/19 PC1	1.1 : 2/26/19 1.2: 5/16/19 1.3: 5/7/19 1.4: 3/11/19 conditional 1.5: 5/7/19 1.6: 6/10/19 PC1 1.6: 6/25/19 PCF 1.7 7/16/19 PCF 1-4.0 6/19/19 PCF 1-6.0 6/19/19 PC1				Power	TAT
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5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party Innova	SERC Project Manager DSR
255	NOISE	NOISE-4b	COM/OPS	Noise Survey Summary Report - See NOISE-4a	Prepare a summary report of the operational noise survey for submittal to the CPM. Included in the survey report shall be a description of any additional mitigation measures necessary to achieve compliance with the above listed noise limits, and a schedule, subject to CPM approval, for implementing these measures.	Summary report of the operational noise survey to the CPM	Within 15 days after the survey	7/15/2020		Not Started								
256	NOISE	NOISE-4c	COM/OPS	Revised Noise Survey Summary - See NOISE-4a	When the additional mitigation measures are implemented and in place, the project owner shall repeat and prepare a new summary report of the new survey.	Summary report of the new noise survey	Within 15 days of completing a new survey	Conditional		Not Started							Innova	DSR
257	NOISE	NOISE-5	COM/OPS	Occupational Noise Survey - Following the project's attainment of a sustained output of 85 percent or greater of its rated capacity, the project owner shall conduct an occupational noise survey to identify any noise hazardous areas within the power plant. The survey shall be conducted by a qualified person in accordance with the provisions of Title 8, California Code of Regulations, Sections 5095-5099 (Article 105) and Title 29, Code of Federal Regulations, Section 1910.95. The survey results shall be used to determine the magnitude of employee noise exposure. (See Decision NOISE-5 for further information).	The project owner shall submit the noise survey report to the CPM. The project owner shall make the report available to OSHA and Cal-OSHA upon request from OSHA and Cal-OSHA.	Submit to the CPM a summary report of the new noise survey	Within 30 days after completing the new survey	7/1/2020		Not Started		(Ref Only)					Innova	DSR
258	NOISE	NOISE-6	PC	Construction Noise Restrictions - Heavy equipment operation and noisy construction work, including pile driving, shall be restricted to the times delineated in this condition (See Decision NOISE-6). Construction work shall be performed in a manner to ensure excessive noise (noise that draws a project-related complaint) is prohibited and the potential for noise complaints is reduced as much as practicable. Haul trucks and other engine-powered equipment shall be equipped with adequate mufflers and other state-required noise attenuation devices. Haul trucks shall be operated in accordance with posted speed limits. Truck engine exhaust brake use (Jake braking) shall be limited to emergencies.	Prior to ground disturbance, the project owner shall transmit to the CPM a statement acknowledging that the above restrictions will be observed throughout the construction work associated with this project.	Statement acknowledging restrictions	Prior to ground disturbance	1/1/2019	11/26/2018	Completed	1/3/2019	1/22/2019 (Ref Only)	1/24/2019				SERC	GAL
259	NOISE	NOISE-7a	CONS	Pile Driving Technique - The project owner shall perform pile driving in a manner to reduce the potential for any project-related noise and vibration complaints. The project owner shall notify the residents in the vicinity of pile driving prior to start of pile driving activities.	The project owner shall submit to the CPM a description of the pile driving technique to be employed, including calculations showing its projected noise impacts at monitoring location LTL.	Description of the pile driving technique to be used	At least 15 days prior to first pile driving	Conditional		Not Started		(Ref Only) Conditional					SERC	GAF
260	NOISE	NOISE-7b	CONS	Notify Residents, Pile Driving - See NOISE-7a	The project owner shall notify the residents within one mile of the pile driving. In this notification, the project owner shall state that it will perform this activity in a manner to reduce the potential for any project-related noise and vibration complaints as much as practicable. The project owner shall submit a copy of this notification to the CPM prior to the start of pile driving.	Notification to residents within one mile of the project with copy to CPM	At least 10 days prior to first pile driving	Conditional		Not Started		(Ref Only) Conditional					JACOBS	GAL
261	PAL	PAL-1a	PC	Paleontological Resources Specialist - Provide the CPM with the resume and qualifications of the PRS for review and approval. The PRS and Paleontological Resource Specialist (PRS) shall meet the minimum qualifications described in this condition (See Decision PAL-1 for specifications).	At least 60 days prior to the start of ground disturbance, submit a resume and statement of availability of its designated PRS for on-site work.	PRS Resume & Statement of Availability to CPM	At least 60 days prior to the start of ground disturbance	11/3/2018	10/18/2018	Completed	10/18/2018						JACOBS	GAL
262	PAL	PAL-1b	PC	Paleontological Resources Monitors - Ensure that the PRS obtains qualified Paleontological Resource Monitors (PRMs) to monitor as he or she deems necessary on the project. PRMs shall have the equivalent of the qualifications described in this condition (PAL-1).	At least 30 days prior to ground disturbance, provide a letter with resumes naming anticipated monitors, stating that the identified monitors meet the minimum qualifications for paleontological resource monitoring required by the condition.	PRM Resumes & Quals	At least 30 days prior to ground disturbance	12/3/2018	11/1/2018 7/9/2019	Completed	11/9/2018						JACOBS	GAL

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263	PAL	PAL-1c	PC/CONS	Certify additional PRMs (See PAL-1)	PRS shall provide additional letters and resumes to the CPM if needed.	PRM Resumes & Quals	No later than one week before beginning site duties.	Conditional	6/14/2019 6/17/2019(Campbell) 7/9/2019 (Serrano) 8/20/19 9/3/2019 9/23/19 By Pales West (D Alexander) 10/9/19	In Progress	6/17/2019 6/17/2019 (Campbell) 7/11/2019 (Serrano) 8/29/19 9/5/19 9/25/19 (Alexander) 10/9/19						JACOBS	GAL
264	PAL	PAL-1d	PC/CONS	Replacement PRS (See PAL-1)	Prior to any change of the PRS, project owner shall submit resume of proposed new PRS to CPM for review and approval	PRM Resumes & Quals	No time specified.	Conditional	2/27/2019	Not Started	2/27/2019						JACOBS	GAL
265	PAL	PAL-2a	PC	Maps and Drawings to PRS - Provide to the PRS and the CPM, for approval, maps and drawings showing the footprint of the project, as described in this condition (See Decision PAL-2). If construction of the project proceeds in phases, maps and drawings may be submitted prior to the start of each phase. A letter identifying the proposed schedule of each project phase shall be provided to the PRS and CPM. The PRS or PRM shall consult weekly with the project superintendent or construction field manager to confirm area(s) to be worked the following week.	At least 30 days prior to the start of ground disturbance, provide the maps and drawings to the PRS and CPM.	Maps and drawings	At least 30 days prior to the start of ground disturbance	12/3/2018	11/26/2018	Completed	12/21/2018						JACOBS	GAL
266	PAL	PAL-2b	PC	Revised Maps and Drawings - If the footprint of the project or its linear facilities change, the project owner shall provide maps and drawings reflecting those changes to the PRS and CPM.	If there are changes to the footprint of the project, revised maps and drawings shall be provided to the PRS and CPM at least 15 days prior to the start of ground disturbance.	Maps and drawings	At least 15 days prior to the start of ground disturbance	Conditional		Not Started							JACOBS	GAL
267	PAL	PAL-2c	PC/CONS	Schedule Changes - Before work commences on affected phases, the project owner shall notify the PRS and CPM of any construction phase scheduling changes.	If there are changes to the scheduling of the construction phases, submit a letter to the CPM within 5 days of identifying the changes.	Schedule information	Within 5 days of identifying the changes	Conditional		Not Started							SERC	GAL
268	PAL	PAL-3a	PC	Paleontological Resources Monitoring and Mitigation Plan (PRMMP) - A paleontological resources monitoring and mitigation plan (PRMMP) shall include elements (1) through (10) as specified in this condition (See Decision PAL-3) and submitted to the CPM for review and approval to identify general and specific measures to minimize potential impacts to significant paleontological resources. Copies of the PRMMP shall reside with the PRS, each monitor, the project owner's on-site manager, and the CPM.	At least 30 days prior to ground disturbance, provide a copy of the PRMMP to the CPM. The PRMMP shall include an affidavit of authorship by the PRS, and acceptance of the PRMMP by the project owner evidenced by a signature.	PRMMP	At least 30 days prior to ground disturbance	12/3/2018	11/1/2018	Completed	1/14/2019						JACOBS	GAL
269	PAL	PAL-3b	PC	Paleontological Resources Monitoring and Mitigation Plan (PRMMP) - A paleontological resources monitoring and mitigation plan (PRMMP) shall include elements (1) through (10) as specified in this condition (See Decision PAL-3) and submitted to the CPM for review and approval to identify general and specific measures to minimize potential impacts to significant paleontological resources. Copies of the PRMMP shall reside with the PRS, each monitor, the project owner's on-site manager, and the CPM.	At least 30 days prior to ground disturbance, provide a copy of the PRMMP to the CPM. The PRMMP shall include an affidavit of authorship by the PRS, and acceptance of the PRMMP by the project owner evidenced by a signature.	CPM Approval of PRMMP	Prior to ground disturbance	1/19/2019	11/1/2018	Completed	1/14/2019						SERC	GAL
270	PAL	PAL-4a	PC	Worker Environmental Awareness Program, Paleontological Resources - Prior to ground disturbance and for the duration of construction activities involving ground disturbance, as described in this condition (See Decision PAL-4), prepare and conduct weekly CPM-approved paleontological resources training for the workers specified in this condition. The training shall include elements (1) through (7) of this condition.	The project owner shall submit to the CPM for review and comment the draft WEAP, including the brochure and sticker. The submittal shall also include a draft training script and the set of reporting procedures for workers to follow.	Draft WEAP, brochure, sticker, script, and procedures.	At least 30 days prior to ground disturbance	1/19/2019	11/1/2018	Completed	11/9/2018						JACOBS	GAL
271	PAL	PAL-4b	PC	Final WEAP - See PAL-4a	The project owner shall submit to the CPM for approval the final WEAP and training script. If the project owner is planning to use a video for training, a copy of the training video shall be submitted following final approval of WEAP and training script.	Final WEAP materials	At least 15 days before ground disturbance	2/3/2019	1/10/2019	Completed	1/17/2019						JACOBS	GAL

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278		SOCIO	SOCIO-1	PC	School Facility Development Fee - The project owner shall pay the current one-time statutory school facility development fee to the Magnolia Elementary School District and to the Anaheim Union High School District as authorized by Education Code Section 17620 and the Magnolia Elementary School District Board Policy BP 7211 Facilities: Developer Fees.	The project owner shall provide to the compliance project manager (CPM) proof that the delegate chief building official (DCBO) has calculated the assessable covered and enclosed space consistent with local practices and shall provide proof of payment of the development fees, based on the calculated space and current school development fees, to the Magnolia Elementary School District and to the Anaheim Union High School District.	Payment / Proof of payment of the development fees	At least 30 days prior to start of construction	12/3/2018	Completed	12/5/2018	1/7/2019	1/10/2019								
279		S&W	SOIL & WATER-1a	PC	NPDES Construction Permit Requirements - The project owner shall manage storm water pollution from project construction activities by fulfilling the requirements contained in State Water Resources Control Board's National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ, NPDES No. CAS000002) and all subsequent revisions and amendments. The project owner shall develop and implement a construction Storm Water Pollution Prevention Plan (SWPPP) for the construction of the project.	The project owner shall submit to the CPM proof that the construction permit was granted and that a waste discharge identification number (WDID) was issued by the State Water Resources Control Board (SWRCB).	Proof that construction permit was granted and a WDID was issued	At least thirty (30) days prior to site mobilization	12/3/2018	Completed	12/12/2018	SWPPP: 1/7/19 WQMP: 3/18/19	SWPPP: 2/6/19 WQMP: 3/27/19					SERC	GAF		
280		S&W	SOIL & WATER-1b	PC	NPDES Construction Permit Requirements-Storm Water Pollution Prevention Plan (SWPPP) - See SOIL & WATER 1a	Construction SWPPP to SWRQB	See S&W 1a	At least thirty (30) days prior to site mobilization	12/3/2018	Completed	12/12/2018	SWPPP: 1/7/19 WQMP: 3/18/19	SWPPP: 2/6/19 WQMP: 3/27/19					SERC	GAF		
281		S&W	SOIL & WATER-1c	PC/CONS	Correspondence with SARWQCB - See SOIL & WATER 1a	The project owner shall submit to the CPM any correspondence between the project owner and the SWRCB or the Santa Ana Regional Water Quality Control Board (SARWQCB) about the general NPDES permit for discharge of storm water associated with this activity. This information shall include the notice of intent, the notice of termination, and any updates to the construction SWPPP.	Correspondence between the owner and SARWQCB	Within ten (10) days of its mailing or receipt	Conditional	Not started		SWPPP: 1/7/19 WQMP: 3/18/19	SWPPP: 2/6/19 WQMP: 3/27/19					SERC	GAL		
282		S&W	SOIL & WATER-2a	PC	Stormwater Management Plan/WQMP - The project owner shall comply with the Orange County Model Water Quality Management Plan (WQMP) requirements in accordance with Title 4, Division 13 and Title 9, Division 1, of the Orange County Code. The project owner shall provide a WQMP for post-construction storm water BMPs to Orange County for review and the CPM for review and approval. The project owner shall notify the CPM in writing of any reported non-compliance with the county requirements, including documentation of any measures taken to correct the noncompliance, and the results of those corrective measures. See Decision SOIL&WATER-2 for additional specifications.	The project owner shall provide a WQMP for post-construction storm water BMPs to the CPM and to the Orange County Public Works Department.	WQMP for post-construction stormwater BMPs	At least 120 days prior to site grading	9/14/2018	Completed	9/14/2018	PC1-1/17/2019 PC2-2/27/19 PC3-3/18/19 (Ref Only)	3/5/2019 3/27/2019					SERC	GAL		
283		S&W	SOIL & WATER-2b	PC	Orange County Public Works Department Review of WQMP - See SOIL & WATER 2a	Obtain County review of the WQMP	Verification of the county's completed review of the WQMP	30 days before grading	12/3/2018	Completed	12/1/2/18							SERC	GAF		
284		S&W	SOIL & WATER-2c	PC/CONS	Correspondence with County Re: Stormwater - See SOIL & WATER 2a	The project owner shall submit to the CPM all copies of any relevant correspondence between the project owner and the county regarding storm water management.	Copies of correspondence with the County regarding storm water management	Within 10 days of its mailing or receipt	Conditional	Not Started								SERC	GAL		

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285	S&W	SOIL & WATER-3a	PC/CONS	Hydrostatic and Dewatering Water Discharge Permit Requirements: Prior to initiation of discharge to surface water from hydrostatic testing water or groundwater from dewatering, the project owner shall obtain a National Pollutant Discharge Elimination System permit for discharge when applicable. The project owner shall comply with the requirements of the NPDES Permit Order No. CAG998001 for hydrostatic testing and dewatering (if applicable) water discharge. The project owner shall provide a copy of all permit documentation sent to the Santa Ana Regional Water Quality Control Board (SARWQCB) or State Water Resources Control Board (SWRCB) to the CPM and notify the CPM in writing of any reported non-compliance.	The project owner shall submit to the CPM documentation that all necessary NPDES permits were obtained from the SARWQCB or SWRCB at least 30 days prior to construction.	Documentation that NPDES permits are obtained	Thirty (30) days prior to the first scheduled hydrostatic testing event or discharge of groundwater dewatering water	12/3/2018	12/4/2018	In Progress	12/13/2018	(Ref Only)								
286	S&W	SOIL & WATER-3b	PC	NPDES Plans and Permits - See SOIL&WATER-3a	The project owner shall submit to the CPM a copy of the relevant plans and permits received.	Plans and permits	Thirty days (30) prior to project construction	12/3/2018	12/6/2018	Completed	12/11/2018	(Ref Only)					SERC	GAL		
287	S&W	SOIL & WATER-3c	PC/CONS/O PS	Correspondence with SWRCB - See SOIL&WATER-3a	The project owner shall submit to the CPM all copies of any relevant correspondence between the project owner and the SWRCB regarding NPDES permits in the annual compliance report.	Copies of correspondence	Annual Compliance Report	12/31/2020		Not Started		(Ref Only)					SERC	GAL		
288	S&W	SOIL & WATER-4a	CONS	Water Use and Reporting - Water supply for project construction and operation shall be potable water supplied by Golden State Water Company. Project water use for construction shall not exceed 5.6 acre-feet. Project operation water use shall not exceed 34 AFY. The project owner shall record daily water use for the project's construction and operation. The project owner shall comply with the water use limits and reporting requirements described below.	During project construction, the monthly compliance report shall include a monthly summary of daily water use. After construction is complete, the project's annual compliance report shall include a monthly summary of daily water use.	Summary of daily water use	Monthly Compliance Report	Monthly		In progress		(Ref Only)					ARB	GAL		
289	S&W	SOIL & WATER-4b	COM/OPS	Water Use and Reporting - Water supply for project construction and operation shall be potable water supplied by Golden State Water Company. Project water use for construction shall not exceed 5.6 acre-feet. Project operation water use shall not exceed 34 AFY. The project owner shall record daily water use for the project's construction and operation. The project owner shall comply with the water use limits and reporting requirements described below.	During project construction, the monthly compliance report shall include a monthly summary of daily water use. After construction is complete, the project's annual compliance report shall include a monthly summary of daily water use.	Monthly and annual summary of water use	Annual Compliance Report	12/31/2020		In Progress		(Ref Only)					SERC	DSR		
290	S&W	SOIL & WATER-5a	PC/CONS/O PS	Water Metering - The water supply for project construction and operation shall be the potable water supply from Golden State Water Company. Prior to the use of water during commercial operation, the project owner shall install and maintain metering devices as part of the water supply and distribution system to monitor and record in gallons per day the total volume(s) of water supplied from Golden State Water Company. Those metering devices shall be operational for the life of the project.	The project owner shall submit to the CPM evidence that metering devices have been installed and are operational.	The project owner shall submit to the CPM evidence that they have complied with all requirements and paid the necessary fees for connection	At least thirty (30) days prior to use of the Golden State Water Company potable water supply	12/3/2018 See Date Below	11/29/2018	In Progress	12/1/2/18	(Ref Only)					ARB	GAL		
291	S&W	SOIL & WATER-5b	PC/CONS/C OM/OPS	Water Metering - The water supply for project construction and operation shall be the potable water supply from Golden State Water Company. Prior to the use of water during commercial operation, the project owner shall install and maintain metering devices as part of the water supply and distribution system to monitor and record in gallons per day the total volume(s) of water supplied from Golden State Water Company. Those metering devices shall be operational for the life of the project.	The project owner shall submit to the CPM evidence that metering devices have been installed and are operational.	Evidence that metering devices have been installed and are operational	At least thirty (30) days prior to use of the Golden State Water Company potable water supply.	3/16/2020	2/22/2019 3/21/2019	In Progress	working	(Ref Only)					SERC	GAL		
292	S&W	SOIL & WATER-5c	COM/OPS	Water Metering - The water supply for project construction and operation shall be the potable water supply from Golden State Water Company. Prior to the use of water during commercial operation, the project owner shall install and maintain metering devices as part of the water supply and distribution system to monitor and record in gallons per day the total volume(s) of water supplied from Golden State Water Company. Those metering devices shall be operational for the life of the project.	Provide a report on the servicing, testing, and calibration of the metering devices in the ACR. Fees paid to Golden State Water Company shall be reported in the ACR for the life of the project.	Provide a report on the servicing, testing, and calibration of the metering devices in the ACR	Annual Compliance Report	12/31/2020				(Ref Only)					SERC	DSR		

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293	S&W	SOIL & WATER-5d	COM/OPS	Water Metering - The water supply for project construction and operation shall be the potable water supply from Golden State Water Company. Prior to the use of water during commercial operation, the project owner shall install and maintain metering devices as part of the water supply and distribution system to monitor and record in gallons per day the total volume(s) of water supplied from Golden State Water Company. Those metering devices shall be operational for the life of the project.	Provide a report on the servicing, testing, and calibration of the metering devices in the ACR. Fees paid to Golden State Water Company shall be reported in the Annual Compliance Report (ACR) for the life of the project.	Fees paid to Golden State Water Company shall be reported in the Annual Compliance Report (ACR)	Annual Compliance Report	12/31/2020				(Ref Only)						
294	S&W	SOIL & WATER-6a	PC/CONS	Sewer Connections - The project owner shall pay the city of Stanton all fees normally associated with connections to the city's sanitary sewer or water supply system as defined in the city's code, Title 14 Water and Sewers.	The owner shall provide the CPM documentation indicating that the city has accepted the project's connections to the sewer system.	Documentation that the City accepts the SERC's sewer connection.	Prior to the use of the city's sewer system	6/30/2019	(Pacific Street - existing line) 5/9/2019	Completed	5/16/2019	(Ref Only)					ARB	GAL
295	S&W	SOIL & WATER-6b	CONS/COM/OPS	Sewer Connections - The project owner shall pay the city of Stanton all fees normally associated with connections to the city's sanitary sewer or water supply system as defined in the city's code, Title 14 Water and Sewers.	Monthly and annual summary of waste water discharge and fees paid to the city shall be reported in the ACR.	Fees paid to the city shall be reported in the ACR.	Annual Compliance Report	12/31/2020				(Ref Only)					SERC	DSR
296	S&W	SOIL & WATER-6c	CONS/COM/OPS	Sewer Connections - The project owner shall pay the city of Stanton all fees normally associated with connections to the city's sanitary sewer or water supply system as defined in the city's code, Title 14 Water and Sewers.	Monthly and annual summary of waste water discharge and fees paid to the city shall be reported in the ACR.	Monthly and annual summary of waste water discharge.	Annual Compliance Report	12/31/2020				(Ref Only)					SERC	DSR
297	S&W	SOIL & WATER-7	PC/CONS	Jack and Bore Permits - Prior to the initiation of any Carbon Creek jack and bore activities for the natural gas pipeline, the project owner shall apply for coverage under the following permits: (see Decision SOIL&WATER 7 for list) - Section 401, Section 404, Section 408, Streambed Alteration Agreement,	The project owner shall provide the CPM with copies of the applicable permits or agreements.	Permits or agreement documents	No later than thirty (30) days prior to any construction-related activities that could affect water quality in Carbon Creek	6/30/2019	5/31/2019	Completed	6/19/2019	(Ref Only) 9/5/19 12/6/19	12/12/2019				SoCalGas	GAL
298	S&W	SOIL & WATER-8a	PC	Bridge Encroachment Permits - The project owner shall obtain an encroachment permit for the construction of the vehicle and utility bridges from the Orange County Public Works Department in accordance with Orange County Code – Title 9, Division 2, Article 2, Sections 9-2-40 and 9-2-50. The project owner shall pay all necessary fees to Orange County Public Works Department for compliance with the permit review and approval process. The project owner shall submit the encroachment permit application package to Orange County Public Works Department and the CPM for review and approval prior to construction. The project owner shall also provide a copy of the approved permit to the CPM.	The project owner shall provide a copy of the application package for the encroachment permit and any comments from Orange County Public Works Department to the CPM for review and approval.	Application for encroachment permit and OCPWD comments	At least ninety (90) days prior to bridge construction	11/27/2018	9/17/2018	Completed	12/13/2018	2/5/19 (Ref Only)	2/5/19 (Ref Only)				SERC	GAL
299	S&W	SOIL & WATER-8b	PC	OCPWD Permit - See SOIL&WATER-8a	The project owner shall submit a copy of the final approved permit from Orange County Public Works Department to the CPM for review and approval.	Copy of final approved permit from OCPWD	At least 30 days prior to bridge construction	1/26/2019	2/1/2019	Completed	3/12/2019	2/5/2019 (Ref Only)	2/5/19 (Ref Only)				SERC	GAL

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317	TRANS	TRANS-2a	PC	Traffic Control Plan - Prior to the start of construction, the project owner shall prepare a Traffic Control Plan (TCP) for the project's construction traffic. The TCP shall address the movement of workers, vehicles, and materials, including arrival and departure schedules and designated workforce and delivery routes. The project owner shall consult with the city of Stanton in the preparation and implementation of the TCP. The project owner shall submit the proposed TCP to the city in sufficient time for review and comment, and to the CPM for review and approval prior to the proposed start of construction and implementation of the plan. (See Decision TRANS-2 for specifics).	The project owner shall submit the TCP to the city of Stanton for review	Traffic Control Plan and transmittal letter to City of Stanton	At least 60 calendar days prior to the start of construction	12/6/2018		Completed				City of Stanton	3/1/2019 7/1/2019	3/4/2019 7/1/2019	JACOBS	GAL
318	TRANS	TRANS-2b	PC	Traffic Control Plan - Prior to the start of construction, the project owner shall prepare a Traffic Control Plan (TCP) for the project's construction traffic. The TCP shall address the movement of workers, vehicles, and materials, including arrival and departure schedules and designated workforce and delivery routes. The project owner shall consult with the city of Stanton in the preparation and implementation of the TCP. The project owner shall submit the proposed TCP to the city in sufficient time for review and comment, and to the CPM for review and approval prior to the proposed start of construction and implementation of the plan. (See Decision TRANS-2 for specifics).	The project owner shall submit the TCP to the CPM for review and approval. The project owner shall also provide the CPM with a copy of the transmittal letter to the city of Stanton requesting review and comment.	Traffic Control Plan and transmittal letter to City of Stanton	At least 60 calendar days prior to the start of construction	11/29/2018	10/18/2018 11/29/2018 3/1/2019 7/1/2019	Completed	12/16/18 12/21/2018 3/5/2019 7/18/2019	1/22/2019 (Ref Only)	1/23/2019				JACOBS	GAL
319	TRANS	TRANS-2c	PC	Letters of Comment on TCP - See TRANS-2a	The project owner shall provide copies of any comment letters received from the city of Stanton or any other interested agencies, along with any changes to the TCP, for CPM review and approval.	Copies of comment letters	At least 30 calendar days prior to the start of construction	1/5/2019	11/29/2018	Completed	12/4/2018						JACOBS	GAL
320	TRANS	TRANS-2d	PC	Final TCP to City - See TRANS-2a	The project owner shall provide completed copies of the final TCP to the city of Stanton and any other interested agencies, sending copies of the correspondence to the CPM.	Copies of final TCP to City and interested parties	After CPM review and approval	3/1/2019	11/29/2018	Completed	12/4/2018	1/22/2019 (Ref Only)	1/23/2019	City of Stanton	3/1/2019	3/4/2019	JACOBS	GAL
321	TRANS	TRANS-3a	PC	Restoration of Public Roads, Easements, and Rights-of-Way - The project owner shall restore all public roads, easements, rights-of-way, and any other transportation infrastructure damaged due to project-related construction and traffic. Restoration shall be completed in a timely manner to the infrastructure's original condition. Restoration of significant damage which could cause hazards (such as potholes, deterioration of pavement edges, or damaged signage) shall take place immediately after the damage has occurred. Prior to the start of site mobilization, the project owner shall notify the relevant agencies, including the city of Stanton, county of Orange, Caltrans District 12, and any jurisdictions affected by construction of the linear facilities, of the proposed schedule for project construction. The purpose of this notification is to request that these agencies consider postponement of any planned public right-of-way repairs or improvement activities in areas affected by project construction until construction is completed, and to coordinate any concurrent activities that cannot be postponed.	Prior to the start of site mobilization, the project owner shall videotape roads and intersections along the major routes construction vehicles would take in the vicinity of the project site. The project owner shall provide the videotapes or other recorded visual media to the CPM.	Videotape of pre-project road conditions	Prior to the start of site mobilization	1/31/2019	1/30/2019	Completed	1/31/2019	1/31/2019 (Ref Only)	1/31/2019				SERC	GAL

	A	B	C	D	E	F	G	H	I	J	K	O	P	Q	R	S	T	U
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3												Commissioning						
4												Operations						
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322	TRANS	TRANS-3b	CONS	Roadway Repair Acceptance - See TRANS-3a	If damage to any public road, easement, or right-of-way occurs during construction, the project owner shall notify the CPM and the affected agency/agencies to identify the sections to be repaired. At that time, the project owner and CPM shall establish a schedule for completion of the repairs with which the project owner must comply, unless approval for a schedule change is provided by the CPM. Following completion of any repairs, the project owner shall provide the CPM with letters signed by the affected agency/ agencies stating their satisfaction with the repairs.	Notify CPM and affected agencies to identify sections to be repaired. Establish schedule for completion of repairs with CPM	7/2/2020	Conditional		Not started		(Ref Only)						
323	TRANS	TRANS-3c	CONS	Roadway Repair Acceptance - See TRANS-3a	If damage to any public road, easement, or right-of-way occurs during construction, the project owner shall notify the CPM and the affected agency/agencies to identify the sections to be repaired. At that time, the project owner and CPM shall establish a schedule for completion of the repairs with which the project owner must comply, unless approval for a schedule change is provided by the CPM. Following completion of any repairs, the project owner shall provide the CPM with letters signed by the affected agency/ agencies stating their satisfaction with the repairs.	Letters signed by the agency accepting the repairs	Following completion of repairs	Conditional		Not started		(Ref Only)					SERC	GAL
324	TRANS	TRANS-4a	PC/CONS	Encroachment into Public Rights-of-Way - Prior to any ground disturbance, improvements, or obstruction of traffic within any public road, easement, or right-of-way, the project owner shall coordinate with all applicable jurisdictions, including the city of Stanton, to obtain necessary encroachment permits and comply with all applicable regulations, including applicable road standards.	The project owner shall provide copies to the CPM of all permits received from any affected jurisdictions.	Copies of permits from affected jurisdictions	At least 10 days prior to ground disturbance, improvements, or interruption of traffic in or along any public road, easement, or right-of-way	So Cal Gas 6/8/19 SCE 9/20/19	7/31/2019	Completed	8/1/2019	(Ref Only) 7/31/19					SoCalGas/SCE	GAL
325	TRANS	TRANS-4b	CONS/OPS	Copies of Permits - See TRANS-4b	The project owner shall retain copies of the issued permits and supporting documentation in its compliance file.	Copies of the issued permits	Minimum of 180 calendar days after the start of commercial operation.	12/29/2020		In Progress							SERC	TLB
326	TRANS	TRANS-5a	CONS	Transportation of Hazardous Materials -The project owner shall contract with licensed hazardous materials delivery and waste hauler companies for the transportation of hazardous materials and wastes. The project owner shall ensure compliance with all applicable regulations and implementation of the proper procedures.	The owner shall provide the names of the contracted hazardous materials delivery and waste hauler companies used, as well as licensing verification. Licensing verification only needs to be included in the MCRs when a new company is used. If a company's licensing verification has already been submitted in an MCR, it is not necessary to submit it again.	Names of hazardous materials haulers and licensing verification in MCRs	Monthly during construction	Monthly		In Progress							SERC	GAL
327	TRANS	TRANS-5b	OPS	Transportation of Hazardous Materials -The project owner shall contract with licensed hazardous materials delivery and waste hauler companies for the transportation of hazardous materials and wastes. The project owner shall ensure compliance with all applicable regulations and implementation of the proper procedures.	The owner shall provide the names of the contracted hazardous materials delivery and waste hauler companies used, as well as licensing verification. Licensing verification only needs to be included in the MCRs when a new company is used. If a company's licensing verification has already been submitted in an MCR, it is not necessary to submit it again.	Names of hazardous materials haulers and licensing verification in ACR	Annual Compliance Report	12/31/2020		Not started		(Ref Only)					SERC	DSR

	A	B	C	D	E	F	G	H	I	J	K	O	P	Q	R	S	T	U
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3												Commissioning						
4				Revised 4/30/2019		Based on Final Staff Assessment						Operations						
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
328	TRANS	TRANS-6a	PC	Rail Crossing Safety Plan - Prior to any construction-related ground disturbance, the project owner shall develop and implement a rail crossing safety plan for construction that addresses construction-related pedestrian activity (including workers walking between the parking area and the site or working at the site), construction vehicles, and heavy/oversize loads. The rail crossing safety plan must include plans for a flagger at the railroad tracks during worker arrival and departure times to ensure safe worker crossing.	The project owner shall submit the rail crossing safety plan to the city of Stanton for review and comment	Rail Crossing Safety Plan and transmittal letters to City and UPRR	At least 60 calendar days prior to the start of construction-related ground disturbance	12/20/2018	11/1/2018	Completed	12/21/2018							
329	TRANS	TRANS-6b	PC	Rail Crossing Safety Plan - Prior to any construction-related ground disturbance, the project owner shall develop and implement a rail crossing safety plan for construction that addresses construction-related pedestrian activity (including workers walking between the parking area and the site or working at the site), construction vehicles, and heavy/oversize loads. The rail crossing safety plan must include plans for a flagger at the railroad tracks during worker arrival and departure times to ensure safe worker crossing.	The project owner shall submit the rail crossing safety plan to Union Pacific Railroad (UPRR) for review and comment	Rail Crossing Safety Plan and transmittal letters to City and UPRR	At least 60 calendar days prior to the start of construction-related ground disturbance	12/20/2018	11/1/2018	Completed	N/A			UPRR	11/1/18	No comments received from UPRR. Comments were requested by 11/30/18	SERC	GAL
330	TRANS	TRANS-6c	PC	Rail Crossing Safety Plan - Prior to any construction-related ground disturbance, the project owner shall develop and implement a rail crossing safety plan for construction that addresses construction-related pedestrian activity (including workers walking between the parking area and the site or working at the site), construction vehicles, and heavy/oversize loads. The rail crossing safety plan must include plans for a flagger at the railroad tracks during worker arrival and departure times to ensure safe worker crossing.	The project owner shall submit the rail crossing safety plan to the CPM for review and approval. The project owner shall also provide the CPM with a copy of the transmittal letters to the city of Stanton and UPRR requesting review and comment.	Rail Crossing Safety Plan and transmittal letters to City and UPRR	At least 60 calendar days prior to the start of construction-related ground disturbance	12/20/2018	12/3/2018	Completed	1/24/2019			City of Stanton UPRR	City of Stanton: 10/29/2018; UPRR: 11/1/2018	City of Stanton: 10/29/18	SERC	GAL
331	TRANS	TRANS-6d	PC	Final Rail Crossing Safety Plan - See TRANS-6a	The project owner shall provide copies of any comment letters received from the city of Stanton and UPRR, along with any changes to the rail crossing safety plan, for CPM review and approval.	Final Rail Crossing Safety Plan and copies of comment letters	At least 30 calendar days prior to the start of construction-related ground disturbance	1/19/2019	12/3/2018	Completed	1/24/2019						JACOBS	GAL
332	TRANS	TRANS-6e	PC	Final Rail Crossing Safety Plan - See TRANS-6a	After CPM review and approval, the project owner shall provide completed copies of the final rail crossing safety plan to the city of Stanton and UPRR, sending copies of the correspondence to the CPM.	Final Rail Crossing Safety Plan and copies of comment letters	At least 30 calendar days prior to the start of construction-related ground disturbance	1/19/2019	1/19/2019	Completed	1/24/2019			City of Stanton UPRR			SERC	GAL
333	TRANS	TRANS-7	CONS	FAA Notification for Construction Equipment at or Exceeding 153 Feet AGL - The project owner or its contractor(s) shall file Federal Aviation Administration (FAA) Form 7460-1, Notice of Proposed Construction or Alteration, with the FAA for any construction equipment 153 feet above ground level (AGL) or taller. The project owner shall comply with any conditions imposed by the FAA as part of their hazard determination, such as marking and lighting requirements.	The project owner shall submit to the CPM a copy of the FAA's hazard determination.	FAA Form 7460-2, Notice of Actual Construction or Alteration	At least 30 days prior to the presence onsite of any construction equipment 153 feet AGL or taller	4/24/2019	4/24/2019 5/1/2019 (corrected elevation)	Completed	5/1/2019 8/5/19						JACOBS	GAL
334	TRANS	TRANS-8a	CONS	Pilot Notification and Awareness - The project owner shall initiate the following actions to ensure pilots are aware of the project location and potential hazards to aviation. (See Decision TRANS-8 for specifications).	The project owner shall submit to the CPM for review and approval draft language for the letters of request to the FAA, the LAAA Manager, and the FMA Manager. The letters should request a response within 30 days that includes a timeline for implementing the required actions.	Draft letters to the FAA, LAAA Manager, and FMA Manager	Within 60 days following the start of construction	4/19/2019	3/20/2019	Completed	3/22/2019						JACOBS	GAL
335	TRANS	TRANS-8b	CONS	Final Letters to FAA, LAAA, and FMA - See TRANS-8a	The project owner shall submit the required letters of request to the FAA, the LAAA Manager, and the FMA Manager. The project owner shall submit copies of these requests to the CPM. A copy of any resulting correspondence shall be submitted to the CPM within 10 days of receipt. If the FAA, the LAAA Manager, or the FMA Manager does not respond within 30 days, the project owner shall contact the CPM.	Final letters to the FAA, LAAA Manager, and FMA Manager	Within 60 days after CPM approval of the draft language	5/7/2019	3/22/2019	Completed	5/22/2019			Los Alamitos Army Airfield, FAA, Fullerton Municipal Airport	3/27/2019		JACOBS	GAL

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336	TRANS	TRANS-8c	CONS	Correspondence from FAA, LAAA, or FMA - See TRANS-8a	A copy of any resulting correspondence shall be submitted to the CPM within 10 days of receipt. If the FAA, the LAAA Manager, or the FMA Manager does not respond within 30 days, the project owner shall contact the CPM.	Copy of correspondence from FAA, LAA or FMA	Within 10 days of receipt	Conditional	FMA - 04/02/2019 FMA&LAAA - 04/11/2019 Additional LAAA correspondence Transmitted on 5/13/19	Completed	4/11/2019							
337	TRANS	TRANS-8d	CONS	Correspondence from FAA, LAAA, or FMA - See TRANS-8a	A copy of any resulting correspondence shall be submitted to the CPM within 10 days of receipt. If the FAA, the LAAA Manager, or the FMA Manager does not respond within 30 days, the project owner shall contact the CPM.	Contact CPM if FAA, LAA Manager or FMA manager does not respond	Within 30 days after submittal	5/8/2019	5/8/2019	Completed	5/9/2019						SERC	GAL
338	TSE	TSE-1	CONS	Schedule of Designs, Master Drawing List, Specification Lists - Furnish to the CPM and to the CBO a schedule of transmission facility design submittals, as described in this condition (See Decision TSE-1), a Master Drawing List, a Master Specifications List, and a Major Equipment and Structure List. Provide designated packages to the CPM when requested.	Prior to the start of construction, submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM. The schedule shall contain the elements listed in this condition. Additions and deletions shall be made to the table only with CPM and CBO approval.	Schedule, Master Drawing and Specifications Lists	Prior to the start of construction of transmission facilities	5/1/2019	5/30/2019	Completed	6/17/2019	5/29/2019	6/12/2019				Power	GAL
339	TSE	TSE-2a	CONS	Final Switchyard Design- For the power plant switchyard, outlet line, and termination, the project owner shall not begin any construction until plans for that increment of construction have been approved by the CBO. These plans, together with design changes, and design change notices, shall remain on the site for one year after completion of construction. The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	The project owner shall submit to the CBO for review and approval the final design plans, specifications, and calculations for the power plant switchyard, outlet line, and termination, including a copy of the signed and stamped statement from the responsible electrical engineer verifying compliance with all applicable LORS.	Approval of Final design plans, specifications, and calculations for the power plant switchyard, outlet line, and termination with compliance - Gen-Tie a) Civil design b) Structural design c) electrical design a) Civil design b) electrical design	Prior to the start of each increment of construction - Switchyard	6/30/2019		Completed		2-1.0 8/2/19 PC1	2-1.0 8/22/19 PC1				Power / SCE	GAL
340	TSE	TSE-2b	CONS/COM/OPS	Final Switchyard Design- For the power plant switchyard, outlet line, and termination, the project owner shall not begin any construction until plans for that increment of construction have been approved by the CBO. These plans, together with design changes, and design change notices, shall remain on the site for one year after completion of construction. The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	The project owner shall submit to the CBO for review and approval the final design plans, specifications, and calculations for the power plant switchyard, outlet line, and termination, including a copy of the signed and stamped statement from the responsible electrical engineer verifying compliance with all applicable LORS.	Maintain Final design plans, specifications, and calculations for the power plant switchyard, outlet line, and termination with compliance certification letter	For 1 year after completion of construction	4/8/2021									SERC	DSR
341	TSE	TSE-2c	CONS	Final Switchyard Design- For the power plant switchyard, outlet line, and termination, the project owner shall not begin any construction until plans for that increment of construction have been approved by the CBO. These plans, together with design changes, and design change notices, shall remain on the site for one year after completion of construction. The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	The project owner shall submit to the CBO for review and approval the final design plans, specifications, and calculations for the power plant switchyard, outlet line, and termination, including a copy of the signed and stamped statement from the responsible electrical engineer verifying compliance with all applicable LORS.	Make request for CBO inspection of installation applicable to LORS	During construction	1/2/2020		Completed							SERC	TLB
342	TSE	TSE-2d	CONS/COM/OPS	Transmittal Letter in MCR - See TSE-2a	Send the CPM a copy of the transmittal letter to the CBO in the next monthly compliance report.	Transmittal in MCR	Monthly	Ongoing	8/14/2019	Completed	9/14/2019						SERC	GAL

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348	TSE	TSE-5c	COM/OPS	As-Built Drawings - The project owner shall be responsible for the inspection of the transmission facilities during and after project construction, and any subsequent CPM and CBO approved changes thereto, to ensure conformance with CPUC General Order (GO) 95, CPUC GO 128, or NESC, Title 8, CCR, Articles 35, 36 and 37 of the "High Voltage Electric Safety Orders", applicable Interconnection standards, as well as NEC and related industry standards. In case of nonconformance, the project owner shall inform the CPM and CBO in writing, within 10 days of discovering such non-conformance, and describe the corrective actions to be taken.	Within 60 days after first synchronization of the project, the project owner shall transmit to the CPM and CBO "as built engineering descriptions" and inspection summaries (see Decision TSE-5 Verification for specifications)	"As built" engineering descriptions of mechanical structure and civil portion of transmission facilities signed and sealed by Registered Engineer and maintain records at plant	Within 60 days after first synchronization of the project	6/15/2020		Not Started												
349	TSE	TSE-5d	COM/OPS	As-Built Drawings - The project owner shall be responsible for the inspection of the transmission facilities during and after project construction, and any subsequent CPM and CBO approved changes thereto, to ensure conformance with CPUC General Order (GO) 95, CPUC GO 128, or NESC, Title 8, CCR, Articles 35, 36 and 37 of the "High Voltage Electric Safety Orders", applicable Interconnection standards, as well as NEC and related industry standards. In case of nonconformance, the project owner shall inform the CPM and CBO in writing, within 10 days of discovering such non-conformance, and describe the corrective actions to be taken.	Within 60 days after first synchronization of the project, the project owner shall transmit to the CPM and CBO "as built engineering descriptions" and inspection summaries (see Decision TSE-5 Verification for specifications)	Summary of inspections of the completed transmission facilities and identification of any nonconforming work and corrective actions taken, signed and sealed by registered engineer submitted to CPM and CBO	Within 60 days after first synchronization of the project or completed transmission facilities	6/15/2020		Not Started								SERC	GAF			
350	VIS	VIS-1a	PC	Surface Treatment of Project Structures - The project owner shall treat the surfaces of all project structures and buildings visible to the public such that a) their colors minimize visual intrusion and contrast by blending with the landscape; b) their colors and finishes do not create excessive glare; and c) their colors and finishes are consistent with local policies and ordinances. The transmission line conductors shall be non-specular and non-reflective, and the insulators shall be non-reflective and non-refractive. See Decision VIS-1 for specifications)	The project owner shall submit the proposed treatment plan to the CPM for review and approval and simultaneously to the city of Stanton for review and comment.	Proposed Surface Treatment Plan	At least 90 days prior to specifying to the vendor the colors and finishes of the first structures or buildings that are surface treated during manufacture	11/10/2017	2/26/19 3/6/2019	Completed	3/14/2019	3/12/2019 (Ref Only)	3/18/2019	City of Stanton	3/6/2019	3/11/2019 (City of Stanton Approval - no comments)	SERC	GAL				
351	VIS	VIS-1b	PC/CONS	Revised Surface Treatment Plan - See VIS-1a	If the CPM determines that the plan requires revision, the project owner shall provide to the CPM a plan with the specified revision(s) for review and approval by the CPM before any treatment is applied. Any modifications to the treatment plan must be submitted to the CPM for review and approval.	Revised Surface Treatment Plan	Any modifications to the treatment plan must be submitted to the CPM for review and approval	Conditional		Not Started		(Ref Only)						SERC	GAL			
352	VIS	VIS-1c	CONS	Notification that Treatment Completed - See VIS-1a	The project owner shall notify the CPM that surface treatment of all listed structures and buildings has been completed and is ready for inspection and shall submit one set of electronic color photographs from the same Key Observation Points (KOP) 1 and 2.	Notification to the CPM that surface treatment is completed and color photographs	Prior to the start of commercial operation	6/2/2020		Not Started		(Ref Only)						SERC	GAL			
353	VIS	VIS-1d	OPS	Surface Treatment Maintenance - See VIS-1a	Project owner shall provide status report regarding surface treatment maintenance in the ACR. The report shall specify a) the condition of the surfaces of all structures and buildings at the end of the reporting year; b) maintenance activities that occurred during the reporting year; and c) the schedule of maintenance activities for the next year	Status Report	Annual Compliance Report	12/31/2020				(Ref Only)						SERC	DSR			

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353	VIS	VIS-4a	PC/CONS	Lighting Management Plan, Project Operation - The project owner shall prepare and implement a comprehensive Lighting Management Plan. The comprehensive Lighting Management Plan shall be submitted to the CPM, and the Planning Director of the city of Stanton for simultaneous review and comment. Any comments on the plan from the city shall be provided to the CPM. The project owner shall not purchase or order any lighting fixtures or apparatus until written approval of the final plan is received from the CPM. Modifications to the Lighting Management Plan are prohibited without the CPM's approval. Consistent with applicable worker safety regulations, the project owner shall design, install, and maintain all permanent exterior lighting such that light sources are not directly visible from areas beyond the project site, glare is avoided, and night lighting impacts are minimized or avoided to the maximum extent feasible. All lighting fixtures shall be selected to achieve high energy efficiency for the facility. (See Decision VIS-4 for specifications).	The project owner shall submit the comprehensive Lighting Management Plan simultaneously to the Planning Director of the city of Stanton for review and comment and the CPM for review and approval. The project owner shall provide the CPM with a copy of the transmittal letters submitted to the city requesting their review of the Lighting Management Plan. The CPM shall deem the Lighting Management Plan acceptable to the city of Stanton if comments are not provided to the CPM within 45 calendar days of receipt of said plan.	Lighting Management Plan and transmittal letters to Planning Director of City of Stanton for review and comment	At least 90 calendar days before ordering any permanent lighting equipment for the project	12/3/2018		Completed		(Ref Only) Submit 6/4/2019		City of Stanton	11/26/18	11/27/18	POWER	GAL			
354	VIS	VIS-4b	PC/CONS	Lighting Management Plan, Project Operation - The project owner shall prepare and implement a comprehensive Lighting Management Plan. The comprehensive Lighting Management Plan shall be submitted to the CPM, and the Planning Director of the city of Stanton for simultaneous review and comment. Any comments on the plan from the city shall be provided to the CPM. The project owner shall not purchase or order any lighting fixtures or apparatus until written approval of the final plan is received from the CPM. Modifications to the Lighting Management Plan are prohibited without the CPM's approval. Consistent with applicable worker safety regulations, the project owner shall design, install, and maintain all permanent exterior lighting such that light sources are not directly visible from areas beyond the project site, glare is avoided, and night lighting impacts are minimized or avoided to the maximum extent feasible. All lighting fixtures shall be selected to achieve high energy efficiency for the facility. (See Decision VIS-4 for specifications).	The project owner shall submit the comprehensive Lighting Management Plan simultaneously to the Planning Director of the city of Stanton for review and comment and the CPM for review and approval. The project owner shall provide the CPM with a copy of the transmittal letters submitted to the city requesting their review of the Lighting Management Plan. The CPM shall deem the Lighting Management Plan acceptable to the city of Stanton if comments are not provided to the CPM within 45 calendar days of receipt of said plan.	Provide CPM with transmittal letter submitted to city and the Lighting Management Plan	At least 90 calendar days before ordering any permanent lighting equipment for the project	12/3/2018	11/26/2018	Completed	11/27/2018	(Ref Only) Submit 6/4/2019					SERC	GAL			
355	VIS	VIS-4c	CONS/COM/OPS	Revised Lighting Plan - See VIS-4a	If the CPM determines that the plan requires revision, the project owner shall provide a plan with the specified revision(s) for review and approval by the CPM. A courtesy copy of the revised plan shall be provided to the Planning Director of the city of Stanton for review and comment and the CPM from review and approval. No work to implement the plan (e.g., purchasing of fixtures) shall begin until final plan approval is received from the CPM.	Revised Lighting Plan	No specific time frame	Conditional		Not started		(Ref Only)					POWER	GAL			
356	VIS	VIS-4d	CONS/COM	Lighting Inspection Ready, Notification - See VIS-4a	The project owner shall notify the CPM that installation of permanent lighting for the project has been completed and that the lighting is ready for inspection.	Notification that lighting is ready for inspection	Prior to the start of commercial operation	6/2/2020		Not Started							SERC	GAL			
357	VIS	VIS-4e	COM/OPS	Changes to Lighting System - See VIS-4a	If the CPM notifies the project owner that modifications to the lighting system are required, within 30 days of receiving that notification, the project owner shall implement all specified changes and notify the CPM that the modified lighting system(s) is ready for inspection.	Changes to the lighting system	30 days after receiving the notification	Conditional		Not Started		(Ref Only)					SERC	GAL			

	A	B	C	D	E	F	G	H	I	J	K	O	P	Q	R	S	T	U
1	Stanton Energy Reliability Center Compliance Matrix (16-AFC-01)											Pre-Construction						
2	All Phases							6/30/2040				Construction						
3												Commissioning						
4				Revised 4/30/2019		Based on Final Staff Assessment						Operations						
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
368	VIS	VIS-4f	COM/OPS	Lighting System Complaint - See VIS-4a	Within 48 hours of receiving a complaint about permanent project lighting, the project owner shall provide to the CPM a copy of the complaint report and resolution form, including a schedule for implementing corrective measures to resolve the complaint	Notice to CPM	Within 48 hours of receiving a complaint permanent project lighting	Conditional		Not started		(Ref Only)					SERC	GAL
369	VIS	VIS-4g	COM/OPS	Status Report in ACR - Lighting System - See VIS-4a	Project owner shall report any complaints about permanent lighting and document their resolution in the ACR, accompanied by copies of completed complaint report and resolution forms for that year. The project owner shall not order any exterior lighting until receiving CPM approval of the lighting mitigation plan	Status Report	Annual Compliance Report	12/31/2020		Not Started		(Ref Only)					SERC	DSR
370	VIS	VIS-4h	COM/OPS	Pre-COD Inspection - Lighting System - See VIS-4a	Prior to COD, project owner shall notify CPM that installation of the lighting has been completed and is ready for inspection.	Notification to CPM	Prior to the start of commercial operation	6/2/2020		Not Started		(Ref Only)					SERC	GAL
371	VIS	VIS-4i	COM/OPS	Pre-COD Inspection - Lighting System - See VIS-4a	If after inspection the CPM notifies the project owner that modifications to the lighting are needed, within 30 days of receiving that notification the project owner shall implement the modifications and notify the CPM that the modifications have been completed and are ready for inspection	Notification to CPM	Within in 30 days of receiving notification	Conditional		Not Started		(Ref Only)					SERC	GAL
372	WASTE	WASTE-10a	CONS/COM	Prior to transportation of soils for disposal at the Olinda Alpha Landfill, the project owner shall obtain approval to dispose of soils at the Olinda Alpha Landfill from Orange County Waste and Recycling.	At least 30 days prior to transportation of soils for disposal to the Olinda Alpha Landfill, the project owner shall submit a Soils Information Form to Orange County Waste and Recycling and the CPM.	Obtain approval letter from Orange County Waste and Recycling	30 days prior to transportation of soils for disposal to Olinda Alpha Landfill	1/19/2019	2/5/2019	Completed	2/12/2019			Orange County Waste and Recycling	2/5/18	2/12/18	SERC	GAL
373	WASTE	WASTE-10b	CONS/COM	Prior to transportation of soils for disposal at the Olinda Alpha Landfill, the project owner shall obtain approval to dispose of soils at the Olinda Alpha Landfill from Orange County Waste and Recycling.	At least 5 days prior to transportation of soils for disposal to the Olinda Alpha Landfill, the project owner shall submit to the	Approval letter/correspondence from Orange County Waste and Recycling	5 days prior to transportation of soils for disposal to Olinda Alpha Landfill	2/13/2019	2/14/2019	Completed	2/22/2019						SERC	GAL
374	WASTE	WASTE-1a	PC	Landfill from Orange County Waste and Recycling.	At least 45 days prior to any earthwork, the project owner shall submit the SMP to the CPM for review and approval.	Soil Management Plan Summary (SMP to be written and provided by NVS)	At least 45 days prior to any earthwork	11/18/2018	10/18/2018	Completed	10/19/2018						JACOBS	GAL
375	WASTE	WASTE-1b	CONS	SMP Summary - See WASTE-1a	An SMP summary shall be submitted to the CPM within 25 days of completion of any earthwork.	Soil Management Plan Summary	Within 25 days of completion of any earthwork	Conditional		Not Started							JACOBS	GAL
376	WASTE	WASTE-2	PC	Professional Engineer/Geologist - Provide the resume of an experienced and qualified Professional Engineer or Professional Geologist, who shall be available for consultation during site characterization (if needed), demolition, excavation and grading activities, to the	At least 30 days prior to the start of site mobilization, submit the resume of the Professional Engineer or Professional Geologist to the CPM for review and	Professional Engineer / Geologist Resume	At least 30 days prior to the start of site mobilization	12/3/2018	11/30/2018	Completed	1/8/2019						JACOBS	GAL

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3												Commissioning						
4												Operations						
				Revised 4/30/2019			Based on Final Staff Assessment											
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
377	WASTE	WASTE-3a	CONS	Final Engineer/Geologist Report - If seemingly contaminated soil is identified during site characterization, demolition, excavation, or grading at either the proposed site or linear facilities (as evidenced by discoloration, odor, detection by handheld instruments, or other signs), the professional engineer or geologist shall inspect the site, determine the need for sampling to confirm the nature and extent of contamination, and provide a written report to the project owner, representatives of Department of Toxic Substances Control, and the CPM stating the	The project owner shall submit any final reports filed by the professional engineer or geologist within five days of their receipt.	Final reports by the engineer or geologist	Within 5 days of receipt	Conditional	6/12/19 (final NVS reports on 2 barrels and notification of barrel removal)	Completed	6/12/2019						JACOBS	GAL
378	WASTE	WASTE-3b	CONS	Construction Halt Notification - See WASTE-3a	The project owner shall notify the CPM within 24 hours of any orders issued to halt construction due to contaminated soil.	Notify the CPM	Within 24 hours of orders to halt construction	Conditional		Not started							SERC	GAL
379	WASTE	WASTE-4a	PC	Construction and Demolition Environmental Resources Management Plan - The project owner shall prepare a Construction and Demolition (C & D) Environmental Resources Management and Recycling Plan for demolition and construction wastes generated and shall submit a copy of the plan to the Orange County's Public Works/Planning Department for review, and to the CPM for review and approval. See Decision WASTE-4 for specifications.	The project owner shall submit the C & D Environmental Resources Management and Recycling Plan to the CPM for review and comment	Construction and Demolition Environmental Resources and Management Plan	30 days prior to the initiation of demolition activities at the site	12/3/2018		Completed				OCPW	11/1/2018	1/28/2019 (Approved by CPM. No Comments were received from OCPW)	JACOBS	GAF
380	WASTE	WASTE-4b	PC	Construction and Demolition Environmental Resources Management Plan - The project owner shall prepare a Construction and Demolition (C & D) Environmental Resources Management and Recycling Plan for demolition and construction wastes generated and shall submit a copy of the plan to the Orange County's Public Works/Planning Department for review, and to the CPM for review and approval. See Decision WASTE-4 for specifications.	The project owner shall submit the C & D Environmental Resources Management and Recycling Plan to the CPM for review and approval.	Construction and Demolition Environmental Resources and Management Plan	30 days prior to the initiation of demolition activities at the site	12/3/2018	11/1/2018	Completed	1/28/2019						JACOBS	GAL
381	WASTE	WASTE-4c	CONS	Waste Volumes Reported in MCR - See WASTE-4a	The project owner shall also document in each monthly compliance report (MCR) the actual volume of wastes generated and the waste management methods used during the year; provide a comparison of the actual waste generation and management methods used to those proposed in the original Construction and Demolition Waste Management Plan; and update the Construction and Demolition Waste Management Plan as necessary to address current waste generation and management practices.	Waste volumes and waste management methods in Monthly Compliance Reports	Monthly	Monthly		In Progress							ARB	GAL
382	WASTE	WASTE-5a	PC/CONS	Asbestos-Containing Materials - Prior to demolition of pipelines, buildings, and associated structures, the project owner shall survey for asbestos-containing material (ACM) and notify the CPM of the results. In the case of a need to remove such material, the project owner shall complete and submit a copy of a South Coast Air Quality Management District Notification of Demolition or Renovation Form to the CPM as related to asbestos and other materials.	Prior to demolition of pipelines, buildings, and associated structures, project owner shall survey for asbestos-containing material (ACM) and notify the CPM of the results	Notify CPM of ACM survey results	Prior to demolition of pipelines, buildings, and associated structures	12/6/2018	2/13/2019	Completed	2/22/2019	Asbestos Survey: 2/13/2019 Garage Demo Plan: 2/20/2019	Asbestos Survey: 2/14/2019 Garage Demo Plan: 2/25/2019				AEC	GAL

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2	All Phases							6/30/2040							Pre-Construction							
3															Construction							
4				Revised 4/30/2019		Based on Final Staff Assessment									Commissioning							
															Operations							
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date														
									Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))			Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO		Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager	
	WASTE	WASTE-8a	COM/DPS	Revised OWMF - See WASTE-8a	The project owner shall submit any required revisions of the Waste Management Plan to the CPM.	Revised Operation Waste Management Plan	Within 20 days of notification from the CPM that revisions are necessary.	Conditional		Not Started										SERC	DSR	
388	WASTE	WASTE-8c	OPS	OWMP Report in ACR - See WASTE-8a	The project owner shall also document in each ACR the actual volume of wastes generated and the waste management methods used during the year; provide a comparison of the actual waste generated and management.	Status Report	Annual Compliance Report	12/31/2020												SERC	DSR	
389	WASTE	WASTE-9	CONS/OPS	Unauthorized Release Response - The project owner shall ensure that all spills or releases of hazardous substances, materials, or waste are reported, cleaned up, and remediated as necessary, in accordance with all applicable federal, state, and local requirements.	The project owner shall document all unauthorized releases and spills of hazardous substances, materials, or wastes that occur on the project property or related pipeline and transmission corridors to the CPM. Information including the location of release; date and time of release; reason for release; volume released; amount of contaminated soil/material generated; how release was managed and material cleaned up; if the release was reported; to whom the release was reported; release corrective action and cleanup requirements placed by regulating agencies; level of cleanup achieved and actions taken to prevent a similar release or spill; and disposition of any hazardous wastes and/or contaminated soils and materials that may have been generated by the release.	Information about unauthorized release or spill	Within 48 hours of the date the release was discovered	3/1/2019 6/14/2019	Completed		3/7/2019 6/18/2019									SERC	GAL	
390	WORKER SAFETY	WORKER SAFETY-1a	PC	Construction H&S Program - Submit to the CPM the Project Construction Safety and Health Program containing the elements listed in this condition (See Decision WORKER SAFETY-1 for specification). The Personal Protective Equipment Program, the Exposure Monitoring Program, and the Injury and Illness Prevention Program shall be submitted to the CPM for review and approval concerning compliance of the program with all applicable safety orders. The Construction Emergency Action Plan and the Fire Prevention Plan shall be submitted to the Orange County Fire Authority for review and comment prior to submittal to the CPM for approval.	The project owner shall submit to the CPM for review and approval a copy of the Project Construction Safety Program w/OCFA Comments CFPP and EAP.	Construction Health & Safety Program w/OCFA Comments CFPP and EAP	At least 30 days prior to start of construction	12/3/2018	12/3/2018 3/11/2020 4/6/2020 4/8/2020	Completed	1/29/2019	1/16/19 3/11/2020	2/4/2019							ARB	GAL	
391																						

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3													Construction					
4													Commissioning					
5													Operations					
6																		
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8																		
9	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
392	WORKER SAFETY	WORKER SAFETY-1b	PC	Construction H&S Program - Submit to the CPM the Project Construction Safety and Health Program containing the elements listed in this condition (See Decision WORKER SAFETY-1 for specification). The Personal Protective Equipment Program, the Exposure Monitoring Program, and the Injury and Illness Prevention Program shall be submitted to the CPM for review and approval concerning compliance of the program with all applicable safety orders. The Construction Emergency Action Plan and the Fire Prevention Plan shall be submitted to the Orange County Fire Authority for review and comment prior to submittal to the CPM for approval.	The project owner shall provide to the CPM a copy of a letter from the Orange County Fire Authority stating the fire department's comments on the Construction Fire Prevention Plan and the Emergency Action Plan.	Construction Health & Safety Program w/OCFA Comments CPFP and EAP	At least 30 days prior to the start of construction	12/3/2018	Original 12/3/2018; Revision 1/17/2019 4/8/2019	Completed	N/A	1/16/19	2/4/2019	OCFA	12/3/2018 4/6/2020	No response	ARB TTSC	GAL TLB
393	WORKER SAFETY	WORKER SAFETY-2a	COM/OPS	Operations H&S Program - The project owner shall submit to the CPM a copy of the Project Operations and Maintenance Safety and Health Program (See Decision WORKER SAFETY-2 for specifications). The Operation Injury and Illness Prevention Plan, Hazardous Materials Management Program, Emergency Action Plan, Fire Prevention Plan, Fire Protection System Impairment Program, and Personal Protective Equipment Program shall be submitted to the CPM for review and approval concerning compliance of the programs with all applicable safety orders. The Fire Prevention Plan, Fire Protection System Impairment Program, and the Emergency Action Plan shall also be submitted to the Orange County Fire Authority for review and comment.	The project owner shall submit to the CPM for approval a copy of the Project Operations and Maintenance Safety and Health Program.	Operations and Maintenance Safety and Health Program w/ comments of OCFA	At least 30 days prior to the start of first-fire or commissioning	3/17/2020	2/9/2020 2/24/2020	Completed	5/4/2020	3/4/2020		OCFA	2/9/2020	20-Feb-20	SERC	DSR
394	WORKER SAFETY	WORKER SAFETY-2b	COM/OPS	Operations H&S Program - The project owner shall submit to the CPM a copy of the Project Operations and Maintenance Safety and Health Program (See Decision WORKER SAFETY-2 for specifications). The Operation Injury and Illness Prevention Plan, Hazardous Materials Management Program, Emergency Action Plan, Fire Prevention Plan, Fire Protection System Impairment Program, and Personal Protective Equipment Program shall be submitted to the CPM for review and approval concerning compliance of the programs with all applicable safety orders. The Fire Prevention Plan, Fire Protection System Impairment Program, and the Emergency Action Plan shall also be submitted to the Orange County Fire Authority for review and comment.	The project owner shall provide a copy to the CPM of a letter from the Orange County Fire Authority stating the fire department's timely comments on the Operations Fire Prevention Plan, Fire Protection System Impairment Program, and Emergency Action Plan.	Operations and Maintenance Safety and Health Program w/ comments of OCFA	At least 30 days prior to the start of first-fire or commissioning	3/17/2020	2/25/2020	Completed	5/4/2020						SERC	DSR
395	WORKER SAFETY	WORKER SAFETY-3a	PC	Construction Safety Supervisor - Provide a site Construction Safety Supervisor (CSS) who is qualified as specified in this condition (See Decision WORKER SAFETY-3 for specifications). The CSS shall perform the duties listed in this condition.	The project owner shall submit to the CPM the name and contact information for the Construction Safety Supervisor (CSS).	CSS Name/Contact	At least 30 days prior to the start of site mobilization	12/3/2018	11/20/2018	Completed	11/21/2018	1/16/2019	1/17/2019 3/16/2020				ARB	GAL
396	WORKER SAFETY	WORKER SAFETY-3b	PC/CONS	Replacement CSS - See WORKERSAFETY-3a	The contact information of any replacement CSS shall be submitted to the CPM within one business day.	Replacement CSS Name/Contact	Within one business day	Conditional		Not started		Conditional					ARB	GAL
397	WORKER SAFETY	WORKER SAFETY-3c	CONS	H&S Information Reported in MCR - See WORKERSAFETY-3a	The CSS shall submit health and safety information in the Monthly Compliance Report (See Decision WORKERSAFETY 3 Verification for specifications)	Health and safety information for MCR	Monthly	Monthly		In Progress		Monthly					ARB	GAL
398	WORKER SAFETY	WORKER SAFETY-4	PC	Agreement to Fund Safety Monitor - The project owner shall make payments to the Delegate Chief Building Official (DCBO) for the services of a Safety Monitor based upon a reasonable fee schedule to be negotiated between the project owner and the DCBO. Those services shall be in addition to other work performed by the DCBO. The Safety Monitor shall be selected from an independent company not affiliated with the DCBO and report directly to the DCBO and will be responsible for verifying that the Construction Safety Supervisor, as required in Condition of Certification WORKER SAFETY-3, implements all appropriate Cal/OSHA and Energy Commission safety requirements. The Safety Monitor shall conduct on-site (including linear facilities) safety inspections at intervals necessary to fulfill those responsibilities.	The project owner shall provide proof of its agreement to fund the Safety Monitor services to the CPM for review and approval.	Proof of Agreement to fund Safety Monitor	At least 60 days prior to the start of construction	11/3/2018	11/1/2018	Completed	1/18/2019	1/25/2019	1/25/2019				SERC	GAL

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5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
407	WORKER SAFETY	WORKER SAFETY-7c	PC/CONS	Fire Protection System Specifications - The project owner shall adhere to all applicable provisions of the latest version of NFPA 850: Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations, as the minimum level of fire protection. The project owner shall interpret and adhere to all applicable NFPA 850 recommended provisions and actions stating "should" as "shall." in any situations where both NFPA 850 and the state or local LORS have application, the more restrictive shall apply.	The project owner shall ensure that the project adheres to all applicable provisions of NFPA 850. The project owner shall provide all fire protection system specifications and drawings to the DCBO for plan check approval and construction inspection.	Fire protection system specifications and drawings to the DCBO	At least 60 days prior to the start of construction of the fire protection system	7/28/2019		In Progress		7-1.0: 2/4/19 7-2.0: 3/29/19 7-3.0: 4/18/19 7-4.0: 4/18/19 7-5.0: 4/18/19 7-6.0: 5/1/19 7-9.0 10/16/19	7-1.0: 5/14/19 7-2.0: 5/15/19 7-3.0: 5/16/19 7-4.0: 7-5.0: 7-6.0: 5/14/19 7-9.0 10/29/19				Power	GAL
408	WORKER SAFETY	WORKER SAFETY-8a	PC/CONS	UL 9540 Certification - The project owner shall ensure that the lithium ion battery energy storage system has UL Standard for Safety for Energy Storage Systems and Equipment, UL 9540 certification. The project owner shall submit the certification along with the fire protection drawings and specifications for the ESS to the Orange County Fire Authority for review and comment and to the CPM for review and approval. The project owner shall also collaborate with the Orange County Fire Authority to assist the development of standard operating procedures for first responders to implement when confronting a fire occurring within the lithium ion ESS located on site.	The project owner shall provide UL 9540 design certification for the ESS or a copy of the contract with UL (or authorized UL agent) to perform a field certification during construction of the ESS to obtain UL 9540 certification to the CPM	Copy of UL 9540 design certification for the ESS, or copy of the contract with UL to perform field certification during construction of the ESS to obtain UL 0540 certification to the CPM.	At least 60 days prior to the start of construction of BESS	10/3/2019	11/1/2018	Completed	11/13/2018						SERC	GAL
409	WORKER SAFETY	WORKER SAFETY-8a.1	PC	UL 9540 Certification - The project owner shall ensure that the lithium ion battery energy storage system has UL Standard for Safety for Energy Storage Systems and Equipment, UL 9540 certification. The project owner shall submit the certification along with the fire protection drawings and specifications for the ESS to the Orange County Fire Authority for review and comment and to the CPM for review and approval. The project owner shall also collaborate with the Orange County Fire Authority to assist the development of standard operating procedures for first responders to implement when confronting a fire occurring within the lithium ion ESS located on site.	The project owner shall provide UL 9540 design certification for the ESS or a copy of the contract with UL (or authorized UL agent) to perform a field certification during construction of the ESS to obtain UL 9540 certification to the CPM	Copy of UL 9540 design certification for the ESS, or copy of the contract with UL to perform field certification during construction of the ESS to obtain UL 0540 certification to the CBO.	At least 60 days prior to the start of construction of BESS	1/9/2020		Completed		(Ref Only) 10/14/2019					SERC	GAL
410	WORKER SAFETY	WORKER SAFETY-8b	PC	UL 9540 Certification - The project owner shall ensure that the lithium ion battery energy storage system has UL Standard for Safety for Energy Storage Systems and Equipment, UL 9540 certification. The project owner shall submit the certification along with the fire protection drawings and specifications for the ESS to the Orange County Fire Authority for review and comment and to the CPM for review and approval. The project owner shall also collaborate with the Orange County Fire Authority to assist the development of standard operating procedures for first responders to implement when confronting a fire occurring within the lithium ion ESS located on site.	The project owner shall provide the complete ESS fire protection drawings and specifications to the OCFA for review and comment.	The project owner shall provide the complete ESS fire protection drawings and specifications to the OCFA for review and comment.	At least 60 days prior to the start of construction of the BESS	10/3/2019		Not started				OCFA			SERC	GAL
411	WORKER SAFETY	WORKER SAFETY-8b.1	PC/CONS	UL 9540 Certification - The project owner shall ensure that the lithium ion battery energy storage system has UL Standard for Safety for Energy Storage Systems and Equipment, UL 9540 certification. The project owner shall submit the certification along with the fire protection drawings and specifications for the ESS to the Orange County Fire Authority for review and comment and to the CPM for review and approval. The project owner shall also collaborate with the Orange County Fire Authority to assist the development of standard operating procedures for first responders to implement when confronting a fire occurring within the lithium ion ESS located on site.	The project owner shall provide the complete ESS fire protection drawings and specifications to the CPM for review and approval.	The project owner shall provide the complete ESS fire protection drawings and specifications to the CPM for review and approval.	At least 60 days prior to the start of construction of the BESS	10/3/2019	5/21/2020	In Progress							SERC	GAL
412	WORKER SAFETY	WORKER SAFETY-8b.2	PC/CONS	UL 9540 Certification - The project owner shall ensure that the lithium ion battery energy storage system has UL Standard for Safety for Energy Storage Systems and Equipment, UL 9540 certification. The project owner shall submit the certification along with the fire protection drawings and specifications for the ESS to the Orange County Fire Authority for review and comment and to the CPM for review and approval. The project owner shall also collaborate with the Orange County Fire Authority to assist the development of standard operating procedures for first responders to implement when confronting a fire occurring within the lithium ion ESS located on site.	The project owner shall provide the complete ESS fire protection drawings and specifications to the CBO for reference only.	UL 9540 certification and drawings and specifications for the ESS to the CBO.	At least 60 days prior to the start of construction of the BESS	10/3/2019		Not Started		(Ref only)					SERC	GAL

	A	B	C	D	E	F	G	H	I	J	K	O	P	Q	R	S	T	U
1	Stanton Energy Reliability Center Compliance Matrix (16-AFC-01)											Pre-Construction						
2	All Phases							6/30/2040				Construction						
3												Commissioning						
4												Operations						
5																		
	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date))	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
413	WORKER SAFETY	WORKER SAFETY-8c.1	PC/CONS	UL 9540 Certification - The project owner shall ensure that the lithium ion battery energy storage system has UL Standard for Safety for Energy Storage Systems and Equipment, UL 9540 certification. The project owner shall submit the certification along with the fire protection drawings and specifications for the ESS to the Orange County Fire Authority for review and comment and to the CPM for review and approval. The project owner shall also collaborate with the Orange County Fire Authority to assist the development of standard operating procedures for first responders to implement when confronting a fire occurring within the lithium ion ESS located on site.	The project owner shall submit a copy of letter from UL stating that the design drawings for the ESS have been reviewed and meet UL 9540 requirements for performing a field certification to the CPM	Letter from UL to CPM	At least 60 days prior to the start of construction of the BESS	10/3/2019		In Progress							SERC	GAL
414	WORKER SAFETY	WORKER SAFETY-8c.2	PC/CONS	UL 9540 Certification - The project owner shall ensure that the lithium ion battery energy storage system has UL Standard for Safety for Energy Storage Systems and Equipment, UL 9540 certification. The project owner shall submit the certification along with the fire protection drawings and specifications for the ESS to the Orange County Fire Authority for review and comment and to the CPM for review and approval. The project owner shall also collaborate with the Orange County Fire Authority to assist the development of standard operating procedures for first responders to implement when confronting a fire occurring within the lithium ion ESS located on site.	The project owner shall submit a copy of letter from UL stating that the design drawings for the ESS have been reviewed and meet UL 9540 requirements for performing a field certification to the CBO	Letter from UL to CBO	At least 60 days prior to the start of construction of the BESS	11/1/2019		Not Started		(Ref only)			UL		SERC	GAL
415	WORKER SAFETY	WORKER SAFETY-8e	CONS	Letter to OCFA - See WORKERSAFETY-8a	The project owner shall provide a copy of a letter sent from the project owner to the OCFA offering collaboration and assistance in developing standard operating procedures for first responders to deal with any lithium ion battery fires occurring at the project site.	Copy of letter to OCFA offering to develop procedures for first responders to any lithium ion battery fires that may occur at the project site, to CPM for review and approval.	At least 60 days prior to commissioning of BESS	1/30/2020	5/28/2020	In Progress							SERC	GAL
416	WORKER SAFETY	WORKER SAFETY-8e.1	CONS	Letter to OCFA - See WORKERSAFETY-8a	The project owner shall provide a copy of a letter sent from the project owner to the OCFA offering collaboration and assistance in developing standard operating procedures for first responders to deal with any lithium ion battery fires occurring at the project site to the CBO for reference only.	Copy of letter to OCFA offering to develop procedures for first responders to any lithium ion battery fires that may occur at the project site, to CBO for reference only.	At least 60 days prior to commissioning of BESS	1/30/2020				(Ref only)		OCFA	1/9/20		SERC	GAL
417	WORKER SAFETY	WORKER SAFETY-8f	CONS	Final UL Certification of ESS - See WORKERSAFETY-8a	The project owner shall provide a copy of the final completed UL 9540 certification of the ESS to the CPM	Final UL Certification of ESS to CPM.	Prior to the start of BESS commissioning	4/14/2020		Not Started							SERC	GAL
418	WORKER SAFETY	WORKER SAFETY-8f.1	CONS	Final UL Certification of ESS - See WORKERSAFETY-8a	The project owner shall provide a copy of the final completed UL 9540 certification of the ESS to the CBO.	Final UL Certification of ESS to CBO for reference only.	Prior to the start of BESS commissioning	4/14/2020				(Ref only)					SERC	GAL
										Not started								

Attachment 3 – Air Quality

Subject **Stanton Energy Reliability Center (16-AFC-1C)**
Air Quality Monthly Compliance Report
May 2020

Project Name Stanton Energy Reliability Center (SERC) (16-AFC-1C)

Attention Tim Bofman, SERC, LLC

From Hong Zhuang, Jacobs
SERC CEC Designated Air Quality Construction Mitigation Manager

Date June 6, 2020

Copies to Mike Malsy, Wellhead
John Kimble, Wellhead
Sharon Stureman, SERC, LLC
Doug Davy, Jacobs
Karen Parker, Jacobs

This Monthly Compliance Report (MCR) summarizes the activities conducted at the Stanton Energy Reliability Center (SERC site) in May 2020 to demonstrate compliance with California Energy Commission Conditions of Certification (COCs) for air quality AQ-SC3, AQ-SC4, and AQ-SC5. The required documentation for these COCs is provided in the sections below. There were no construction activities at the Southern California Edison's SERC 66KV Interconnection Project site (SCE site) in May 2020.

AQ-SC3 Construction Fugitive Dust Control

AQ-SC3 requires control measures to mitigate fugitive dust created by project construction activities. AQ-SC3 also requires that the MCR include the following:

- A summary of all actions taken to maintain compliance with this condition (including sweeping log entries)
- Copies of any complaints filed with the South Coast Air Quality Management District (SCAQMD or District)
- Any other documentation deemed necessary by the Compliance Project Manager (CPM), District, or Air Quality Construction Mitigation Manager (AQCM) to verify compliance with this condition. Such information may be provided in electronic format or on disk media at the project owner's discretion

Fugitive dust was controlled primarily by maintaining vehicle speeds of 10 miles per hour or less on unpaved areas and applying water during soil disturbing activities. Signs have been posted at entrances to the construction site, limiting vehicle speeds to 10 miles per hour. To verify compliance with AQ-SC3, a fugitive dust control checklist was completed each day at each site. The daily field checklists for fugitive dust control and the sweeping logs are provided in Attachment A and are summarized in Table 1 below.

Table 1. Fugitive Dust Control Measures

AQ-SC3

Implementation Measure	Out of Compliance-Trigger	In Compliance-Trigger ^a	Results During Compliance Period
All main access roads onsite are paved or stabilized	No – Dust plumes originating from access roads	Yes – No dust plumes originating from access roads	Yes – In compliance
All unpaved roads of the construction site are watered as frequently as necessary to prevent dust plume	No – Dust plumes originating from unpaved roads	Yes – No dust plumes originating from unpaved roads	Yes – In compliance
All disturbed areas of the construction site are watered as frequently as necessary to prevent dust plume	No – Dust plumes originating from disturbed areas	Yes – No dust plumes originating from disturbed areas	Yes – In compliance
Maximum speed limit of 10 miles per hour on unpaved surfaces	No – Vehicles exceeding 10 miles per hour on unpaved areas	Yes – vehicles travel 10 miles per hour or less on unpaved areas	Yes – In compliance
Visible speed limit signs posted at construction site entrances	No – No signs posted	Yes – Signs posted	Yes – In compliance. Ten miles per hour speed limit is posted.
Wheel inspection or wash stations in place	No – Track-out into roadways not managed	Yes – No track-out observed or track-outs were cleaned up immediately.	Yes – In compliance. Tire cleaning to be conducted if needed.
At least 20-foot-long gravel ramps at wheel inspection / wash stations	No – 20-foot-long gravel ramps not present	Yes – 20-foot-long gravel ramps present	Not applicable (NA) – Shaker plates installed. Gravel ramps are installed as needed.
All unpaved exits are graveled or treated	No – Dirt entering roadways	Yes – No dirt entering roadways	Yes – In compliance. Shaker plates were installed at the unpaved exit. Gravel ramp is added.
Entrance limited to treated roadways	No – Entrance not limited	Yes – Entrance limited	Yes – In compliance
Storm Water Pollution Prevention Plan (SWPPP) control measures implemented	No – Contaminated storm water runoff found in roadways	Yes – No contaminated storm water runoff found in roadways	Yes – In compliance. Best Management Practices (BMPs) are installed.
Paved roads within the site swept as needed	No – Dirt / debris accumulated	Yes – Site clean	Yes – In compliance
At least 500 feet of any paved roadway exiting site swept as needed	No – visible dirt within 500 feet of roadway entrance	Yes – No dirt observed	Yes – In compliance
Soil storage piles and disturbed areas inactive for more than 10 days are covered or treated	No – Dust plumes originating from storage piles and disturbed areas	Yes – No dust plumes from storage piles and disturbed areas	Yes – In compliance
Bulk material transport offsite is covered or treated and loaded with at least two feet of freeboard	No – Visible emissions from bulk material transport	Yes – No visible emissions from bulk material transport	Yes – In compliance
Wind erosion control techniques used for disturbed, unstabilized construction areas	No – Visible dust from disturbed, unstabilized construction Areas	Yes – No visible dust from disturbed, unstabilized construction areas	Yes – In compliance. Wind breaks installed as needed

^aSite is noted as in compliance if the activity did not occur during the compliance period.

AQ-SC4 Dust Plume Response Requirement

AQ-SC4 requires that all construction activities be monitored for visible dust plumes. This condition also requires that additional dust mitigation measures be implemented if visible dust plumes that

have the potential to be transported off the project site and within 100 feet upwind of any regularly occupied structure are observed. AQ-SC4 requires that the MCR include the following:

- A summary of all actions taken to maintain compliance with this condition
- Copies of any complaints filed with the District in relation to project construction; and any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk media at the project owner's discretion.

Visible dust plumes with the potential to be transported offsite were not observed in May 2020 at the two construction sites. No air quality-related complaints were received during this reporting period.

AQ-SC5 Diesel-Fueled Engine Control

AQ-SC5 requires that all off-road diesel construction equipment used on the project be powered by the cleanest engines available that also comply with California Air Resources Board's (CARB) Regulation for In-Use Off-Road Diesel Fleets. AQ-SC5 requires that the MCR include the following:

- A summary of all actions taken to control diesel construction related emissions
- A list of all heavy equipment used on site during that month, including the owner of the equipment and a letter from each owner indicating that the equipment has been properly maintained
- Any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk media at the project owner's discretion.

The following off-road diesel equipment was used at the SERC sites in May 2020 and tagged to indicate compliance with AQ-SC5:

Manufacturer	Equipment Name	EIN
Bobcat	Skidsteer/Loader S630	WX6G44
Case	Skiploader 570NXT	GX6H54
CAT	259D Skid Steer loader	JX4T34
CAT	Skidsteer/Loader Cat 232	ML7P96
Deere	210I Skip Loader	WK9J63
Grove	RT890E Crane	TV8Y87
Hyster	H210HD 21K Forklift	RD6V74
JLG	6042 T4F 6K Reach Forklift	HN6U33
JLG	1255 Rough Terrain Forklift	EY7H78
JLG	JLG 8042	RX6V57
JLG	G518A 5K Forklift	TW9K96
John Deere	Back Hoe 410L	DC9G67
TADANO	Crane GR900XL	DH9V66
Volvo	Roller SD115D	GJ8M45
Xtreme	XR1255 Forklift	VC6G63

Attachment B provides a table summarizing information about the engines, including the CARB Engine Identification Number (EIN), tier, and the dates the equipment was used at the project site. Attachment B also contains the AQ-SC5 daily field checklists for off-road diesel engines

used at site and letters from the equipment owners indicating the equipment has been properly maintained.

Attachment A
Documentation of AQ-SC3 Compliance
(SERC Site)

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:42:25
+07'00'

Date: 05/01/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy
 AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.06 12:10:24
+07'00'
 Date: 05/02/2020

Form: SERC-CAQ-001

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:44:11
+07'00'

Date: 05/04/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:44:57
+07'00'

Date: 05/05/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:45:47
+07'00'

Date: 05/06/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:46:45
+07'00'

Date: 05/07/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:47:36
+07'00'

Date: 05/08/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:48:33
+07'00'

Date: 05/09/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:49:37
+07'00'

Date: 05/11/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:50:23
+0700

Date: 05/12/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:51:14
+07'00'

Date: 05/13/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:51:55
+07'00'

Date: 05/14/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:52:43
+07'00'

Date: 05/15/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:53:24
+07'00'

Date: 05/16/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:54:56
+07'00'

Date: 05/18/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:55:41
+07'00'

Date: 05/19/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.21 08:55:13
+0700

Date: 05/20/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:33:26
+07'00'

Date: 05/21/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:34:03
+07'00'

Date: 05/22/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:36:13
+07'00'

Date: 05/23/2020

Form: SERC-CAQ-001

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:37:28
+07'00'

Date: 05/26/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:38:05
+07'00'

Date: 05/27/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:38:36
+07'00'

Date: 05/28/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:39:05
+07'00'

Date: 05/29/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-001

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:39:44
+07'00'

Date: 05/30/2020

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are all unpaved roads and disturbed areas watered as frequently as necessary?	Y	
Are speed limit signs posted at the main entrances?	Y	
Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station?	Y	
Are construction equipment vehicle tires inspected and washed as necessary before entering paved road?	Y	
Are unpaved exits graveled or treated to prevent track-out?	Y	
Are equipment and vehicles using designated onsite roads?	Y	
Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept as needed?*	Y	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	Y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with dust suppressant compounds?	Y	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	Y	
Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed?	Y	
Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet beyond the centerline of the construction of linear facilities, or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner? If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form SERC-CAQ-003).	N	

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Month/Year		Sweeping Area (Check if swept)			Operator Signature	Comments
Date	Time	Onsite	Pacific	Fern		
May 2020						
05/01	9:00/4:45	✓	✓	✓	Gabriel Espinoza	
05/02	9:45/5:00	✓	✓	✓	Gabriel Espinoza	
05/03						off site
05/04	2:30-4:30	✓	✓	✓	Gabriel Espinoza	Street Sweeper ordered
05/05	10:30/5:00	✓	✓	✓	Gabriel Espinoza	
05/06	10:10/3:50	✓	✓	✓	Gabriel Espinoza	
05/07	2:30/4:30	✓	✓	✓		Street Sweeper ordered
05/08	08/2:30/4:30	✓	✓	✓		Street Sweeper ordered
05/09	10:15/2:00	✓	✓	✓	Gabriel Espinoza	
05/10						off site
05/11	2:30/4:30	✓	✓	✓		Street Sweeper ordered
05/12	9:45/4:00	✓	✓	✓	Gabriel Espinoza	
05/13	10:30/4:15	✓	✓	✓	Gabriel Espinoza	
05/14	2:30/4:30	✓	✓	✓		Street Sweeper ordered
05/15	10:00/3:00	✓	✓	✓	Gabriel Espinoza	
05/16	9:00/4:30	✓	✓	✓	Gabriel Espinoza	
05/17	10:00/3:00					off site
05/18	1:00/4:00	✓	✓	✓	Gabriel Espinoza	
05/19	11:30/3:30	✓	✓	✓	Gabriel Espinoza	
05/20	9:30/4:00	✓	✓	✓	Gabriel Espinoza	

[illegible]

Appendix B
Documentation of AQ-SC5 Compliance
(SERC Site)

SERC Offroad Diesel Equipment Inventory May 2020

				Equipment						Engine										
<u>Date Arrived</u>	<u>Date Removed</u>	<u>CARB ID 6 digit (EIN)</u>	<u>SERC ID</u>	<u>Manufacturer</u>	<u>Model/Description</u>	<u>Model Year</u>	<u>Serial Number</u>	<u>Owner</u>	<u>Renter</u>	<u>Manufacturer</u>	<u>Engine Family</u>	<u>Engine Model</u>	<u>Displacement (L)</u>	<u>Model Year</u>	<u>Serial Number</u>	<u>Diesel (hp)</u>	<u>Tier</u>	<u>Engine Certification on File</u>	<u>Compliance Tag</u>	<u>Notes</u>
2/4/2019	5/1/2020	VC6G63	SERC_001	Xtreme	XR1255 Forklift	2016	XR1255031693102	ARB	N/A	FPT Industrial S.P.A	FFPXK03.4FSD	854E-E34TA	3.4	2015	JU82679-L025417	122	T4	u-r-015-0283	Green tag issued 02/04/2019	
2/20/2019	3/21/2019	NA	SERC_002	Multiquip	DCA70SSIU4F - Generator	2015	NA	United Rentals	ARB	Isuzu	JCEXL04.5AAJ	BR-4JJ1x	2.9	2015	74402993	95.2	T4	NA	Green tag issued 02/19/2019	EO not available. Tier 4 verified based in engine specs.
2/20/2019	10/2/2019	BX3T54	SERC_003	CASE	580 SN - BackHoe	2014	JJ6N585NLECT05659	D+S BACKHOE SERVICE	N/A	FPT INDUSTRIAL	FFPX034DD	FSHFL4ADD	207 CU IN	2014	215914	97	T4	u-r-015-0283	Green tag issued 02/19/2019	
		WC8Y33	SERC_004	Komatsu	PC490LC-11 Excavator	2016	A41491	Lalonde	Ortiz	Komatsu	GKXL11.0DDC	SAA6D125E-7	11	2016	861305	362	T4	u-r-005-0424	Green tag issued 02/19/2019	
2/20/2019	4/25/2019	UG9N98	SERC_005	CAT	Cat 966M wheel loader	2014	KJP000570	Ortiz	Ortiz	CAT	ECPYL09.3HTF	C9.3	9.3	2014	SYE01292	303	4F	u-r-001-0479	Green tag issued 02/27/2019	
2/20/2019	5/20/2019	YSSA98	SERC_006	CAT	565 - 84" roller	2014	L8H00587	Ortiz	Ortiz	CAT	DPKXL04.4M1	C4.4	NA	2013	C7N11131	156.9	4I	NA	Green tag issued 02/27/2019	on EPA NRCI data https://www.epa.gov/compliance-and-
2/25/2019	3/8/2019	YV7D79	SERC_007	Volvo	ECR2353I - Excavator	2017	310653	Lalonde	Ortiz	Deutz	GDZXL05.7053	D6J	5.702	2016	11974476	173	4	u-r-013-0523	Green tag issued 02/27/2019	
		AC5T48	SERC_008	Deere	710K - Backhoe	2015	1T0710KXEFE280027	Ortiz	Ortiz	John Deere Power Systems	EJDXL06.8210	6068HT079	NA	2014	PE6068R101462	130	4I	u-r-004-0487	Green tag issued 02/27/2019	
2/27/2019	5/6/2019	DL9A58	SERC_009	Link-Belt	490X4	2017	LBX490Q7NGHEX1139	Lalonde	Ortiz	Isuzu Motors Limited	GSZXL09.8QXA	6U21	NA	2016	527667	362	4	u-r-006-0421	Green tag issued 02/27/2019	
2/26/2019	3/1/2019	SK8574	SERC_010	CAT	450F - Backhoe	2016	HJR00594	Lalonde	Ortiz	Perkins Engine Company	EPKXL04.4MK1	C4.4	4.4	2014	C7N36796	127	4	u-r-022-0191	Green tag issued 02/27/2019	
2/27/2019	5/20/2019	JG9B74	SERC_011	John Deere	210L Skip Loader	2017	1T8210LXPHF894289	Ortiz	Ortiz	John Deere	HJDXL04.5315	404HT096	4.5	2017	PE4045U052929	93	4F	u-r-004-0537	Green tag issued 02/27/2019	
3/6/2019	3/19/2019	SF7A56	SERC_012	CAT	Rough Terrain Forklift	2012	KDE00312	ARB	ARB	Perkins Engine Company	CPKXL04.4MK1	C4.4	4.4	2012	44800893	125	4I	u-r-022-0176-1	Green Tag issued on 3/7/2019	
3/12/2019	3/18/2019	RG5N99	SERC_013	CAT	966K Wheel Loader	2011	TF500270	Ortiz	Ortiz	CAT	BCPXL09.3HPA	C9.3	9.3	2011	MME03431	274	4I	u-r-001-0409	Green Tag issued on 3/15/2019	
3/20/2019	3/25/2019	YI4K66	SERC_014	JLG	Forklift - 54'	2014	160057617	Sunstate	ARB	Cummins	DCEXL04.5AAE	QSB\$.5	4.5	2014	73617640	130	4I	u-r-002-0586	Green Tag issued on 3/22/2019	will only be on site for a few days while SERC ID: SERC_012 is offsite for repairs
3/21/2019	8/30/2019	KT3V94	SERC_015	Genie	Forklift - Varialbe Reach	2014	BR2596	United Rentals	Newtron	Deutz	EDZXL02.9020	TD2.9L4	2.9	2014	11731188	74	4	u-r-013-0472-1	Green Tag issued on 3/22/2019	
3/22/2019	11/10/2019	SF7A56	SERC_016	CAT	Rough Terrain Forklift	2012	KDE00312	ARB	ARB	Perkins Engine Company	CPKXL04.4MK1	C4.4	4.4	2012	44800893	125	4I	u-r-022-0176-1	Green Tag issued on 3/22/2019	Formerly SERC_012 (was removed on 3/19 for repairs and returned on 3/22)
3/28/2019	4/25/2019	LG4L96	SERC_017	Genie	Aerial Lift	2001	50845	United Rentals	Newtron	Deutz AG	DDZXL02.9021	D2.9L4	2.925	2014	11511469	49	T4	u-r-013-0443	Green Tag Issued on 4/1/2019	
4/5/2019	12/11/2019	JW5N58	SERC_018	Genie	5K Reach Fork	2015	10366180	United Rentals	Newtron	Deutz AG	FDZXL02.9020	TD2.9L4	2.9	2015	h	74	4	u-r-013-0496	Green Tag issued on 4/11/2019	
4/10/2019	4/23/2019	BG8T73	SERC_019	John Deere	JD650JLTDozer	2009	T0650JX172684	Savala Equipment Rentals	Ortiz	John Deere	8JDXL06.8105	4045HT057		2008	PE4045L068083	115	3	u-r-004-0313	Yellow Tag issued on 4/11/2019	
4/26/2019	5/15/2019	BS9V43	SERC_020	John Deere	JD550K XLT Dozer	2015	1T0550KXHEE273832	Savala Equipment Rentals	Ortiz	John Deere	FJDXL04.5211	4045 HT070 A,B,C,D	4.5	2015	R534172-B	85	4	u-r-004-0499	Green Tag issued on 4/30/2019	
5/8/2019	5/22/2019	WW5G33	SERC_021	Bobcat	T 590 Skid Steer	2017	ALJU23845	United Rentals	ARB	Doosan	HDICL02.4LEA	D24NAP	2.392	2017	D24NAP7105046LE	66	4	u-r-019-0145	Green Tag Issued 5/14/2019	
5/14/2019	5/20/2019	DF9E37	SERC_022	Case	721G Wheel Loader	2017	NGF240121	United Rentals	Ortiz	Fiat Power Train	GFPXL06.7SDB	F4HFE613TB	4.5/6.7	2016	1444310	145	4F	u-r-015-0322	Green Tag Issued 5/14/2019	
5/22/2019	9/23/2019	NG3U86	SERC_023	CAT	259D Skid Steer Loader	2018	FTL14586	ARB	ARB	Kubota	HKBXL03.3EKD	C#.3B	3.3	2017	8HQ0121	73.2	4	u-r-025-0733	Green Tag Issued 5/24/2019	
6/18/2019	5/15/2020	WK9J63	SERC_024	Deere	210I Skip Loader	2016	1T8210ELLGJ893464	ARB	N/A	John Deere Power Systems	FJDXL04.5212	4045HT072	4.52	2016	PE4045R108158	70	4	ARB EO not available. Verified using EPA data.	Green tag issued 06/19/2019	
7/9/2019	8/7/2019	TF6J89	SERC_025	Extreme Manufacturing	XR2045 Forklift	2018	XR2045-11-17119380	Ellis	ARB	Deutz AG	HDZXL03.6050	TCD3.6L4	3.621	2017	12076911	134	4	u-r-013-0536	Green tag issued 7/16/2019	
7/22/2019	7/26/2019	TP8N95	SERC_026	Case	580 Super N Back Hoe	2014	JJGN585NKEC705265	Tom's Back Hoe	ARB	FPT	FFPX L03.4ADD	FSHFL413C*A	3.4	2014	000189488	97	4	u-r-015-0259-1	Green Tag Issued 7/26/2019	Removed from on date green tag was issued.
8/7/2019	12/27/2019	VT6H48	SERC_027	Xtreme Manufacturing	XR2045 Forklift	2018	XR2045-11-18039329	Ellis	ARB	Deutz AG	HDZXL03.6060	TCD 3.6 L4	3.621	2017	12103041	134	4	u-r-013-0536	Green Tag Issued 8/13/2019	
8/14/2019	8/27/2019	RS6W99	SERC_28	Cummins	6K Reach Forklift	2014	10362305	United Rentals	Newtron	Cummins	ECEXL06.7AAH	QSB3.s	6.7	2014	68619362	129	4I	u-r-002-0006-1	Blue Tag Issued 8/14/2019	Removed from Site 8/27/2019. Green tag not issued
8/27/2019	12/11/2019	RV7M68	SERC_29	JCB	507-42	2016	2435467	United Rentals	Newtron	JCB Power Systems	GJCBL04.4TA5	444TA4-55L1	4.4	2016	SL320/40925U0865716	74	4	u-r-049-0042	Green Tag Issued 9/5/2019	
8/28/2019	12/17/2019	LR7P73	SERC_30	JLG	60' Boom Lift	2018	10755669	United Rentals	Newtron	Deutz Corp	JDZXL02.9020	TD 2.9 L4	2.9	2018	12147294	67	4	u-r-013-0553	Green Tag Issued 9/5/2019	
9/2/2019	11/21/2019	TX5P83	SERC_31	Manitowoc	Manitowoc 999	2002	9991103	Maxim Crane Works	ARB	Cummins	2CEXL0661AAF	QSM11	11	2008	35055789	350	2	u-r-002-0144	Green Tag Issued 9/5/2019	Tier relief requested. CEC received notification from Hong Zhuang (AQCOMM) on 9/3/2019.
9/10/2019	5/1/2020	HN6U33	SERC_032	JLG	6042 T4F 6K Reach Forklift	2016	160073851	United Rentals	Newtron	Cummns	FCEXL03.8AAA	QSF3.8	3.8	2015	89276073	89	4	U-R-002-0620	Green Tag Issued 9/12/2019	
9/13/2019	9/18/2019	166565	SERC_033	Catapillar	XQ200 Generator	2014	CAT00C71KMRP00571	Quinn Power	MSTS	Catapillar	DPKXL7.01BL1	C7.1	7.01	2014	E7800723		4		Blue Tag Issued 9/13/2019	Removed from site 9/18/2019. Green tag not issued
9/16/2019	10/25/2019	WP9E86	SERC_034	JLG	660SJ Manlift	2015	300206993	Sunstate	ARB	Deutz	FDZXL02.9020	TD2.9L4	2.925	2015	11777630	67	4	u-r-013-0496	Green tag issued 9/20/2019	
9/23/2019	1/31/2020	XG7V58	SERC_035	Grove	GRT880 Crane	2017	235778	ARB	ARB	Cummins	GCEXL06.7AAK	QSB6.7	6.7	2016	74026109	275	4	u-r-002-0639	Green Tag Issued 10/01/2019	
10/8/2019	2/24/2020	NL7M56	SERC_036	JLG	600AJ Articulating Boom Lift	2014	10281594	United Rentals	ARB	DEUTZ	EDZXL02.9020	TD2.9L4	2.19	2014	11598545	67	4	U-R-013-0472	Green Tag Issued 10/22/2019	
10/25/2019	11/4/2019	SG9H76	SERC_037	JLG	860SJ 85' Boom lift	2017	300233300	Sunstate Rentals	ARB	Deutz	HDZXL02.9020	TD2.94L	2.925	2017	12033372	67	4	u-r-013-0527	Green Tag Issued 10/31/2019	
11/4/2019	4/28/2020	DA7T55	SERC_038	CAT	308E2 Excavator	2014	FXJ01664	ARB	ARB	Kubota	EKBXL03.3EKD	C3.3B	3.3	2014	8EE2909	65	4	u-r-025-0614	Green Tag issued 11/21/2019	

SERC Offroad Diesel Equipment Inventory May 2020

				Equipment						Engine										
<u>Date Arrived</u>	<u>Date Removed</u>	<u>CARB ID 6 digit (EIN)</u>	<u>SERC ID</u>	<u>Manufacturer</u>	<u>Model/Description</u>	<u>Model Year</u>	<u>Serial Number</u>	<u>Owner</u>	<u>Renter</u>	<u>Manufacturer</u>	<u>Engine Family</u>	<u>Engine Model</u>	<u>Displacement (L)</u>	<u>Model Year</u>	<u>Serial Number</u>	<u>Diesel (hp)</u>	<u>Tier</u>	<u>Engine Certification on File</u>	<u>Compliance Tag</u>	<u>Notes</u>
11/4/2019	3/5/2020	XM8N56	SERC_039	JLG	Boom Lift	2016	300216443	SunState	ARB	DeutZ	GDZXL02.9020	TD2.9L4	2.92	2016	11867769	67	4	u-r-013-0506	Green Tag issued 11/21/2019	
11/19/2019	12/2/2019	JX4T34	SERC_040	CAT	259D Skid Steer loader	2019	FTL20141	Quinn Heavy Rents	ARB	Kubota	JBXL03.3EKD	C3.3B	3.33	2018	8JQ3031	73	4	u-r-025-0786	Green Tag issued 11/21/2019	
11/20/2019	2/21/2020	SX6J96	SERC_041	JLG	800AJ Boom Lift	2018	10790746	United Rentals	ARB	Deutz	JDZXL02.9020	TD2.94L4	2.9	2018	12165591	67	4	u-r-013-0553	Green Tag issued 11/21/2019	Transfer Renter from Newtron to ARB on 1/28/2020. Eqpt remain on site.
11/21/2019	1/14/2020	JI6V59	SERC_042	JLG Boom Lift	660SJ Boom Lift	2018	300246305	Sunstate	ARB	Deutz	JDZXL02.9020	TD2.9L4	2.92	2018	12163940	67	4	u-r-013-0553	Green Tag issued 11/21/2019	
12/2/2019	12/20/2019	TP8N95	SERC_043	Case	580 Super N Back Hoe	2014	JJGN58SNKEC705265	Tom's Back Hoe	ARB	FPT	EFPX L03.4ADD	F5HFL413C*A	3.4	2014	000189488	97	4	u-r-015-0259-1	Green Tag issued 12/5/12019	Formerly SERC_026
12/9/2019	12/12/2019	BJ8F34	SERC_044	Bob cat	Bobcat S630 Skid Steer Loaded	2017	AHGL13302	Sunstate	Alcorn Fence	Doosan	GDICL2.4LEA	D24	2.94	2017	6087495	74	4	u-r-019-0141	Green tag not issued	Equipment left in 4 days.
12/11/2019	12/17/2019	JI7G69	SERC_045	JCB	509-42 Rough Terrain Forklift	2015	10423918	United Rentals	Newtron	JCB Power Systems	EJCBL04.4TA9	444 TA4-81 L1A	4.4	2014	40983U3460614	109	4I	U-R-049-0036	Green Tag issued 12/17/2019	
12/11/2019	4/10/2020	XS3Y34	SERC_046	JCB	509-42 Rough Terrain Forklift	2014	10265927	United Rentals	Newtron	JCB Power Systems	EJCBL04.4TA9	444 TA4I-81L1	4.4	2014	SH320/40532U0619714	109	4I	U-R-049-0036	Green Tag issued 12/17/2019	
12/12/2019	5/4/2020	JX4T34	SERC_047	CAT	259D Skid Steer loader	2019	FTL20141	Quinn Heavy Rents	ARB	Kubota	JBXL03.3EKD	C3.3B	3.33	2018	8JQ3031	73	4	u-r-025-0786	Green Tag issued 12/17/2019	Formerly SERC_040
12/13/2019	1/29/2020	DC5H96	SERC_048	JLG	G10-55A 55' Forklift	2017	160079607	Sunbelt Rentals	Alcorn Fence	Cummins	GCEXL03.8AAA	QSF3.8	3.8	2016	89880083	130	4	U-R-002-0640-1	Green Tag issued 12/17/2019	
12/17/2019	3/11/2020	EK5E78	SERC_049	JLG	1255	2017	10613792	United Rentals	Newtron	Cummins	HCEXL03.8AAA	QSF3.8	3.8	2017	89919032	130	4	U-R-002-0645	Green Tag issued 12/23/2019	
12/27/2019	5/22/2020	EY7H78	SERC_050	JLG	1255 Rough Terrain Forklift	2018	0160084318	ARB	ARB	Cummins	HCEXL03.8AAA	QSF3.8	3.8	2017	89962974	130	4	u-r-002-0645	Green Tag issued 01/06/2020	
12/30/2019	1/29/2020	BJ8F34	SERC_051	Bobcat	Bobcat S630 Skid Steer Loader	2017	AHGL13302	Sunstate Rentals	Alcorn Fence	Doosan	GDICL2.4LEA	D24	2.94	2016	6087495	74	4	u-r-019-0141	Green Tag issued 01/06/2020	
12/31/2019	1/9/2020	VX6X86	SERC_052	Genie	GTH-55195K Reach Fork	2015	10429013	United Rentals	Newtron	Deutz	FDZXL02.9020	TD2.9L4	2.9	2015	11780111	74	4	u-r-013-0496	Green Tag issued 01/06/2020	
1/8/2020	3/3/2020	184549	SERC_053	Cummins	A054C907 Portable Generator	2019	F190589172	United Rentals	ARB	Cummins	KCEXL08.9AAL	QSL9-G9	8.9	2019	74510962	323	4	u-r-002-0697	Green Tag issued 01/15/2020	
3/16/2020	not used	FR8E44	SERC_054	Hitachi	Excavator ZX210LC-5N	2014		PCI	PCI	Isuzu Motors Limited	DSZXL05.2MXA	AM-4HK1X	5.2	2013	4HK1-708365	174	4I	u-r-006-0376	Green tag not issued. Equipment not used	Contractor demobilized on 3/20/20. Equipment not used.
3/30/2020	4/17/202	RX4E83	SERC_055	GEHL	Forklift 42' 8k RS8-42	2013	RS842JE0417351	Sunstate Rentals	TTSC	John Deere	DJDXL04.5211	4045HFC920	4.5	2013	PE4045R028188	115.3	4I	U-R-004-0471	Green Tag issued 04/03/2020	
3/30/2020	5/26/2020	DC9G67	SERC_056	John Deere	Back Hoe 410L	2016	1T0410LGAXF294681	Boer	Boer	John Deere	GJDXL04.5305	4045HT082	4.5	2016	PE4045	113	4	U-R-004-0514	Green Tag issued 04/03/2020	
3/30/2020	4/16/2020	XL6K76	SERC_057	John Deere	Excavator 345LC-6	2020	1FF345GXPKF020536	LaLonde	Boer	Isuzu Motors Limited	KSZXL07.8QXA	AQ-6HK1X	7.79	2019	1ZU6HK1934634	197	4	U-R-006-0471	Green Tag issued 04/03/2020	
4/2/2020	4/15/2020	MS8H44	SERC_058	Volvo	SD115B Roller	2016	1011402	LaLonde	Boer	Deutz AG	GDZXL04.1054	DJ4	4.038	2016	11890136	148	4	U-R-013-0512	Green Tag issued 04/03/2020	
4/13/2020	4/21/2020	RD6V74	SERC_059	Hyster	H210HD 21K Forklift	2017	NA	Pape	TTSC	CUMMINS	GCEXL04.5AAH	QS84.5 160	4.5	2016	22211239	160	4	U-R-002-0629	Green Tag Issued 4/15/2020	
4/17/2020	Onsite	RX6V57	SERC_060	JLG	JLG 8042	2013	0160050533	Sunstate	TTSC	Cummins	CCEXL03.3ADA	QS83.3	3.3	2012	68603511	71	4	U-R-002-0583	Green tag issued 4/25/2020	
4/22/2020	4/24/2020	PM5V39	SERC_061	Volvo	Roller DD120C	2020	VCED120CAOS288151	LaLonde	Boer	Deutz AG	JDZXL04.1054	D4J	4.038	2018	12306227	148	4	U-R-013-0548-1	Green tag not issued. Equipment left in 2 days	
4/22/2020	5/26/2020	GX6H54	SERC_062	Case	Skiploader 570NXT	2013	JJGN570NTDC593026	Boer	Boer	FPT Industrial S.P.A.	DFPXL03.4ADD	570NXT	3.4	2013	131485	63	4	U-R-015-0252	Green tag issued 4/25/2020	
4/24/2020	5/6/2020	GI8M45	SERC_063	Volvo	Roller SD115D	2020	VCE5115BLOS236666	LaLonde	Boer	Deutz AG	KDZXL04.1054	D4J	4.038	2019	12439114	148	4	U-R-013-0580	Green tag issued 4/28/2020	
4/29/2020	4/29/2020	NE8T75	SERC_064	Bobcat	Bobcat S550	2017	AHGM12938	Sunbelt Rentals	Granitex	Doosan Infracore CO LTD	GDICL02.4LEA	D24NAP	2.392	2016	AHGM12938	61	4	U-R-019-0141	n tag not issued. Equipment left same day	
5/1/2020	Onsite	TW9K96	SERC_065	JLG	G518A 5K Forklift	2018	160086948	Sunstate	TTSC	Deutz AG	HDZXL02.9020	TD2.9L4	2.925	2017	12134505	74	4	U-R-013-0527	Green Tag issued 5/4/2020	
5/1/2020	5/7/2020	TV8Y87	SERC_066	Grove	RT890E Crane	2015	235214	Reliable Construction Services, LLC	Madd Steel	Cummins	FCEXL06.7AAK	QSB6.7I	6.7	2015	73861978	164	4F	U-R-002-0617	Green tag issued 5/4/2020	
5/7/2020	5/26/2020	RD6V74	SERC_067	Hyster	H210HD 21K Forklift	2017	NA	Pape	TTSC	CUMMINS	GCEXL04.5AAH	QS84.5 160	4.5	2016	22211239	160	4	U-R-002-0629	Green tag issued 5/7/2020	
5/18/2020	Onsite	DH9V66	SERC_068	TADANO	Crane GR900XL	2017	549689	Mr Crane	Mr Crane	Cummins	GCEXL06.7AAK	QSB6.7	6.7	2016	26648765	270	4	U-R-002-0639	Green tag issued 6/1/2020	
5/22/2020	Onsite	WX6G44	SERC_069	Bobcat	Skidsteer/Loader S630	2016		United Rentals	TTSC	Doosan Daewoo	GDICL02.4LEA	D24NAP	2.4	2016	6069633L03	74	4	U-R-019-0141	Green tag issued 6/1/2020	
5/27/2020	Onsite	ML7P96	SERC_070	CAT	Skidsteer/Loader Cat 232	2015	58366-21	Cole Equipment Co	Alcorn Fence	CAT	FH3XL2.22TDI	C2.2	2.216	2015	C8200247	67	4	EPA Certified	Green tag issued 6/1/2020	

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 12:59:33 -0700

Date: 05/01/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	Y	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	Y	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:00:20 -0700

Date: 05/02/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:02:17 -0700

Date: 05/04/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	Y	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:04:01 -0700

Date: 05/05/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:05:00 -0700

Date: 05/06/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	Y	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:05:40 -0700

Date: 05/07/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	Y	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	Y	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:06:21 -0700

Date: 05/08/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:07:31 -0700

Date: 05/09/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:08:29 -0700

Date: 05/11/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:09:08 -0700

Date: 05/12/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:10:17 -0700

Date: 05/13/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:11:01 -0700

Date: 05/14/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:11:39 -0700

Date: 05/15/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:12:54 -0700

Date: 05/16/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:13:47 -0700

Date: 05/18/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	Y	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.20 13:14:37 -0700

Date: 05/19/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.05.21 08:54:27 -0700

Date: 05/20/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:25:31 -0700

Date: 05/21/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:26:12 -0700

Date: 05/22/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	Y	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	Y	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:26:48 -0700

Date: 05/23/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:28:16 -0700

Date: 05/26/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	Y	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:28:49 -0700

Date: 05/27/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	Y	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:29:20 -0700

Date: 05/28/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:30:15 -0700

Date: 05/29/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project
(16-AFC-01C)

AQCMM or Delegate name: Mike Malsy

Form: SERC-CAQ-003

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy
Date: 2020.06.04 21:31:51 -0700

Date: 05/30/2020

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are AQCMM equipment tags visible for diesel off-road engines greater than 50 hp operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:



June 1, 2020

W Power, LLC – Stanton Energy Reliability Center
10711 Dale Avenue
Stanton, Ca 90680

Attn: Tim Bofman
Project Compliance


RE: Maintenance and Inspection of Equipment

Dear Mr. Bofman:

This letter confirms that ARB performs daily inspections and required maintenance at the regularly scheduled intervals for the previous month for all on-site equipment. See attached *AQCMP Equipment Log* for ARB equipment currently on-site.

Date Arrived	Date Removed	CARB ID 6 digit (EIN)	SERC ID	Manufacturer	Model/Description	Model Year	Serial Number	Owner	Renter
2/4/2019	5/1/2020	VC6G63	SERC_001	Xtreme	XR1255 Forklift	2016	XR1255031693102	ARB	ARB
6/18/2019	5/15/2020	WK9J63	SERC_024	Deere	210I Skip Loader	2016	1T8210ELLGJ893464	ARB	ARB
12/12/2019	5/4/2020	JX4T34	SERC_047	CAT	259D Skid Steer loader	2019	FTL20141	Quinn Heavy Rents	ARB
12/27/2019	5/22/2020	EY7H78	SERC_050	JLG	1255 Rough Terrain Forklift	2018	0160084318	ARB	ARB

Respectfully,



for STEVE FISCHER

Steven Fischer
ARB, Inc.
Project Manager

BOER BACKHOE, INC.

7128 E. Parkcrest St., Long Beach, CA 90808
(562)420-9844 Fax: (562)425-6221
CA Lic. #622360

May 27, 2020

W Power, LLC-Stanton Energy Reliability Center
10711 Dale Avenue
Stanton, CA 90680

Attn: Tim Bofman
Project Compliance

RE: Maintenance and Inspection of Equipment

Dear Mr. Bofman:

This letter confirms that Boer Backhoe, Inc. performs daily inspections and required maintenance at the regularly scheduled intervals for the month of May, for all on-site equipment.
See the attached Equipment Log for Boer Backhoe equipment currently on-site.

Respectfully,

A handwritten signature in blue ink that reads "Sherry L. Boer". The signature is written in a cursive, flowing style.

Sherry L. Boer
President

BOER BACKHOE, INC.

EIN	SERC ID	VEH. Manufacturer	MODEL YEAR	MODEL/DESCRIPTION	ENG TIER
DC9G67	SERC-56	JOHN DEERE	2016	410L TRACTORS/LOADERS/BACKHOES	T4F
GX6H54	SERC-62	CASE	2013	570NXT SKIPLOADER	T4
GJ8M45	SERC-63	VOLVO	2020	SD115D ROLLER	T4



Reliable Crane Service
7582 S. Las Vegas Blvd Ste. 527
Las Vegas, NV 89123
702 269-7066 Office
800 507-2366 Fax

May 30, 2020

Mr. Tim Bofman
W Power, LLC – SERC Battery Energy Storage System (BESS)
8230 Pacific Avenue
Stanton, CA 90680

Subject: Monthly Inspection and Maintenance of Equipment

Dear Mr. Bofman;

We are confirming that for the previous month 05/2020, Reliable performed inspections and maintenance at the required regularly scheduled intervals.

<u>EIN Number</u>	<u>SERC ID</u>	<u>Manufacturer</u>	<u>Model/Description</u>	<u>Year</u>
TV8Y87	N/A	GROVE	RT890E	2015

If you have any questions, please contact me at 702-370-2730

Sincerely,

Thomas Preston
Operations Manager





June 1, 2020

W Power, LLC – Stanton Energy Reliability Center
10711 Dale Avenue
Stanton, Ca 90680

Attn: Tim Bofman
Project Compliance

RE: Maintenance and Inspection of Equipment

Dear Mr. Bofman:

This letter confirms that Newtron performs daily inspections and required maintenance at the regularly scheduled intervals for the previous month for all on-site equipment. See attached *AQCMP Equipment Log* for Newtron equipment currently on-site.

<u>CARB ID 6 digit (EIN)</u>	<u>SERC ID</u>	<u>Manufacturer</u>	<u>Model/Description</u>	<u>Model Year</u>
HN6U33	SERC_032	JLG	6042 T4F 6K Reach Forklift	2016

Respectfully,

A handwritten signature in blue ink, appearing to read 'Louie Lozoya', is written over a horizontal line.

Louie Lozoya
Newtron LLC
General Superintendent



May 2020

Mr. Tim Bofman
W Power, LLC – SERC Battery Energy Storage System (BESS)
8230 Pacific Avenue
Stanton, CA 90680

Subject: Monthly Inspection and Maintenance of Equipment

Dear Mr. Bofman:

We are confirming that for the previous month 05/2020, TTSC performs inspections and maintenance at the required regularly scheduled intervals. See the attached AQCMP Equipment Log.

<u>EIN Number</u>	<u>SERC ID</u>	<u>Manufacturer</u>	<u>Model / Description</u>	<u>Year</u>
WX6G44	N/A	Bobcat	Bobcat S630	2016
TW9K96	N/A	JLG	G518A	2017
RX6V57	Serc 60	JLG	JLG-8042	2013
RD6V74	Serc 59	Hyster	H210HD	2017

If you have any questions, please contact me at 209-333-7788 ext. 12.

Sincerely,

Nathen Howard
Construction Manager



ALCORN FENCE COMPANY

9901 GLENOAKS BLVD., SUN VALLEY, CA 91353-1249
TELEPHONE (323) 875-1342 FAX (818) 768-9719

May 27, 2020

Mr. Tim Bofman
W Power, LLC – SERC Battery Energy Storage System (BESS)
8230 Pacific Avenue
Stanton, CA 90680

Subject: Monthly Inspection and Maintenance of Equipment

Dear Mr. Bofman:

We are confirming that for the previous month 05/2020 for skid steer 58366-21, Cole Equipment, Inc. performs inspections and maintenance at the required regularly scheduled intervals. Intervals include, but are not limited to, rental return check-in, 500 hour service, and a rental check-out.

58366-21, EIN: ML7P96, CAT 232, Tier 4, 2015

If there are further questions, please feel free to contact us at 951-367-0220.

Thank you,

Ashley Mosiman
Outside Rental Representative
Cole Equipment, Inc.

Monthly Inspection and Maintenance of Equipment

647 N. Hariton Street
Orange, CA. 92868
(714) 633-2100 Phone (714) 633-6901 Fax

TTS Construction

Mr. Cranes unit TC-110 (Liebherr LTM1080) AT-501 (LTM1400) & RT90-007 (GR900XL) is maintained as per manufactures recommendations. Mr. Crane has a Maintenance Program to maintain the equipment as required per manufactures. This is just to notify you that these units for the month of May has been maintained as per manufacture.

Service complete as per Manufacture - 250hr-500hr-1000hr Service
Annual Exp.
Quad Exp.
Periodic Insp.

<u>Unit Number</u>	<u>SERC ID</u>	<u>Manufacture</u>	<u>Model / Description</u>	<u>Year</u>	<u>EIN Number</u>
RT90-007	N/A	Tadano	GR900XL	2017	DH9V66

If you have any questions, please feel free to contact me at 714-981-0160 freddie@mrcrane.com

Sincerely,

Freddie Gomez
Operations & Service Manager

Freddie Gomez 4/08

Attachment 4 –Biological Resources

2600 Michelson Drive, Suite 500
Irvine, CA 92612
United States
www.jacobs.com

Subject Stanton Energy Reliability Center (16-AFC-1)
Biological Resources Monthly Compliance Report
May 2020

To: Tim Bofman, SERC, LLC

From: Ava Edens, Jacobs
 SERC CEC Designated Biologist

Date: June 8, 2020

Copies: Sharon Stureman, SERC, LLC
 Doug Davy, Jacobs
 Karen Parker, Jacobs

1. Introduction

This May 2020 Monthly Compliance Report (MCR) summarizes biological resources monitoring activities conducted and documentation prepared from May 1 through May 31, 2020 for the Stanton Energy Reliability Center (SERC) (16-AFC-1C). The MCR is in accordance with the current (October 2018) Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP). The following biological resources California Energy Commission (CEC) License Conditions of Certification (COCs) pertaining to monitoring activities covered by this MCR include, but are not limited to:

- BIO-2: Designated Biologist Duties
- BIO-5: Worker Environmental Awareness Program (WEAP)
- BIO-6: Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP)
- BIO-7: General Impact Avoidance Mitigation Measures
- BIO-8: Pre-construction Nest Surveys and Impact Avoidance and Minimization Measures for Breeding Birds

2. Monitoring Summary

This section summarizes biological monitoring activities conducted during the May 2020 reporting period. Construction started at the SERC site (located at 10711 Dale Avenue, Stanton, Orange County, California) on February 19, 2019 after the Energy Commission issued the Notice to Proceed.

During the May 2020 reporting period biological monitoring was conducted on the SERC site five times per week (except for the Memorial Day holiday). Active Nest Notifications are provided in Appendix A.

Daily Biological Resources Compliance Monitoring Logs are provided in Appendix B. A list of wildlife species observed during the monitoring events are included in Appendix C.

2.1 Activities Monitored

SERC construction activities were monitored daily from May 1 through May 31, 2020 (Monday-Friday, except for the Memorial Day holiday). Locations monitored included the SERC site (western and eastern parcels), Southern California Edison Laydown Yards (western and eastern), and construction laydown, parking, and staging areas on portions of 10680 Fern Avenue and 8322-A Standustrial Street.

Construction activities at the SERC site included ongoing infrastructure work and construction on the natural gas pipeline. Construction began on the Battery Energy Storage System (BESS) on March 30, 2020. The Post-Certification Change for the construction laydown, parking, and staging areas on portions of 10680 Fern Avenue and 8322-A Standustrial Street was docketed on April 22, 2020 by the CEC.

2.2 Nesting Birds

The following is a summary of bird nests protected under the Migratory Bird Treaty Act (MBTA) that were active during the May 2020 reporting period on the SERC site:

- A house finch (*Haemorhous mexicanus*) nest was identified on April 10, 2020 during a nest survey at 10680 Fern Avenue, Stanton. The nest was located at approximately 33.8070995 latitude and -117.9879882 longitude. The nest was located in the northwest corner of the proposed "Parcel B Warehouse," on the underside of the warehouse awning. The biological monitor observed that the nest successfully fledged. The nest was determined to be no longer active on May 15, 2020.
- A mourning dove (*Zenaida macroura*) nest was identified on April 12, 2020 in the eastern SERC parcel. The nest was located at approximately 33.8067461 latitude and -117.9852721 longitude. The nest was on a beam ledge under the southeast corner of the air compressor awning between Units 1 and 2, approximately 10 feet above the ground. An egg was found broken on the ground below the nest on May 6, 2020 (see Section 2.4 and Appendix D). This nest was active through the end of the May 2020 reporting period.
- A mourning dove (*Zenaida macroura*) nest was identified on April 22, 2020 during a nest survey at 10680 Fern Avenue, Stanton. The nest was located at approximately 33.8073184 latitude and -117.9881956 longitude. The nest was located north of Parcel B on the underside of the warehouse awning. The biological monitor observed that the nest successfully fledged. The nest was determined to be no longer active on May 21, 2020.
- A mourning dove (*Zenaida macroura*) nest was identified on April 27, 2020 in the eastern SERC parcel. The nest was located at approximately 33.806427 latitude and -117.9865712 longitude. The nest was on an overhead wire rack, approximately 20 feet above the ground. The rack is located at the intersection of the two access roads on the eastern parcel and contains energized high voltage lines. The biological monitor observed that the nest successfully fledged. The nest was determined to be no longer active on May 21, 2020.
- A mourning dove (*Zenaida macroura*) nest was identified on May 5, 2020 in the eastern SERC parcel. The nest was located at approximately 33.8069070 latitude and -117.9848149 longitude. The nest was in a trash dumpster enclosure near the Dale Avenue entrance. After a week of

inactivity, the nest was determined to be no longer active on May 27, 2020 and two eggs were removed (see Section 2.4 and Appendix D).

- A mourning dove (*Zenaida macroura*) nest was identified on May 18, 2020 in the eastern SERC parcel. The nest was located at approximately 33.80684896 latitude and -117.98636900 longitude. The nest was on an overhead wire rack, approximately 20 feet above the ground. The rack is located at the intersection of the two access roads on the eastern parcel and contains energized high voltage lines. This nest was active through the end of the May 2020 reporting period.
- A mourning dove (*Zenaida macroura*) nest was identified on May 27, 2020 in the western SERC parcel. The nest was located at approximately 33.80674033 latitude and -117.98714119 longitude. The nest was under the awning on the northeast corner of the RO system, approximately 12 feet above the ground. This nest was active through the end of the May 2020 reporting period.

Active Nest Notifications are provided in Appendix A. Nesting behaviors and inactive or non-protected (non-native) nests observed during monitoring are described in further detail in the Biological Resources Compliance Monitoring Logs (Appendix B) and in the Wildlife Observations Forms (Appendix D).

2.3 Special-Status Species

No special status species were observed during the May 2020 reporting period. A list of wildlife species observed during monitoring is included in Appendix C.

2.4 Wildlife Injuries and Mortalities

No injured wildlife species were observed within the SERC boundary or survey area; however, damaged/abandoned bird eggs were observed during the May reporting period. The following is a summary of this month:

- One mourning dove (*Zenaida macroura*) egg was found broken on the ground with a visible embryo on May 6, 2020 on the eastern SERC parcel. It was found below the nest located at approximately 33.8067461 latitude and -117.9852721 longitude. The nest continued to be active after the broken egg was found.
- Two mourning dove (*Zenaida macroura*) eggs were considered abandoned on May 27, 2020 on the eastern SERC parcel after a week of inactivity at the nest. The eggs were in the nest located at approximately 33.8069070 latitude and -117.9848149 longitude.

Wildlife Observations Forms for observations during the May 2020 reporting period are provided in Appendix D.

2.5 Hazardous Material Spills

No hazardous material spills occurred at the project site during the May 2020 reporting period.

2.6 Non-Compliance Report

No formal non-compliance notifications or incident reports were issued during the May 2020 reporting period.

3. WEAP Training

On-site staff received WEAP training prior to starting work on site. A total of 86 persons completed the SERC WEAP training in May 2020. The hardcopy sign-in training logs for the monthly reporting period are included in Appendix E.

Appendix A

Active Nest Notifications

From: [Heiser, John@Energy](mailto:Heiser_John@Energy)
To: [Edens, Ava/SCO](mailto:Edens_Ava@SCO); [Valand, Andrew@Wildlife](mailto:Valand_Andrew@Wildlife); Christine_Medak@fws.gov
Cc: [Tim Bofman](mailto:Tim_Bofman); [Mike Malsy](mailto:Mike_Malsy); [Parker, Karen/SAC](mailto:Parker_Karen@SAC); [Davy, Doug/SAC](mailto:Davy_Doug@SAC)
Subject: [EXTERNAL] RE: Active Nest Notification for the Stanton Energy Reliability Center (16-AFC-1)
Date: Thursday, May 7, 2020 9:06:17 AM

Good morning Ava, thank you for sending in the observation form and photos. Have forwarded to CEC staff for review.

Cheers!

John

From: Edens, Ava/SCO <Ava.Edens@jacobs.com>
Sent: Wednesday, May 06, 2020 5:43 PM
To: Heiser, John@Energy <john.heiser@energy.ca.gov>; Valand, Andrew@Wildlife <Andrew.Valand@wildlife.ca.gov>; Christine_Medak@fws.gov
Cc: Tim Bofman <tbofman@wellhead.com>; Mike Malsy <mmalsy@wellhead.com>; Parker, Karen/SAC <Karen.Parker@jacobs.com>; Davy, Doug/SAC <Doug.Davy@jacobs.com>
Subject: Active Nest Notification for the Stanton Energy Reliability Center (16-AFC-1)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear John,

An active mourning dove (*Zenaida macroura*) nest was identified on the eastern parcel of the Stanton Energy Reliability Center (SERC) yesterday, May 5, 2020. The nest is located at approximately 33.8069070 latitude and -117.9848149 longitude. The nest is in a trash dumpster enclosure near the Dale Avenue entrance.

A no-disturbance buffer zone has been established around the trash dumpster enclosure, which has one open side. The buffer takes into consideration existing visual barriers and allows for continued use of the Dale Avenue entrance to the site. The buffer excludes entry into the trash enclosure and extends approximately 5 feet out from the front and sides of the enclosure. See attached photographs in the Wildlife Observation Form and photographs taken today by the biological monitor.

Per Condition of Certification BIO-8, the nest will be monitored by the on-site biological monitor for any signs of distress while the nest is active. If signs of disturbance or distress are observed adaptive measures to reduce disturbance shall be implemented immediately.

Please let me know if you have any questions or concerns.

Thank you,
Ava

Ava Edens | Jacobs | SERC Designated Biologist | 949.404.2046 desk | 949.466.5178 mobile |
Ava.Edens@jacobs.com | www.jacobs.com

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Stanton Energy Reliability Center (SERC) Wildlife Observation Form

To be filled out by personnel who find active nest sites, wildlife dens, dead and/or injured wildlife, or other biological resources during daily construction activities. If nesting birds, dead and/or injured wildlife have been identified, please contact Ava Edens/Designated Biologist (DB) at (949) 466-5178 or ava.edens@jacobs.com. In the event the DB cannot be reached, please contact the Biological Monitor. After you have contacted the DB or Biological Monitor, please complete this "Wildlife Observation Form".

Date and Time	Observer	Observer's Employer
5/5/2020 2:50 p.m.	Mike Malsy	Wellhead
Location of Observation (include time spotted and coordinates if possible)		
Trash dumpster enclosure		
Wildlife Species Name	Condition of Wildlife (alive/dead, size, age, weight, etc.)	
Dove	Alive	
Cause of Injury or Mortality and time of death (If unknown, enter "unknown")		
N/A		
Current Location of Animal		
Bird in nest with egg.		
Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?		
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
If Yes, Explain		
Unknown impact based on observation.		
Additional Comments		
<p>CBO originally identified bird in the trash dumpster enclosure. Bird left the nest and picture was taken. There was no egg found in the nest. The picture was e-mailed to Ava Edens for permission to remove nesting material.</p> <p>Permission was given to remove the material. Nesting material removed by Wellhead on 5/4/2020.</p> <p>Bird returned overnight , built nest, and laid an egg in the same location. Barricade was set up to allow both access to the site and protection of the bird.</p>		

Photo 1

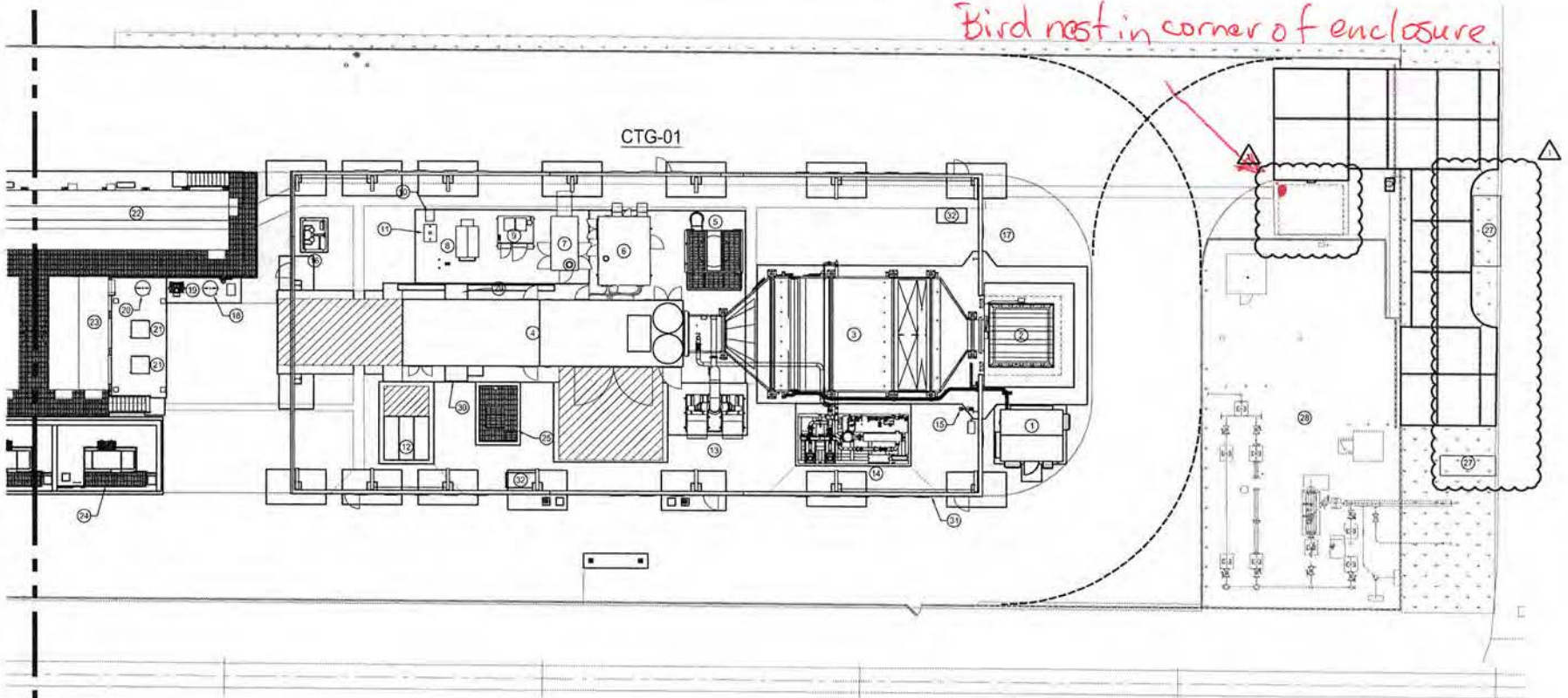


Location	Trash Enclosure	Description	Enclosure cordoned off for protection of bird
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Photo 2

Location		Description	
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PLANT NORTH



KEYNOTES:

- | | | | | |
|---------------------------------------|--|---|-------------------------------------|---|
| 1 CTG-01 CEMS ENCLOSURE | 8 CTG-01 CO, FIRE PROTECTION SKID | 15 CTG-01 EYEWASH/SHOWER STATION | 22 POWER DISTRIBUTION MODULE | 29 CTG-01 NEUTRAL SIDE CUBICLE/NEUTRAL GROUNDING XFMR |
| 2 CTG-01 EXHAUST STACK | 9 CTG-01 FOGGING SKID | 16 CTG-01 FUEL GAS COALESCING FILTER SKID | 23 CONTROL MODULE | 30 CTG-01 LINE SIDE CUBICLE |
| 3 CTG-01 EMISSIONS REDUCTION UNIT | 10 CTG-01 FOGGING DRAIN TRANSFER PUMP | 17 FUEL GAS EMERGENCY SHUT-DOWN VALVE | 24 480V AUXILIARY TRANSFORMER | 31 POWER BLOCK WALL |
| 4 CTG-01 COMBUSTION TURBINE GENERATOR | 11 CTG-01 FOGGING DRAIN TANK | 18 INSTRUMENT AIR RECEIVER | 25 CTG-01 OILY WATER WASTE TANK | 32 PORTABLE HAZARDOUS MATERIAL STORAGE |
| 5 CTG-01 FIN FAN LUBE OIL COOLER | 12 CTG-01 13.8KV SWITCHGEAR | 19 DESICCANT AIR DRYER | 26 NOT USED | |
| 6 CTG-01 AUXILIARY SKID | 13 CTG-01 ERU PURGE/TEMPERING AIR BLOWER | 20 COMPRESSED AIR RECEIVER | 27 MAIN POTABLE BACKFLOW PREVENTERS | |
| 7 CTG-01 WATER INJECTION SKID | 14 CTG-01 AMMONIA INJECTION SKID | 21 AIR COMPRESSOR A/B | 28 SuCal GAS MSA YARD | |

**PARCEL 1
GENERAL ARRANGEMENT**
SCALE: 3/32" = 1'-0"

Digitally signed
by Jason P.
Miller
Reason: For
Reference Only
Date: 2020.03.20
07:26:01 -07'00'



BRADLEY SCOTT CARVER, MECHANICAL, PE #10100
10711 DALE AVE
STANTON, ORANGE CO., CA 92688

GA01-101.DWG

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INTER-DISCIPLINE REVIEW										DRN	CLP	01-24-2018			
DATE	12-13-2018	CIVIL	ELECT	M&C	MECH	STRUCT	1	ISSUED FOR CONSTRUCTION	02-28-2020	LPW	BSC	CJS	JKB		
INT	WHR	CMS			BSC	SPC	0	ISSUED FOR CONSTRUCTION	12-17-2018	DCA	BSC	CJS	JKB		
REVISIONS										DATE	DRN	DSGN	CKD	APPD	10/1/2024 DWG ONLY


STANTON ENERGY RELIABILITY CENTER	JOB NUMBER	REV
OVERALL SITE	149388	
PARCEL 1	DRAWING NUMBER	
GENERAL ARRANGEMENT	GA01-101	

Photo 1



Location	SERC – Eastern Parcel	Description	Location of new active mourning dove nest (MOD0 #3) in the northwest corner of the trash enclosure at the Dale Avenue entrance of the East parcel, facing northwest. An adult was sitting on the nest in incubation position and a second adult was perched nearby.
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Photo 2



Location	SERC – Eastern Parcel	Description	No-disturbance buffer established around the new active mourning dove nest (Nest #3), facing south. The size and shape of the buffer accommodates/utilizes the surrounding infrastructure and accounts for the existing visual buffers around the nest.
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From: [Heiser, John@Energy](mailto:Heiser,John@Energy)
To: [Tim Bofman](#); [Edens, Ava/SCO](#)
Subject: [EXTERNAL] SERC Recent Bio - 8 bird nest notification
Date: Friday, May 8, 2020 6:49:38 AM

Good morning Tim and Ava, CEC Bio staff approved the recent morning dove bird nest notification.

Cheers!

John

From: [Heiser, John@Energy](mailto:Heiser_John@Energy)
To: [Edens, Ava/SCO](mailto:Edens_Ava@SCO); [Valand, Andrew@Wildlife](mailto:Valand_Andrew@Wildlife); Christine_Medak@fws.gov
Cc: [Tim Bofman](mailto:Tim_Bofman); [Mike Malsy](mailto:Mike_Malsy); [Parker, Karen/SAC](mailto:Parker_Karen@SAC); [Davy, Doug/SAC](mailto:Davy_Doug@SAC); [Taylor, Tia@Energy](mailto:Taylor_Tia@Energy)
Subject: [EXTERNAL] Re: Active Nest Notification for the Stanton Energy Reliability Center (16-AFC-1)
Date: Tuesday, May 19, 2020 4:27:04 PM

Hello Ava, Bio staff approved the bird nesting notification dated 05/18/20.

Thank you.

John

From: Edens, Ava/SCO <Ava.Edens@jacobs.com>
Sent: Tuesday, May 19, 2020 7:20 AM
To: Heiser, John@Energy <john.heiser@energy.ca.gov>; Valand, Andrew@Wildlife <Andrew.Valand@wildlife.ca.gov>; Christine_Medak@fws.gov <Christine_Medak@fws.gov>
Cc: Tim Bofman <tbofman@wellhead.com>; Mike Malsy <mmalsy@wellhead.com>; Parker, Karen/SAC <Karen.Parker@jacobs.com>; Davy, Doug/SAC <Doug.Davy@jacobs.com>
Subject: Active Nest Notification for the Stanton Energy Reliability Center (16-AFC-1)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear John,

A mourning dove (*Zenaida macroura*) nest was identified in the eastern parcel of the Stanton Energy Reliability Center (SERC) yesterday, May 18, 2020 and is presumed active. The nest is located at approximately 33.80684896 latitude and -117.98636900 longitude. The nest is on an overhead wire rack, approximately 20 feet above the ground, similar to the mourning dove nest identified on April 27, 2020. The rack is located at the intersection of the two access roads on the eastern parcel and contains energized high voltage lines.

Existing visual barriers present at the nest site make the nest difficult to see except for from the base of the rack. The nest could not be accessed to confirm the presence of eggs but is presumed active. Regular project traffic occurs daily on the adjacent access roads to the north and east of the nest, however no construction activities are anticipated at the nest location. A no-disturbance buffer zone has been established around the four vertical posts at the base of the rack with flagging and signage. See attached photographs.

Per Condition of Certification BIO-8, the nest will be monitored by the on-site biological monitor for any signs of distress while the nest is active. If signs of disturbance or distress are observed adaptive measures to reduce disturbance shall be implemented immediately.

Please let me know if you have any questions or concerns.

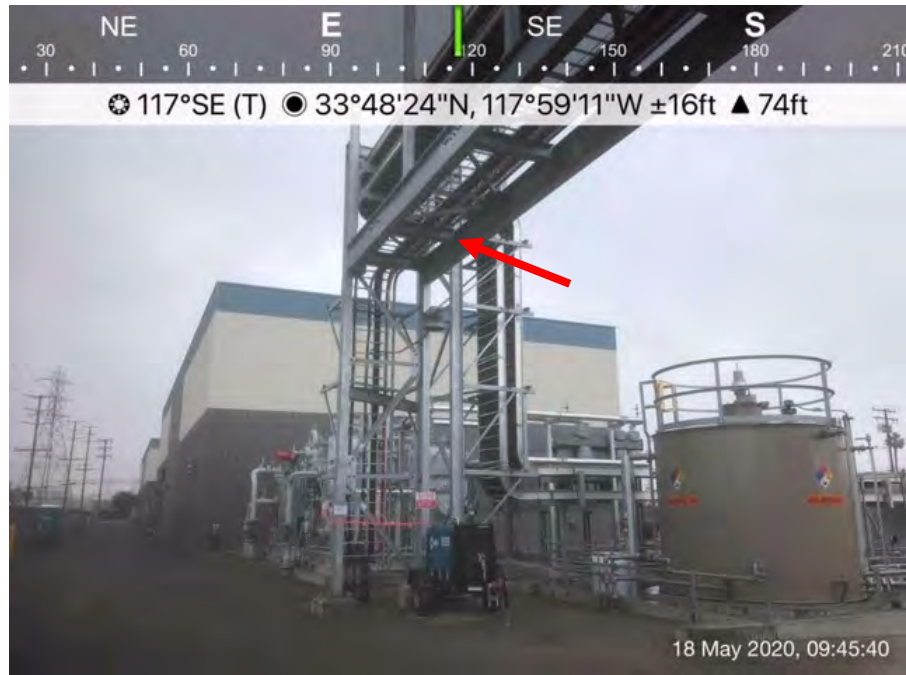
Thank you,

Ava

[Ava Edens](#) | [Jacobs](#) | SERC Designated Biologist | 949.404.2046 desk | 949.466.5178 mobile |
Ava.Edens@jacobs.com | www.jacobs.com

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Photo 1



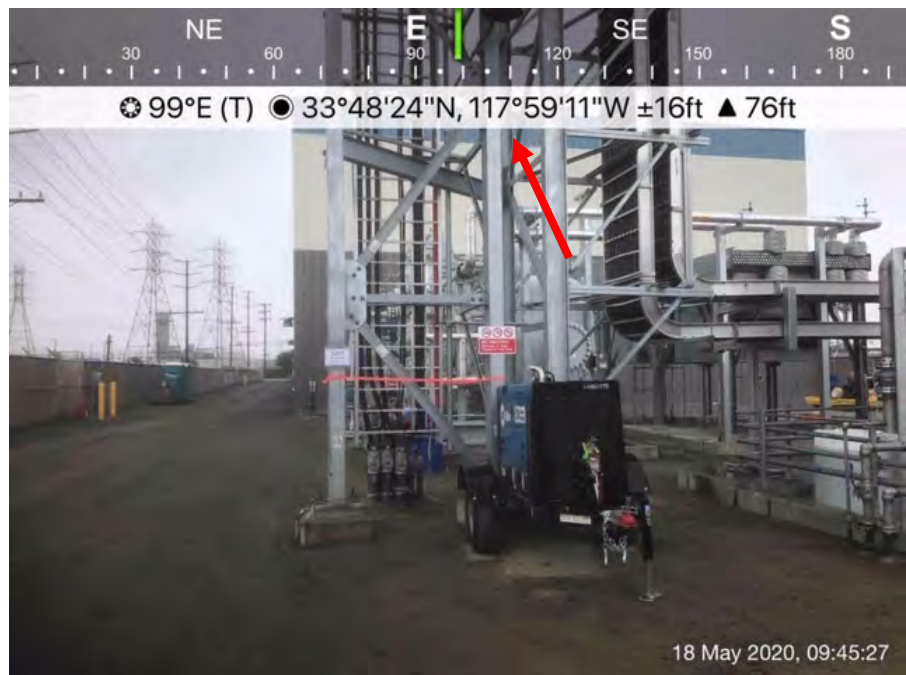
Location

SERC – Eastern Parcel

Description

Overview of the new mourning dove nest located in the GSU overhead rack east/south of the access roads (MOD0 East #4), facing southeast. Construction activities near the nest buffer included foot traffic. No adults were present in the area but the nest is complete and presumed active.

Photo 2



Location

SERC – Eastern Parcel

Description

A no-disturbance buffer was established below the new nest (MOD0 East #4) with flagging and signage (approximately 4x4 feet). The nest is approximately 20 feet above ground at the southwest vertical beam.

From: [Heiser, John@Energy](mailto:Heiser_John@Energy)
To: [Edens, Ava/SCO](mailto:Edens_Ava@SCO); [Valand, Andrew@Wildlife](mailto:Valand_Andrew@Wildlife); Christine_Medak@fws.gov
Cc: [Tim Bofman](mailto:Tim_Bofman); [Mike Malsy](mailto:Mike_Malsy); [Parker, Karen/SAC](mailto:Parker_Karen@SAC); [Davy, Doug/SAC](mailto:Davy_Doug@SAC)
Subject: [EXTERNAL] Re: Active Nest Notification for the Stanton Energy Reliability Center (16-AFC-1)
Date: Monday, June 1, 2020 10:07:54 AM

Good morning Ava, CEC Bio staff reviewed the recent report from May 27, 2020 regarding the mourning dove (*Zenaida macroura*) nest that was identified in the western parcel of the Stanton Energy Reliability Center (SERC) yesterday, May 27, 2020 and is presumed active. The nest is located at approximately 33.80674033 latitude and -117.98714119 longitude. The nest is under the awning on the northeast corner of the RO system approximately 12 feet above the ground.

Bio staff has approved via email dated 05/29/2020.

Thank you.

John

From: Heiser, John@Energy <john.heiser@energy.ca.gov>
Sent: Friday, May 29, 2020 9:16 AM
To: Edens, Ava/SCO <Ava.Edens@jacobs.com>; Valand, Andrew@Wildlife <Andrew.Valand@wildlife.ca.gov>; Christine_Medak@fws.gov <Christine_Medak@fws.gov>
Cc: Tim Bofman <tbofman@wellhead.com>; Mike Malsy <mmalsy@wellhead.com>; Parker, Karen/SAC <Karen.Parker@jacobs.com>; Davy, Doug/SAC <Doug.Davy@jacobs.com>
Subject: Re: Active Nest Notification for the Stanton Energy Reliability Center (16-AFC-1)

Good morning Ava, thank you for sending in the active bird nest notification for SERC. I have forwarded the information to CEC bio staff for review.

Cheers!

John

From: Edens, Ava/SCO <Ava.Edens@jacobs.com>
Sent: Thursday, May 28, 2020 3:11 PM
To: Heiser, John@Energy <john.heiser@energy.ca.gov>; Valand, Andrew@Wildlife <Andrew.Valand@wildlife.ca.gov>; Christine_Medak@fws.gov <Christine_Medak@fws.gov>
Cc: Tim Bofman <tbofman@wellhead.com>; Mike Malsy <mmalsy@wellhead.com>; Parker, Karen/SAC <Karen.Parker@jacobs.com>; Davy, Doug/SAC <Doug.Davy@jacobs.com>
Subject: Active Nest Notification for the Stanton Energy Reliability Center (16-AFC-1)

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Dear John,

A mourning dove (*Zenaida macroura*) nest was identified in the western parcel of the Stanton Energy Reliability Center (SERC) yesterday, May 27, 2020 and is presumed active. The nest is located at approximately 33.80674033 latitude and -117.98714119 longitude. The nest is under the awning on the northeast corner of the RO system approximately 12 feet above the ground.

Existing visual barriers present at the nest site make the nest difficult to see except for near the awning support post. The nest could not be accessed to confirm the presence of eggs but is presumed active. A no-disturbance buffer zone has been established around the posts below the nest with flagging and signage. See attached photographs.

Per Condition of Certification BIO-8, the nest will be monitored by the on-site biological monitor for any signs of distress while the nest is active. If signs of disturbance or distress are observed adaptive measures to reduce disturbance shall be implemented immediately.

Please let me know if you have any questions or concerns.

Thank you,
Ava

Ava Edens | Jacobs | SERC Designated Biologist | 949.404.2046 desk | 949.466.5178 mobile |
Ava.Edens@jacobs.com | www.jacobs.com

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Stanton Energy Reliability Center (SERC) Wildlife Observation Form

To be filled out by personnel who find active nest sites, wildlife dens, dead and/or injured wildlife, or other biological resources during daily construction activities. If nesting birds, dead and/or injured wildlife have been identified, please contact Ava Edens/Designated Biologist (DB) at (949) 466-5178 or ava.edens@jacobs.com. In the event the DB cannot be reached, please contact the Biological Monitor. After you have contacted the DB or Biological Monitor, please complete this "Wildlife Observation Form".

Date and Time	Observer	Observer's Employer
May 27, 2020	Cara Snellen	Jacobs

Location of Observation (include time spotted and coordinates if possible)

Active mourning dove nest under RO system awning (beam ledge of northeast awning corner) near eastern boundary of the SERC Western Parcel, approximately 12 feet above ground. Coordinates: 33.80674033, -117.98714119.

Wildlife Species Name	Condition of Wildlife (alive/dead, size, age, weight, etc.)
Mourning dove (<i>Zenaida macroura</i>)	Live

Cause of Injury or Mortality and time of death (If unknown, enter "unknown")

N/A

Current Location of Animal

Stanton Energy Reliability Center (SERC)

Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?

Yes ☐ No ☒ N/A ☐

If Yes, Explain

Additional Comments

An active mourning dove nest (MODO West #5) was observed on a beam ledge under the northeast corner of the RO system awning in the West parcel. The nest is located where the supporting vertical corner post connects with the beam ledge. The biologist observed nesting material hanging off the beam ledge and an adult mourning dove sitting in incubation position. A second adult approached the nest and the pair switched places. Neither adult was disturbed by the presence of the biologist. The nest location is approximately 12 feet above the ground and is partially concealed by the vertical post, the beam ledge (south)/beam face (north), and surrounding awning infrastructure. Given the height of the nest and the presence of an incubating adult, the presence/number of eggs could not be determined. No work will be conducted near the nest until the BESS is complete and the RO system is connected (estimate 1 month). Nearby construction activities in the area include foot traffic and truck ingress/egress on the access road located approximately 60 feet north of the nest. However, construction activities are visually buffered by the large RO tank to the northwest and the stationed truck trailer to the north. A no-disturbance buffer was established below the nest around the main vertical post and two posts supporting overhead pipes (approximately 4x4 feet) with flagging and signage.

Photo 1



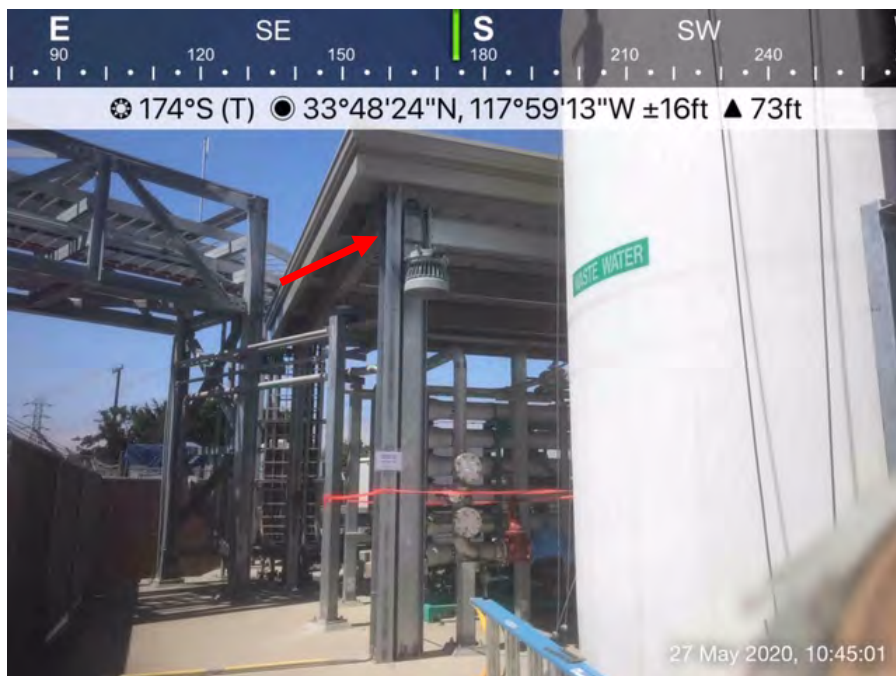
Location

SERC – Western Parcel

Description

Closeup of active mourning dove nest (MOD0 West #5) located in the northeast corner of the RO awning near the eastern boundary of the Western parcel, approximately 12 feet above ground. An adult was observed sitting in incubation position on nesting material.

Photo 2



Location

SERC – Western Parcel

Description

Overview of the MOD0 West #5 location on a beam ledge under the northeast corner of the RO system awning, facing south. The nest location is approximately 12 feet above the ground and is partially concealed by the vertical post, the beam ledge (south)/beam face (north), and surrounding awning infrastructure. A no-disturbance buffer was established around the main vertical post and two posts supporting overhead pipes below the nest (approximately 4x4 feet) with flagging and signage.



Figure 1. Google Earth image of SERC mourning dove nest location (indicated by yellow pin). The nest is located on the beam ledge under the northeast corner of the RO system awning near the eastern boundary of the SERC Western Parcel, approximately 12 feet above the ground. The beam ledge, vertical post, and surrounding awning infrastructure provide a visual buffer. In addition, the area is closely surrounded by fencing, large RO tank, stationed truck trailer, and other SERC infrastructure, effectively screening the nest from Project noise and activity (although not shown in Google Earth image). Coordinates: 33.80674033, -117.98714119.

Appendix B
Biological Resources Compliance
Monitoring Logs

Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date					Monitor		Time (Begin-End)	
May 1, 2020					Cara Snellen		0900-1045	
Temperature (°F)		Wind (mph)	Precipitation amount	Visibility	Weather Comment			
70-72		2-3	0.0 in.	Good (10 mi.)	Partly cloudy to mostly clear			
Location(s) of Work Site Activities Monitored								
<p>Checked all locations for potential bird/wildlife/Project interactions and compliance with COCs; completed nest updates for all nests present in SERC site and amendment area.</p> <p>SERC Site:</p> <p>Western Parcel – Activities included pipe/duct installation, earth contouring for below-ground infrastructure; pipe/duct fabrication; movement of materials/equipment.</p> <p>Eastern Parcel – Ongoing activities included demobilization of materials/equipment and clean-up (ARB).</p> <p>Western Laydown (SCE West parcel) – Activities included demobilization of materials/equipment and clean-up (ARB).</p> <p>Eastern Laydown (SCE East parcel) – Activities included parking; earth contouring along south fence; demobilization of equipment/materials and clean-up (ARB).</p> <p>Gas Pipeline – Ongoing activities related to gas pipeline infrastructure at Dale Avenue entrance.</p> <p>Church Parking Lot – No SERC-related activities.</p> <p>SERC Amendment Area:</p> <p>Parcel A – Activities included parking.</p> <p>Parcel B – Activities included foot traffic; material organization in parcel B warehouse. Non-SERC activities included foot/equipment traffic; loading and movement of materials.</p> <p>Parcel C – Activities included parking; foot traffic.</p>								
Summary of Biological Resources Monitoring Observations								
<p>Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.</p> <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> • None <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> • MODO nest #1 in Eastern Parcel (air compressor awning) –Adult mourning dove (<i>Zenaida macroura</i>) was observed sitting on the nest (presumably brooding). No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby construction activities. • MODO nest #2 in Eastern Parcel (GSU overhead rack) –Adult mourning dove (<i>Zenaida macroura</i>) was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby construction activities. • HOFI nest (#6) in Parcel B – No activity was observed. • HOSP nest (#7) in Parcel B –Adult male and fledgling present near nest. The birds were not disturbed by the presence of the biologist or by nearby activities. • MODO nest (#8) north of Parcel B – Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby activities. • NOMO nest (#9) southeast of Parcel C – Adult Northern mockingbirds (<i>Mimus polyglottos</i>) were observed moving throughout the area and gathering food from vegetation. The nest is partially concealed but is presumed to be in 								

<p>incubation stage. The birds were not disturbed by the presence of the biologist or by nearby construction activities.</p> <ul style="list-style-type: none">• HOSP nest (#3) east of Parcel C – Adult male was observed perching nearby and vocalizing. Several other house sparrows present in the area. The birds were not disturbed by the presence of the biologist or by nearby construction activities. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none">• None <p>Other Observations/Comments:</p> <ul style="list-style-type: none">• None
Items Requiring Action/Follow-up
<ul style="list-style-type: none">• No Items requiring follow-up. Monitoring of work will continue during Project construction activities.
Wildlife Species Observed:
<p>Birds: mourning dove, house sparrow, Northern mockingbird, house finch (<i>Haemorhous mexicanus</i>), Eurasian collared dove (<i>Streptopelia decaocto</i>), rock pigeon (<i>Columba livia</i>), European starling (<i>Sturnus vulgaris</i>), killdeer (<i>Charadrius vociferus</i>), American crow (<i>Corvus brachyrhynchos</i>), lesser goldfinch (<i>Spinus psaltria</i>), barn swallow (<i>Hirundo rustica</i>), red masked parakeet (<i>Aratinga erythrogenys</i>)</p>

Photo 1



Location

SERC – Western Parcel

Description

Overview of construction activities associated with the below-ground infrastructure for the battery storage in the West parcel, facing southwest.

Photo 2



Location

SERC – Western Parcel

Description

Material storage and pipe/duct fabrication in the West parcel, facing southeast.

Photo 3



Location	SERC – Eastern Parcel	Description	Adult mourning dove sitting on the nest (presumably brooding), facing southeast. The mourning dove nest (East #1) is located in the air compressor awning between Units 1 and 2.
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Photo 4



Location	SERC – Eastern Parcel	Description	Overview of the GSU, access road, and canal bridge in the East parcel, facing west. Mourning dove nest (East #2) is located in the GSU overhead rack.
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Photo 5



Location	SERC – Western Laydown Yard	Description	Overview of West laydown yard and clean-up activities, facing east. Most materials have been demobilized (ARB).
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Photo 6



Location	SERC – Eastern Laydown Yard	Description	Demobilization of materials (ARB) in the East laydown yard, facing northwest.
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Photo 7



Location	SERC – Eastern Laydown Yard	Description	Earth contouring along the south fence line as part of clean-up activities in the East laydown yard, facing southwest.
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Photo 8



Location	Gas pipeline at Dale Avenue entrance (Eastern Parcel)	Description	Ongoing construction activities associated with the gas pipeline at the Dale Avenue entrance of the Eastern parcel, facing southeast.
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Photo 9



Location	SERC – Parcel B of the Amendment Area	Description	View northeast, from left to right, Nest 8 (mourning dove), Nest 6 (house finch), and Nest 7 (house sparrow) located in and around Parcel B of the amendment area.
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Photo 10



Location	SERC – Parcel C of the Amendment Area/Western Laydown Yard	Description	View northwest of Nest 3 (house sparrow; top) and Nest 9 (Northern mockingbird; bottom) located east and southeast of Parcel C, respectively, and adjacent to West Laydown Yard.
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Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 4, 2020		Cara Snellen		0900-1020
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
60-73	1-2	0.0 in.	Good (10 mi.)	Clear and sunny

Location(s) of Work Site Activities Monitored

Checked for potential bird/wildlife/Project interactions and compliance with COCs in vicinity of nest buffers in/near the SERC site and the SERC amendment area. Nests are located in the SERC Eastern Parcel, in/near Parcel B, and near Parcel C/West Laydown Yard.

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – Active mourning dove (*Zenaida macroura*; MODO) nest located on a beam ledge under the southeast corner of the air compressor awning between Units 1 and 2 in the Eastern Parcel, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack)** – Active mourning dove nest located on a metal plate that connects a vertical beam to the overhead wire rack just east of the GSU in the East parcel, approximately 20 feet above the ground. A no-disturbance buffer has been established around the four vertical beams below the nest within flagging and signage.
- **HOFI nest (#6) in Parcel B** – Active house finch (*Haemorhous mexicanus*; HOFI) nest located on a beam ledge in the underside of the northwest corner of the warehouse awning in Parcel B, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **HOSP nest (#7) in Parcel B** – Active house sparrow (*Passer domesticus*; HOSP) nest located in the north corner of the equipment door track enclosure on the west side of the Parcel B warehouse, approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the Migratory Bird Treaty Act (MBTA).
- **MODO nest (#8) north of Parcel B** – Active mourning dove nest located on a beam ledge under the west edge of the north warehouse C awning, approximately 75 feet north of Parcel B. The nest is approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **NOMO nest (#9) southeast of Parcel C** – Active mourning dove (*Zenaida macroura*) nest located in an avocado tree located approximately 95 feet southwest of Parcel C and 15 feet east of the West Laydown Yard. The nest is approximately 4 feet above the ground. No buffer has been established as it is located outside the work area and behind a chain-link fence.
- **HOSP nest (#3) east of Parcel C** – Active house sparrow nest located inside wire insulator directly west of a utility pole, approximately 75 feet east of the southeast corner of Parcel C and north adjacent to the West laydown Yard. The nest is approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the MBTA.

SERC Site:

Eastern Parcel – Ongoing activities included ingress/egress around nest buffers; clean-up (ARB).

West Laydown Yard – Ongoing activities included demobilization of materials/equipment; clean-up (ARB).

SERC Amendment Area:

Parcel B – Ongoing SERC activities included foot traffic; material inventory in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Ongoing activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations
<p>Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.</p> <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> None <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> MODO nest #1 in Eastern Parcel (air compressor awning) –Adult mourning dove was observed sitting on the nest (presumably brooding) and a second dove was perched on the concrete wall nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities. MODO nest #2 in Eastern Parcel (GSU overhead rack) – Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby construction activities. HOFI nest (#6) in Parcel B – Adult male and female were perched on a nearby wire. The male left the area and the female moved closer to the nest, eventually entering. Chicks were heard vocalizing. The adults were not disturbed by the presence of the biologist or by nearby activities. HOSP nest (#7) in Parcel B – Adult male observed bringing material to the nest. A nestling was observed at the nest entrance. The birds were not disturbed by the presence of the biologist or by nearby activities. MODO nest (#8) north of Parcel B – Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby activities. NOMO nest (#9) southeast of Parcel C – Three adult Northern mockingbirds were observed moving throughout the area, often chasing each other. None of the birds entered the nest tree. The adults were not disturbed by the presence of the biologist or by nearby construction activities. HOSP nest (#3) east of Parcel C –An adult male was observed perched nearby and vocalizing. A female perched adjacent and the pair copulated several times. The adult was not disturbed by the presence of the biologist or by nearby construction activities. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> None <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> None
Items Requiring Action/Follow-up
<ul style="list-style-type: none"> No Items requiring follow-up. Monitoring of work will continue during Project construction activities.
Wildlife Species Observed:
<p>Birds: mourning dove, house finch, house sparrow, Northern mockingbird. Eurasian collared dove (<i>Streptopelia decaocto</i>), rock pigeon (<i>Columba livia</i>), European starling (<i>Sturnus vulgaris</i>), Cassin's kingbird (<i>Tyrannus vociferans</i>), barn swallow (<i>Hirundo rustica</i>)</p>

Photo 1



Location

SERC – Eastern Parcel

Description

MOD0 nest #1 in Eastern Parcel –Adult mourning dove sitting low on the nest (presumably brooding), facing southeast.

Photo 2



Location

SERC – Eastern Parcel

Description

MOD0 nest #2 in Eastern Parcel –Overview of the nest location in the GSU overhead rack, facing west. Clean-up activities were occurring in the East laydown Yard north of the nest. An adult mourning dove was sitting low on the nest in incubation position and showed no signs of disturbance.

Photo 3



Location

SERC – Parcel B of the
Amendment Area

Description

Female house finch perched next to Nest #6. Ongoing SERC activities included foot traffic; material inventory in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Photo 4



Location

SERC – Parcel B of the
Amendment Area

Description

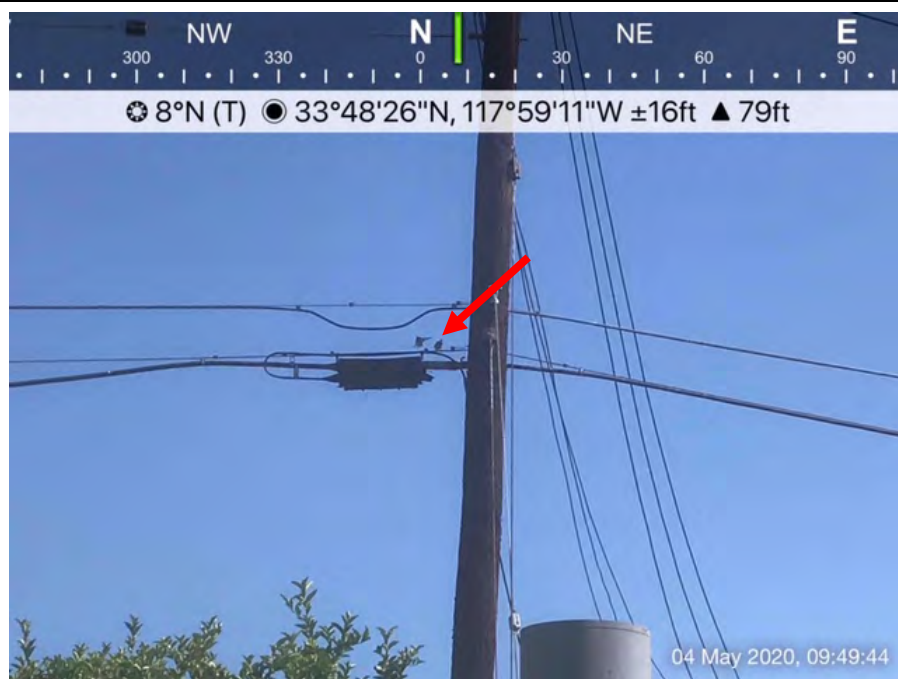
Overview of Nest #7 location (house sparrow). A nestling was present at the entrance of the nest cavity. Ongoing SERC activities included foot traffic; material inventory in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Photo 5



Location	SERC – Parcel B of the Amendment Area	Description	Overview of Nest #8 location (mourning dove). An adult was observed sitting low on the nest. Non-SERC activities included foot/equipment traffic; loading and movement of materials.
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Photo 6



Location	SERC – Parcel C of the Amendment Area/ Western Laydown Yard	Description	Overview of Nest #3 location (house sparrow). A pair of house sparrows was observed copulating next to the nest cavity. SERC construction activities in the area included demobilization and clean-up.
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Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 5, 2020		Cara Snellen		0930-1030
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
75-79	1-2	0.0 in.	Good (10 mi.)	Clear and sunny

Location(s) of Work Site Activities Monitored

Checked for potential bird/wildlife/Project interactions and compliance with COCs in vicinity of nest buffers in/near the SERC site and the SERC amendment area. Nests are located in the SERC Eastern Parcel, in/near Parcel B, and near Parcel C/West Laydown Yard.

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – Active mourning dove (*Zenaida macroura*; MODO) nest located on a beam ledge under the southeast corner of the air compressor awning between Units 1 and 2 in the Eastern Parcel, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack)** – Active mourning dove nest located on a metal plate that connects a vertical beam to the overhead wire rack just east of the GSU in the East parcel, approximately 20 feet above the ground. A no-disturbance buffer has been established around the four vertical beams below the nest within flagging and signage.
- **HOFI nest (#6) in Parcel B** – Active house finch (*Haemorhous mexicanus*; HOFI) nest located on a beam ledge in the underside of the northwest corner of the warehouse awning in Parcel B, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **HOSP nest (#7) in Parcel B** – Active house sparrow (*Passer domesticus*; HOSP) nest located in the north corner of the equipment door track enclosure on the west side of the Parcel B warehouse, approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the Migratory Bird Treaty Act (MBTA).
- **MODO nest (#8) north of Parcel B** – Active mourning dove nest located on a beam ledge under the west edge of the north warehouse C awning, approximately 75 feet north of Parcel B. The nest is approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **NOMO nest (#9) southeast of Parcel C** – Active mourning dove (*Zenaida macroura*) nest located in an avocado tree located approximately 95 feet southwest of Parcel C and 15 feet east of the West Laydown Yard. The nest is approximately 4 feet above the ground. No buffer has been established as it is located outside the work area and behind a chain-link fence.
- **HOSP nest (#3) east of Parcel C** – Active house sparrow nest located inside wire insulator directly west of a utility pole, approximately 75 feet east of the southeast corner of Parcel C and north adjacent to the West laydown Yard. The nest is approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the MBTA.

SERC Site:

Eastern Parcel – Ongoing activities included ingress/egress around nest buffers; clean-up (ARB).

West Laydown Yard – Ongoing activities included demobilization of materials/equipment; clean-up (ARB).

SERC Amendment Area:

Parcel B – Ongoing SERC activities included foot traffic; material inventory and movement. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Ongoing activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations
<p>Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.</p> <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> None <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> MODO nest #1 in Eastern Parcel (air compressor awning) –Adult mourning dove was observed sitting on the nest (presumably brooding). No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby construction activities. MODO nest #2 in Eastern Parcel (GSU overhead rack) – Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby construction activities. HOFI nest (#6) in Parcel B – Adult male was perched adjacent to the nest and a female was observed at the nest. Chicks were heard vocalizing. Both adults then left the area. The adults/chicks were not disturbed by the presence of the biologist or by nearby activities. HOSP nest (#7) in Parcel B – No nesting activity was observed at the nest. No house sparrows were observed in the vicinity. MODO nest (#8) north of Parcel B – Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby activities. NOMO nest (#9) southeast of Parcel C – Two adult Northern mockingbirds were observed moving throughout the area, collecting food from nearby vegetation. Neither bird entered the nest tree. The adults were not disturbed by the presence of the biologist or by nearby construction activities. HOSP nest (#3) east of Parcel C –An adult male was observed perched nearby and vocalizing. A female perched adjacent and the pair copulated several times. The adult was not disturbed by the presence of the biologist or by nearby construction activities. On 5/4/2020, Wellhead reported bird activity (likely mourning dove) and nesting material on a ledge inside the trash enclosure near the Dale Avenue entrance in the Eastern Parcel. The Designated Biologist confirmed via photograph that no eggs were present and the nesting material was cleared. The monitoring biologist checked the location and cleared away additional nesting material that was left behind. No birds or nesting activity was observed by the biologist. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> None <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> None
Items Requiring Action/Follow-up
<ul style="list-style-type: none"> No Items requiring follow-up. Monitoring of work will continue during Project construction activities.
Wildlife Species Observed:
<p>Birds: mourning dove, house finch, house sparrow, Northern mockingbird, Eurasian collared dove (<i>Streptopelia decaocto</i>), rock pigeon (<i>Columba livia</i>), Cassin's kingbird (<i>Tyrannus vociferans</i>), barn swallow (<i>Hirundo rustica</i>), killdeer (<i>Charadrius vociferus</i>)</p>

Photo 1



Location

SERC – Eastern Parcel

Description

MODO nest #1 in Eastern Parcel –Adult mourning dove sitting low on the nest (presumably brooding), facing southeast.

Photo 2



Location

SERC – Eastern Parcel

Description

MODO nest #2 in Eastern Parcel –Overview of the nest location in the GSU overhead rack, facing west. Clean-up activities were occurring in the East laydown Yard north of the nest. An adult mourning dove was sitting low on the nest in incubation position and showed no signs of disturbance.

Photo 3



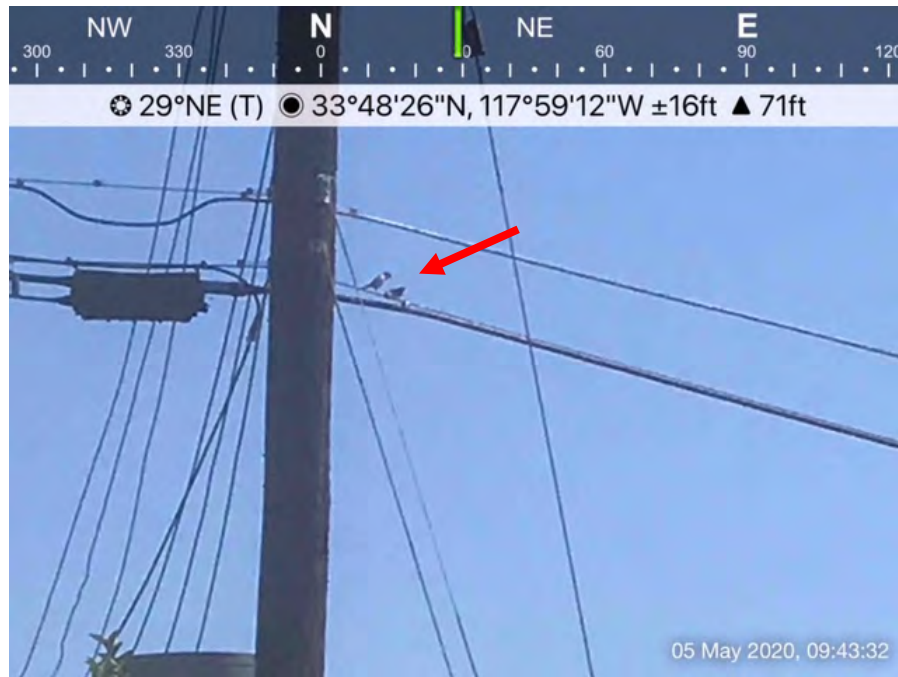
Location	SERC – Parcel B of the Amendment Area	Description	Overview of Nest #6 location (house finch), facing northeast. Ongoing SERC activities included foot traffic; material movement. Non-SERC activities included foot/equipment traffic; loading and movement of materials.
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Photo 4



Location	SERC – Parcel B of the Amendment Area	Description	Overview of Nest #8 location (mourning dove), facing north. An adult was observed sitting low on the nest. Ongoing SERC activities included foot traffic; material inventory/movement in warehouse C. Non-SERC activities included foot/equipment traffic; loading and movement of materials.
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Photo 5



Location

SERC – Parcel C of the
Amendment Area/ Western
Laydown Yard

Description

Overview of Nest #3 location (house sparrow). A pair of house sparrows was observed copulating next to the nest cavity. SERC construction activities in the area included demobilization and clean-up.

Photo 6



Location

SERC –Western Laydown
Yard

Description

Overview of demobilization activities in the Western Laydown Yard near Nest #3 (house sparrow) and Nest #9 (Northern mockingbird), facing northeast.

Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 6, 2020		Cara Snellen		0800-1000
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
67-78	1-2	0.0 in.	Good (10 mi.)	Clear and sunny
Location(s) of Work Site Activities Monitored				
<p>Checked all locations for potential bird/wildlife/Project interactions and compliance with COCs; completed nest updates for all nests present in SERC site and amendment area.</p> <p>SERC Site:</p> <p>Western Parcel – Ongoing activities related to above-ground infrastructure; pipe/duct fabrication; movement of materials/equipment.</p> <p>Eastern Parcel – Ongoing activities included control room operations; demobilization of materials and clean-up (ARB).</p> <p>Western Laydown (SCE West parcel) – Activities included ingress/egress; earth contouring and clean-up (ARB).</p> <p>Eastern Laydown (SCE East parcel) – Activities included parking; demobilization of equipment/materials and clean-up (ARB).</p> <p>Gas Pipeline – Ongoing activities related to gas pipeline infrastructure at Dale Avenue entrance.</p> <p>Church Parking Lot – No SERC-related activities.</p> <p>SERC Amendment Area:</p> <p>Parcel A – Activities included parking.</p> <p>Parcel B – Activities included foot traffic; material organization/inventory in warehouse C. Non-SERC activities included foot/equipment traffic; loading and movement of materials.</p> <p>Parcel C – Activities included parking; foot traffic.</p>				
Summary of Biological Resources Monitoring Observations				
<p>Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.</p> <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> None <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> MODO nest #1 in Eastern Parcel (air compressor awning) –Adult mourning dove (<i>Zenaida macroura</i>) was observed sitting on the nest (presumably brooding). No other mourning doves were observed in the vicinity. A discarded egg with a visible embryo was observed on the ground below the nest (see photo 6; Wildlife Observation Form). The adult was not disturbed by the presence of the biologist or by nearby construction activities. MODO nest #2 in Eastern Parcel (GSU overhead rack) –Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby construction activities. MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure) –Adult mourning dove was observed sitting on the nest in incubation position. A second adult was observed perched nearby. The active nest was reported by Wellhead personnel on 5/5/2020. The nest is located in the northwest corner of the trash enclosure at the Dale Avenue entrance of the East parcel, approximately 8 feet above the ground. A no-disturbance buffer was established around the nest location; the size and shape of which accommodates/utilizes the enclosure and surrounding infrastructure and accounts for the existing visual buffers around the nest (see photo 7-8). The buffer excludes entry into the trash enclosure and extends approximately 5 feet out from the front and sides of the enclosure. The adults were not disturbed by the presence of the biologist or by nearby construction activities. HOFI nest (#6) in Parcel B – An adult female house finch (<i>Haemorrhous mexicanus</i>) was observed bringing food to the nest. No other adults were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby construction activities. 				

- **HOSP nest (#7) in Parcel B** –No house sparrows (*Passer domesticus*) or nesting activity was observed.
- **MODO nest (#8) north of Parcel B** – Adult mourning dove was observed sitting on the nest in incubation position. A second adult was observed flying into the area and perching nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities.
- **NOMO nest (#9) southeast of Parcel C** – An adult Northern mockingbird (*Mimus polyglottos*) was observed moving throughout the area, but did not enter the nest tree. The status of the nest is unknown. The bird was not disturbed by the presence of the biologist or by nearby construction activities.
- **HOSP nest (#3) east of Parcel C** – Adult male was observed perching nearby and vocalizing. No other house sparrows were observed in the vicinity. The bird was not disturbed by the presence of the biologist or by nearby construction activities.

Other Biological Resources Observations:

- None

Other Observations/Comments:

- None

Items Requiring Action/Follow-up

- No Items requiring follow-up. Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: mourning dove, house sparrow, Northern mockingbird, house finch (*Haemorhous mexicanus*), Eurasian collared dove (*Streptopelia decaocto*), rock pigeon (*Columba livia*), killdeer (*Charadrius vociferus*), American crow (*Corvus brachyrhynchos*), barn swallow (*Hirundo rustica*), red masked parakeet (*Aratinga erythrogenys*)

Photo 1



Location	SERC – Western Parcel	Description	Overview of construction activities associated with the above-ground infrastructure for the battery storage in the West parcel, facing southwest.
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Photo 2



Location	SERC – Western Parcel	Description	Material storage and pipe/duct fabrication in the West parcel, facing southwest.
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Photo 3



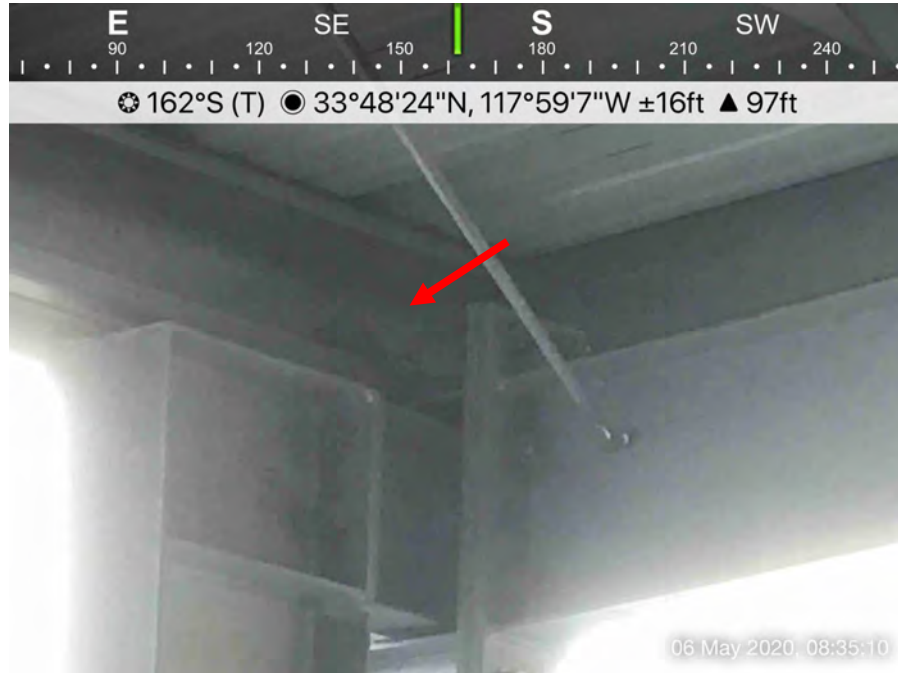
Location	SERC – Eastern Parcel	Description	Minimal construction activities in the East parcel included ingress/egress and control room operations, facing west.
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Photo 4



Location	SERC – Eastern Parcel	Description	Overview of the GSU, access road, and canal bridge in the East parcel, facing west. Mourning dove nest (MODO East #2) is located in the GSU overhead rack.
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Photo 5



Location

SERC – Eastern Parcel

Description

Adult mourning dove sitting on the nest (presumably brooding), facing south. The mourning dove nest (MODO East #1) is located in the air compressor awning between Units 1 and 2.

Photo 6



Location

SERC – Eastern Parcel

Description

Discarded egg found on ground below active mourning dove nest (MODO East #1) under the air compressor awning in the East parcel (See Wildlife Observation Form). Only construction activities occurring in the vicinity of the no-disturbance buffer included ingress/egress.

Photo 7



Location	SERC – Eastern Parcel	Description	Location of new active mourning dove nest (MODO East #3) in the northwest corner of the trash enclosure at the Dale Avenue entrance of the East parcel, facing northwest. An adult was sitting on the nest in incubation position and a second adult was perched nearby.
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Photo 8



Location	SERC – Eastern Parcel	Description	No-disturbance buffer established around the new active mourning dove nest (MODO East #3), facing south. The size and shape of the buffer accommodates/utilizes the surrounding infrastructure and accounts for the existing visual buffers around the nest.
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Photo 9



Location	SERC – Western Laydown Yard	Description	Minimal construction activities in the Western laydown yard included ingress/egress and final clean-up, facing northeast.
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Photo 10



Location	SERC – Eastern Laydown Yard	Description	Demobilization of materials and clean-up (ARB) in the East laydown yard, facing west.
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Photo 11



Location	SERC – Eastern Laydown Yard	Description	Movement of materials as part of clean-up activities in the East laydown yard, facing north.
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Photo 12



Location	Gas pipeline at Dale Avenue entrance (Eastern Parcel)	Description	Ongoing construction activities associated with the gas pipeline at the Dale Avenue entrance of the East parcel, facing southeast.
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Photo 13



Location	SERC – Parcel B of the Amendment Area	Description	View west of active house finch nest (Nest #6; feeding checks) located in the awning corner of the warehouse in Parcel B of the amendment area.
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Photo 14



Location	SERC – Parcel B of the Amendment Area	Description	View northeast of active mourning dove nest (Nest #8) located in the awning of warehouse C north of Parcel B of the amendment area. The buffer was further delineated to accommodate additional construction contractor ingress/egress.
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Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 7, 2020		Cara Snellen		0900-1000
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
75-79	1-2	0.0 in.	Good (10 mi.)	Clear and sunny

Location(s) of Work Site Activities Monitored

Checked for potential bird/wildlife/Project interactions and compliance with COCs in vicinity of nest buffers in/near the SERC site and the SERC amendment area. Nests are located in the SERC Eastern Parcel, in/near Parcel B, and near Parcel C/West Laydown Yard.

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – Active mourning dove (*Zenaida macroura*; MODO) nest located on a beam ledge under the southeast corner of the air compressor awning between Units 1 and 2 in the Eastern Parcel, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack)** – Active mourning dove nest located on a metal plate that connects a vertical beam to the overhead wire rack just east of the GSU in the East parcel, approximately 20 feet above the ground. A no-disturbance buffer has been established around the four vertical beams below the nest with flagging and signage.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – Active mourning dove nest located under the northwest corner of the trash enclosure awning at the Dale Avenue entrance of the East parcel, approximately 8 feet above the ground. A no-disturbance buffer has been established around the nest (as accessible) with flagging and signage.
- **HOFI nest (#6) in Parcel B** – Active house finch (*Haemorhous mexicanus*; HOFI) nest located on a beam ledge in the underside of the northwest corner of the warehouse awning in Parcel B, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **HOSP nest (#7) in Parcel B** – Active house sparrow (*Passer domesticus*; HOSP) nest located in the north corner of the equipment door track enclosure on the west side of the Parcel B warehouse, approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the Migratory Bird Treaty Act (MBTA).
- **MODO nest (#8) north of Parcel B** – Active mourning dove nest located on a beam ledge under the west edge of the north warehouse C awning, approximately 75 feet north of Parcel B. The nest is approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **NOMO nest (#9) southeast of Parcel C** – Active Northern mockingbird (*Mimus polyglottos*) nest located in an avocado tree located approximately 95 feet southwest of Parcel C and 15 feet east of the West Laydown Yard. The nest is approximately 4 feet above the ground. No buffer has been established as it is located outside the work area and behind a chain-link fence.
- **HOSP nest (#3) east of Parcel C** – Active house sparrow nest located inside wire insulator directly west of a utility pole, approximately 75 feet east of the southeast corner of Parcel C and north adjacent to the West laydown Yard. The nest is approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the MBTA.

SERC Site:

Eastern Parcel – Ongoing activities included ingress/egress around nest buffers; work inside Unit 1 and on stack; concrete truck traffic; gas pipeline work; clean-up (ARB).

West Laydown Yard – Ongoing activities included ingress/egress.

SERC Amendment Area:

Parcel B – No SERC activities during monitoring period. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Ongoing activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations

Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.

Special-Status Species Observed:

- None

Nesting Bird Observations:

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – Adult mourning dove was observed sitting on the nest (presumably brooding). No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby construction activities.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack)** – Adult mourning dove was observed sitting on the nest in incubation position. A second adult was perched nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – Adult mourning dove was observed sitting on the nest in incubation position. A second adult was perched nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities.
- **HOFI nest (#6) in Parcel B** – Adult male and female were observed perched near the nest. At least one chick was visible in the nest. The adults/chicks were not disturbed by the presence of the biologist or by nearby activities.
- **HOSP nest (#7) in Parcel B** – No nesting activity was observed at the nest. No house sparrows were observed in the vicinity.
- **MODO nest (#8) north of Parcel B** – Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby activities.
- **NOMO nest (#9) southeast of Parcel C** – Two adult Northern mockingbirds were observed moving throughout the area, collecting food from nearby vegetation. Neither bird entered the nest tree. The adults were not disturbed by the presence of the biologist or by nearby construction activities.
- **HOSP nest (#3) east of Parcel C** – An adult male was observed perched nearby and vocalizing. No other house sparrows were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby construction activities.

Other Biological Resources Observations:

- None

Other Observations/Comments:

- None

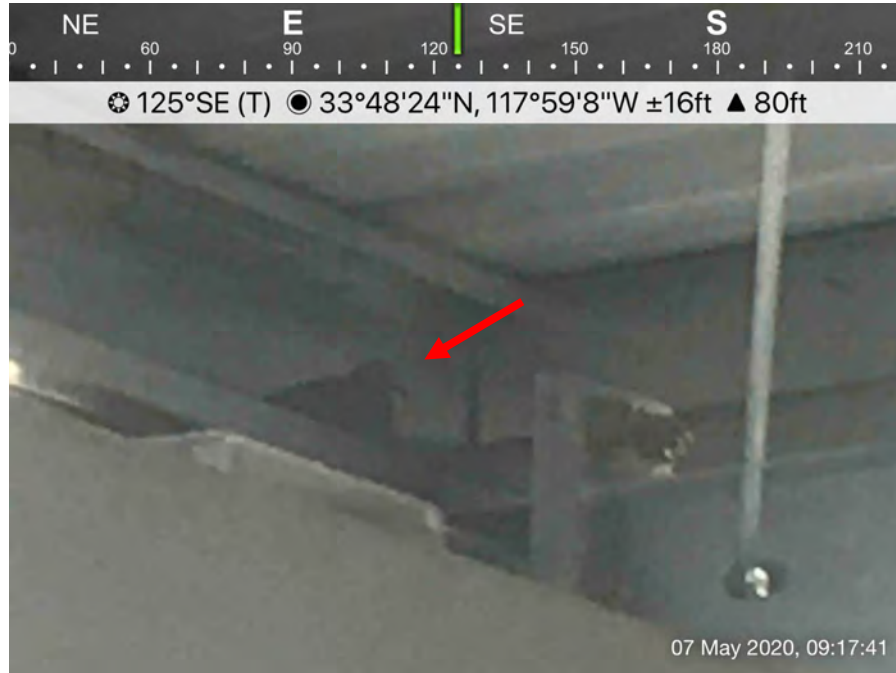
Items Requiring Action/Follow-up

- No Items requiring follow-up. Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: mourning dove, house finch, house sparrow, Northern mockingbird, Eurasian collared dove (*Streptopelia decaocto*), rock pigeon (*Columba livia*), barn swallow (*Hirundo rustica*), killdeer (*Charadrius vociferus*), American crow (*Corvus brachyrhynchos*)

Photo 1



Location

SERC – Eastern Parcel

Description

MODO nest #1 in Eastern Parcel –Adult mourning dove sitting low on the nest (presumably brooding), facing southeast.

Photo 2



Location

SERC – Eastern Parcel

Description

MODO nest #2 in Eastern Parcel –Overview of the nest location in the GSU overhead rack, facing west. Concrete trucks were traveling on the access road to the Western parcel. An adult mourning dove was sitting low on the nest in incubation position and showed no signs of disturbance.

Photo 3



Location	SERC – Eastern Parcel	Description	MODO nest #3 in Eastern Parcel —Overview of work occurring in the vicinity of the nest located in the Dale Avenue entrance trash enclosure, facing southwest. Concrete trucks were traveling on the access road to the Western parcel; construction was occurring at the gas pipeline and at Unit 1. An adult mourning dove was sitting low on the nest in incubation position and showed no signs of disturbance. Nest buffer is visible on the left side of the photo.
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Photo 4



Location	SERC – Parcel B of the Amendment Area	Description	Overview of Nest #6 location (house finch), facing north. No SERC construction activities were occurring during the observation period. Non-SERC activities included foot/equipment traffic; loading and movement of materials.
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Photo 5



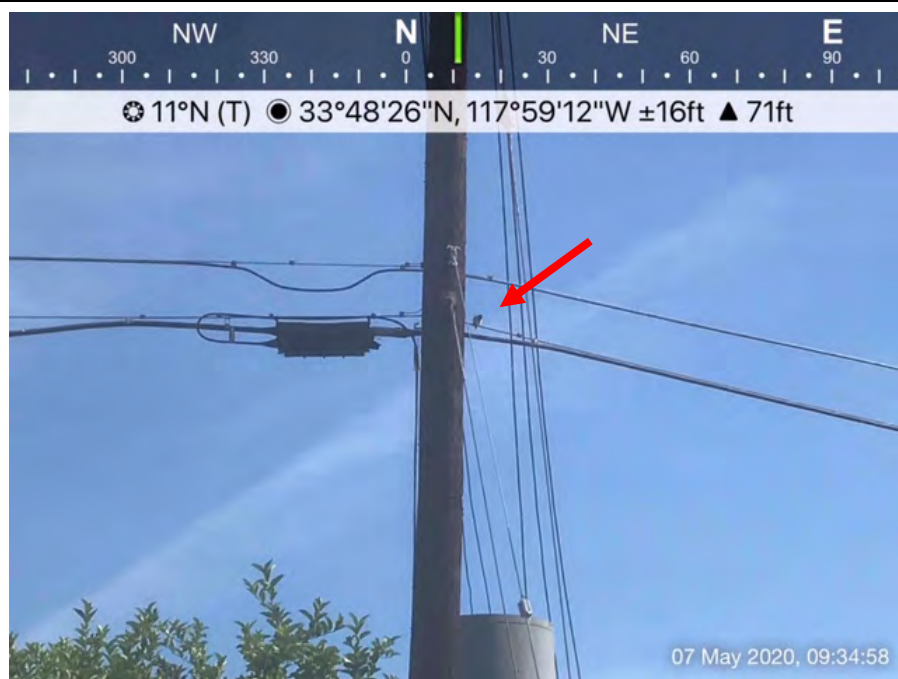
Location

SERC – Parcel B of the
Amendment Area

Description

Overview of Nest #8 location (mourning dove), facing northeast. An adult was observed sitting low on the nest. No SERC construction activities were occurring during the observation period. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Photo 6



Location

SERC – Parcel C of the
Amendment Area/ Western
Laydown Yard

Description

Overview of Nest #3 location (house sparrow). A adult male was observed perched next to the nest and vocalizing. SERC construction activities occurring nearby included ingress/egress (foot traffic).

Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 8, 2020		Cara Snellen		0830-1030
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
67-73	1-3	0.0 in.	Good (10 mi.)	Clear and sunny
Location(s) of Work Site Activities Monitored				
<p>Checked all locations for potential bird/wildlife/Project interactions and compliance with COCs; completed nest updates for all nests present in SERC site and amendment area. Monitored work (testing, calibration of air compressors) within the MODO East #1 nest buffer to minimize disturbance.</p> <p>SERC Site:</p> <p>Western Parcel – Ongoing activities related to above-ground infrastructure; concrete pumping and concrete truck traffic; dust abatement; movement of materials/equipment.</p> <p>Eastern Parcel – Ongoing activities included control room operations; air compressor testing; concrete truck traffic; dust abatement; fence work along north parcel border; demobilization of materials and clean-up (ARB).</p> <p>Western Laydown (SCE West parcel) – Activities included ingress/egress (foot traffic).</p> <p>Eastern Laydown (SCE East parcel) – Activities included parking; demobilization of equipment/materials and clean-up (ARB).</p> <p>Gas Pipeline – Ongoing activities related to gas pipeline infrastructure at Dale Avenue entrance.</p> <p>Church Parking Lot – No SERC-related activities.</p> <p>SERC Amendment Area:</p> <p>Parcel A – Activities included parking.</p> <p>Parcel B – No SERC construction activities occurring. Non-SERC activities included foot/equipment traffic; loading and movement of materials.</p> <p>Parcel C – Activities included parking; foot traffic.</p>				
Summary of Biological Resources Monitoring Observations				
<p>Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.</p> <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> None <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> MODO nest #1 in Eastern Parcel (air compressor awning) –Adult mourning dove (<i>Zenaida macroura</i>) was observed sitting on the nest with a single chick. During the buffer monitoring period (0910-0935), a second adult was perched near the nest, eventually landing on the ground below the nest and walking around. Neither adult showed signs of disturbance by the presence of the biologist, construction personnel, or monitored work. When work within the buffer concluded and personnel left the area, the second adult flew up to the nest. The adults switched places on the nest, and the relieved adult left the area. The remaining adult was then observed feeding the chick. MODO nest #2 in Eastern Parcel (GSU overhead rack) –Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby construction activities. MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure) –Adult mourning dove was observed sitting on the nest in incubation position. A second adult was observed perched nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities. HOFI nest (#6) in Parcel B – No activity was observed. Chicks were not visible in the nest. HOSP nest (#7) in Parcel B –No house sparrows (<i>Passer domesticus</i>) or nesting activity was observed. 				

- **MODO nest (#8) north of Parcel B** – Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby activities.
- **NOMO nest (#9) southeast of Parcel C** – An adult Northern mockingbird (*Mimus polyglottos*) was observed moving throughout the area, but did not enter the nest tree. The status of the nest is unknown. The bird was not disturbed by the presence of the biologist or by nearby construction activities.
- **HOSP nest (#3) east of Parcel C** – Adult male was observed perching adjacent to the nest and vocalizing. An adult female and begging fledglings were also perched nearby. The bird was not disturbed by the presence of the biologist or by nearby construction activities.

Other Biological Resources Observations:

- None

Other Observations/Comments:

- None

Items Requiring Action/Follow-up

- No Items requiring follow-up. Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: mourning dove, house sparrow, Northern mockingbird, house finch (*Haemorhous mexicanus*), Eurasian collared dove (*Streptopelia decaocto*), rock pigeon (*Columba livia*), killdeer (*Charadrius vociferus*), American crow (*Corvus brachyrhynchos*), barn swallow (*Hirundo rustica*)

Reptiles: Western fence lizard (*Sceloporus occidentalis*)

Photo 1



Location	SERC – Western Parcel	Description	Overview of construction activities associated with the above-ground infrastructure for the battery storage in the West parcel, facing west.
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Photo 2



Location	SERC – Eastern Parcel	Description	Minimal construction activities in the East parcel included fence work, facing west.
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Photo 3



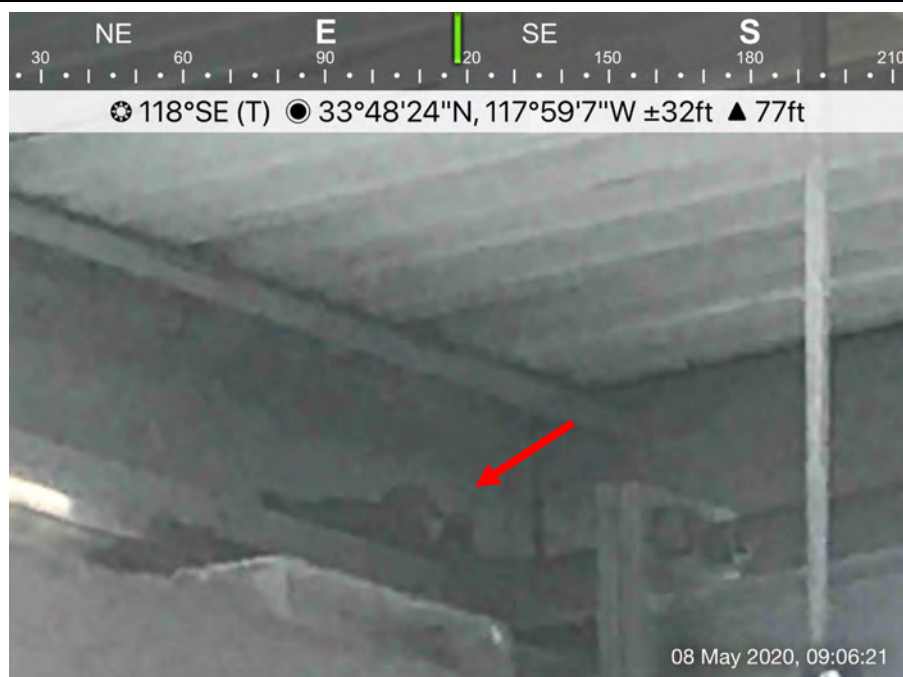
Location	SERC – Eastern Parcel	Description	Overview of the GSU, access road, and canal bridge in the East parcel, facing west. Mourning dove nest (MODO East #2) is located in the GSU overhead rack. Nearby construction activities included concrete truck traffic along the north access road.
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Photo 4



Location	SERC – Eastern Parcel	Description	Location of mourning dove nest (MODO East #3) in the northwest corner of the trash enclosure at the Dale Avenue entrance of the East parcel, facing southwest. An adult was sitting on the nest in incubation position and a second adult was perched nearby.
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Photo 5



Location	SERC – Eastern Parcel	Description	Adult mourning dove sitting on the nest with a single chick, facing southeast. The mourning dove nest (MODO East #1) is located in the air compressor awning between Units 1 and 2.
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Photo 6



Location	SERC – Eastern Parcel	Description	Air compressor testing activities were monitored within the buffer of the mourning dove nest (MODO East #1) in the East parcel, facing west. Nesting birds showed no signs of disturbance.
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Photo 7



Location	SERC – Eastern Parcel	Description	A second adult was present in the area (perched and walking on the ground) during the monitored work within the MOD0 East #1 buffer, facing southwest. Once work was complete and personnel had left, the adult entered the nest, switched places, and fed the chick.
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Photo 8



Location	SERC – Eastern Laydown Yard	Description	Demobilization of materials and clean-up (ARB) in the East laydown yard, facing east. Fence work on the east parcel boundary is visible on the right.
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Photo 9



Location	SERC – Western Laydown Yard	Description	Minimal construction activities in the Western laydown yard included ingress/egress (foot traffic), facing northwest. All construction materials/equipment has been removed.
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Photo 10



Location	Gas pipeline at Dale Avenue entrance (Eastern Parcel)	Description	Ongoing construction activities associated with the gas pipeline at the Dale Avenue entrance of the East parcel, facing south.
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Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 11, 2020		Cara Snellen		0930-1030
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
67-71	3-5	0.0 in.	Good (10 mi.)	Cloudy/overcast to partly cloudy

Location(s) of Work Site Activities Monitored

Checked for potential bird/wildlife/Project interactions and compliance with COCs in vicinity of nest buffers in/near the SERC site and the SERC amendment area. Nests are located in the SERC Eastern Parcel, in/near Parcel B, and near Parcel C/West Laydown Yard.

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – Active mourning dove (*Zenaida macroura*; MODO) nest located on a beam ledge under the southeast corner of the air compressor awning between Units 1 and 2 in the Eastern Parcel, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack)** – Active mourning dove nest located on a metal plate that connects a vertical beam to the overhead wire rack just east of the GSU in the East parcel, approximately 20 feet above the ground. A no-disturbance buffer has been established around the four vertical beams below the nest with flagging and signage.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – Active mourning dove nest located under the northwest corner of the trash enclosure awning at the Dale Avenue entrance of the East parcel, approximately 8 feet above the ground. A no-disturbance buffer has been established around the nest (as accessible) with flagging and signage.
- **HOFI nest (#6) in Parcel B** – Active house finch (*Haemorhous mexicanus*; HOFI) nest located on a beam ledge in the underside of the northwest corner of the warehouse awning in Parcel B, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **HOSP nest (#7) in Parcel B** – Active house sparrow (*Passer domesticus*; HOSP) nest located in the north corner of the equipment door track enclosure on the west side of the Parcel B warehouse, approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the Migratory Bird Treaty Act (MBTA).
- **MODO nest (#8) north of Parcel B** – Active mourning dove nest located on a beam ledge under the west edge of the north warehouse C awning, approximately 75 feet north of Parcel B. The nest is approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **NOMO nest (#9) southeast of Parcel C** – Active Northern mockingbird (*Mimus polyglottos*; NOMO) nest located in an avocado tree located approximately 95 feet southwest of Parcel C and 15 feet east of the West Laydown Yard. The nest is approximately 4 feet above the ground. No buffer has been established as it is located outside the work area and behind a chain-link fence.
- **HOSP nest (#3) east of Parcel C** – Active house sparrow nest located inside wire insulator directly west of a utility pole, approximately 75 feet east of the southeast corner of Parcel C and north adjacent to the West laydown Yard. The nest is approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the MBTA.

SERC Site:

Eastern Parcel – Ongoing activities included ingress/egress around nest buffers; work inside Unit 1; control room operations; concrete work at Dale Avenue entrance; lighting work at north fence; gas pipeline work; clean-up (ARB).

West Laydown Yard – Ongoing activities included ingress/egress (foot traffic).

SERC Amendment Area:

Parcel B – No SERC activities during monitoring period. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Ongoing activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations

Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.

Special-Status Species Observed:

- None

Nesting Bird Observations:

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – One mourning dove nest was observed sitting in the nest. No adults were observed in the vicinity. The chick was not disturbed by the presence of the biologist or by nearby construction activities.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack)** – Adult mourning dove was observed sitting on the nest in incubation position. A second adult was perched nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – Adult mourning dove was observed sitting on the nest in incubation position. A second adult was perched nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities.
- **HOFI nest (#6) in Parcel B** – No adults were observed in the area. Chick were not visible in the nest. Nest is presumed still active.
- **HOSP nest (#7) in Parcel B** – No nesting activity was observed at the nest. No house sparrows were observed in the vicinity. Based on this and previous observations, the nest has successfully fledged and is no longer active.
- **MODO nest (#8) north of Parcel B** – Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby activities.
- **NOMO nest (#9) southeast of Parcel C** – An adult Northern mockingbird was observed moving throughout the area and foraging in nearby vegetation. The bird did not enter the nest tree. The adult was not disturbed by the presence of the biologist or by nearby construction activities.
- **HOSP nest (#3) east of Parcel C** – No nesting activity was observed at the nest. No house sparrows were observed in the vicinity. Based on this and previous observations, the nest has successfully fledged and is no longer active..

Other Biological Resources Observations:

- None

Other Observations/Comments:

- None

Items Requiring Action/Follow-up

- No Items requiring follow-up. Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: mourning dove, house finch, house sparrow, Northern mockingbird, Eurasian collared dove (*Streptopelia decaocto*), rock pigeon (*Columba livia*), barn swallow (*Hirundo rustica*), killdeer (*Charadrius vociferus*), Allen's hummingbird (*Selasphorus sasin*), European starling (*Sturnus vulgaris*), Cassin's kingbird (*Tyrannus vociferans*), red-tailed hawk (*Buteo jamaicensis*)

Photo 1



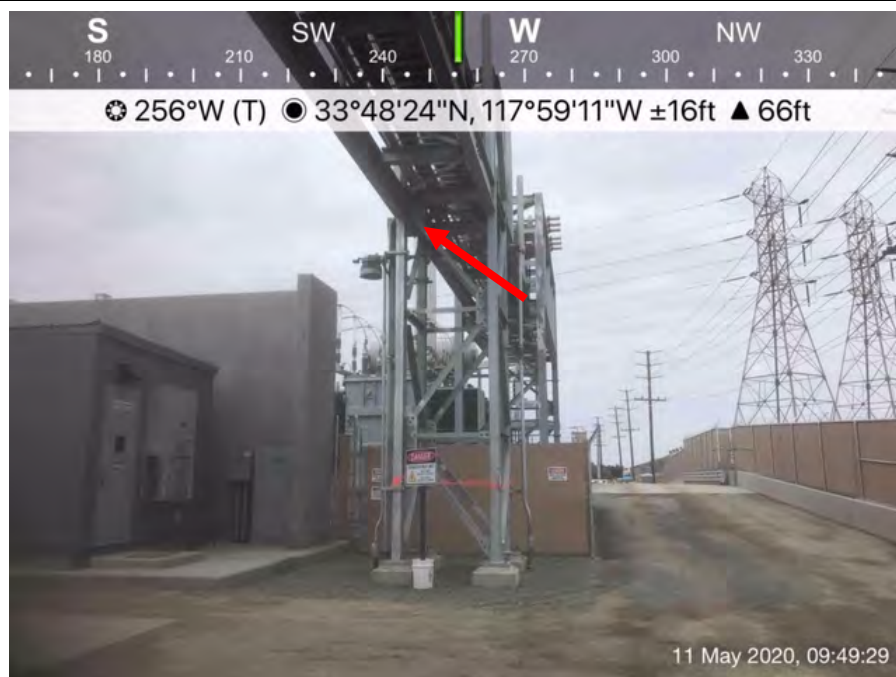
Location

SERC – Eastern Parcel

Description

One mourning dove chick sitting low on the nest (MODO East #1), facing east. Construction activities near the nest buffer included foot traffic and work inside Unit 1. The chick showed no signs of disturbance.

Photo 2



Location

SERC – Eastern Parcel

Description

Overview of the nest located in the GSU overhead rack (MODO East #2), facing west. Construction activities near the nest buffer included ingress/egress. An adult mourning dove was sitting low on the nest in incubation position and showed no signs of disturbance.

Photo 3



Location	SERC – Eastern Parcel	Description	Overview of the nest located in the Dale Avenue entrance trash enclosure (MOD0 East #3), facing southwest. Construction activities near the nest buffer included concrete work along the entrance driveway and lighting work at the fence. An adult mourning dove was sitting low on the nest in incubation position and showed no signs of disturbance.
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Photo 4



Location	SERC – Parcel B of the Amendment Area	Description	Overview of Nest #6 location (house finch), facing southeast. No SERC construction activities were occurring during the observation period. Non-SERC activities included foot/equipment traffic; loading and movement of materials, and parking below the nest. No nesting activity was observed.
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Photo 5



Location	SERC – Parcel B of the Amendment Area	Description	Overview of Nest #8 location (mourning dove), facing northeast. An adult was observed sitting low on the nest. No SERC construction activities were occurring during the observation period. Non-SERC activities included foot/equipment traffic; loading and movement of materials.
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Stanton Energy Reliability Center (SERC)
BIOLOGICAL RESOURCES
COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 12, 2020		Cara Snellen		0900-1100
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
65-70	2-5	0.0 in.	Good (10 mi.)	Overcast/cloudy to partly cloudy

Location(s) of Work Site Activities Monitored

Checked all locations for potential bird/wildlife/Project interactions and compliance with COCs; completed nest updates for all nests present in SERC site and amendment area.

SERC Site:

Western Parcel – Ongoing activities related to above-ground infrastructure; earth contouring; pipe/duct fabrication; movement of materials/equipment.

Eastern Parcel – Ongoing activities included control room operations; work in Unit 1 and 2; concrete work at Dale Avenue entrance; truck ingress/egress (deliveries); demobilization of materials and clean-up (ARB).

Western Laydown (SCE West parcel) – Activities included parking; foot traffic.

Eastern Laydown (SCE East parcel) – Activities included parking; demobilization of equipment/materials and clean-up (ARB).

Gas Pipeline – Ongoing activities related to gas pipeline infrastructure at Dale Avenue entrance; pipeline testing.

Church Parking Lot – No SERC-related activities.

SERC Amendment Area:

Parcel A – Activities included parking.

Parcel B – Activities included material inventory/movement in warehouse C. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations

Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.

Special-Status Species Observed:

- None

Nesting Bird Observations:

- **MODO nest #1 in Eastern Parcel (air compressor awning)** –Two adult mourning doves (*Zenaida macroura*) were observed perched in various locations and inspecting the nest site. No chicks were observed in or near the nest; nest appeared disturbed. Status is unknown at this time. The adults were not disturbed by the presence of the biologist or by nearby construction activities.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack)** –A chick was observed sitting low in the nest. No adults were present in the area. The chick was not disturbed by the presence of the biologist or by nearby construction activities.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** –Adult mourning dove was observed sitting on the nest in incubation position. A second adult was observed perched nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities.
- **HOFI nest (#6) in Parcel B** – No activity was observed. Chicks were not visible in the nest although bird droppings were present below the nest.
- **MODO nest (#8) north of Parcel B** – Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby activities.

- **NOMO nest (#9) southeast of Parcel C** – An adult Northern mockingbird (*Mimus polyglottos*) was observed moving throughout the area, but did not enter the nest tree. The tree branches appear to have been cut back just around the nest site and the nest is now exposed. No eggs or chicks were observed in or near the nest. Status is unknown at this time. The adult was not disturbed by the presence of the biologist or by nearby construction activities.

Other Biological Resources Observations:

- None

Other Observations/Comments:

- None

Items Requiring Action/Follow-up

- No Items requiring follow-up. Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: mourning dove, house sparrow (*Passer domesticus*), Northern mockingbird, house finch (*Haemorrhous mexicanus*), Eurasian collared dove (*Streptopelia decaocto*), rock pigeon (*Columba livia*), killdeer (*Charadrius vociferus*), barn swallow (*Hirundo rustica*), common raven (*Corvus corax*), European starling (*Sturnus vulgaris*)

Photo 1



Location	SERC – Western Parcel	Description	Overview of construction activities associated with the above-ground infrastructure for the battery storage in the West parcel, facing southwest.
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Photo 2



Location	SERC – Western Parcel	Description	Pipe/duct fabrication in the West parcel, facing east.
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Photo 3



Location	SERC – Eastern Parcel	Description	Location of mourning dove nest (MOD0 East #3) in the northwest corner of the trash enclosure at the Dale Avenue entrance of the East parcel, facing east. An adult was sitting on the nest in incubation position and a second adult was perched nearby. Nearby construction activities included concrete work at the Dale Avenue entrance.
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Photo 4



Location	SERC – Eastern Parcel	Description	Construction activities in Unit 1 of the East parcel, facing south.
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Photo 5



Location

SERC – Eastern Parcel

Description

Overview of the GSU, access road, and canal bridge in the East parcel, facing west. Mourning dove nest (MODO East #2) is located in the GSU overhead rack. A chick was sitting low in the nest; no adults were present in the area. Nearby construction activities included truck ingress/egress along the north access road.

Photo 6



Location

SERC – Eastern Parcel

Description

Location of mourning dove nest (MODO East #1) and associated buffer in the air compressor awning of the East parcel, facing southwest.

Photo 7



Location	SERC – Eastern Parcel	Description	Adult mourning doves were observed moving around the vicinity of the nest (MOD0 East #1). However, the chick was not observed and the status of the nest is unknown.
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Photo 8



Location	SERC – Eastern Laydown Yard	Description	Demobilization of materials and clean-up (ARB) in the East laydown yard, facing northeast.
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Photo 9



Location	SERC – Western Laydown Yard	Description	Minimal construction activities in the Western laydown yard included foot traffic and parking, facing northeast. All construction materials/equipment have been removed.
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Photo 10



Location	Gas pipeline at Dale Avenue entrance (Eastern Parcel)	Description	Ongoing construction activities associated with the gas pipeline at the Dale Avenue entrance of the East parcel, facing east.
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Photo 11



Location

SERC Amendment Area –
Parcel B

Description

Location of mourning dove nest (MODO #8) in the northwest corner of the warehouse C awning north of Parcel B, facing southeast. An adult was sitting on the nest in incubation position. Both SERC and non-SERC activities were occurring in the area.

Photo 12



Location

SERC Amendment Area –
Parcel B

Description

No nesting activity was observed at Nest #6 (house finch), facing southeast. Both SERC and non-SERC activities were occurring in the area.

Photo 13



Location	Parcel C/Western Laydown Yard	Description	Location of Nest #9 (Northern mockingbird) adjacent to the Western laydown yard, facing north. The branches of the nest tree appear to have been cut back just around the nest site and the nest is now exposed. No eggs or chicks were observed in or near the nest. An adult was observed moving throughout the area, but did not enter the nest tree.
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Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 13, 2020		Cara Snellen		0930-1030
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
65-68	2-3	0.0 in.	Good (10 mi.)	Partly cloudy

Location(s) of Work Site Activities Monitored

Checked for potential bird/wildlife/Project interactions and compliance with COCs in vicinity of nest buffers in/near the SERC site and the SERC amendment area. Nests are located in the SERC Eastern Parcel, in/near Parcel B, and near Parcel C/West Laydown Yard.

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – Active mourning dove (*Zenaida macroura*; MODO) nest located on a beam ledge under the southeast corner of the air compressor awning between Units 1 and 2 in the Eastern Parcel, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack)** – Active mourning dove nest located on a metal plate that connects a vertical beam to the overhead wire rack just east of the GSU in the East parcel, approximately 20 feet above the ground. A no-disturbance buffer has been established around the four vertical beams below the nest with flagging and signage.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – Active mourning dove nest located under the northwest corner of the trash enclosure awning at the Dale Avenue entrance of the East parcel, approximately 8 feet above the ground. A no-disturbance buffer has been established around the nest (as accessible) with flagging and signage.
- **HOFI nest (#6) in Parcel B** – Active house finch (*Haemorhous mexicanus*; HOFI) nest located on a beam ledge in the underside of the northwest corner of the warehouse awning in Parcel B, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **HOSP nest (#7) in Parcel B** – Active house sparrow (*Passer domesticus*; HOSP) nest located in the north corner of the equipment door track enclosure on the west side of the Parcel B warehouse, approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the Migratory Bird Treaty Act (MBTA).
- **MODO nest (#8) north of Parcel B** – Active mourning dove nest located on a beam ledge under the west edge of the north warehouse C awning, approximately 75 feet north of Parcel B. The nest is approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **NOMO nest (#9) southeast of Parcel C** – Active Northern mockingbird (*Mimus polyglottos*; NOMO) nest located in an avocado tree located approximately 95 feet southwest of Parcel C and 15 feet east of the West Laydown Yard. The nest is approximately 4 feet above the ground. No buffer has been established as it is located outside the work area and behind a chain-link fence.
- **HOSP nest (#3) east of Parcel C** – Active house sparrow nest located inside wire insulator directly west of a utility pole, approximately 75 feet east of the southeast corner of Parcel C and north adjacent to the West laydown Yard. The nest is approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the MBTA.

SERC Site:

Eastern Parcel – Ongoing activities included foot traffic around nest buffers; work inside Unit 1; control room operations; gas pipeline work; earth contouring at the Dale Avenue driveway entrance; truck ingress/egress; demobilization and clean-up (ARB).

West Laydown Yard – Ongoing activities included foot traffic.

SERC Amendment Area:

Parcel B – SERC activities included foot traffic in and around warehouse C. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Ongoing activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations

Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.

Special-Status Species Observed:

- None

Nesting Bird Observations:

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – No adult mourning doves were observed in the area. No chicks were visible in or near the nest. Status of the nest is unknown at this time
- **MODO nest #2 in Eastern Parcel (GSU overhead rack)** – Adult mourning dove was observed sitting on the nest with at least one chick. A second adult was perched nearby. The birds were not disturbed by the presence of the biologist or by nearby construction activities.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – Adult mourning dove was observed sitting on the nest in incubation position. A second adult was perched nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities.
- **HOFI nest (#6) in Parcel B** – No adults were observed in the area. Chick were not visible in the nest. Nest is presumed still active.
- **HOSP nest (#7) in Parcel B** – A adult male house sparrow was observed entering and exiting the nest cavity. The nest is now considered active again.
- **MODO nest (#8) north of Parcel B** – Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby activities.
- **NOMO nest (#9) southeast of Parcel C** – An adult Northern mockingbird was observed moving throughout the area and foraging in nearby vegetation. The bird did not enter the nest tree. No activity was observed at the exposed nest and the status is unknown at this time. The adult was not disturbed by the presence of the biologist or by nearby construction activities.
- **HOSP nest (#3) east of Parcel C** – An adult male and female house sparrow were observed copulating next to the nest. The female then entered the nest cavity. The nest is now considered active again.

Other Biological Resources Observations:

- None

Other Observations/Comments:

- None

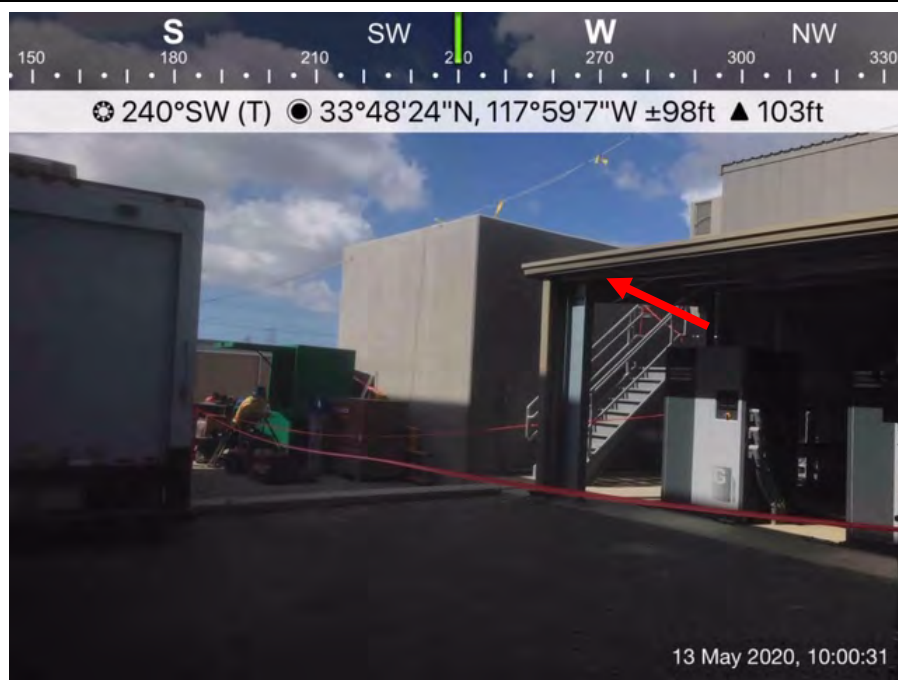
Items Requiring Action/Follow-up

- No Items requiring follow-up. Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: mourning dove, house finch, house sparrow, Northern mockingbird, Eurasian collared dove (*Streptopelia decaocto*), rock pigeon (*Columba livia*), red-tailed hawk (*Buteo jamaicensis*), American crow (*Corvus brachyrhynchos*), lesser goldfinch (*Spinus psaltria*)

Photo 1



Location

SERC – Eastern Parcel

Description

No adults or chicks were observed in or near the nest (MODO East #1) located in the air compressor awning of the East parcel, facing southwest. Construction activities near the nest buffer included foot traffic; demobilization of materials (pictured), and work inside Unit 1.

Photo 2



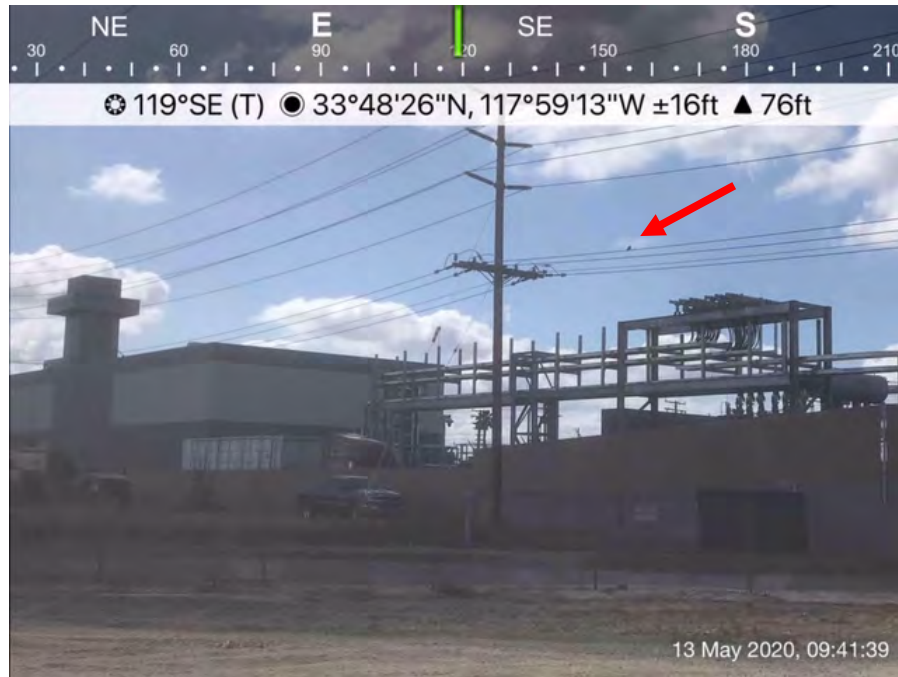
Location

SERC – Eastern Parcel

Description

An adult and one chick were observed sitting in the nest (MODO East #2) located in the GSU overhead rack, facing west.

Photo 3



Location

SERC – Eastern Parcel

Description

Overview of the nest located in the GSU overhead rack (MOD0 East #2), facing southeast. Construction activities near the nest buffer included truck traffic (pictured). An adult mourning dove was observed perched nearby.

Photo 4



Location

SERC – Parcel B of the
Amendment Area

Description

Overview of the nest located in the Dale Avenue entrance trash enclosure (MOD0 East #3), facing southwest. Construction activities near the nest buffer included earth contouring of the driveway entrance behind the enclosure. An adult mourning dove was sitting low on the nest in incubation position and showed no signs of disturbance.

Photo 5



Location

SERC – Parcel B of the
Amendment Area

Description

Overview of Nest #8 location (mourning dove), facing northeast. An adult was observed sitting low on the nest. SERC construction activities included foot traffic in/out of warehouse C. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Photo 6



Location

SERC – Parcel B of the
Amendment Area

Description

Overview of Nest #6 location (house finch), facing northeast. No nesting activity was observed.

Stanton Energy Reliability Center (SERC)
BIOLOGICAL RESOURCES
COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 14, 2020		Cara Snellen		0830-1030
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
66-70	1-2	0.0 in.	Good (10 mi.)	Partly cloudy to clear

Location(s) of Work Site Activities Monitored

Checked all locations for potential bird/wildlife/Project interactions and compliance with COCs; completed nest updates for all nests present in SERC site and amendment area.

SERC Site:

Western Parcel – Ongoing activities related to above-ground infrastructure; minor excavation; pipe/duct fabrication; delivery and movement of materials/equipment.

Eastern Parcel – Ongoing activities included control room operations; work in Unit 1 and 2; fence work at Dale Avenue entrance; truck ingress/egress (deliveries); demobilization of materials and clean-up (ARB).

Western Laydown (SCE West parcel) – Activities included parking; foot traffic.

Eastern Laydown (SCE East parcel) – Activities included parking; demobilization of equipment/materials and clean-up (ARB).

Gas Pipeline – Ongoing activities related to gas pipeline infrastructure at Dale Avenue entrance.

Church Parking Lot – No SERC-related activities.

SERC Amendment Area:

Parcel A – Activities included parking.

Parcel B – Activities included material inventory/movement in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations

Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.

Special-Status Species Observed:

- None

Nesting Bird Observations:

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – No adult mourning doves were observed in the area. No chicks were visible in or near the nest. Status of the nest is unknown at this time.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack)** – A chick was observed sitting low in the nest. No adults were present in the area. The chick was not disturbed by the presence of the biologist or by nearby construction activities.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – Adult mourning dove was observed sitting on the nest in incubation position. A second adult was observed perched nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities.
- **HOFI nest (#6) in Parcel B** – No activity was observed. Chicks were not visible in the nest. Status of the nest is unknown at this time.
- **HOSP nest (#7) in Parcel B** – A adult male house sparrow (*Passer domesticus*) was observed entering and exiting the nest cavity. The bird was not disturbed by the presence of the biologist or by nearby construction activities.
- **MODO nest (#8) north of Parcel B** – Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed in the vicinity. The adult was not disturbed by the presence of the biologist or by nearby activities.

- **NOMO nest (#9) southeast of Parcel C** – An adult Northern mockingbird (*Mimus polyglottos*) was observed moving throughout the area and foraging, but did not enter the nest tree. Based on recent observations, this nest has failed (non-project) and is now inactive.
- **HOSP nest (#3) east of Parcel C** – No birds or nesting activity was observed.

Other Biological Resources Observations:

- None

Other Observations/Comments:

- None

Items Requiring Action/Follow-up

- No Items requiring follow-up. Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: mourning dove, house sparrow, Northern mockingbird, house finch (*Haemorhous mexicanus*), Eurasian collared dove (*Streptopelia decaocto*), rock pigeon (*Columba livia*), killdeer (*Charadrius vociferus*), barn swallow (*Hirundo rustica*), European starling (*Sturnus vulgaris*), red-tailed hawk (*Buteo jamaicensis*)

Photo 1



Location	SERC – Western Parcel	Description	Overview of construction activities associated with the above-ground infrastructure for the battery storage in the West parcel, facing west.
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Photo 2



Location	SERC – Western Parcel	Description	Excavation activities in the West parcel, facing southeast.
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Photo 3



Location	SERC – Eastern Parcel	Description	Location of mourning dove nest (MODO East #3) in the northwest corner of the trash enclosure at the Dale Avenue entrance of the East parcel, facing southwest. An adult was sitting on the nest in incubation position and a second adult was perched nearby. Nearby construction activities included parking and fence work at the Dale Avenue entrance.
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Photo 4



Location	Gas pipeline at Dale Avenue entrance (Eastern Parcel)	Description	Ongoing construction activities associated with the gas pipeline at the Dale Avenue entrance of the East parcel, facing southeast.
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Photo 5



Location	SERC – Eastern Laydown Yard	Description	Demobilization of materials and clean-up (ARB) in the East laydown yard, facing west.
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Photo 6



Location	SERC Amendment Area – Parcel B	Description	Overview, from left to right, of Nest #6 (house finch) and Nest #7 (house sparrow), facing southeast. No nesting activity was observed at Nest #6. An adult male was observed entering/exiting Nest #7. Both SERC and non-SERC activities were occurring in the area.
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Photo 7



Location	SERC Amendment Area – Parcel B	Description	Location of mourning dove nest (MODO #8) in the northwest corner of the warehouse C awning north of Parcel B, facing south. An adult was sitting on the nest in incubation position. Both SERC and non-SERC activities were occurring in the area.
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Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 15, 2020		Cara Snellen		0830-1000
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
65-71	2-3	0.0 in.	Good (10 mi.)	Partly cloudy

Location(s) of Work Site Activities Monitored

Checked for potential bird/wildlife/Project interactions and compliance with COCs in vicinity of nest buffers in/near the SERC site and the SERC amendment area. Nests are located in the SERC Eastern Parcel, in/near Parcel B, and near Parcel C/West Laydown Yard.

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – Active mourning dove (*Zenaida macroura*; MODO) nest located on a beam ledge under the southeast corner of the air compressor awning between Units 1 and 2 in the Eastern Parcel, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack)** – Active mourning dove nest located on a metal plate that connects a vertical beam to the overhead wire rack just east of the GSU in the East parcel, approximately 20 feet above the ground. A no-disturbance buffer has been established around the four vertical beams below the nest with flagging and signage.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – Active mourning dove nest located under the northwest corner of the trash enclosure awning at the Dale Avenue entrance of the East parcel, approximately 8 feet above the ground. A no-disturbance buffer has been established around the nest (as accessible) with flagging and signage.
- **HOFI nest (#6) in Parcel B** – Active house finch (*Haemorhous mexicanus*; HOFI) nest located on a beam ledge in the underside of the northwest corner of the warehouse awning in Parcel B, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **HOSP nest (#7) in Parcel B** – Active house sparrow (*Passer domesticus*; HOSP) nest located in the north corner of the equipment door track enclosure on the west side of the Parcel B warehouse, approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the Migratory Bird Treaty Act (MBTA).
- **MODO nest (#8) north of Parcel B** – Active mourning dove nest located on a beam ledge under the west edge of the north warehouse C awning, approximately 75 feet north of Parcel B. The nest is approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **HOSP nest (#3) east of Parcel C** – Active house sparrow nest located inside wire insulator directly west of a utility pole, approximately 75 feet east of the southeast corner of Parcel C and north adjacent to the West laydown Yard. The nest is approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the MBTA.

SERC Site:

Eastern Parcel – Ongoing activities included ingress/egress around nest buffers; work inside Unit 1 and 2; control room operations; gate installation at Dale Avenue entrance; gas pipeline work; infrastructure lighting installation; truck traffic; clean-up (ARB).

West Laydown Yard – Ongoing activities included parking, foot traffic.

SERC Amendment Area:

Parcel B – No SERC activities during monitoring period. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Ongoing activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations
<p>Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.</p> <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> None <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> MODO nest #1 in Eastern Parcel (air compressor awning) –An adult mourning dove was observed sitting on the nest in incubation position. A second adult was observed nearby. Based on recent observations, the pair has laid another egg and the nest is again active. The adults were not disturbed by the presence of the biologist or by nearby construction activities. MODO nest #2 in Eastern Parcel (GSU overhead rack) – A mourning dove chick was observed sitting low in the nest. An adult was observed nearby. The chick and adult were not disturbed by the presence of the biologist or by nearby construction activities. MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure) – Adult mourning dove was observed sitting on the nest in incubation position. A second adult was perched nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities. HOFI nest (#6) in Parcel B – No house finches were observed in the area. Based on recent observations, the nest has successfully fledged and is no longer active. The nest was confirmed to be empty and removed. ESA signage and buffer also removed. HOSP nest (#7) in Parcel B – Both adult male and female house sparrows were observed entering and exiting the nest cavity. The adults were not disturbed by the presence of the biologist or by nearby activities. MODO nest (#8) north of Parcel B – A chick was observed sitting low in the nest and an adult entered the nest later during the monitoring period. The chick and adult were not disturbed by the presence of the biologist or by nearby activities. HOSP nest (#3) east of Parcel C – An adult male house sparrow was observed vocalizing next the nest. An adult female was observed perched nearby with begging juveniles. The birds were not disturbed by the presence of the biologist or by nearby construction activities. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> None <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> None
Items Requiring Action/Follow-up
<ul style="list-style-type: none"> No Items requiring follow-up. Monitoring of work will continue during Project construction activities.
Wildlife Species Observed:
<p>Birds: mourning dove, house finch, house sparrow, Northern mockingbird (<i>Mimus polyglottos</i>), Eurasian collared dove (<i>Streptopelia decaocto</i>), rock pigeon (<i>Columba livia</i>), barn swallow (<i>Hirundo rustica</i>), killdeer (<i>Charadrius vociferus</i>), Western gull (<i>Larus occidentalis</i>), turkey vulture (<i>Cathartes aura</i>)</p>

Photo 1



Location

SERC – Eastern Parcel

Description

An adult mourning dove sitting low on the nest (MODO East #1) in incubation position, facing southeast. Construction activities near the nest buffer included foot traffic and work inside Unit 1 and 2. The adult showed no signs of disturbance.

Photo 2



Location

SERC – Eastern Parcel

Description

Overview of the nest located in the GSU overhead rack (MODO East #2), facing west. Construction activities near the nest buffer included truck traffic. A mourning dove chick was sitting low on the nest and showed no signs of disturbance.

Photo 3



Location	SERC – Eastern Parcel	Description	Overview of the nest located in the Dale Avenue entrance trash enclosure (MOD0 East #3), facing southeast. Construction activities near the nest buffer included gate installation at the entrance driveway and lighting installation. An adult mourning dove was sitting low on the nest in incubation position and showed no signs of disturbance.
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Photo 4



Location	SERC – Parcel B of the Amendment Area	Description	Overview of Nest #8 location (mourning dove), facing northeast. A chick was observed sitting low on the nest and an adult eventually returned to the nest. No SERC construction activities were occurring during the observation period. Non-SERC activities included foot/equipment traffic; loading and movement of materials.
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Photo 5



Location	SERC – Parcel B of the Amendment Area	Description	No activity was observed at Nest #6 (house finch) and it had presumably fledged. The nest was inspected, confirmed empty, and removed.
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Photo 6



Location	SERC – Parcel B of the Amendment Area	Description	Overview of Nest #6 location (house finch), facing northeast. Following inactive status confirmation and nest removal, the ESA signage and buffer asphalt markings were removed.
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Stanton Energy Reliability Center (SERC)**BIOLOGICAL RESOURCES
COMPLIANCE MONITORING LOG**

Date		Monitor		Time (Begin-End)
May 18, 2020		Cara Snellen		0900-1015
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
65-68	1-2	0.0 in.	Good (10 mi.)	Cloudy/light rain

Location(s) of Work Site Activities Monitored

Checked for potential bird/wildlife/Project interactions and compliance with COCs in vicinity of nest buffers in/near the SERC site and the SERC amendment area. Nests are located in the SERC Eastern Parcel, in/near Parcel B, and near Parcel C/West Laydown Yard.

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – Active mourning dove (*Zenaida macroura*; MODO) nest located on a beam ledge under the southeast corner of the air compressor awning between Units 1 and 2 in the Eastern Parcel, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack)** – Active mourning dove nest located on a metal plate that connects a vertical beam to the overhead wire rack just east of the GSU in the East parcel, approximately 20 feet above the ground. A no-disturbance buffer has been established around the four vertical beams below the nest with flagging and signage.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – Active mourning dove nest located under the northwest corner of the trash enclosure awning at the Dale Avenue entrance of the East parcel, approximately 8 feet above the ground. A no-disturbance buffer has been established around the nest (as accessible) with flagging and signage.
- **HOSP nest (#7) in Parcel B** – Active house sparrow (*Passer domesticus*; HOSP) nest located in the north corner of the equipment door track enclosure on the west side of the Parcel B warehouse, approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the Migratory Bird Treaty Act (MBTA).
- **MODO nest (#8) north of Parcel B** – Active mourning dove nest located on a beam ledge under the west edge of the north warehouse C awning, approximately 75 feet north of Parcel B. The nest is approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **HOSP nest (#3) east of Parcel C** – Active house sparrow nest located inside wire insulator directly west of a utility pole, approximately 75 feet east of the southeast corner of Parcel C and north adjacent to the West laydown Yard. The nest is approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the MBTA.

SERC Site:

Eastern Parcel – Ongoing activities included ingress/egress around nest buffers; work inside Unit 1 and 2; control room operations; gas pipeline work; clean-up (ARB).

West Laydown Yard – Ongoing activities included parking, foot traffic.

SERC Amendment Area:

Parcel B – SERC construction activities during material inventory/movement in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Ongoing activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations
<p>Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.</p> <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> • None <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> • MODO nest #1 in Eastern Parcel (air compressor awning) –An adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed nearby. The adult was not disturbed by the presence of the biologist or by nearby construction activities. • MODO nest #2 in Eastern Parcel (GSU overhead rack) – Two mourning dove chicks were observed sitting low in the nest. No adults were observed nearby. The chicks were not disturbed by the presence of the biologist or by nearby construction activities. • MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure) – Adult mourning dove was observed sitting on the nest in incubation position. A second adult was perched nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities. • HOSP nest (#7) in Parcel B – No activity was observed and no house sparrows were present in the area. • MODO nest (#8) north of Parcel B – Two chicks were observed sitting low in the nest and an adult was observed nearby. The chicks and adult were not disturbed by the presence of the biologist or by nearby activities. • HOSP nest (#3) east of Parcel C – No activity was observed and no house sparrows were present in the area. • An active mourning dove nest (MODO East #4) was observed on a metal plate that connects a vertical beam to the lowest overhead wire rack (15 kV cable tray) located east of the GSU in the East parcel (see photos 5-6). The metal plate is the southwest vertical beam in a group of 4 beams located adjacent to the junction of the access roads near the point where the cable tray turns downward. The crew earlier observed an adult adding nesting material to the nest location and the nest appears complete. The nest location is approximately 20 feet above the ground and is partially concealed by the post and surrounding overhead rack infrastructure. No adults were present at the time of documentation. The nest could not be accessed to confirm the presence of egg(s) but is presumed active. No work will be conducted near the nest as the area is energized. The generator stored below the nest is not used in the area. Nearby construction activities in the area include foot traffic and truck ingress/egress on the access road. A no-disturbance buffer was established around the four vertical beams below the nest (approximately 4x4 feet) with flagging and signage. Coordinates: 33.80684896, -117.98636900. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> • None <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> • None
Items Requiring Action/Follow-up
<ul style="list-style-type: none"> • No Items requiring follow-up. Monitoring of work will continue during Project construction activities.
Wildlife Species Observed:
<p>Birds: mourning dove, house finch, Northern mockingbird (<i>Mimus polyglottos</i>), barn swallow (<i>Hirundo rustica</i>), killdeer (<i>Charadrius vociferus</i>), American kestrel (<i>Falco sparverius</i>)</p>

Photo 1



Location

SERC – Eastern Parcel

Description

An adult mourning dove sitting low on the nest (MOD0 East #1) in incubation position, facing east. Construction activities near the nest buffer included foot traffic and work inside Unit 1 and 2. The adult showed no signs of disturbance.

Photo 2



Location

SERC – Eastern Parcel

Description

Overview of the nest located in the GSU overhead rack west/south of the access roads (MOD0 East #2), facing west. Construction activities near the nest buffer included foot traffic. Two mourning dove chicks were sitting low on the nest and showed no signs of disturbance.

Photo 3



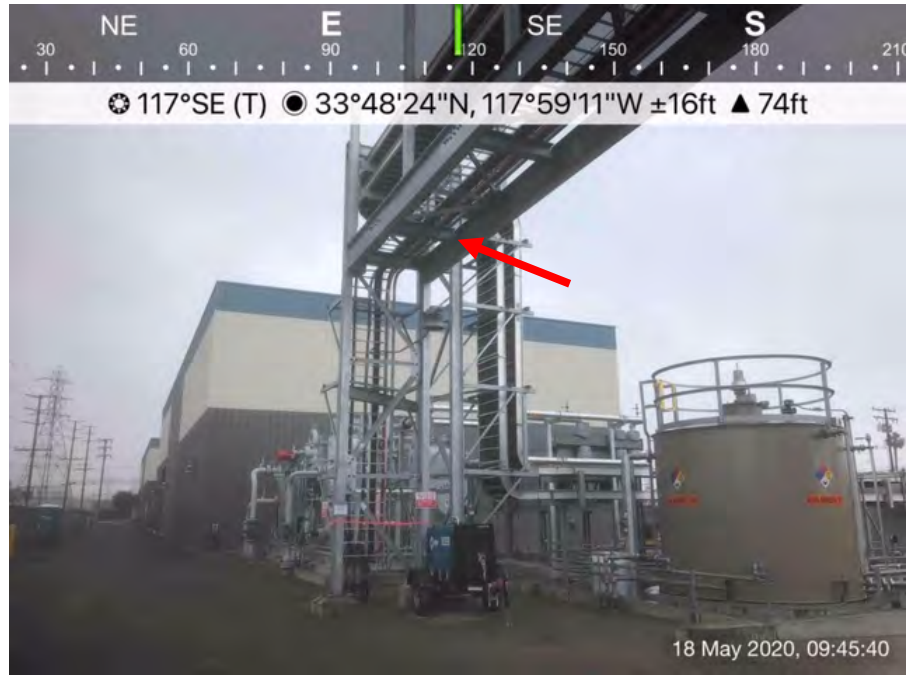
Location	SERC – Eastern Parcel	Description	Overview of the nest located in the Dale Avenue entrance trash enclosure (MOD0 East #3), facing southeast. Construction activities near the nest buffer included foot traffic and gas pipeline work south of the enclosure. An adult mourning dove was sitting low on the nest in incubation position and showed no signs of disturbance.
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Photo 4



Location	SERC – Parcel B of the Amendment Area	Description	Overview of Nest #8 location (mourning dove), facing northeast. Two chicks were observed sitting low on the nest and an adult was present nearby. SERC construction activities included material inventory/movement in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials.
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Photo 5



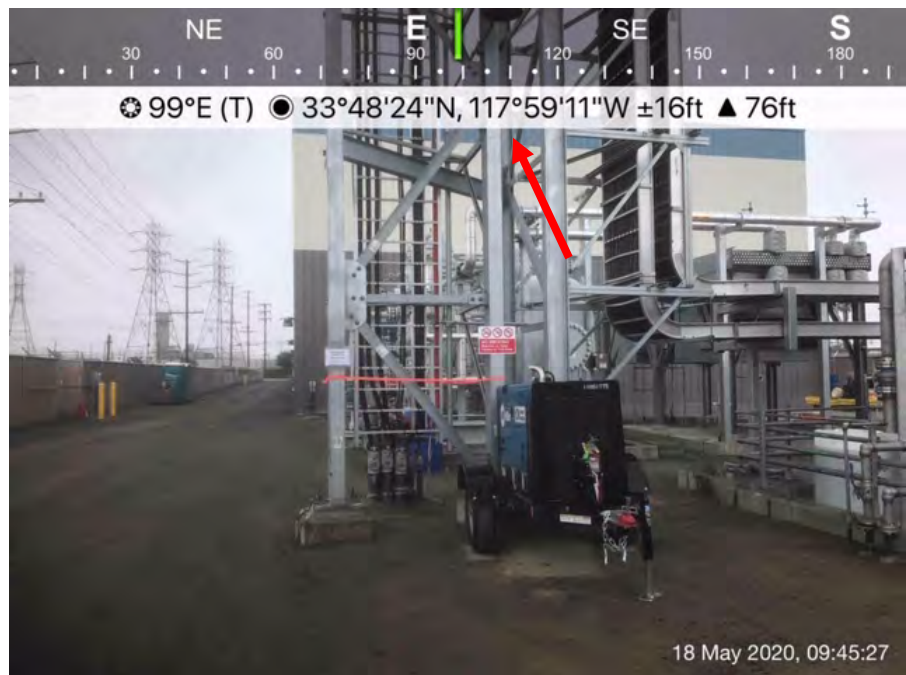
Location

SERC – Eastern Parcel

Description

Overview of the new mourning dove nest located in the GSU overhead rack east/south of the access roads (MOD0 East #4), facing southeast. Construction activities near the nest buffer included foot traffic. No adults were present in the area but the nest is complete and presumed active.

Photo 6



Location

SERC – Eastern Parcel

Description

A no-disturbance buffer was established below the new nest (MOD0 East #4) with flagging and signage (approximately 4x4 feet). The nest is approximately 20 feet above ground at the southwest vertical beam.

Stanton Energy Reliability Center (SERC)
BIOLOGICAL RESOURCES
COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 19, 2020		Cara Snellen		0830-1030
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
65-68	2-5	0.04 in (last 24 hrs.).	Good (10 mi.)	Partly cloudy

Location(s) of Work Site Activities Monitored

Checked all locations for potential bird/wildlife/Project interactions and compliance with COCs; completed nest updates for all nests present in SERC site and amendment area.

SERC Site:

Western Parcel – Ongoing activities related to above-ground infrastructure; concrete pouring; minor excavation; pipe/duct fabrication; delivery and movement of materials/equipment.

Eastern Parcel – Ongoing activities included control room operations; work in Unit 1 and 2; gate installation at Dale Avenue entrance; truck ingress/egress (deliveries); movement of materials by crane; foot traffic; demobilization of materials and clean-up (ARB).

Western Laydown (SCE West parcel) – Activities included concrete truck staging; foot traffic.

Eastern Laydown (SCE East parcel) – Activities included parking; demobilization of equipment/materials and clean-up (ARB).

Gas Pipeline – Ongoing activities related to gas pipeline infrastructure at Dale Avenue entrance.

Church Parking Lot – No SERC-related activities.

SERC Amendment Area:

Parcel A – Activities included parking.

Parcel B – Activities included material inventory/movement in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations

Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.

Special-Status Species Observed:

- None

Nesting Bird Observations:

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – An adult mourning dove (*Zenaida macroura*; MODO) was observed sitting on the nest in incubation position. No other mourning doves were observed nearby. The adult was not disturbed by the presence of the biologist or by nearby construction activities.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack-west)** – A fledgling mourning dove was observed perched near the nest. The second fledgling was not visible. No adults were present in the area. The fledgling was not disturbed by the presence of the biologist or by nearby construction activities.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – Adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed nearby. The adult was not disturbed by the presence of the biologist or by nearby construction activities.
- **HOSP nest (#7) in Parcel B** – A adult male house sparrow (*Passer domesticus*) was observed entering and exiting the nest cavity. The nest is presumed to be in the incubation stage. The bird was not disturbed by the presence of the biologist or by nearby construction activities.

- **MODO nest (#8) north of Parcel B** – Two fledgling mourning doves were observed perched near the nest. No adults were present in the area. The fledglings were not disturbed by the presence of the biologist or by nearby activities.
- **HOSP nest (#3) east of Parcel C** – An adult male house sparrow was observed perched next to the nest cavity. The male entered the nest; an adult female then exited the nest and flew away. The nest is presumed to be in the incubation stage. The adults were not disturbed by the presence of the biologist or by nearby activities.
- **MODO nest #4 in Eastern Parcel (GSU overhead rack-east)** –An adult mourning dove was observed sitting on the nest in incubation position. A second adult was observed making several trips to the nest with nesting material. The adults were not disturbed by the presence of the biologist or by nearby construction activities.
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Other Biological Resources Observations:

- None

Other Observations/Comments:

- None

Items Requiring Action/Follow-up

- No Items requiring follow-up. Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: mourning dove, house sparrow, Northern mockingbird (*Mimus polyglottos*), house finch (*Haemorhous mexicanus*), Eurasian collared dove (*Streptopelia decaocto*), rock pigeon (*Columba livia*), killdeer (*Charadrius vociferus*), European starling (*Sturnus vulgaris*), Western gull (*Larus occidentalis*), lesser goldfinch (*Spinus psaltria*)

Reptiles: side blotched lizard (*Uta stansburiana*)

Photo 1



Location

SERC – Western Parcel

Description

Overview of construction activities associated with the above-ground infrastructure for the battery storage in the West parcel, facing southeast.

Photo 2



Location

SERC – Western Parcel

Description

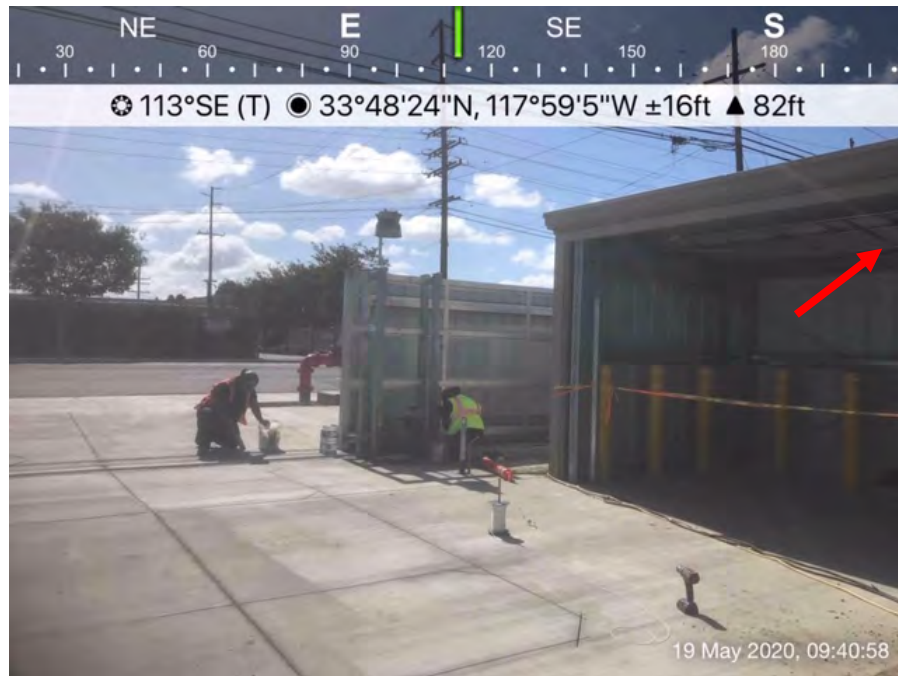
Concrete pouring in the West parcel, facing west.

Photo 3



Location	SERC – Eastern Parcel	Description	Movement of materials via crane near Unit 2 of the East parcel, facing north.
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Photo 4



Location	SERC – Eastern Parcel	Description	Ongoing construction activities associated gate installation at the Dale Avenue entrance of the East parcel, facing southeast. MODO East #3 nest is located in the trash enclosure on the right side of the photo. An adult was observed sitting on the nest and showed no signs of disturbance.
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Photo 5



Location

SERC – Eastern Parcel

Description

An adult mourning dove was observed sitting on the nest in incubation position at MODO East #1. Ongoing construction activities in the area included foot traffic and work inside Units 1 and 2. The adult showed no signs of disturbance.

Photo 6



Location

SERC – Eastern Parcel

Description

Location of MODO East #4 (left) and MODO East #2 (right) in the overhead rack near the GSU in the East parcel, facing south. Nearby construction activities included movement of materials via crane. The birds associated with the nests showed no signs of disturbance.

Photo 7



Location	Gas pipeline at Dale Avenue entrance (Eastern Parcel)	Description	Ongoing construction activities associated with the gas pipeline at the Dale Avenue entrance of the East parcel, facing east.
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Photo 8



Location	SERC – Eastern Laydown Yard	Description	Parking, demobilization of materials, and clean-up (ARB) in the East laydown yard, facing west.
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Photo 9



Location	SERC – Western Laydown Yard	Description	Staging of concrete trucks in the West laydown yard in support of concrete pouring activities in the West parcel, facing west.
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Photo 10



Location	SERC Amendment Area – Parcel B	Description	Overview of Nest #7 (house sparrow) above the north corner of the equipment doors of warehouse B, facing south. Both SERC and non-SERC activities were occurring in the area. An adult male was observed entering/exiting the nest cavity and showed no signs of disturbance.
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Photo 11



Location	SERC Amendment Area – Parcel B	Description	Two fledglings were perched near MODO #8 nest in the northwest corner of the warehouse C awning north of Parcel B, facing southwest. Both SERC and non-SERC activities were occurring in the area; the fledglings showed no signs of disturbance.
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Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 20, 2020		Cara Snellen		1100-1200
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
70-72	3-7	0.0 in.	Good (10 mi.)	Clear and sunny

Location(s) of Work Site Activities Monitored

Checked for potential bird/wildlife/Project interactions and compliance with COCs in vicinity of nest buffers in/near the SERC site and the SERC amendment area. Nests are located in the SERC Eastern Parcel, in/near Parcel B, and near Parcel C/West Laydown Yard.

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – Active mourning dove (*Zenaida macroura*; MODO) nest located on a beam ledge under the southeast corner of the air compressor awning between Units 1 and 2 in the Eastern Parcel, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack-west)** – Active mourning dove nest located on a metal plate that connects a vertical beam to the overhead wire rack just east of the GSU in the East parcel, approximately 20 feet above the ground. A no-disturbance buffer has been established around the four vertical beams below the nest with flagging and signage.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – Active mourning dove nest located under the northwest corner of the trash enclosure awning at the Dale Avenue entrance of the East parcel, approximately 8 feet above the ground. A no-disturbance buffer has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #4 in Eastern Parcel (GSU overhead rack-east)** – Active mourning dove nest located on a metal plate that connects a vertical beam to the lowest overhead wire rack (15 kV cable tray) near the point where the cable tray turns downward east of the GSU in the East parcel, approximately 20 feet above the ground. This nest is located approximately 20 feet east of MODO East #2 (across the access road) (see photos 5-6). A no-disturbance buffer has been established around the four vertical beams below the nest with flagging and signage. T
- **HOSP nest (#7) in Parcel B** – Active house sparrow (*Passer domesticus*; HOSP) nest located in the north corner of the equipment door track enclosure on the west side of the Parcel B warehouse, approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the Migratory Bird Treaty Act (MBTA).
- **MODO nest (#8) north of Parcel B** – Active mourning dove nest located on a beam ledge under the west edge of the north warehouse C awning, approximately 75 feet north of Parcel B. The nest is approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **HOSP nest (#3) east of Parcel C** – Active house sparrow nest located inside wire insulator directly west of a utility pole, approximately 75 feet east of the southeast corner of Parcel C and north adjacent to the West laydown Yard. The nest is approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the MBTA.

SERC Site:

Eastern Parcel – Ongoing activities included ingress/egress around nest buffers; work inside Unit 1 and 2; control room operations; gate installation at the Dale Avenue entrance, gas pipeline work; access road vehicle traffic; clean-up (ARB).

West Laydown Yard – Ongoing activities included foot traffic.

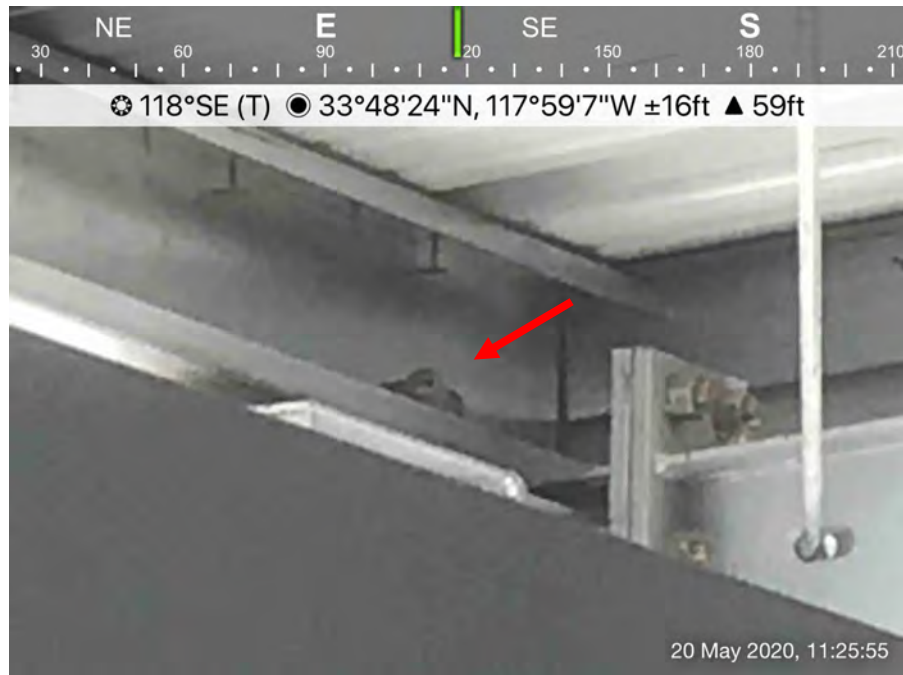
SERC Amendment Area:

Parcel B – SERC construction activities during material inventory/movement in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Ongoing activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations
<p>Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.</p> <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> None <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> MODO nest #1 in Eastern Parcel (air compressor awning) –An adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed nearby. The adult was not disturbed by the presence of the biologist or by nearby construction activities. MODO nest #2 in Eastern Parcel (GSU overhead rack-west) – No activity was observed at the nest. Several mourning doves were present in the area. MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure) – No mourning doves were observed in the nest; however, visibility is limited due the nest location and height. An adult was perched nearby. The adult was not disturbed by the presence of the biologist or by nearby construction activities. MODO nest #4 in Eastern Parcel (GSU overhead rack-west) – An adult mourning dove was observed in the nest but then left the area. HOSP nest (#7) in Parcel B – An adult house sparrow was observed exiting the nest cavity. MODO nest (#8) north of Parcel B – No activity was observed at the nest and no mourning doves were present in the area. HOSP nest (#3) east of Parcel C – An adult male house sparrow was observed entering the nest cavity. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> None <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> None
Items Requiring Action/Follow-up
<ul style="list-style-type: none"> No Items requiring follow-up. Monitoring of work will continue during Project construction activities.
Wildlife Species Observed:
<p>Birds: mourning dove, house finch, Northern mockingbird (<i>Mimus polyglottos</i>), house sparrow, killdeer (<i>Charadrius vociferus</i>), Eurasian collared dove (<i>Streptopelia decaocto</i>), rock pigeon (<i>Columba livia</i>), lesser goldfinch (<i>Spinus psaltria</i>), red-tailed hawk (<i>Buteo jamaicensis</i>)</p>

Photo 1



Location

SERC – Eastern Parcel

Description

An adult mourning dove sitting low on the nest (MOD0 East #1) in incubation position, facing southeast. Construction activities near the nest buffer included foot traffic and work inside Unit 1 and 2. The adult showed no signs of disturbance.

Photo 2



Location

SERC – Eastern Parcel

Description

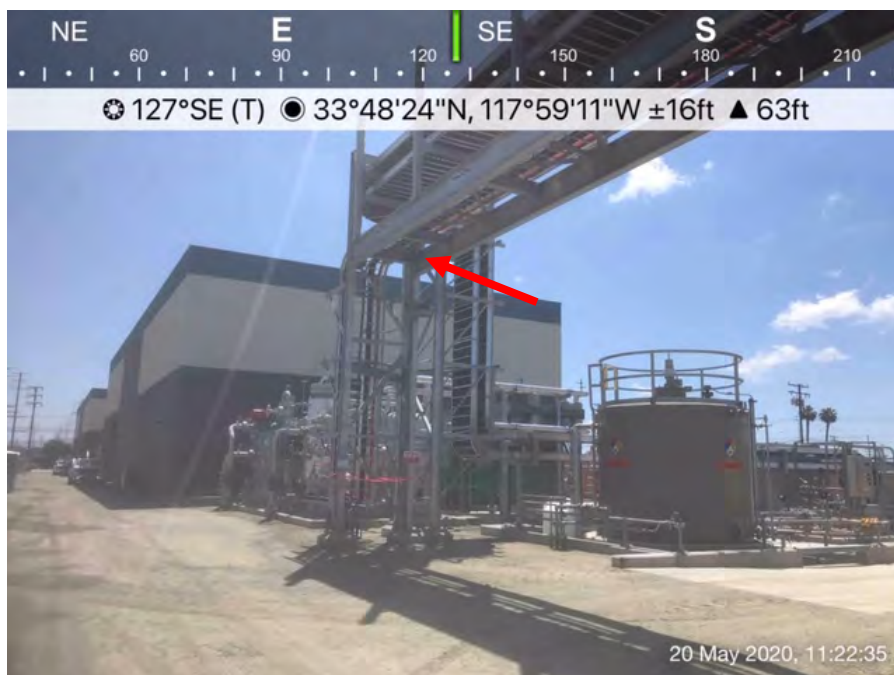
Overview of the nest located in the GSU overhead rack west/south of the access roads (MOD0 East #2), facing southwest. Construction activities near the nest buffer included foot/vehicle traffic. No birds or nesting activity was observed.

Photo 3



Location	SERC – Eastern Parcel	Description	Overview of the nest located in the Dale Avenue entrance trash enclosure (MOD0 East #3), facing southeast. Construction activities near the nest buffer included foot traffic, gate installation, and gas pipeline work south of the enclosure. No birds were visible in the nest but an adult mourning dove was perched nearby.
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Photo 4



Location	SERC – Eastern Parcel	Description	Overview of the nest located in the GSU overhead rack east/south of the access roads (MOD0 East #4), facing southeast. Construction activities near the nest buffer included foot/vehicle traffic. An adult was observed briefly in the nest but left the area.
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Photo 5



Location	SERC – Parcel B of the Amendment Area	Description	Overview of Nest #8 location (mourning dove), facing northeast. No mourning doves were observed in the area. SERC construction activities included material inventory/movement in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials.
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Photo 6



Location	SERC – Eastern Parcel	Description	Overview of Nest #7 location (house sparrow), facing northeast. An adult was observed exiting the nest cavity. SERC construction activities included material inventory/movement in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials.
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Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 21, 2020		Cara Snellen		0900-1045
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
70-75	2-5	0.0 in.	Good (10 mi.)	Clear and sunny

Location(s) of Work Site Activities Monitored

Checked for potential bird/wildlife/Project interactions and compliance with COCs in vicinity of nest buffers in/near the SERC site and the SERC amendment area. Nests are located in the SERC Eastern Parcel, in/near Parcel B, and near Parcel C/West Laydown Yard. Monitored work with in the MODO East #1 nest buffer.

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – Active mourning dove (*Zenaida macroura*; MODO) nest located on a beam ledge under the southeast corner of the air compressor awning between Units 1 and 2 in the Eastern Parcel, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack-west)** – Active mourning dove nest located on a metal plate that connects a vertical beam to the overhead wire rack just east of the GSU in the East parcel, approximately 20 feet above the ground. A no-disturbance buffer has been established around the four vertical beams below the nest with flagging and signage.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – Active mourning dove nest located under the northwest corner of the trash enclosure awning at the Dale Avenue entrance of the East parcel, approximately 8 feet above the ground. A no-disturbance buffer has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #4 in Eastern Parcel (GSU overhead rack-east)** – Active mourning dove nest located on a metal plate that connects a vertical beam to the lowest overhead wire rack (15 kV cable tray) near the point where the cable tray turns downward east of the GSU in the East parcel, approximately 20 feet above the ground. This nest is located approximately 20 feet east of MODO East #2 (across the access road) (see photos 5-6). A no-disturbance buffer has been established around the four vertical beams below the nest with flagging and signage. T
- **HOSP nest (#7) in Parcel B** – Active house sparrow (*Passer domesticus*; HOSP) nest located in the north corner of the equipment door track enclosure on the west side of the Parcel B warehouse, approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the Migratory Bird Treaty Act (MBTA).
- **MODO nest (#8) north of Parcel B** – Active mourning dove nest located on a beam ledge under the west edge of the north warehouse C awning, approximately 75 feet north of Parcel B. The nest is approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with asphalt marking and signage.
- **HOSP nest (#3) east of Parcel C** – Active house sparrow nest located inside wire insulator directly west of a utility pole, approximately 75 feet east of the southeast corner of Parcel C and north adjacent to the West laydown Yard. The nest is approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the MBTA.

SERC Site:

Eastern Parcel – Ongoing activities included ingress/egress around nest buffers; work inside Unit 1 and 2; control room operations; gate installation at the Dale Avenue entrance, gas pipeline work; access road vehicle traffic; clean-up (ARB).

West Laydown Yard – Ongoing activities included foot traffic.

SERC Amendment Area:

Parcel B – SERC construction activities during material inventory/movement in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Ongoing activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations

Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.

Special-Status Species Observed:

- None

Nesting Bird Observations:

- **MODO nest #1 in Eastern Parcel (air compressor awning)** –An adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed nearby. Work activities (testing, systems check of air compressors) were monitored within the nest buffer. The adult remained on the nest for the duration of the monitoring period (0955-1010). The adult was not disturbed by the presence of the biologist, work within the buffer, or by nearby construction activities.
- **MODO nest #2 in Eastern Parcel (GSU overhead rack-west)** – No activity was observed at the nest. Based on recent observations, this nest has successfully fledged and is no longer active. The no-disturbance buffer has been removed.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – No mourning doves were observed in the nest or in the immediate area. The nest currently contains 2 eggs. Given the absence of the adults, the nest status is unknown at this time.
- **MODO nest #4 in Eastern Parcel (GSU overhead rack-west)** – Two adult mourning doves were observed perched near the nest. One adult entered the nest with the second adult standing adjacent. Both adults remained for a few minutes and then left the area. The adults were not disturbed by the presence of the biologist or by nearby construction activities.
- **HOSP nest (#7) in Parcel B** – An adult male house sparrow was observed entering the nest cavity.
- **MODO nest (#8) north of Parcel B** – No activity was observed at the nest. Based on recent observations, this nest has successfully fledged and is no longer active. The nest was confirmed empty and removed. The no-disturbance buffer has been removed.
- **HOSP nest (#3) east of Parcel C** – An adult male house sparrow was observed perched next to the nest cavity and vocalizing.

Other Biological Resources Observations:

- None

Other Observations/Comments:

- None

Items Requiring Action/Follow-up

- No Items requiring follow-up. Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: mourning dove, house finch (*Haemorrhous mexicanus*), Northern mockingbird (*Mimus polyglottos*), house sparrow, killdeer (*Charadrius vociferus*), Eurasian collared dove (*Streptopelia decaocto*), rock pigeon (*Columba livia*), red-tailed hawk (*Buteo jamaicensis*), European starling (*Sturnus vulgaris*), American crow (*Corvus brachyrhynchos*), barn swallow (*Hirundo rustica*)

Photo 1



Location	SERC – Eastern Parcel	Description	An adult mourning dove sitting low on the nest (MODO East #1) in incubation position, facing southeast. Construction activities near the nest buffer included foot traffic and work inside Unit 1 and 2.
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Photo 2



Location	SERC – Eastern Parcel	Description	Monitored work on the air compressor units within the MODO East #1 nest buffer, facing west. The adult remained on the nest for the duration of the monitoring period and showed no signs of disturbance.
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Photo 3



Location	SERC – Eastern Parcel	Description	Overview of the MODO East #2 nest location in the GSU overhead rack west/south of the access roads, facing southwest. The nest has fledged and is no longer active. The no-disturbance buffer has been removed.
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Photo 4



Location	SERC – Eastern Parcel	Description	Overview of the nest located in the Dale Avenue entrance trash enclosure (MODO East #3), facing northeast. Construction activities near the nest buffer included foot traffic, gate installation, and gas pipeline work south of the enclosure. The nest contains 2 eggs but no adults were observed in the area.
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Photo 5



Location	SERC – Eastern Parcel	Description	Overview of the nest located in the GSU overhead rack east/south of the access roads (MOD0 East #4), facing southwest. Construction activities near the nest buffer included foot/vehicle traffic and systems checks. Two adults were observed briefly at the nest.
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Photo 6



Location	SERC – Parcel B of the Amendment Area	Description	Overview of Nest #8 location (mourning dove), facing northeast. SERC construction activities included material inventory/movement in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials. The nest has fledged and is no longer active. The nest and buffer have been removed.
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Stanton Energy Reliability Center (SERC)
BIOLOGICAL RESOURCES
COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 22, 2020		Cara Snellen		0800-1000
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
67-70	2-3	0.00 in.	Good (10 mi.)	Partly cloudy

Location(s) of Work Site Activities Monitored

Checked all locations for potential bird/wildlife/Project interactions and compliance with COCs; completed nest updates for all nests present in SERC site and amendment area.

SERC Site:

Western Parcel – Ongoing activities related to above-ground infrastructure; pipe/duct fabrication; delivery and movement of materials/equipment.

Eastern Parcel – Ongoing activities included control room operations; systems checks; work in Unit 1 and 2; vehicle ingress/egress on access road; foot traffic; demobilization of materials and clean-up (ARB).

Western Laydown (SCE West parcel) – Activities included foot traffic.

Eastern Laydown (SCE East parcel) – Activities included parking; demobilization of equipment/materials and clean-up (ARB).

Gas Pipeline – Ongoing activities related to gas pipeline infrastructure at Dale Avenue entrance.

Church Parking Lot – No SERC-related activities.

SERC Amendment Area:

Parcel A – Activities included parking.

Parcel B – Activities included material inventory/movement in warehouse B. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations

Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.

Special-Status Species Observed:

- None

Nesting Bird Observations:

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – An adult mourning dove (*Zenaida macroura*; MODO) was observed sitting on the nest in incubation position. No other mourning doves were observed nearby. The adult was not disturbed by the presence of the biologist or by nearby construction activities.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** – No nesting activity was observed and no adults were present in the area. The status of the nest is unknown at this time.
- **HOSP nest (#7) in Parcel B** – A adult male house sparrow (*Passer domesticus*) was observed entering and exiting the nest cavity. The nest is presumed to be in the incubation stage. The adult was not disturbed by the presence of the biologist or by nearby construction activities.
- **HOSP nest (#3) east of Parcel C** – An adult female house sparrow was observed entering the nest cavity. The nest is presumed to be in the incubation stage. The adult was not disturbed by the presence of the biologist or by nearby activities.
- **MODO nest #4 in Eastern Parcel (GSU overhead rack-east)** – No nesting activity was observed but two adults were perched nearby. The status of the nest is unknown at this time.

Other Biological Resources Observations:

- None

Other Observations/Comments:

- None

Items Requiring Action/Follow-up

- No Items requiring follow-up. Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: mourning dove, house sparrow, Northern mockingbird (*Mimus polyglottos*), house finch (*Haemorrhous mexicanus*), Eurasian collared dove (*Streptopelia decaocto*), rock pigeon (*Columba livia*), killdeer (*Charadrius vociferus*), lesser goldfinch (*Spinus psaltria*)

Photo 1



Location	SERC – Western Parcel	Description	Overview of construction activities associated with the above-ground infrastructure for the battery storage in the West parcel, facing southwest.
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Photo 2



Location	SERC – Western Parcel	Description	Duct/pipe fabrication activities in the West parcel, facing southeast.
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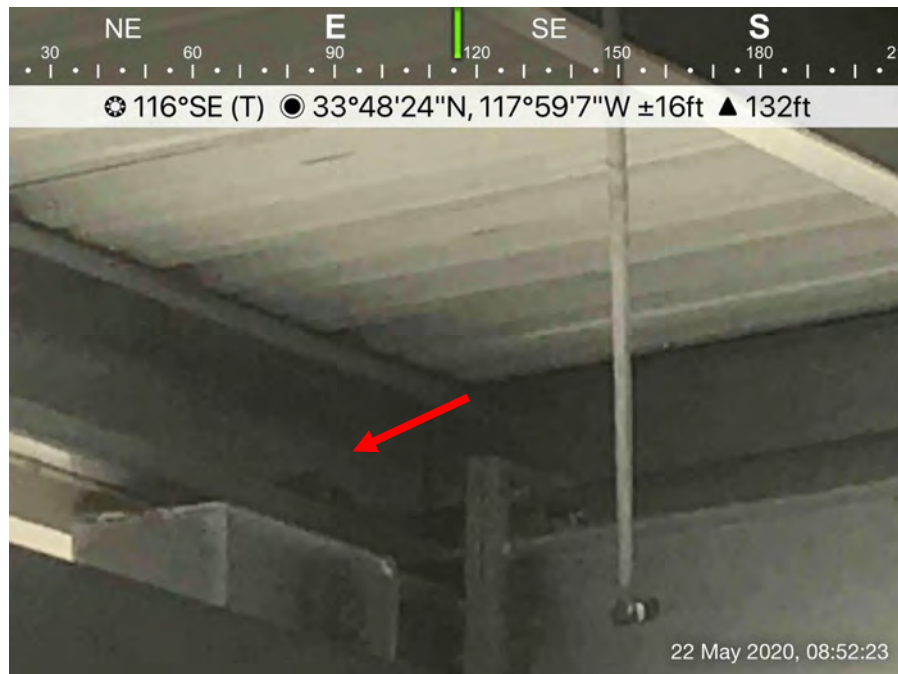
Photo 3



Location SERC – Eastern Parcel

Description Movement of materials in the East parcel, facing west.

Photo 4



Location SERC – Eastern Parcel

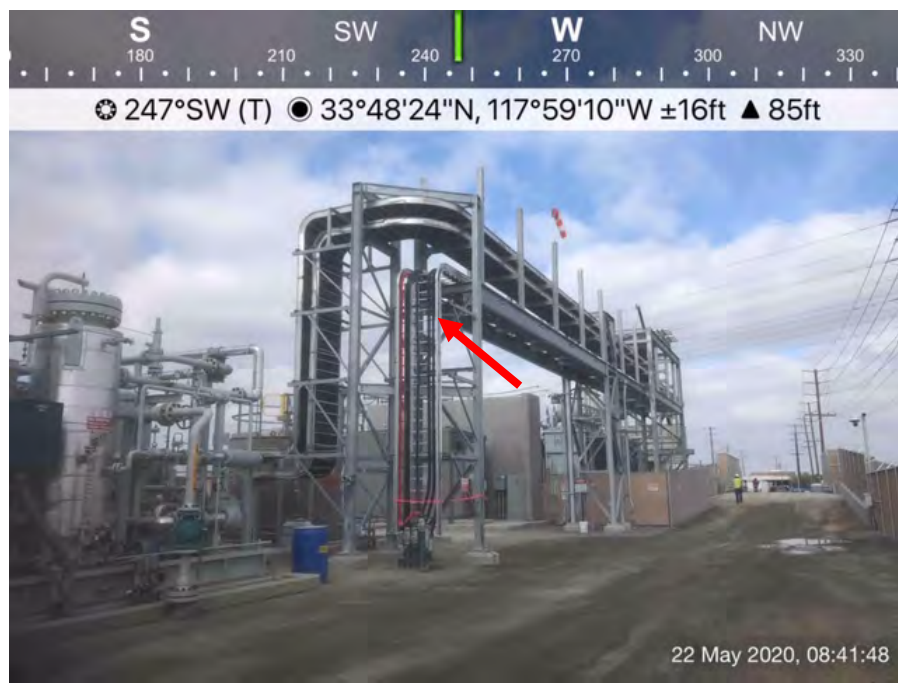
Description An adult mourning dove was observed sitting on the nest in incubation position at MODO East #1, facing southeast. Ongoing construction activities in the area included foot traffic, control room operations, and work inside Units 1 and 2. The adult showed no signs of disturbance.

Photo 5



Location	SERC – Eastern Parcel	Description	Overview of MODO East #3 nest location in the trash enclosure at the Dale Avenue entrance in the East parcel, facing southwest. No nesting activity was observed and no adults were present near the nest. Ongoing construction activities included gas pipeline work behind the enclosure..
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Photo 6



Location	SERC – Eastern Parcel	Description	Location of MODO East #4 in the overhead rack near the GSU in the East parcel, facing southwest. Nearby construction activities included foot traffic and systems checks. No nesting activity was observed but two adults were perched nearby.
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Photo 7



Location

Gas pipeline at Dale Avenue
entrance (Eastern Parcel)

Description

Ongoing construction activities associated with the gas pipeline at
the Dale Avenue entrance of the East parcel, facing southeast.

Photo 8



Location

SERC – Eastern Laydown
Yard

Description

Parking, demobilization of materials, and clean-up (ARB) in the East
laydown yard, facing southeast.

Photo 9



Location	SERC Amendment Area – Parcel B	Description	Overview of Nest #7 (house sparrow) above the north corner of the equipment doors of warehouse B, facing southeast. Both SERC and non-SERC activities were occurring in the area. An adult female was observed entering the nest cavity and showed no signs of disturbance.
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Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 26, 2020		Cara Snellen		1330-1430
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
77-79	3-7	0.0 in.	Good (10 mi.)	Clear and sunny

Location(s) of Work Site Activities Monitored

Checked for potential bird/wildlife/Project interactions and compliance with COCs in vicinity of nest buffers in/near the SERC site and the SERC amendment area. Nests are located in the SERC Eastern Parcel, in/near Parcel B, and near Parcel C/West Laydown Yard.

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – Active mourning dove (*Zenaida macroura*; MODO) nest located on a beam ledge under the southeast corner of the air compressor awning between Units 1 and 2 in the Eastern Parcel, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure)** –Active mourning dove nest located under the northwest corner of the trash enclosure awning at the Dale Avenue entrance of the East parcel, approximately 8 feet above the ground. A no-disturbance buffer has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #4 in Eastern Parcel (GSU overhead rack-east)** –Active mourning dove nest located on a metal plate that connects a vertical beam to the lowest overhead wire rack (15 kV cable tray) near the point where the cable tray turns downward east of the GSU in the East parcel, approximately 20 feet above the ground. This nest is located approximately 20 feet east of MODO East #2 (across the access road) (see photos 5-6). A no-disturbance buffer has been established around the four vertical beams below the nest with flagging and signage. T
- **HOSP nest (#7) in Parcel B** – Active house sparrow (*Passer domesticus*; HOSP) nest located in the north corner of the equipment door track enclosure on the west side of the Parcel B warehouse, approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the Migratory Bird Treaty Act (MBTA).
- **HOSP nest (#3) east of Parcel C** – Active house sparrow nest located inside wire insulator directly west of a utility pole, approximately 75 feet east of the southeast corner of Parcel C and north adjacent to the West laydown Yard. The nest is approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the MBTA.

SERC Site:

Eastern Parcel – Ongoing activities included ingress/egress around nest buffers; work inside Unit 1 and 2; control room operations; gas pipeline work; access road vehicle traffic;.

West Laydown Yard – Ongoing activities included foot traffic.

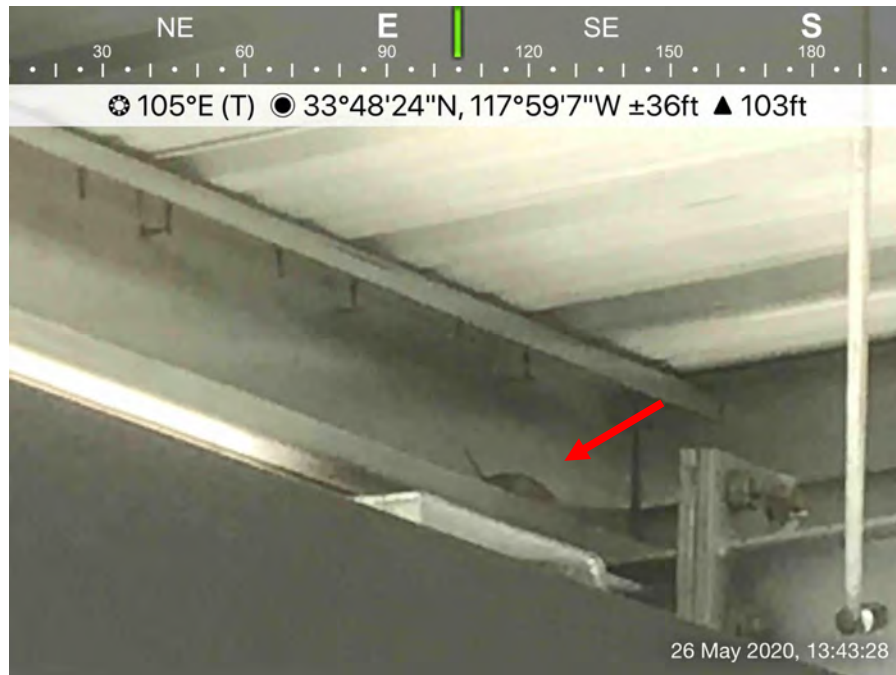
SERC Amendment Area:

Parcel B –SERC construction activities during material inventory/movement in warehouses B and C. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Ongoing activities included parking; foot traffic.

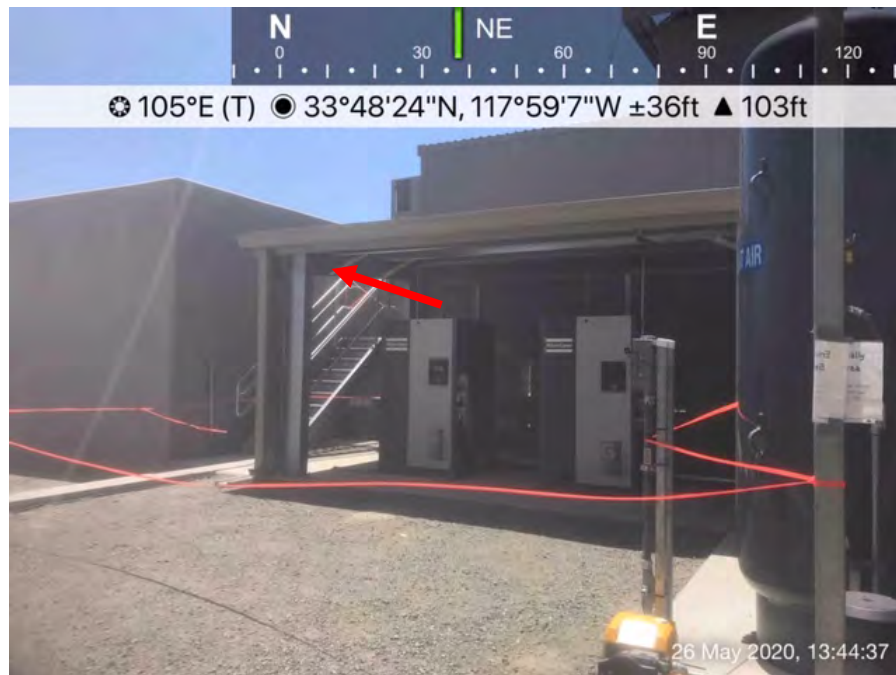
Summary of Biological Resources Monitoring Observations
<p>Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.</p> <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> None <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> MODO nest #1 in Eastern Parcel (air compressor awning) –An adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed nearby. The adult was not disturbed by the presence of the biologist or nearby construction activities. MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure) – No mourning doves were observed in the nest or in the immediate area. Given the absence of the adults, the nest status is unknown at this time. MODO nest #4 in Eastern Parcel (GSU overhead rack-east) – No mourning doves were observed in the nest or in the immediate area. Given the absence of the adults, the nest status is unknown at this time. HOSP nest (#7) in Parcel B – An adult female house sparrow was observed entering the nest cavity with food. Chicks were heard vocalizing. HOSP nest (#3) east of Parcel C – An adult male house sparrow was observed perched next to the nest cavity and vocalizing. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> None <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> None
Items Requiring Action/Follow-up
<ul style="list-style-type: none"> No Items requiring follow-up. Monitoring of work will continue during Project construction activities.
Wildlife Species Observed:
<p>Birds: mourning dove, house finch (<i>Haemorhous mexicanus</i>), house sparrow, Eurasian collared dove (<i>Streptopelia decaocto</i>), rock pigeon (<i>Columba livia</i>)</p>

Photo 1



Location	SERC – Eastern Parcel	Description	An adult mourning dove sitting low on the nest (MODO East #1) in incubation position, facing southeast. The adult was not disturbed by the presence of the biologist or nearby construction activities.
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Photo 2



Location	SERC – Eastern Parcel	Description	Overview of the MODO East #1 nest in the air compressor awning between Unit 1 and 2 of the East parcel, facing southwest. Construction activities near the nest buffer included foot traffic, control room operations, and work inside Unit 1 and 2.
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Photo 3



Location	SERC – Eastern Parcel	Description	Overview of the nest located in the Dale Avenue entrance trash enclosure (MOD0 East #3), facing southwest. Construction activities near the nest buffer included foot traffic and gas pipeline work south of the enclosure. No adults were observed in the area.
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Photo 4



Location	SERC – Parcel B of the Amendment Area	Description	Overview of Nest #7 location (house sparrow), facing southeast. SERC construction activities included material inventory/movement in warehouse B and C. Non-SERC activities included foot/equipment traffic; loading and movement of materials. An adult female was observed entering the nest cavity with food and chicks were heard vocalizing.
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Stanton Energy Reliability Center (SERC)				
BIOLOGICAL RESOURCES				
COMPLIANCE MONITORING LOG				
Date		Monitor		Time (Begin-End)
May 27, 2020		Cara Snellen		0930-1130
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
67-70	2-5	0.00 in.	Good (10 mi.)	Partly cloudy to clear/sunny
Location(s) of Work Site Activities Monitored				
<p>Checked all locations for potential bird/wildlife/Project interactions and compliance with COCs; completed nest updates for all nests present in SERC site and amendment area.</p> <p>SERC Site:</p> <p>Western Parcel – Ongoing activities related to above-ground battery energy storage system (BESS) infrastructure; pipe/duct fabrication; earth contouring and fence installation along the south boundary; movement of materials/equipment; demobilization of equipment.</p> <p>Eastern Parcel – Ongoing activities included control room operations; systems checks; mobile systems operations; work in Unit 1 and 2; vehicle ingress/egress on access road; foot traffic.</p> <p>Western Laydown (SCE West parcel) – Activities included foot traffic.</p> <p>Eastern Laydown (SCE East parcel) – Activities included parking; material storage.</p> <p>Gas Pipeline – Ongoing activities related to gas pipeline infrastructure at Dale Avenue entrance.</p> <p>Church Parking Lot – No SERC-related activities.</p> <p>SERC Amendment Area:</p> <p>Parcel A – Activities included parking.</p> <p>Parcel B – Activities included material inventory/movement in warehouse B and C. Non-SERC activities included foot/equipment traffic; loading and movement of materials.</p> <p>Parcel C – Activities included parking; foot traffic.</p>				
Summary of Biological Resources Monitoring Observations				
<p>Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.</p> <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> None <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> MODO nest #1 in Eastern Parcel (air compressor awning) – An adult mourning dove (<i>Zenaida macroura</i>; MODO) was observed sitting on the nest in incubation position. No other mourning doves were observed nearby. The adult was not disturbed by the presence of the biologist or by nearby construction activities. MODO nest #3 in Eastern Parcel (Dale Avenue entrance trash enclosure) – No nesting activity was observed and no adults were present in the area. Based on recent observations, this nest is no longer active (see Wildlife Observation Form). HOSP nest (#7) in Parcel B – A adult female house sparrow (<i>Passer domesticus</i>; HOSP) was observed entering the nest cavity with food. An adult male was vocalizing nearby. The nest is presumed to be in the feeding chicks stage. The adult was not disturbed by the presence of the biologist or by nearby construction activities. HOSP nest (#3) east of Parcel C – An adult male house sparrow was observed perched near the nest. The nest is presumed to be in the incubation stage. The adult was not disturbed by the presence of the biologist or by nearby activities. MODO nest #4 in Eastern Parcel (GSU overhead rack-east) – An adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed nearby. The adult was not disturbed by the presence of the biologist or by nearby construction activities. 				

- An active mourning dove nest (MODO West #5) was observed on a beam ledge under the northeast corner of the RO system awning near the eastern boundary of the West parcel (see photo 3). The nest is located where the supporting vertical corner post connects with the beam ledge. The biologist observed nesting material hanging off the beam ledge and an adult mourning dove sitting in incubation position. A second adult approached the nest and the pair switched places. Neither adult was disturbed by the presence of the biologist. The nest location is approximately 12 feet above the ground and is partially concealed by the vertical post, the beam ledge, and surrounding awning infrastructure. Given the height of the nest and the presence of an incubating adult, the presence/number of eggs could not be determined. No work will be conducted near the nest until the BESS is complete and the RO system is connected. Nearby construction activities in the area include foot traffic and truck ingress/egress on the access road located approximately 60 feet north of the nest. However, construction activities are visually buffered by the large RO tank to the northwest and the stationed truck trailer to the north. A no-disturbance buffer was established around the main vertical post and two posts supporting overhead pipes below the nest (approximately 4x4 feet) with flagging and signage. Coordinates: 33.80674033, -117.98714119 (see Wildlife Observation Form).

Other Biological Resources Observations:

- None

Other Observations/Comments:

- None

Items Requiring Action/Follow-up

- No Items requiring follow-up. Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: mourning dove, house sparrow, Northern mockingbird (*Mimus polyglottos*), house finch (*Haemorhous mexicanus*), Eurasian collared dove (*Streptopelia decaocto*), rock pigeon (*Columba livia*), European starling (*Sturnus vulgaris*), Cassin's kingbird (*Tyrannus vociferans*)

Photo 1



Location	SERC – Western Parcel	Description	Overview of construction activities associated with the above-ground infrastructure for the battery energy storage system (BESS) in the West parcel, facing southwest.
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Photo 2



Location	SERC – Western Parcel	Description	Earth contouring and fence installation along the south boundary of the West parcel, facing west.
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Photo 3



Location	SERC – Western Parcel	Description	Overview of the new mourning dove nest located in the RO awning in the West parcel (MODO West #5), facing north. An adult was observed sitting on the nest in incubation position. A no-disturbance buffer was established below the new nest with flagging and signage.
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Photo 4



Location	SERC – Eastern Parcel	Description	Overview of the MODO East #1 nest and nest buffer at the air compressor awning in the East parcel, facing southwest. Ongoing construction activities in the area included foot traffic, control room operations, mobile systems operations (see photo), and work inside Units 1 and 2.
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Photo 5



Location

SERC – Eastern Parcel

Description

An adult mourning dove was observed sitting on the nest in incubation position at MODO East #1, facing southeast. The adult showed no signs of disturbance.

Photo 6



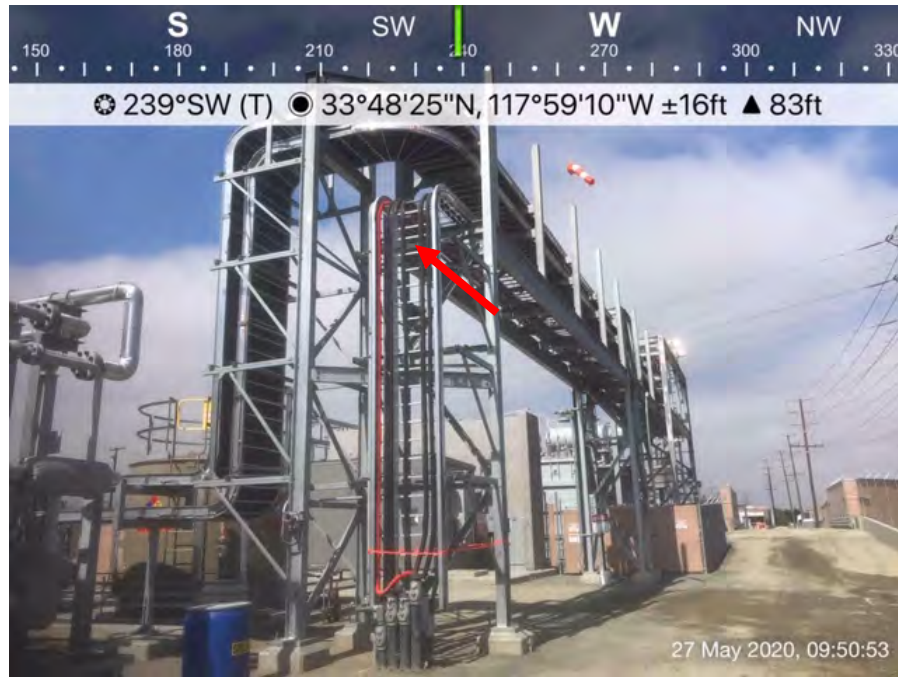
Location

SERC – Eastern Parcel

Description

Overview of MODO East #3 nest location in the trash enclosure at the Dale Avenue entrance in the East parcel, facing south. No nesting activity was observed and, based on recent observations, the nest is no longer active. The buffer has been removed. Ongoing construction activities included gas pipeline work behind the enclosure.

Photo 7



Location	SERC – Eastern Parcel	Description	Location of MODO East #4 in the overhead rack near the GSU in the East parcel, facing southwest. An adult was observed sitting on the nest in incubation position. Nearby construction activities included foot/vehicle traffic.
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Photo 8



Location	Gas pipeline at Dale Avenue entrance (Eastern Parcel)	Description	Ongoing construction activities associated with the gas pipeline at the Dale Avenue entrance of the East parcel, facing southwest.
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Photo 9



Location	SERC Amendment Area – Parcel B	Description	Overview of Nest #7 (house sparrow) above the north corner of the equipment doors of warehouse B, facing southeast. Both SERC and non-SERC activities were occurring in the area. An adult female was observed entering the nest cavity with food and an adult was vocalizing nearby. Neither adult showed signs of disturbance.
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Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor		Time (Begin-End)
May 28, 2020		Cara Snellen		0930-1030
Temperature (°F)	Wind (mph)	Precipitation amount	Visibility	Weather Comment
68-70	3-5	0.0 in.	Good (10 mi.)	Clear and sunny

Location(s) of Work Site Activities Monitored

Checked for potential bird/wildlife/Project interactions and compliance with COCs in vicinity of nest buffers in/near the SERC site and the SERC amendment area. Nests are located in the SERC Eastern Parcel, SERC Western Parcel, in Parcel B, and near Parcel C/West Laydown Yard.

- **MODO nest #1 in Eastern Parcel (air compressor awning)** – Active mourning dove (*Zenaida macroura*; MODO) nest located on a beam ledge under the southeast corner of the air compressor awning between Units 1 and 2 in the Eastern Parcel, approximately 10 feet above the ground. A no-disturbance buffer zone has been established around the nest (as accessible) with flagging and signage.
- **MODO nest #4 in Eastern Parcel (GSU overhead rack-east)** –Active mourning dove nest located on a metal plate that connects a vertical beam to the lowest overhead wire rack (15 kV cable tray) near the point where the cable tray turns downward east of the GSU in the East parcel, approximately 20 feet above the ground. A no-disturbance buffer has been established around the four vertical beams below the nest with flagging and signage.
- **MODO nest #5 in Western Parcel (RO system awning)** –Active mourning dove nest located on a beam ledge under the northeast corner of the RO system awning near the eastern boundary of the West parcel, approximately 12 feet above the ground. A no-disturbance buffer has been established below the nest around the main vertical post and two posts supporting overhead pipes with flagging and signage.
- **HOSP nest (#7) in Parcel B** – Active house sparrow (*Passer domesticus*; HOSP) nest located in the north corner of the equipment door track enclosure on the west side of the Parcel B warehouse, approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the Migratory Bird Treaty Act (MBTA).
- **HOSP nest (#3) east of Parcel C** – Active house sparrow nest located inside wire insulator directly west of a utility pole, approximately 75 feet east of the southeast corner of Parcel C and north adjacent to the West laydown Yard. The nest is approximately 15 feet above the ground. House sparrows are introduced species not protected under provisions of the MBTA.

SERC Site:

Eastern Parcel – Ongoing activities included foot traffic; work inside Unit 1 and 2; control room operations; gas pipeline work; access road vehicle traffic.

Eastern Parcel – Ongoing activities included above-ground BESS infrastructure construction; pipe/duct fabrication; fence installation; movement of materials and equipment; foot/vehicle traffic.

West Laydown Yard – Ongoing activities included foot traffic.

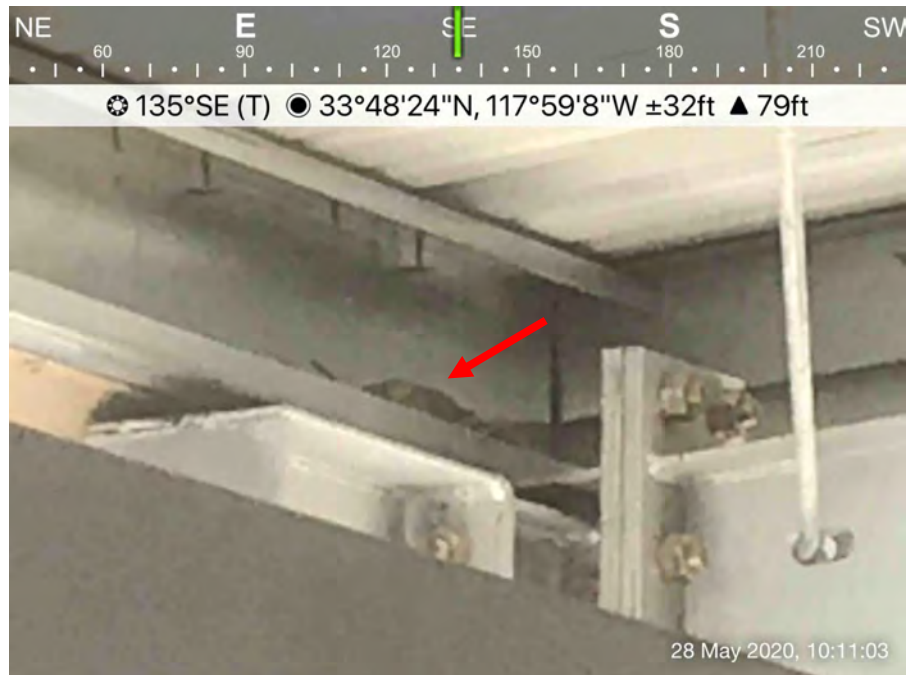
SERC Amendment Area:

Parcel B –SERC construction activities during material inventory/movement in warehouses B and C. Non-SERC activities included foot/equipment traffic; loading and movement of materials.

Parcel C – Ongoing activities included parking; foot traffic.

Summary of Biological Resources Monitoring Observations
<p>Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.</p> <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> None <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> MODO nest #1 in Eastern Parcel (air compressor awning) –An adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed nearby. The adult was not disturbed by the presence of the biologist or nearby construction activities. MODO nest #4 in Eastern Parcel (GSU overhead rack-east) – An adult mourning dove was observed sitting on the nest in incubation position. A second adult was perched nearby. The adults were not disturbed by the presence of the biologist or nearby construction activities. MODO nest #5 in Western Parcel (RO system awning) – An adult mourning dove was observed sitting on the nest in incubation position. A second adult was perched nearby. The adults were not disturbed by the presence of the biologist or nearby construction activities. HOSP nest (#7) in Parcel B – No nesting activity was observed and no house sparrows were present in the area. HOSP nest (#3) east of Parcel C – An adult male house sparrow was observed perched next to the nest cavity and vocalizing. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> None <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> None
Items Requiring Action/Follow-up
<ul style="list-style-type: none"> No Items requiring follow-up. Monitoring of work will continue during Project construction activities.
Wildlife Species Observed:
<p>Birds: mourning dove, house finch (<i>Haemorhous mexicanus</i>), house sparrow, Eurasian collared dove (<i>Streptopelia decaocto</i>), rock pigeon (<i>Columba livia</i>), Northern mockingbird (<i>Mimus polyglottos</i>), lesser goldfinch (<i>Spinus psaltria</i>)</p>

Photo 1



Location	SERC – Eastern Parcel	Description	An adult mourning dove sitting low on the nest (MODO East #1) in incubation position, facing southeast. The adult was not disturbed by the presence of the biologist or nearby construction activities.
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Photo 2



Location	SERC – Eastern Parcel	Description	Overview of the MODO East #1 nest in the air compressor awning between Unit 1 and 2 of the East parcel, facing west. Construction activities near the nest buffer included foot traffic, control room operations, and work inside Unit 1 and 2.
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Photo 3



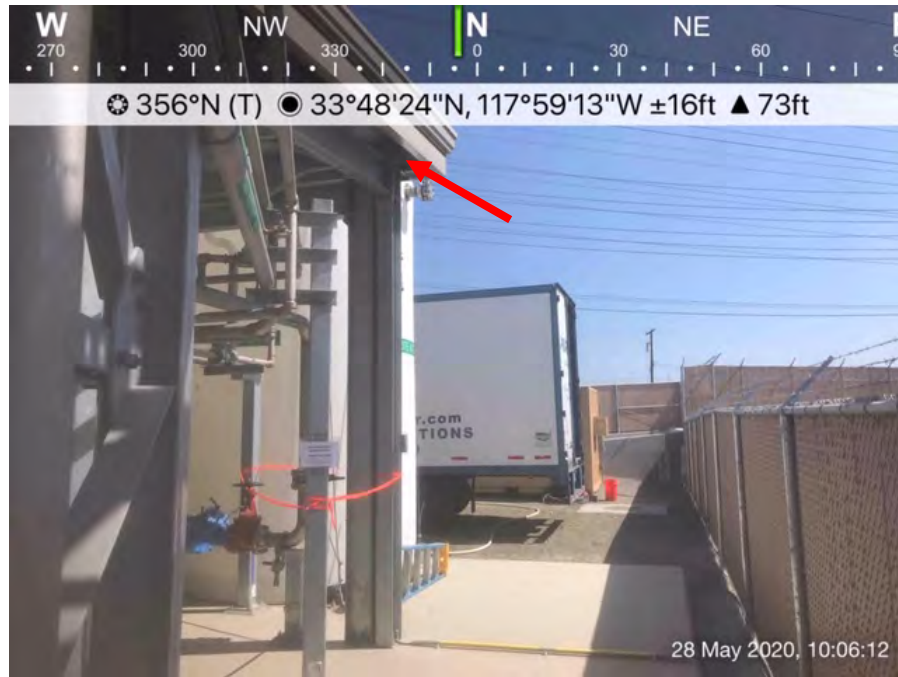
Location	SERC – Eastern Parcel	Description	Overview of the nest located in the GSU overhead rack in the East parcel (MOD0 East #4), facing southwest. An adult mourning dove was sitting low on the nest in incubation position and a second adult was perched nearby. Construction activities near the nest buffer included foot traffic.
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Photo 4



Location	SERC – Western Parcel	Description	An adult mourning dove sitting low on the nest (MOD0 West #5) in incubation position, facing north. A second adult was perched nearby. The adults were not disturbed by the presence of the biologist or nearby construction activities.
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Photo 5



Location

SERC – Western Parcel

Description

Overview of the nest located in the RO system awning in the West parcel (MOD0 West #5), north. Construction activities near the nest buffer included duct/pipe fabrication; foot traffic.

Photo 6



Location

SERC – Parcel B of the
Amendment Area

Description

Overview of Nest #7 location (house sparrow), facing southeast. SERC construction activities included material inventory/movement in warehouse B and C. Non-SERC activities included foot/equipment traffic; loading and movement of materials. No nesting activity was observed and no house sparrows were present in the area.

Stanton Energy Reliability Center (SERC)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date					Monitor		Time (Begin-End)	
May 29, 2020					Cara Snellen		0900-1100	
Temperature (°F)		Wind (mph)		Precipitation amount	Visibility	Weather Comment		
65-68		2-3		0.00 in.	Good (10 mi.)	Cloudy/overcast		
Location(s) of Work Site Activities Monitored								
<p>Checked all locations for potential bird/wildlife/Project interactions and compliance with COCs; completed nest updates for all nests present in SERC site and amendment area.</p> <p>SERC Site:</p> <p>Western Parcel – Ongoing activities related to above-ground battery energy storage system (BESS) infrastructure; material fabrication/modification; movement of materials/equipment.</p> <p>Eastern Parcel – Ongoing activities included control room operations; work in Unit 1 and 2; vehicle ingress/egress on access road; foot traffic.</p> <p>Western Laydown (SCE West parcel) – Activities included foot traffic.</p> <p>Eastern Laydown (SCE East parcel) – Activities included parking; material storage.</p> <p>Gas Pipeline – No SERC-related activities.</p> <p>Church Parking Lot – No SERC-related activities.</p> <p>SERC Amendment Area:</p> <p>Parcel A – No accessible.</p> <p>Parcel B – Not accessible.</p> <p>Parcel C – Activities included parking; foot traffic.</p>								
Summary of Biological Resources Monitoring Observations								
<p>Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife.</p> <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> • None <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> • MODO nest #1 in Eastern Parcel (air compressor awning) – An adult mourning dove (<i>Zenaida macroura</i>; MODO) was observed sitting on the nest in incubation position. No other mourning doves were observed nearby. The adult was not disturbed by the presence of the biologist or by nearby construction activities. • HOSP nest (#7) in Parcel B – Not accessible. • HOSP nest (#3) east of Parcel C – Adult male and female house sparrows (<i>Passer domesticus</i>; HOSP) were observed entering and exiting the nest cavity. The nest is presumed to be in the feeding chicks stage. The adults were not disturbed by the presence of the biologist or by nearby activities. • MODO nest #4 in Eastern Parcel (GSU overhead rack-east) – An adult mourning dove was observed sitting on the nest in incubation position. A second adult was perched nearby. The adults were not disturbed by the presence of the biologist or by nearby construction activities. • MODO nest #5 in Western Parcel (RO system awning) – An adult mourning dove was observed sitting on the nest in incubation position. No other mourning doves were observed nearby. The adult was not disturbed by the presence of the biologist or by nearby construction activities. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> • None 								

Other Observations/Comments:

- None

Items Requiring Action/Follow-up

- No Items requiring follow-up. Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: mourning dove, house sparrow, Northern mockingbird (*Mimus polyglottos*), house finch (*Haemorhous mexicanus*), Eurasian collared dove (*Streptopelia decaocto*), rock pigeon (*Columba livia*), European starling (*Sturnus vulgaris*), Cassin's kingbird (*Tyrannus vociferans*), barn swallow (*Hirundo rustica*)

Photo 1



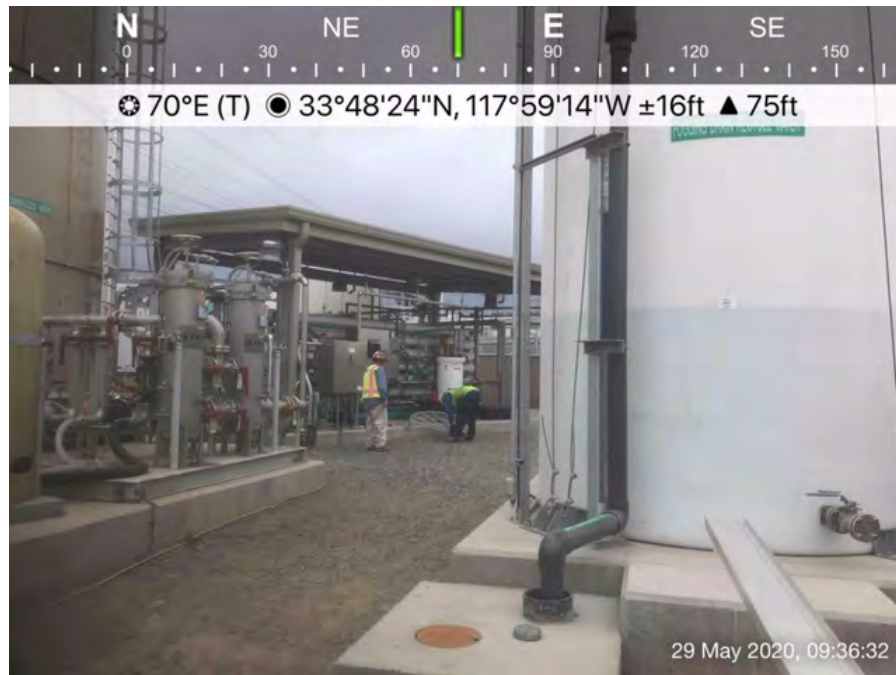
Location	SERC – Western Parcel	Description	Overview of construction activities associated with the above-ground infrastructure for the battery energy storage system (BESS) in the West parcel, facing south.
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Photo 2



Location	SERC – Western Parcel	Description	Movement of materials in the West parcel, facing northeast.
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Photo 3



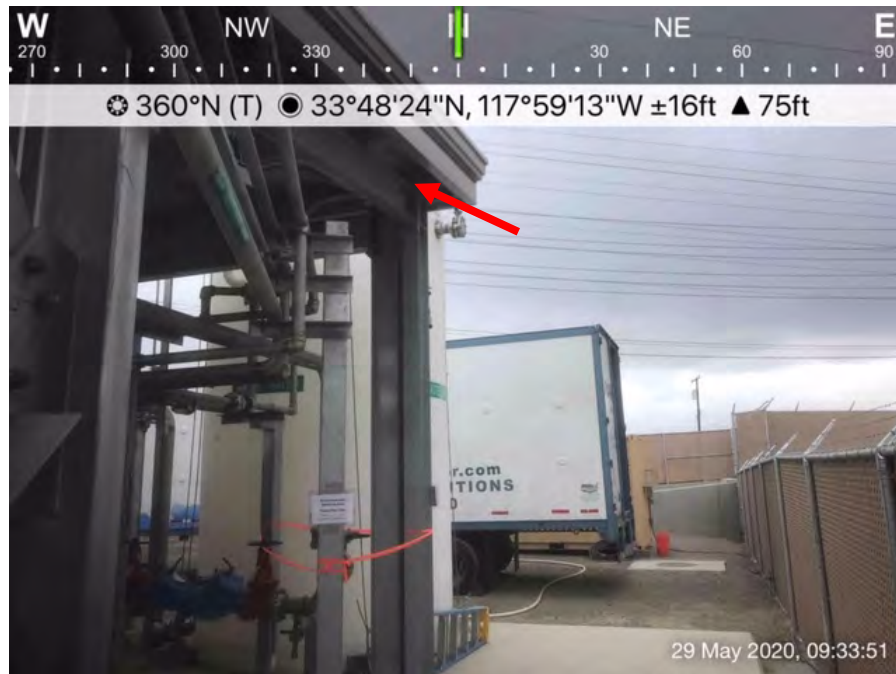
Location

SERC – Western Parcel

Description

Material modification activities near the RO awning in the West parcel, facing east.

Photo 4



Location

SERC – Western Parcel

Description

Overview of the new mourning dove nest located in the RO awning in the West parcel (MODO West #5), facing north. An adult was observed sitting on the nest in incubation position. Construction activities near the nest buffer included frame cutting and foot traffic. The adult showed no signs of disturbance.

Photo 5



Location	SERC – Eastern Parcel	Description	An adult mourning dove was observed sitting on the nest in incubation position at MODO East #1, facing east. Construction activities near the nest buffer included control room operations and foot traffic. The adult showed no signs of disturbance.
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Photo 6



Location	SERC – Eastern Parcel	Description	Location of MODO East #4 in the overhead rack near the GSU in the East parcel, facing southwest. An adult was observed sitting on the nest in incubation position and a second adult was perched nearby. Construction activities near the nest buffer included foot/vehicle traffic. The adults showed no signs of disturbance.
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Photo 7



Location	SERC – Eastern Parcel	Description	Work on the Unit 1 stack in the East parcel, facing west.
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Photo 8



Location	SCE East Laydown Yard	Description	Minor construction activities in the East laydown yard included parking and material storage, facing north. Most of the parcel has been cleared and is no longer in use.
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Appendix C

Wildlife Species List

Observed Wildlife Species List May 1 – May 31, 2020 Stanton Energy Reliability Center		
Common Name	Scientific Name	Status Federal/State/Other
Birds		
Allen's hummingbird	<i>Selasphorus sasin</i>	--/--/--
American crow	<i>Corvus brachyrhynchos</i>	--/--/--
American kestrel	<i>Falco sparverius</i>	--/--/--
Barn swallow	<i>Hirundo rustica</i>	--/--/--
Cassin's kingbird	<i>Tyrannus vociferans</i>	--/--/--
Eurasian collared dove	<i>Streptopelia decaocto</i>	--/--/NP
European starling	<i>Sturnus vulgaris</i>	--/--/NP
House finch	<i>Haemorhous mexicanus</i>	--/--/--
House sparrow	<i>Passer domesticus</i>	--/--/NP
Killdeer	<i>Charadrius vociferus</i>	--/--/--
Lesser goldfinch	<i>Spinus psaltria</i>	--/--/--
Mourning dove	<i>Zenaida macroura</i>	--/--/--
Northern mockingbird	<i>Mimus polyglottos</i>	--/--/--
Red masked parakeet	<i>Aratinga erythrogenys</i>	--/--/NP
Red-tailed hawk	<i>Buteo jamaicensis</i>	--/--/--
Rock pigeon	<i>Columba livia</i>	--/--/NP
Turkey vulture	<i>Cathartes aura</i>	--/--/--
Western gull	<i>Larus occidentalis</i>	--/--/--
Reptiles		
Side blotched lizard	<i>Uta stansburiana</i>	--/--/--
Western fence lizard	<i>Sceloporus occidentalis</i>	--/--/--

Status Codes:

If status codes are not provided, the species is not a special-status species.

Federal:

FE = Federally listed Endangered: species in danger of extinction throughout a significant portion of its range

FT = Federally listed Threatened: species likely to become endangered within the foreseeable future

BCC = Birds of Conservation Concern

State:

SE = State listed as Endangered

ST = State listed as Threatened

FP = Fully Protected

SSC = Species of Special Concern - Species of special concern to California Department of Fish and Wildlife (CDFW) due to declining population levels, limited ranges, and/or continuing threats have made them vulnerable to extinction.

S = Sensitive

WL = Watch List

SP = Special Animals List

Other:

Bureau of Land Management (BLM), United States Department of Interior – Sensitive (S)

California Department of Forestry and Fire Protection (CDF) classifies "sensitive species" as those species that warrant special protection during timber operations.

United States Forest Service (USFS) – Sensitive (S)

NP = Not Protected (Introduced Species)

Appendix D
Wildlife Observations Form

Stanton Energy Reliability Center (SERC) Wildlife Observation Form

To be filled out by personnel who find active nest sites, wildlife dens, dead and/or injured wildlife, or other biological resources during daily construction activities. If nesting birds, dead and/or injured wildlife have been identified, please contact Ava Edens/Designated Biologist (DB) at (949) 466-5178 or ava.edens@jacobs.com. In the event the DB cannot be reached, please contact the Biological Monitor. After you have contacted the DB or Biological Monitor, please complete this "Wildlife Observation Form".

Date and Time	Observer	Observer's Employer
5/4/2020 3:00 p.m.	Mike Malsy	Wellhead

Location of Observation (include time spotted and coordinates if possible)

Trash dumpster enclosure

Wildlife Species Name	Condition of Wildlife (alive/dead, size, age, weight, etc.)
Dove	Alive

Cause of Injury or Mortality and time of death (If unknown, enter "unknown")

N/A

Current Location of Animal

Bird left nest

Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?

Yes ☐ No ☐ N/A ☐ X ☒

If Yes, Explain

Additional Comments

CBO originally identified bird in the trash dumpster enclosure. Bird left the nest and picture was taken. There was no egg found in the nest. The picture was e-mailed to Ava Edens for permission to remove nesting material.

Permission was given to remove the material. Nesting material removed by Wellhead.

Photo 1

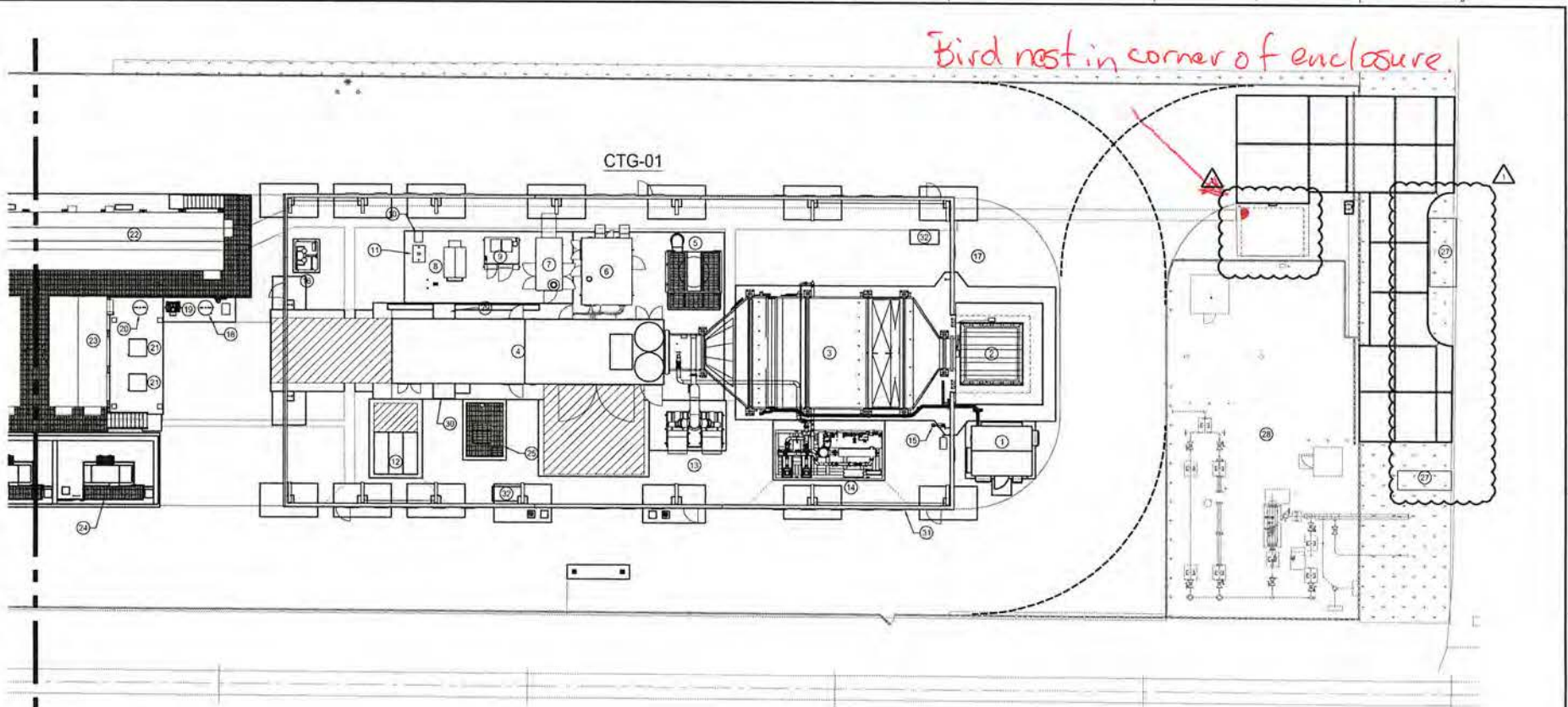


Location	Description
Trash Enclosure	Nesting material

Photo 2

Location	Description

PLANT NORTH



MATCHLINE
DWG GA01-102

KEYNOTES:

- 1 CTG-01 CEMS ENCLOSURE
- 2 CTG-01 EXHAUST STACK
- 3 CTG-01 EMISSIONS REDUCTION UNIT
- 4 CTG-01 COMBUSTION TURBINE GENERATOR
- 5 CTG-01 FIN FAN LUBE OIL COOLER
- 6 CTG-01 AUXILIARY SKID
- 7 CTG-01 WATER INJECTION SKID

- 8 CTG-01 CO₂ FIRE PROTECTION SKID
- 9 CTG-01 FOGGING SKID
- 10 CTG-01 FOGGING DRAIN TRANSFER PUMP
- 11 CTG-01 FOGGING DRAIN TANK
- 12 CTG-01 13.8KV SWITCHGEAR
- 13 CTG-01 ERU PURGE/TEMPERING AIR BLOWER
- 14 CTG-01 AMMONIA INJECTION SKID

- 15 CTG-01 EYEWASH/SHOWER STATION
- 16 CTG-01 FUEL GAS COALESCING FILTER SKID
- 17 FUEL GAS EMERGENCY SHUT-DOWN VALVE
- 18 INSTRUMENT AIR RECEIVER
- 19 DESICCANT AIR DRYER
- 20 COMPRESSED AIR RECEIVER
- 21 AIR COMPRESSOR A/B

- 22 POWER DISTRIBUTION MODULE
- 23 CONTROL MODULE
- 24 480V AUXILIARY TRANSFORMER
- 25 CTG-01 OILY WATER WASTE TANK
- 26 NOT USED
- 27 MAIN POTABLE BACKFLOW PREVENTERS
- 28 SuCal GAS MSA YARD

- 29 CTG-01 NEUTRAL SIDE CUBICLE/NEUTRAL GROUNDING XFMR
- 30 CTG-01 LINE SIDE CUBICLE
- 31 POWER BLOCK WALL
- 32 PORTABLE HAZARDOUS MATERIAL STORAGE

0 5 10 20 FEET
3/32" = 1'-0"

PARCEL 1
GENERAL ARRANGEMENT
SCALE: 3/32" = 1'-0"

Digitally signed
by Jason P.
Miller
Reason: For
Reference Only
Date: 2020.03.20
07:26:01 -07'00'



BRADLEY SCOTT PARVER MECHANICAL PE #18990
10711 DALE AVE
STANTON, ORANGE CO., CA 92680

GA01-101.DWG

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INTER-DISCIPLINE REVIEW					
DISC	ARCH	CIVIL	ELECT	M&C	MECH
DATE	12-13-2018	12-13-2018	12-13-2018	12-13-2018	12-13-2018
INIT	WHR	CMS		BSC	SPC

REV	DESCRIPTION	DATE	DRN	DSGN	CHKD	APPD
1	ISSUED FOR CONSTRUCTION	02-28-2020	LPW	BSC	CJS	JKB
0	ISSUED FOR CONSTRUCTION	12-17-2018	DCA	BSC	CJS	JKB

DSGN	BSC	01-24-2018
DRN	CLP	01-24-2018
CHKD	CJS	12-17-2018
SCALE: AS NOTED		

Stanton Energy Reliability Center, LLC
8700 Redwood Dr., Suite 100 - Sacramento, CA 95811
Phone: (916) 424-0000 Fax: (916) 424-0001

POWER ENGINEERS
10841 FOSTER, P.O. BOX 1000
OVERLAND PARK, KANSAS 66105-1000
(913) 661-2801 www.powereng.com

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER	149368
OVERALL SITE	DRAWING NUMBER	GA01-101
PARCEL 1		
GENERAL ARRANGEMENT		

Stanton Energy Reliability Center (SERC) Wildlife Observation Form

To be filled out by personnel who find active nest sites, wildlife dens, dead and/or injured wildlife, or other biological resources during daily construction activities. If nesting birds, dead and/or injured wildlife have been identified, please contact Ava Edens/Designated Biologist (DB) at (949) 466-5178 or ava.edens@jacobs.com. In the event the DB cannot be reached, please contact the Biological Monitor. After you have contacted the DB or Biological Monitor, please complete this "Wildlife Observation Form".

Date and Time	Observer	Observer's Employer
5/5/2020 2:50 p.m.	Mike Malsy	Wellhead
Location of Observation (include time spotted and coordinates if possible)		
Trash dumpster enclosure		
Wildlife Species Name	Condition of Wildlife (alive/dead, size, age, weight, etc.)	
Dove	Alive	
Cause of Injury or Mortality and time of death (If unknown, enter "unknown")		
N/A		
Current Location of Animal		
Bird in nest with egg.		
Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?		
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
If Yes, Explain		
Unknown impact based on observation.		
Additional Comments		
<p>CBO originally identified bird in the trash dumpster enclosure. Bird left the nest and picture was taken. There was no egg found in the nest. The picture was e-mailed to Ava Edens for permission to remove nesting material.</p> <p>Permission was given to remove the material. Nesting material removed by Wellhead on 5/4/2020.</p> <p>Bird returned overnight , built nest, and laid an egg in the same location. Barricade was set up to allow both access to the site and protection of the bird.</p>		

Photo 1

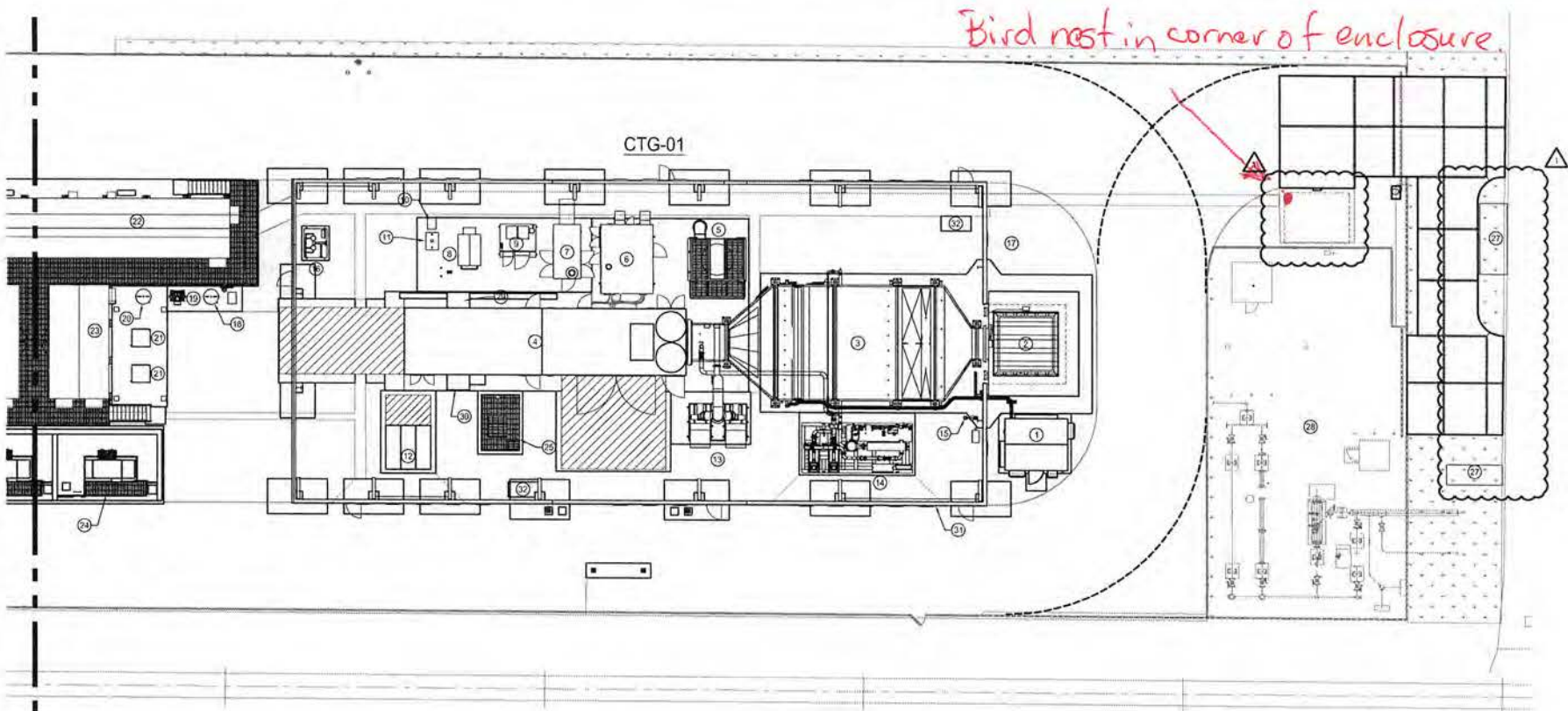


Location	Trash Enclosure	Description	Enclosure cordoned off for protection of bird
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Photo 2

Location	Description
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PLANT NORTH

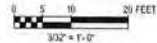


MATCHLINE
DWG GA01-102

KEYNOTES:



- | | | | | |
|---------------------------------------|--|---|-------------------------------------|---|
| 1 CTG-01 CEMS ENCLOSURE | 8 CTG-01 CO, FIRE PROTECTION SKID | 15 CTG-01 EYEWASH/SHOWER STATION | 22 POWER DISTRIBUTION MODULE | 29 CTG-01 NEUTRAL SIDE CUBICLE/NEUTRAL GROUNDING XFMR |
| 2 CTG-01 EXHAUST STACK | 9 CTG-01 FOGGING SKID | 16 CTG-01 FUEL GAS COALESCING FILTER SKID | 23 CONTROL MODULE | 30 CTG-01 LINE SIDE CUBICLE |
| 3 CTG-01 EMISSIONS REDUCTION UNIT | 10 CTG-01 FOGGING DRAIN TRANSFER PUMP | 17 FUEL GAS EMERGENCY SHUT-DOWN VALVE | 24 480V AUXILIARY TRANSFORMER | 31 POWER BLOCK WALL |
| 4 CTG-01 COMBUSTION TURBINE GENERATOR | 11 CTG-01 FOGGING DRAIN TANK | 18 INSTRUMENT AIR RECEIVER | 25 CTG-01 OILY WATER WASTE TANK | 32 PORTABLE HAZARDOUS MATERIAL STORAGE |
| 5 CTG-01 FIN FAN LUBE OIL COOLER | 12 CTG-01 13.8KV SWITCHGEAR | 19 DESICCANT AIR DRYER | 26 NOT USED | |
| 6 CTG-01 AUXILIARY SKID | 13 CTG-01 ERU PURGE/TEMPERING AIR BLOWER | 20 COMPRESSED AIR RECEIVER | 27 MAIN POTABLE BACKFLOW PREVENTERS | |
| 7 CTG-01 WATER INJECTION SKID | 14 CTG-01 AMMONIA INJECTION SKID | 21 AIR COMPRESSOR A/B | 28 SuCal GAS MSA YARD | |

**PARCEL 1
GENERAL ARRANGEMENT**
SCALE: 3/32" = 1'-0"



Digitally signed by Jason P. Miller
Reason: For Reference Only
Date: 2020.03.20 07:26:01 -07'00'

BRADLEY SCOTT CARVER, MECHANICAL PE #10000
10711 DALE AVE
STANTON, ORANGE CO., CA 92688

GA01-101	THIS DRAWING WAS PREPARED BY POWER ENGINEERS, INC. FOR A SPECIFIC PROJECT. IT IS NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF POWER ENGINEERS, INC. THE USER OF THIS DRAWING IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR COMPLYING WITH ALL APPLICABLE REGULATIONS AND STANDARDS. THE USER OF THIS DRAWING IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR COMPLYING WITH ALL APPLICABLE REGULATIONS AND STANDARDS.															INTER-DISCIPLINE REVIEW		DESIGN		BSC		01-24-2018		 POWER ENGINEERS STANTON ENERGY RELIABILITY CENTER, LLC 10041 FOSTER, P.O. BOX 1000 OVERLAND PARK, KANSAS 66205-1000 (913) 661-1287 Fax: (913) 661-1288 Email: info@powereng.com	STANTON ENERGY RELIABILITY CENTER		JOB NUMBER		REV	
	DISC	ARCH	CIVIL	ELECT	M&C	MECH	STRUCT			DRN	CLP	01-24-2018	OKD	CJS	12-17-2015	OVERALL SITE		149388												
	DATE	*	12-13-2018	12-13-2018	12-13-2018	12-13-2018	12-13-2018	1	ISSUED FOR CONSTRUCTION	02-28-2020	LPW	BSC	CJS	JKB	SCALE:	AS NOTED	PARCEL 1		DRAWING NUMBER		GA01-101									
								0	ISSUED FOR CONSTRUCTION	12-17-2018	DCA	BSC	CJS	JKB			GENERAL ARRANGEMENT													
	INIT	*	WHR	CMS	*	BSC	SPC	REV	REVISIONS	DATE	DRN	OSGN	CKD	APPD																

Stanton Energy Reliability Center (SERC) Wildlife Observation Form

To be filled out by personnel who find active nest sites, wildlife dens, dead and/or injured wildlife, or other biological resources during daily construction activities. If nesting birds, dead and/or injured wildlife have been identified, please contact Ava Edens/Designated Biologist (DB) at (949) 466-5178 or ava.edens@jacobs.com. In the event the DB cannot be reached, please contact the Biological Monitor. After you have contacted the DB or Biological Monitor, please complete this "Wildlife Observation Form".

Date and Time	Observer	Observer's Employer
May 6, 2020	Cara Snellen	Jacobs

Location of Observation (include time spotted and coordinates if possible)

Discarded egg below active mourning dove nest located under air compressor awning between Units 1 and 2 in the SERC Eastern Parcel. Coordinates: 33.8067461, -117.9852721.

Wildlife Species Name	Condition of Wildlife (alive/dead, size, age, weight, etc.)
Mourning dove (<i>Zenaida macroura</i>) egg	Dead (not viable)

Cause of Injury or Mortality and time of death (If unknown, enter "unknown")

unknown

Current Location of Animal

Stanton Energy Reliability Center (SERC)

Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?

Yes ☐ No ☒ N/A ☐

If Yes, Explain

Additional Comments

Biologist was notified of an egg observed on the ground below the active mourning dove nest located on the beam ledge under the southeast corner of the air compressor awning between Units 1 and 2 in the SERC Eastern Parcel, approximately 10 feet above the ground. The biologist inspected the location and confirmed the presence of a discarded egg mostly intact with an embryo visible. An adult mourning dove was present and sitting on the nest; presumably still brooding. The biologist returned to the area approximately 1 hour later to confirm that the adult remained and the nest was still active. The no-disturbance buffer is still intact; the only construction activities occurring in the immediate vicinity included ingress/egress (foot traffic).

Photo 1



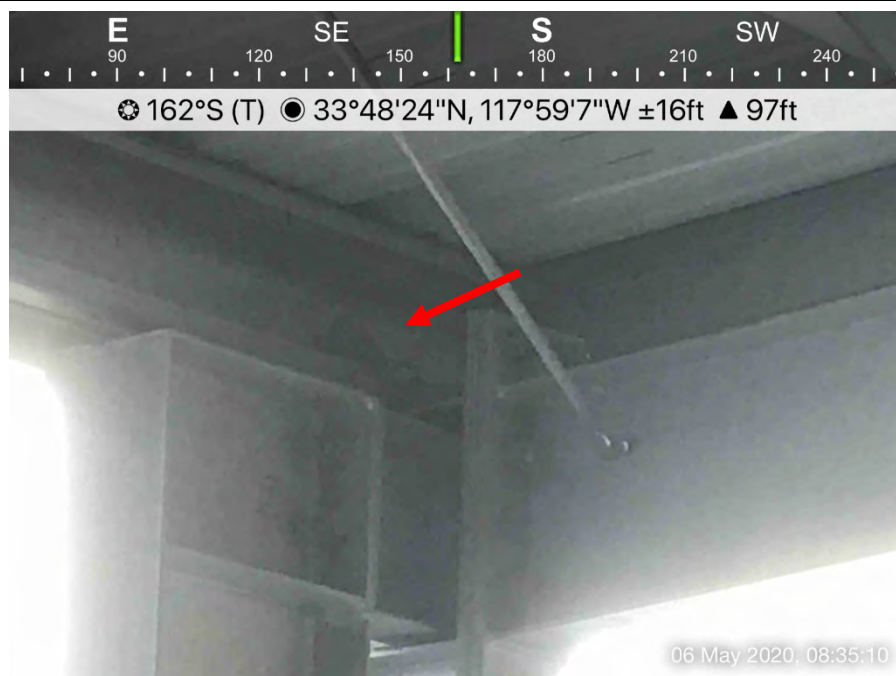
Location

SERC – Eastern Parcel

Description

Discarded egg mostly intact with an embryo visible found on ground below known active mourning dove nest (MODO #1) under the air compressor awning in the East parcel.

Photo 2



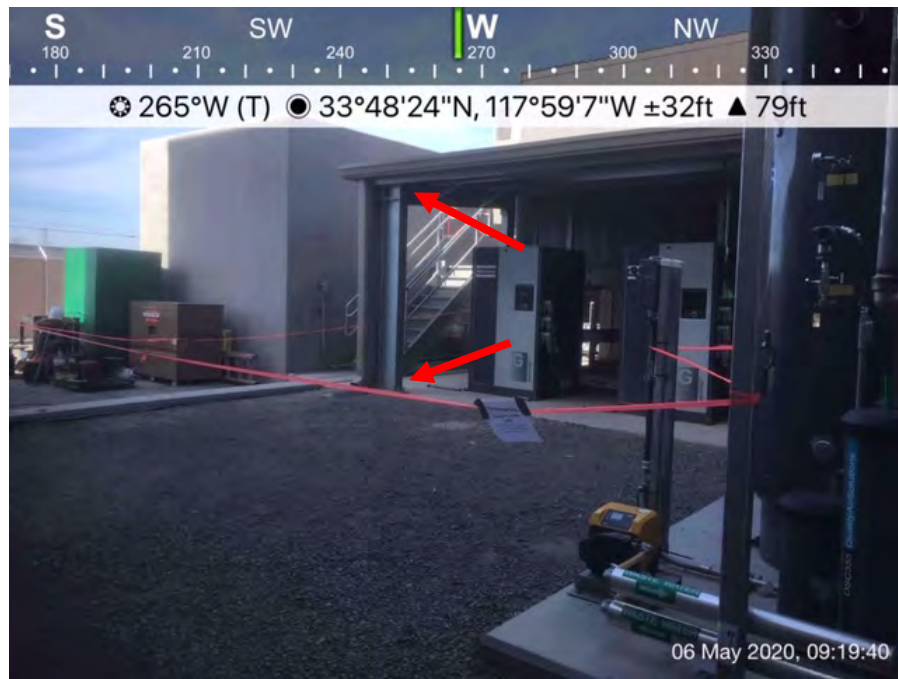
Location

SERC – Eastern Parcel

Description

Adult mourning dove sitting on the known active nest directly above the discarded egg (presumably brooding), facing south.

Photo 3



Location

SERC – Eastern Parcel

Description

The no-disturbance buffer previously established around the active mourning dove nest (MODO #1), facing west. The nest is located under the southeast corner of the awning; the discarded egg was found directly below the nest.

Photo 4



Location

SERC – Eastern Parcel

Description

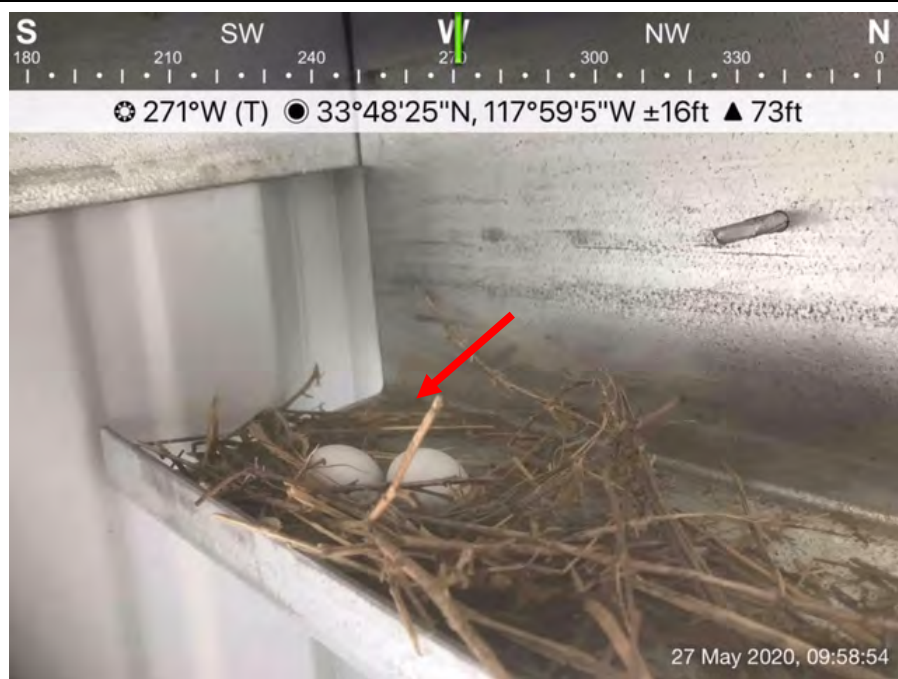
Minimal construction activities in the East parcel included ingress/egress and control room operations, facing west.

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Date and Time	Observer	Observer's Employer
May 27, 2020	Cara Snellen	Jacobs
Location of Observation (include time spotted and coordinates if possible)		
MODO East #3 nest (abandoned with 2 eggs) located in the northwest corner of the trash enclosure at the Dale Avenue entrance of the East parcel. Coordinates: 33.8069070, -117.9848149.		
Wildlife Species Name	Condition of Wildlife (alive/dead, size, age, weight, etc.)	
Mourning dove (<i>Zenaida macroura</i>) eggs (2)	Dead (not viable)	
Cause of Injury or Mortality and time of death (If unknown, enter "unknown")		
unknown		
Current Location of Animal		
Stanton Energy Reliability Center (SERC)		
Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?		
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
If Yes, Explain		
Additional Comments		
<p>The mourning dove nest (MODO East #3) was originally identified by Wellhead personnel on 5/5/2020. The nest was located in the northwest corner of the trash enclosure at the Dale Avenue entrance of the East parcel, approximately 8 feet above the ground. The biologist confirmed the status of the nest (incubation) on 5/6/2020 and established a no-disturbance buffer around the nest location; the size and shape of which accommodated/utilized the enclosure and surrounding infrastructure and accounted for the existing visual buffers around the nest. The buffer excluded entry into the trash enclosure and extended approximately 5 feet out from the front and sides of the enclosure. Construction activities occurring in the vicinity of the buffer included gas pipeline work behind the enclosure, concrete work and gate installation at the Dale Avenue entrance, and foot/vehicle traffic along the access road directly north of the trash enclosure. The biologist checked the nest daily and briefly monitored work in the area. An adult was observed sitting on the nest each day, often with a second adult nearby, and showed no signs of disturbance. During the week of May 18, work in the vicinity of the nest buffer was reduced as the contractor was in the process of demobilizing from the site. On May 20, the adult was not present on the nest. The next day, May 21, as the adult was still not present, the biologist was able to determine that the nest contained 2 eggs. Nesting activity was not observed again and the nest was officially considered abandoned (failed) on May 27. The nest and eggs were removed/disposed and the nest buffer was taken down. No adults were observed in the area. The only construction activities occurring in the immediate vicinity included gas pipeline work behind the trash enclosure and minimal foot/vehicle traffic.</p>		

Photo 1



Location

SERC – Eastern Parcel

Description

Abandoned mourning dove nest with 2 eggs located in the northwest corner of the trash enclosure near the Dale Avenue entrance of the East parcel.

Photo 2



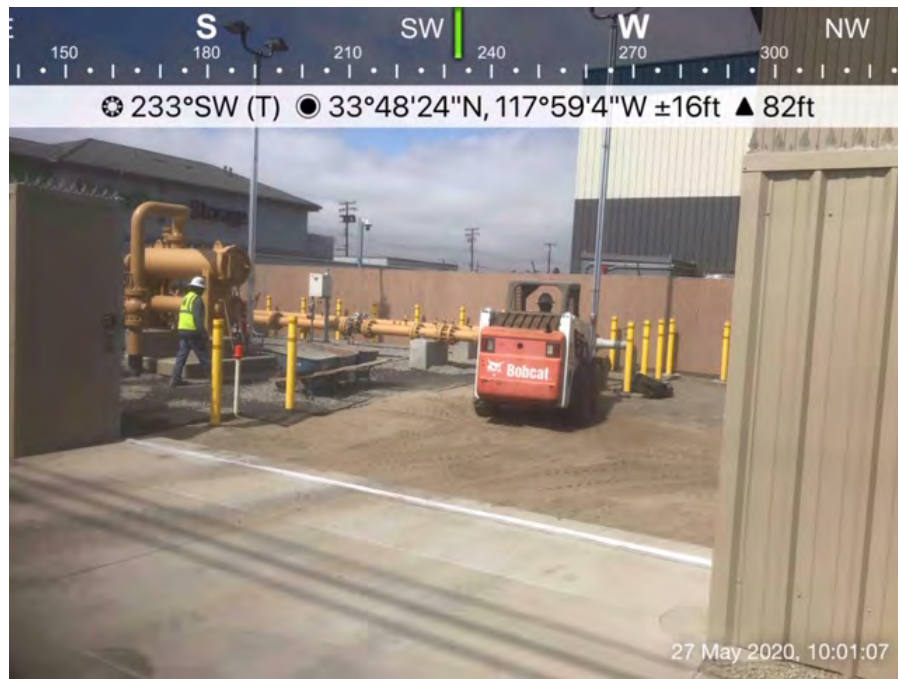
Location

SERC – Eastern Parcel

Description

Overview of the nest location in the trash enclosure, facing south. The no-disturbance buffer (flagging and signage) has been removed.

Photo 3



Location	SERC – Eastern Parcel	Description	The only construction activities in the vicinity of the nest location included gas pipeline work behind the trash enclosure (see photo) and minimal foot/vehicle traffic on the access road directly north of the nest buffer. The trash enclosure is located north of the gas pipeline (right of the photo) and work is visually buffered by the back wall of the enclosure.
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Stanton Energy Reliability Center (SERC) Wildlife Observation Form

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Date and Time	Observer	Observer's Employer
May 27, 2020	Cara Snellen	Jacobs

Location of Observation (include time spotted and coordinates if possible)

Active mourning dove nest under RO system awning (beam ledge of northeast awning corner) near eastern boundary of the SERC Western Parcel, approximately 12 feet above ground. Coordinates: 80674033, -117.98714119.

Wildlife Species Name	Condition of Wildlife (alive/dead, size, age, weight, etc.)
Mourning dove (<i>Zenaida macroura</i>)	Live

Cause of Injury or Mortality and time of death (If unknown, enter "unknown")

N/A

Current Location of Animal

Stanton Energy Reliability Center (SERC)

Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?

Yes ☐ No ☒ N/A ☐

If Yes, Explain

Additional Comments

An active mourning dove nest (MODO West #5) was observed on a beam ledge under the northeast corner of the RO system awning in the West parcel. The nest is located where the supporting vertical corner post connects with the beam ledge. The biologist observed nesting material hanging off the beam ledge and an adult mourning dove sitting in incubation position. A second adult approached the nest and the pair switched places. Neither adult was disturbed by the presence of the biologist. The nest location is approximately 12 feet above the ground and is partially concealed by the vertical post, the beam ledge, and surrounding awning infrastructure. Given the height of the nest and the presence of an incubating adult, the presence/number of eggs could not be determined. No work will be conducted near the nest until the BESS is complete and the RO system is connected (estimate 1 month). Nearby construction activities in the area include foot traffic and truck ingress/egress on the access road located approximately 60 feet north of the nest. However, construction activities are visually buffered by the large RO tank to the northwest and the stationed truck trailer to the north. A no-disturbance buffer was established around the main vertical post and two posts supporting overhead pipes below the nest (approximately 4x4 feet) with flagging and signage.

Photo 1



Location

SERC – Western Parcel

Description

Closeup of active mourning dove nest (MODO West #5) located in the northeast corner of the RO awning near the eastern boundary of the Western parcel, approximately 12 feet above ground. An adult was observed sitting in incubation position on nesting material.

Photo 2



Location

SERC – Western Parcel

Description

Overview of the MODO West #5 location on a beam ledge under the northeast corner of the RO system awning, facing north. The nest location is approximately 12 feet above the ground and is partially concealed by the vertical post, the beam ledge, and surrounding awning infrastructure. A no-disturbance buffer was established around the main vertical post and two posts supporting overhead pipes below the nest (approximately 4x4 feet) with flagging and signage.



Figure 1. Google Earth image of SERC mourning dove nest location (indicated by yellow pin). The nest is located on the beam ledge under the northeast corner of the RO system awning near the eastern boundary of the SERC Western Parcel, approximately 12 feet above the ground. The beam ledge, vertical post, and surrounding awning infrastructure provide a visual buffer. In addition, the area is closely surrounded by fencing, large RO tank, stationed truck trailer, and other SERC infrastructure, effectively screening the nest from Project noise and activity (although not shown in Google Earth image). Coordinates: 33.80674033, -117.98714119.

Appendix E

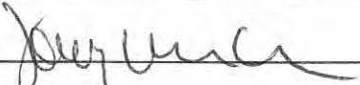
WEAP Training Log

Certification of Completion of Worker Environmental Awareness Education Program

Stanton Energy Reliability Center (SERC) Project, Orange County, California
Cultural, Paleontological, and Biological Resources Education Program Verification
All On-Site Employees

This is to certify the below-mentioned individuals have completed a mandatory California Energy Commission-approved Cultural, Paleontological, and Biological Resources Education (Environmental Awareness) Program for Employees on site at the SERC Project. By signing below, the participants indicate that they understand and shall abide by the guidelines set forth in the Program materials.

No.	Employee Name	Company	Signature	Date
1.	Scott Lawrence	Reliable Conc		5-1-20
2.	MIKE MCCA	WELLSERVICES		5-1-20
3.	Pedro H Ramirez	Mad steel		5-1-20
4.	Fabian Lopez	Mad steel		5-1-20
5.	Ivan A. Oliva	Mad steel		5-1-20
6.	Miguel A. Rivera	MAD STEEL		5-1-20
7.	Julian Ibarbido	PMT		5-1-20
8.	Chris Kraft	PMT		5-1-20
9.	Ed Acosta	Reliable		5-1-20
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Trainer: Jose Renteria Signature:  Date: 05 / 01 / 20

Certification of Completion of Worker Environmental Awareness Education Program

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No.	Employee Name	Company	Signature	Date
1.	Rigoberto martinez	GraniteX	Rigoverto martinez	5-2-20
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Trainer: Jose Antonio Garcia Signature: [Signature] Date: 05 / 02 / 2020

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No.	Employee Name	Company	Signature	Date
1.	Alfredo Murguía	Granitex	Alfredo Murguía	05-04-20
2.	Carlos García	Granitex	Carlos García	05-04-20
3.	Eddy Morales	Mad STEEL	Eddy Morales	05-04-20
4.	Matt McCune	Monitrose	Matt McCune	5-4-20
5.	DAVID McCune	Monitrose	David McCune	5.4.20
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Trainer: Jorge Restrepo Signature: [Signature] Date: 05 / 04 / 2020

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No.	Employee Name	Company	Signature	Date
1.	Freddy Jolov	MAD Steel	fs	5/5/20
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Trainer: Jose Antonio Green Signature: [Signature] Date: 05/05/2020



WEAP Orientation

AND Safety Orientation

Stanton Energy
Reliability Center

Site Specific Safety Orientation

Sign in Sheet:

	Employee name	Signature	Company	Date
1.	Ruben Pineda	Ruben Pineda	Granitex	5/7
2.	EJ ROBLES	EJ Robles	GRANITEX	5/7
3.	Noel Zamora	Noel Zamora	granitex	5/7
4.	Angelica Moreno	Angelica Moreno	Granitex	5/7
5.	Manuel Salvador Guillen L	Manuel Salvador Guillen L	Granitex	5/7
6.	SALVADOR	Salvador	Granitex	5/7/20
7.	Fidel Moreno	Fidel Moreno	Granitex	5/7/20
8.	Rodolfo Arzuaga	Rodolfo Arzuaga	Brand/Safeway	5-7-20
9.	Arcelia Smith	Arcelia Smith	Brand/Safeway	5-7-20
10.	SANDRO BERNAL	Sandro Bernal	BRAND/SAFWAY	5-7-20
11.	GREGORY HENRY	Gregory Henry	BRAND/SAFWAY	5-7-20
12.	José Sonavento	José Sonavento	"	"
13.	Miguel Perez	Miguel Perez	Granitex	5/7/20
14.	Jose Hernandez	Jose Hernandez	GRANITEX	5/7/20
15.	Daniel Wheat	Daniel Wheat	G&W Builders	5/7/20
16.	Jeremy Blodgett	Jeremy Blodgett	SCC	
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Trainer:

Signature


Date

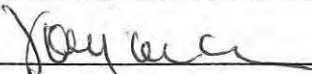
Stephen Wait Stephen Wait 05/07/2020

Certification of Completion of Worker Environmental Awareness Education Program

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All On-Site Employees

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No.	Employee Name	Company	Signature	Date
1.	STEVE CARRILLO	PMT		5-8-20
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Trainer: Jonie Perkins-Garcia Signature:  Date: 05 / 08 / 2020

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No.	Employee Name	Company	Signature	Date
1.	Nigel O'Reilly	PMI	Nigel O'Reilly	5-12-2020
2.	Nacary Xavier	P.m.i	Nacary Xavier	5-12-20
3.	Eloy Gonzalez	AKORV	Eloy Gonzalez	5/12/20
4.	Erin Parra	ALCOM	Erin Parra	5/12/2020
5.	Carlos Venegas	ALCOM	Carlos Venegas	5-12-2020
6.	Jose Flores	Brand Safety	Jose Flores	5-12-2020
7.	Richard Perez	Brand SAFWAY	Richard Perez	5/12/2020
8.	Ricardo Muniz	Brand Safety	Ricardo Muniz	5.12.20
9.	SANDRO BERNAL	BRAND SAFWAY	Sandro Bernal	5.12.20
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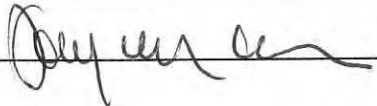
Trainer: Joseph Pentimone Signature: Joseph Pentimone Date: 05 / 12 / 2020

Certification of Completion of Worker Environmental Awareness Education Program

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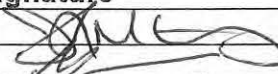
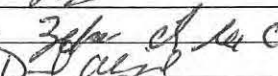
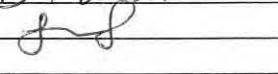
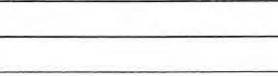
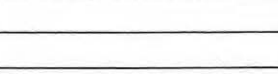
No.	Employee Name	Company	Signature	Date
1.	Brian Cerjak	Mr. Crane		5-13-20
2.	Travis Gue	Mr. Crane		5-17-20
3.	Joseph Deitrich	Mr. Crane		5-13-20
4.	LAWRENCE DELA CRUZ	FIELDCORE/GE		5-13-20
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Trainer:  Signature:  Date: 05 / 13 / 2020

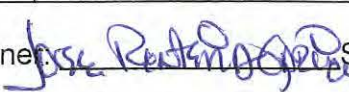
Certification of Completion of Worker Environmental Awareness Education Program

Stanton Energy Reliability Center (SERC) Project, Orange County, California
Cultural, Paleontological, and Biological Resources Education Program Verification
All On-Site Employees

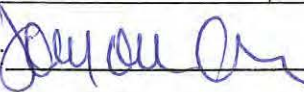
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No.	Employee Name	Company	Signature	Date
1.	JOSE L MARTINEZ	BRAND SAFETY		5-15-20
2.	GUSTAVO MARTINEZ	BRAND SAFETY		5-15-20
3.	ZEFERINO DELA O	BRAND SAFETY		5-15-20
4.	DAVID ALEJANDRO	BRAND SAFETY		5-15-20
5.	JUAN SANTIAGO	BRAND SAFETY		5-15-20
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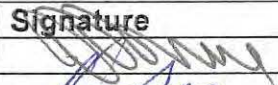
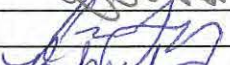
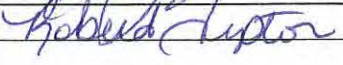
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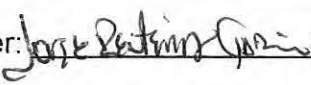
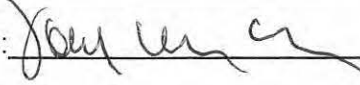
05 / 15 / 2020

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All On-Site Employees

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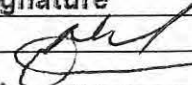
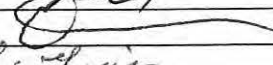


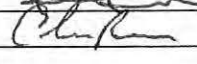
No.	Employee Name	Company	Signature	Date
1.	Adam Caswell	Clean Air Engineering		5-16-2020
2.	Oscar Grunza	Mr. Crabbe		5-16-20
3.	Robert Tipton	Mr. Cenne		5-16-20
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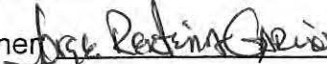
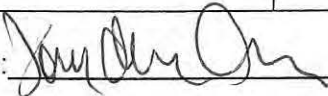
Trainer:  Signature:  Date: 05 / 16 / 2020

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No.	Employee Name	Company	Signature	Date
1.	DAVID SWERT	MR. CRAW		18 MAY 20
2.	JAMES CAMERON	OPSTEEL		05/18
3.	JOIS GARCIA	SAFWAY		05-18-20
4.	Fernando Trecedo	SAFWAY		05.18.20
5.	Chris Ramirez	CONNOR		5-18-20
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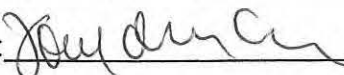
Trainer:  Signature:  Date: 05/18/2020

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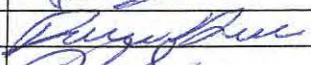
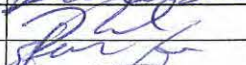


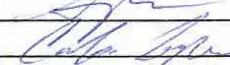

No.	Employee Name	Company	Signature	Date
1.	MICHAEL DILLARD	MR CRANE		5-19-20
2.	Eric Chace	Southern		5-19-20
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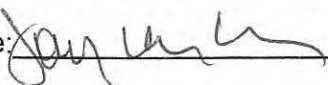
Trainer: Lise Pedraza-Garcia Signature:  Date: 05 / 19 / 2020

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No.	Employee Name	Company	Signature	Date
1.	Ricky Sierra	Paul		5-20-20
2.	Ramon Parias	PMI		5/20/20
3.	Ryan Alcaraz	OP Steel		5/20/20
4.	Sam Tamaeja	Brand/Sentury		5-20-20
5.	Miguel I. Villaseñor	Brand so far		5/20/20
6.	Andrew Ramirez	OP Steel		5/20/20
7.	Carlos Lopez	OP Steel		5-20-20
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Trainer:  Signature:  Date: 05/20/20

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No.	Employee Name	Company	Signature	Date
1.	SHANNON SCRUGHAN	MONTROSE	[Signature]	5/22/20
2.	John Petrucci	MAQS	[Signature]	5/22/20
3.	Hannah Simon	MAQS	[Signature]	5/22/20
4.	Robert Howard	MAQS	[Signature]	5-22-20
5.	Christopher Sims	MAQS	[Signature]	5-22-20
6.	Israel Garcia	Mad Steel	[Signature]	5-22-20
7.	Frank V. Rocha	OP Steel	[Signature]	5-22-20
8.	RYAN TWEEDT	CONNO R.C.	[Signature]	5-22-20
9.	Christopher Pineda	Granite	[Signature]	5.22.20
10.	JESUS CORREA	SOUTHERN	[Signature]	5/22/20
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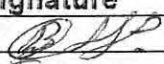
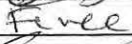
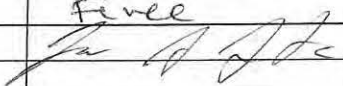
Trainer: Page Dentino Green Signature: [Signature] Date: 05/22/2020

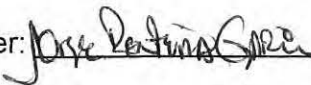
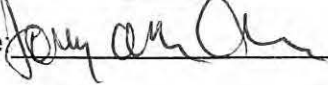
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Certification of Completion of Worker Environmental Awareness Education Program

Stanton Energy Reliability Center (SERC) Project, Orange County, California
Cultural, Paleontological, and Biological Resources Education Program Verification
All On-Site Employees

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No.	Employee Name	Company	Signature	Date
1.	Bernardo Hernandez	Alcorn		5-26-20
2.	Victor Torres	Alcorn		5-26-20
3.	Luis A Armenta	Alcorn		5-26-20
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Trainer:  Signature:  Date: 05/26/2020

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No.	Employee Name	Company	Signature	Date
1.	Dean Hollinger	Southern Cont. Co	D Hollinger	5-27-2020
2.	GARY NELSON	RMA GROUP	Gary Nelson	5/27/20
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Trainer: Jose Patricia Green Signature: [Signature] Date: 05 / 27 / 2020

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No.	Employee Name	Company	Signature	Date
1.	Jerry Bright	GPSTEEL	J. Bright	5-18-20
2.	Robert Vasquez	Southern	Robert Vasquez	5-28-2020
3.	Luis G. Eligio	ALCORN FENCE	Luis G. Eligio	5-28-2020
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Trainer: Jerry Perkins Signature: [Signature] Date: 05/28/2020

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No.	Employee Name	Company	Signature	Date
1.	Jorge Penabaz	Brand Saturday	Jorge Penabaz	5/29
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Trainer: Jorge Penabaz Signature: Jorge Penabaz Date: 05/29/2020

Attachment 5 – CIVIL

<Attachment 5 has been deliberately left blank in this reporting period>

Attachment 6 – Cultural Resources

Cultural Resources Monitoring Activities Monthly Compliance Report for the Stanton Energy Reliability Center Project (16-AFC-1C) May 2020

Prepared For: John Heiser/California Energy Commission
Tim Bofman/SERC, LLC

Copies: Carmen Gratais, SERC, LLC
Doug Davy/Jacobs
Karen Parker/Jacobs
Phil Reid, CRS/Jacobs

Prepared By: Natalie Lawson, Alternate CRS /PaleoWest
Reporting For Period: May 2020

This May 2020 Monthly Compliance Report (MCR) summarizes cultural resources monitoring activities conducted and documentation prepared from May 1 through May 31, 2020 for the Stanton Energy Reliability Center (SERC) (16-AFC-1C) site located at 10711 Dale Avenue, Stanton, Orange County, California. Excavations in May included those for adjustments to the fence alignment along the southern boundary of the project, for post holes for the front gate on Dale Avenue, for electrical and communication lines and cathodic protection lines on the SoCalGas line at the MSA yard, and for the installation of the cable pads and electrical lines on Parcel 2 for the BESS. The MCR is prepared in accordance with the current (November 2018) Cultural Resources Mitigation and Monitoring Plan (CRMMP) and as required by California Energy Commission license Condition of Certification CUL-6.

Personnel Active in Monitoring This Period

PaleoWest Alternate Cultural Resources Specialist (CRS) Natalie Lawson and Cultural Resources Monitor (CRM) Jennifer (McElhoes) Moritz monitored during this reporting period.

Native American Monitors (NAM) for this reporting period were Robert Dorame and Gabriel Robles.

TABLE 1

Number of CRMs and NAMs Present, by Date

Date	CRMs	NAMs
05/01/2020	1	1
05/05/2020	1	1

TABLE 1

Number of CRMs and NAMs Present, by Date

Date	CRMs	NAMs
05/11/2020	1	1
05/12/2020	2	1
05/13/2020	2	1
05/14/2020	2	1
05/15/2020	2	1
05/18/2020	1	1
05/26/2020	1	1
05/27/2020	1	1
Total CRM/NAM-Days	14	10

Overview of Monitoring Work and Any Issues

Project ground disturbance for this period began on Friday, May 1, 2020. Activities monitored on the SERC plant included trench excavations for the electrical lines and small excavations for cable pads associated with the BESS on Parcel 2. Augering and excavations for fence realignment along the southern boundary also occurred this month. The fence required realignment at the storm drain and at the western end of Parcel 2. Small excavations also occurred for post holes for the front gate on Dale Avenue on Parcel 1. Excavations for the cable pads only reached into recompacted fill and were no longer monitored after the first excavation was completed. Excavations for the electrical line reached up to 3 feet below current surface. Augering and excavations for the fence work extended to 42 inches below the current surface. The post holes for the front gate extended to 3 feet below the surface.

Activities monitored for the SoCalGas pipeline included trench excavations and pot holing for the electrical and communication lines, as well as trenching for the cathodic protection lines. All work occurred at the MSA Yard. Depths extended up to 10 feet below the current street surface for the electrical and communication lines and up to 3 feet below the current surface for the cathodic protection lines.

Native sediments were observed in all excavations, except the cable pads, in May. Native sediments observed on Parcel 2 began approximately 2 feet to 3 feet below the current surface and consisted of light brown moderately compacted and medium-grained sand. Observed native sediments in the MSA Yard were found at approximately 2 ½ feet below current surface and consisted of medium compacted reddish-brown sand.

Cultural Resources Discoveries This Period

No cultural resources were discovered during the month of May.

Fulfillment Requirements of Each Cultural Resource Mitigation Measure

Table 2 describes the fulfillment requirements of each cultural resources mitigation

measure (Condition of Certification) and lists the state of compliance with the measure. For complete text of the measures, please see the Commission Decision.

TABLE 2

Fulfillment Requirements of Each Cultural Resources Mitigation Measure

Measure	Requirements	State of Compliance
CUL-1: Appointment and Qualifications of Cultural Resources Personnel	<ul style="list-style-type: none"> Owner must appoint a designated Cultural Resources Specialist (CRS) and Alternate CRSs. CRS will manage monitoring and reporting and make recommendations regarding eligibility of finds for California Register of Historical Resources CRS may obtain services of Cultural Resources Monitors (CRMs) and Native American Monitors (NAMs) CRS may obtain services of additional technical specialists as needed. 	In compliance <ul style="list-style-type: none"> Owner has appointed CRS and Alternate CRS. CRS is directing monitoring. CRS has obtained services of CRMs and NAMs No additional technical specialists have been required
CUL-2: Information to be Provided to CRS	<ul style="list-style-type: none"> Owner must provide CRS with project information including the Application for Certification, cultural resources reports, data request responses, Final Staff Assessment, and Commission Decision, and project designs and maps. Owner must provide CRS with a weekly construction schedule Owner must notify CRS of any changes to construction phases. 	In compliance <ul style="list-style-type: none"> Owner has provided CRS with project information and maps Owner provides three-week lookahead schedule weekly There have been no changes to the construction phases.
CUL-3: Cultural Resources Mitigation and Monitoring Plan (CRMMP)	<ul style="list-style-type: none"> The CRS must prepare a CRMMP, including a research design, implementation schedule, identification of cultural resources personnel, plan for Native American participation, description of impact avoidance measures, plan for curation, and LORS compliance plan for human remains. 	In compliance <ul style="list-style-type: none"> The CRMMP has been prepared and approved by the CPM
CUL-4: Final Cultural Resources Report	The CRS must prepare a final Cultural Resources Report after construction is complete summarizing all field activities and including copies of all DPR forms and cultural resources reports associated with project construction.	Not applicable – construction is not completed.
CUL-5: Cultural Resources Worker Environmental Awareness Program (WEAP)	<ul style="list-style-type: none"> The CRS must prepare a WEAP training module and brochure describing the potential for cultural resources discovery, procedures to follow in case of emergency discovery, and penalties for non-compliance. All workers must receive the training during their first week on on-site employment and must sign a sheet documenting that they have received the training 	In compliance <ul style="list-style-type: none"> All workers on site have viewed the video/PowerPoint training and signed the documentation sheet (found in the Biological Resources Compliance report).
CUL-6: Cultural Resources Monitoring	<ul style="list-style-type: none"> The CRS, Alt CRS, or CRMs must be onsite to monitor ground disturbance in native (non-fill) soils. The CRS must obtain the services of a NAM to monitor ground disturbance in non-fill sediments. CRMs and NAMs must prepare a daily field report, to be submitted daily by the CRS. 	In compliance <ul style="list-style-type: none"> The CRS or CRM has monitored ground disturbance. A NAM monitored ground disturbance The CRS has submitted the daily

TABLE 2

Fulfillment Requirements of Each Cultural Resources Mitigation Measure

Measure	Requirements	State of Compliance
	<ul style="list-style-type: none"> The CRS must prepare a Monthly Compliance Report summarizing activities of CRS, CRMs, and NAMs. The CRS must report incidents of non-compliance with LORS 	<p>field reports</p> <ul style="list-style-type: none"> The CRS has prepared this Monthly Compliance Report There have been no incidents of non-compliance with LORS
CUL-7: Powers of CRS/Cultural Resources Discovery Protocol	<ul style="list-style-type: none"> The CRS has authority to halt construction in the event of a cultural resource find The CRS or CRM must record the find on Form DPR-523 and notify the CPM If human remains are found, the CRS must notify the Native American Heritage Commission. If the find would be of interest to Native Americans, the CRS must notify Native American groups that have expressed an interest in notification. 	<p>In compliance</p> <ul style="list-style-type: none"> No cultural resources were found this month No human remains have been found No finds of interest to Native Americans have been made
CUL-8: Fill Soils	<p>If the project will use fill from a non-commercial borrow site or deposit sediments in a non-commercial fill site, the CRS must conduct a pre-construction cultural resources survey of the site.</p>	<p>In compliance</p> <ul style="list-style-type: none"> No new sources of non-commercial fill or disposal were identified for use this month.

WEAP Training This Period

All on-site staff received cultural resources Worker Environmental Awareness Program (WEAP) training prior to starting work on site this month. From May 1 to 31, 2020, a total of 86 persons completed the SERC WEAP training. The hard copy training logs for the May 2020 reporting period are included in the Biological Resources Monthly Compliance Report.

Anticipated Changes in the Next Period

Miscellaneous excavations are expected to occur in June 2020. CRMs will be onsite to monitor excavations with the potential to impact native soils and to respond to discoveries if they occur.

Comments, Issues or Concerns

None.

Attachment 7 - Paleontology

**Monthly Report of Paleontological Resources Monitoring
Activities for the Stanton Energy Reliability Center
Condition of Certification PAL-6
May 2020**

Prepared For: Doug Davy/Jacobs
Karen Parker/Jacobs

Prepared By: Niranjala Kottachchi/PaleoWest

This report covers paleontological resources monitoring activities at the Stanton Energy Reliability Center Project (Project) for the month of May 2020, as required by California Energy Commission license Condition of Certification PAL-6.

Personnel Active in Paleontological Monitoring This Period

None – Please see below.

Monitoring and Associated Activities This Period

PaleoWest's Principal Investigator, Niranjala Kottachchi conducted the paleontological monitoring program for the Project. Excavations during the month of May focused on adjustments to the fence alignment along the south end of the Project. In addition, excavations took place for post holes for the front gate on Dale Avenue, for electrical and communication lines and cathodic protection lines on the SoCal Gas line at the MSA yard, and for the installation of the cable pads and electrical lines on Parcel 2 for the BESS. All excavations were less than 10 feet in depth. As per the Paleontological Resources Monitoring and Mitigation Plan (PRMMP), the stratigraphy of the upper 10 feet consists of disturbed/artificial fill and/or younger Quaternary alluvium (found below the disturbed/artificial fill), both of which have low paleontological sensitivity. Due to the nature of the soils, no paleontological monitoring was required.

Paleontological Resources Discoveries This Period

No paleontological resources were discovered during the month of May 2020.

Anticipated Work and/or Changes in the Next Period

Miscellaneous activities will take place during the month of June 2020 but will unlikely require paleontological monitoring.

Comments, Issues or Concerns

None to report.

Attachment 8 – ELEC-1

MEMORANDUM – DCBO APPROVAL

DATE: March 17, 2020

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Alan Vallow, P.E., Senior Electrical Engineer
NV5, Inc.
Alan.Vallow@NV5.com
209.329.0765

CC: Eric Rodriguez, Lead Engineer
NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_ELEC-1-23.0_BEES SWGR AC/DC SCHEMATICS_200303_PCF

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the STANTON ENERGY RELIABILITY CENTER (16-AFC-01), has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Should you have any questions or need additional information, please feel free to contact me.

SERC_16-AFC-01
--- REVIEWED ---
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Digitally signed by
Alan Vallow, PE
Reason: Reviewed for
Code Compliance
Date: 2020.03.17
09:28:30 -07'00'

MEMORANDUM – DCBO APPROVAL

DATE: March 17, 2020

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Alan Vallow, P.E., Senior Electrical Engineer
NV5, Inc.
Alan.Vallow@NV5.com
209.329.0765

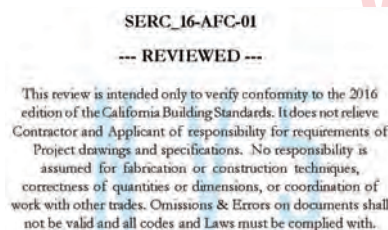
CC: Eric Rodriguez, Lead Engineer
NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_ELEC-1-27.0_BEES AG RACEWAY PLANS_200303_PCF

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the STANTON ENERGY RELIABILITY CENTER (16-AFC-01), has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Should you have any questions or need additional information, please feel free to contact me.



Digitally signed
by Alan Vallow, PE
Reason: Reviewed
for Code
Compliance
Date: 2020.03.17
09:07:02 -07'00'

MEMORANDUM – DCBO APPROVAL

DATE: May 1, 2020

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Alan Vallow, P.E., Senior Electrical Engineer
NV5, Inc.
Alan.Vallow@NV5.com
209.329.0765

CC: Eric Rodriguez, Lead Engineer
NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_ELEC-1-34.0_Arc Flash Report_200417_PCF

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the STANTON ENERGY RELIABILITY CENTER (16-AFC-01), has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Should you have any questions or need additional information, please feel free to contact me.

MEMORANDUM – DCBO APPROVAL

DATE: May 11, 2020

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Alan Vallow, P.E., Senior Electrical Engineer
NV5, Inc.
Alan.Vallow@NV5.com
209.329.0765

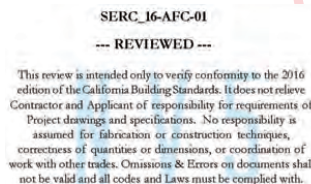
CC: Eric Rodriguez, Lead Engineer
NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_ELEC-1-31.0_RELAY PANEL WIRING DIAGRAMS_200424_PCF

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the STANTON ENERGY RELIABILITY CENTER (16-AFC-01), has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Should you have any questions or need additional information, please feel free to contact me.



Digitally signed by
Alan Vallow, PE
Reason: Reviewed
for Code
Compliance
Date: 2020.05.11
07:50:43 -07'00'

MEMORANDUM – DCBO APPROVAL

DATE: May 6, 2020

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Alan Vallow, P.E., Senior Electrical Engineer
NV5, Inc.
Alan.Vallow@NV5.com
209.329.0765

CC: Eric Rodriguez, Lead Engineer
NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_ELEC-1-24.0_X1_EXP_BESS UG RCWY PLANS_200504_PCF

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the STANTON ENERGY RELIABILITY CENTER (16-AFC-01), has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

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SERC_16-AFC-01
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Digitally signed
by Alan Vallow, PE
Reason: Reviewed
for Code
Compliance
Date: 2020.05.06
11:08:26 -07'00'

MEMORANDUM – DCBO APPROVAL

DATE: May 22, 2020

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Alan Vallow, P.E., Senior Electrical Engineer
NV5, Inc.
Alan.Vallow@NV5.com
209.329.0765

CC: Eric Rodriguez, Lead Engineer
NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_ELEC-1-35.0_X1_BESS AREA 1LINE EQUIP PLN & DGRMS_200508_PCF

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the STANTON ENERGY RELIABILITY CENTER (16-AFC-01), has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

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SERC_16-AFC-01
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Digitally signed by
Alan Vallow, PE
Reason: Reviewed
for Code
Compliance
Date: 2020.05.22
09:26:36 -07'00'

Attachment 9 – GEN-2 Master Drawing List

<Attachment 9 has been deliberately left blank in this reporting period>

Attachment 10 – GEN-3 CBO Payment

[Home](#) [Accounts](#) [Payments](#) [Transfers](#) [Check Services](#) [Tools](#)

Timeout: 0:14:56

View US Wire

Use this page to view a US Wire

[Help](#)[View Payment History](#)

Payment Information

Status	Confirmed
Confirmation Number	IMAD:0522L4B74B1C000392
Payment Number	52177847
Debit Account	SERC OP - *****6538
Debit Amount	160,087.11 USD
Value Date	05/22/2020
Send Date	05/22/2020
Frequency	One-Time Only
Reference for Recipient	SERC
Details of Payment	Stanton Energy Reliability Center Invoice 159632
Ordering Customer	

Recipient Information

Recipient	NV5 Inc. Account Number [REDACTED] 200 S Park Road STE 350 Hollywood, FL 33021-8798
Recipient Bank	BANK OF AMERICA, N.A., NY ABA (Wire) 026009593 NEW YORK NY UNITED STATES

Options

Intermediary Bank**Receiving Bank****Bank to Bank Information**[Cancel](#)

Attachment 11 – GEN-6 Special Inspectors

<Attachment 11 has been deliberately left blank in this reporting period>

Attachment 12 – Gen-7 Discrepancy

<Attachment 12 has been deliberately left blank in this reporting period>

Attachment 13 – GEN-8 Final Inspections

INSPECTION RESULT

INSPECTION MADE: Inspected the Transformer foundation / Mezzanine foundation

DATE / TIME: 20/05/06 **INSPECTOR:** V.Gruber

☒ **APPROVED**

☐ **AT RISK**

☐ **DISAPPROVED**

☐ **PHASE PASS**

☐ **REINSPECTION REQUIRED**

SIGNATURE:

RECEIVED
--REVIEWED--
The review is conducted solely for informational purposes and does not constitute a warranty or guarantee of any kind. The reviewer is not responsible for any errors or omissions in the original document. The reviewer is not responsible for any errors or omissions in the original document. The reviewer is not responsible for any errors or omissions in the original document.

Digitally signed by Victor
Gruber
Date: 2020.05.06
16:17:54 -07'00'

DATE:

COMMENTS:

Walked rebar with RMA/TTSC/Wellhead. Reviewed anchor bolts, reviewed rebar spacing and clearances. Reviewed bonding. The T&B mat consisted of #10 at 12" E/W. The type of rebar was 706 60 Grade. All exothermic welds appeared to be well placed. The contractor submitted RFI to add a number 4 grounding grid connection inside of the foundation. RFI number 10 TTSC was reviewed and approved. No concerns at this time will review mud tomorrow morning to ensure all debris have been removed. Approved.

OFFICES NATIONWIDE

INSPECTION RESULT

INSPECTION MADE:

DATE / TIME: 4/23/2020 INSPECTOR: Sean Bristol

☒ **APPROVED**

☐ **AT RISK**

☐ **DISAPPROVED**

☒ **PHASE PASS**

☐ **REINSPECTION REQUIRED**

SIGNATURE:



Digitally signed by Sean
Bristol
Date: 2020.04.30
09:05:04 -07'00'

DATE: 4/23/2020

COMMENTS:

Construction conforms to plan-set pour completed on 20200425

INSPECTION RESULT

INSPECTION MADE:

DATE / TIME: 04/25/2020 INSPECTOR: Sean Bristol

☒ APPROVED ☐ AT RISK
☐ DISAPPROVED ☐ PHASE PASS
☐ REINSPECTION REQUIRED

SIGNATURE:



Digitally signed by Sean
Bristol
Date: 2020.04.30
09:06:08 -07'00'

DATE: 4/30/2020

COMMENTS:

Construction conformed to plan set no issues. Pass 20200430

Attachment 14 – SOIL&WATER-4 Water Use

MONTHLY WATER USAGE LOG

May 2020

Meter # 19333855			Hydrant Meter on Pacific	
8320 Pacific St.			8320 Pacific St.	
Stanton, CA 90680			Stanton, CA90680	
Date	Meter Read	CuFt	Meter Read	CuFt
4/30/2020				
5/1/2020	3006.6	390.9		
5/2/2020	3397.5	0		
5/3/2020	3397.5	227.9		
5/4/2020	3625.4	206.7		
5/5/2020	3832.1	0	3683.9	
5/6/2020	3832.1	0	3685.9	2
5/7/2020	3832.1	0	3691.5	5.6
5/8/2020	3832.1	0	3691.5	0
5/9/2020	3832.1	0	3691.5	0
5/10/2020	3832.1	0	3691.5	0
5/11/2020	3832.1	0	3699	7.5
5/12/2020	3832.1	0	3703.9	4.9
5/13/2020	3832.1	0	3706.8	2.9
5/14/2020	3832.1	0	3709.3	2.5
5/15/2020	3832.1	0	3712.9	3.6
5/16/2020	3832.1	0	3716.2	3.3
5/17/2020	3832.1	0	3716.2	0
5/18/2020	3832.1	0	3720.8	4.6
5/19/2020	3832.1	0	3725.4	4.6
5/20/2020	3832.1	0	3729.3	3.9
5/21/2020	3832.1	0	3733.9	4.6
5/22/2020	3832.1	0	3735.4	1.5
5/23/2020	3832.1	0	3735.4	0
5/24/2020	3832.1	0	3735.4	0
5/25/2020	3832.1	0	3735.4	0
5/26/2020	3832.1	0	3737.8	2.4
5/27/2020	3832.1	0	3737.8	0
5/28/2020	3832.1	0	3737.8	0
5/29/2020	3832.1	0	3737.8	0
5/30/2020	3832.1	0	3737.8	0
5/31/2020	3832.1	0	3737.8	0
6/1/2020	3832.1			
Sub Total		826 CuFt		54 CuFt
Total		879 CuFt		

Attachment 15 – SOIL&WATER-8 Encroachment Permit

< Attachment 15 has been deliberately left blank in this reporting period >

Attachment 16 – STRUC-1 CBO Approvals

MEMORANDUM – DCBO APPROVAL

DATE: April 21, 2020

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Alan Ho, S.E., Senior Structural Engineer
NV5, Inc.
Alan.Ho@nv5.com
916.346.8866

CC: Eric Rodriguez, Lead Engineer
NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_STRUC-1-48.0_EXP_X1_BESS FDN PLANS &
CALCS_200416_PCF

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Should you have any questions or need additional information, please feel free to contact me.

SERC_16-AFC-01

--- REVIEWED ---

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Digitally signed by
Alan Ho

Reason: Reviewed for
Code Compliance for
foundation only.

Date: 2020.04.22
08:34:19 -07'00'

MEMORANDUM – DCBO APPROVAL

DATE: May 6, 2020

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Alan Ho, S.E., Senior Structural Engineer
NV5, Inc.
Alan.Ho@nv5.com
916.346.8866

CC: Eric Rodriguez, Lead Engineer
NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_STRUC-1-46.0_BEES MEZZ STRUC_200427_PCF

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

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SERC_16-AFC-01

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Digitally signed by Alan Ho
Reason: Reviewed for Code Compliance.

Date: 2020.05.06 09:26:27
-07'00' ®

MEMORANDUM – DCBO APPROVAL

DATE: May 17, 2020

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Alan Ho, S.E., Senior Structural Engineer
NV5, Inc.
Alan.Ho@nv5.com
916.346.8866

CC: Eric Rodriguez, Lead Engineer
NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_STRUC-1-SI-053-Add Handrail Repair_200507_PCF

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Should you have any questions or need additional information, please feel free to contact me.

SERC_16-AFC-01

--- REVIEWED ---

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Digitally signed by
Alan Ho
Reason: Reviewed for
Code Compliance.
Date: 2020.05.17
19:10:44 -07'00'

Attachment 17 – TRANS-1 Permits

Attachment 17 has been deliberately left blank in this reporting period

Attachment 18 – Safety Inspection Report



SERC – PSC MONTHLY SAFETY INSPECTION COMPLIANCE REPORT

MAY 2020

The following information for the SERC Project safety inspection and compliance to the site as required by CEC, CBO and Wellhead in the month of May 2020.

We have been in compliance with all safety policies and procedures on the SERC project. Personnel have been participating in our Personal Safety Commitment observation program and stop work responsibility has been a big focus to our constantly changing safety culture. We have a skeleton crew of ARB Personnel.

Laborers, Millwrights & Electricians were on site for touch up on fencing, Electrical Operation support and cleaning of the laydown yard.

No All Hands Safety Meetings were conducted due to the COVID-19 procedures in place. Crews did however conduct STAR Card/ JSA meeting with only one person handling the documents and Safety topics were discussed then. This Month of May 2020 was pretty uneventful and safe. Continued focus on PPE, Spotters, Power lines, LIVE Units and Heat Stress Illnesses were maintained.

We have had no First Aids, no Near Misses, no Recordables or Loss Time Injuries to report for this month. Nothing further to report.

Tim Draper,
ARB, Inc. Safety Manager,
SERC Project Safety
tdraper@prim.com
(949) 678-1643



MAY 2020
MONTHLY SAFETY INSPECTION COMPLIANCE REPOT
SERC / BESS = Battery Energy Storage System
Stanton, CA

TTSC continued working with SERC/NV5/Jacobs to commence site safety protocols including the implementation of the site-specific training program as well as the WEAP orientation. Additional training regarding COVID-19 has been added to be a part of the site-specific training requirement. This includes daily reminders of hand washing and social distancing. Temperatures of each team member are taken during the morning safety meeting as the employees enter the jobsite. Hand sanitizer has been placed around the jobsite in multiple locations.

Major site activities for the month of May included:

- Forming
- Concrete Pouring
- Crane and Rigging for the setting of equipment
- Steel erection
- Wire Pulling and terminating

Site personnel were indoctrinated per the site safety programs. Please note a few of the site hazards that were discussed such as:

- Watch for overhead crane work
- Confirm back up alarms work on the equipment
- Verify distances for work around the overhead power lines
- Perform weekly all hands safety meetings on Scaffold Safety in Construction, Working Around Heavy Equipment, Accidents Are Avoidable. Perform Scaffolding Safety Awareness orientations
- Lifting, pulling and power tool use.

For the month of May we note the following:

- No First Aids
- No Near Misses
- No Recordable or Lost Time injuries

Jorge Garcia
jgarcia@SMARTSafetyGroup.com
432-661-3684

Attachment 19 – CIVIL-3 Non-Compliance Reports

<Attachment 19 has been deliberately left blank in this reporting period>

Attachment 20 - COM-6 Filings & Permits to/by Government Agencies

<Attachment 20 has been deliberately left blank in this reporting period>

Attachment 21 - COM-11 Reporting of Complaints, Notices, and Citations

SERC
COMPLAINT REPORT AND RESOLUTION LOG

Incident #	Incidents Occurred this Period	Resolution Actions Taken	Status of Unresolved Actions form Previous MCR's
01	Complaint about Track-out on Dale Ave.	<p>All construction equipment vehicle tires shall be inspected and washed as necessary to be cleaned free of dirt prior to entering Dale Ave.</p> <ol style="list-style-type: none"> 1. Additional gravel was added to the existing ramps at the tire washing/cleaning station 2. Additional laborers were assigned to the Dale Ave entrance when there is a risk of any track-out to scrape and sweep immediately. A Sweeping machine is being kept on location and be used as necessary to clean up all track-out. 3. The assigned laborers will also be sweeping the rumble plates when build-up occurs to maintain the efficiency of the plates. 4. Above and beyond, the contractor added another set of rumble plates and gravel at the Dale Ave. entrance. 	N/A
02	Noise Complaint	<p>SERC received a noise complaint at 9:33am on Friday, April 5, 2019. The complaint came from a Mr. Hill who lives at the Katella Mobile Home Estates located at 10800 Dale Ave, Stanton, CA. Mr. Hill complained about the use of a chainsaw at 3:10 am on Saturday morning (3/30/19) and hearing an air compressor and the hammering of nails at 3:25 am on Monday morning (4/1/19). Representatives from SERC spoke with Mr. Hill at 2:19pm on Friday April 5th to better understand his complaint.</p> <p>SERC investigated the incident with ARB and confirmed that there was no activity on the SERC site during these hours. The Noise Complaint Resolution Form (COC NOISE 2) was submitted to the CPM documenting the complaint.</p>	

Attachment 22 – MECH-1 CBO Inspection Approvals

<Attachment 22 has been deliberately left blank in this reporting period>

Attachment 23 – TRANS-5 Hazardous Materials Delivery & Waste Licensing

<Attachment 23 has been deliberately left blank in this reporting period>

End Report