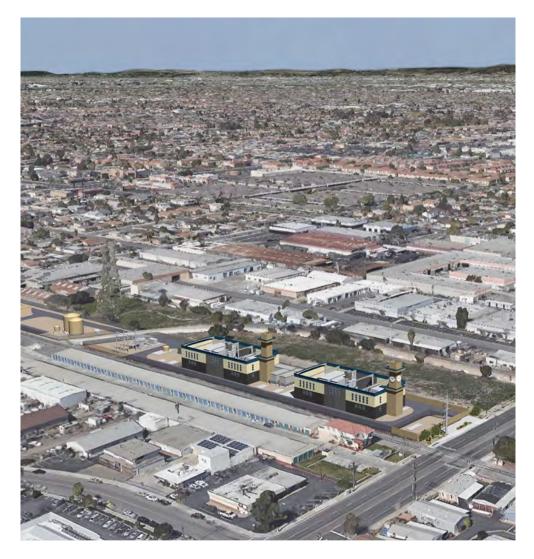
DOCKETED	
Docket Number:	16-AFC-01C
Project Title:	Stanton Energy Reliability Center - Compliance
TN #:	230182
Document Title:	Stanton Energy Reliability Center MCR No 8 September 2019
Description:	Monthly Compliance Report Number 8 Reporting Period September
•	2019
Filer:	Susan Fleming
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Stanton Energy Reliability Center

CEC Docket No. 16-AFC-01 Monthly Compliance Report No. 8 Reporting Period: September 2019



Prepared by Stanton Energy Reliability Center, LLC (SERC) Submitted October 12, 2019 Table of Contents

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Key Events List

PROJECT:	Stanton Energy Reliability Center	
DOCKET #:	16-AFC-01	
COMPLIANCE PROJECT MANAGER:	John Heiser	
EVENT D	ESCRIPTION	DATE
CEC Decision Date		November 7, 2018
Obtain Site Control		February 12, 2019
Online Date		July 1, 2020
POWR PLANT	SITE ACTIVITIES	
Start Site Assessment/Pre-Constructio	n	January 31, 2019
Start Site Mobilization/Construction		February 12, 2019
Begin Pouring Major Foundation Conc	rete	March 29, 2019
Begin Installing Major Equipment		September 4, 2019
Completion of Installation of Major Eq	uipment	December 24, 2019
First Combustion of Gas Turbine		December 23, 2019
Obtain Building Occupation Permit		TBD
Start Commercial Operation		BESS July 1, 2020;
		LM6000 July 1, 2020
Complete All Construction		April 28, 2020
	N LINE ACTIVITIES	
Start Transmission Line Construction		August 2019
Complete Transmission Line Construct		November 2019
Synchronization with Grid and Interco		March 2, 2020
	LINE ACTIVITIES	
Start Gas Pipeline Construction and Int	terconnection	August 2019
Complete Gas Pipeline Construction		November 2019
	Y LINE ACTIVITIES	
Start Water Supply Line Construction		TBD
Complete Water Supply Line Construct	tion	TBD

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 (LNTP) on January 31, 2019, allowing the start of construction activities at the power plant site. The Full Notice to Proceed (FNTP) 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: September 2019.

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).

September marks the start of equipment setting and erection on Parcel 1. The Combustion Turbine Enclosures, Generator Enclosures, and several auxiliary skids were set on Units 1 and 2. The Generator Step-up Transformer (GSU) was set on its foundation and was dressed out. The Power Distribution Module (PDM) and Unit 1 Control Module (CM) were also set on their foundations.

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 September 2019.

Activity	Percent Complete
Engineering	
Power Island	99%
CBO Support	75%
BESS Design	33%
Procurement	
Owner Supplied Equipment	93%
Contractor Supplied Equipment	81%
Construction	
Power Island	39%
BESS	1%

1.1 Engineering

Through the month of September 2019, Power Engineering (PEI) continued to support SERC with responses to CBO comments, provision of lists to expedite approvals, and visit the site as required by the CBO. PEI continues to receive RFI's and contractor material submittals. Weekly meetings are held with the DCBO and CPM to review progress.

Power Engineers also prepared and submitted reports for structural site visits. 15-kV switchgear schematic drawings were issued for review. A sketch of the SCE duct bank was provided for SCE use. Provided balance of plant cable terminations. The supervisory control system logic diagrams were issued for review, and Power Engineers continued programing for these systems. Substation relay panel terminations were issued.

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

- Continued to receive contractor request for information and respond.
- Prepared engineering supplemental information documents to construction with design modifications.
- Continued to receive equipment vendor shop drawings for review, comment and coordination with design.
- Continued to respond to DCBO comments.
- Continued to participate in weekly design coordination calls.

1.2 Procurement

The procurement of Owner Supplied Equipment (OSE) continues and is currently 93% complete.

The procurement of Contractor Supplied Equipment (CSE) continues and is currently 81% complete. Major procurement activities completed by construction contractor in September include:

- Cable Tray Procurement
- Received Demin Tank Material Delivery

1.3 Construction

During the month of September Began receiving Owner Supplied Equipment and setting the following major equipment in parcel 1 :

- Unit 1 CT Enclosure and Generator Enclosure
- Unit 1 Fin Fan Lube Oil Cooler, Auxiliary Skid, Water Injection Skid and Fogging Skid
- Unit 2 CT Enclosure and Generator Enclosure
- Unit 2 Fin Fan Lube Oil Cooler, Auxiliary Skid, Water Injection Skid and Fogging Skid
- Unit 2 Generator
- Generator Step-up Transformer
- Power Distribution Module (PDM) and Unit 1 Control Module (CM)
- Fuel Gas Compressor and Fuel Gas Compressor Fin Fan cooler

Safety:

The month of September was completed with two First Aids, no lost time injuries or recordables injuries. Weekly all hands meetings continue to address issues and raise morale through training and information.

During this reporting period the project worked 14,153 man-hours without a lost time or recordable incident. To date, the project has worked 80,700 man-hours without a lost time,

or recordable Incident, and only four first aids. An employee appreciation lunch was provided to all employees acknowledging the sites safety record.

Weekly coordination calls were held amongst project participants during the reporting period.

Civil:

- Continued backfill around Trenwa on Unit 1
- Excavation and backfill for miscellaneous foundations

Piping:

- Installation of Aboveground Pipe continued in Parcel 1
- Began installation of Above Ground (AG) Pipe at the Gas Compressor and Unit 2 areas
- Completed installation of piping on Utility Bridge
- Continued working in the Water Treatment area

Structural:

- Completed Switchyard area foundations
- Completed 4160V FGC Aux Foundation
- Completed SPM fire wall and piers for PDM and CMs
- •

Electrical:

- Continued Material Procurement
- Working on installation of Trenwa along Unit 1 foundation
- Continued installing Cable Tray
- Installed AG conduit on equipment as it is being set
- Supported generator installation
- Grounding of AG Equipment and structures
- Completed 66kV Duct bank

1.4 Explanation of Significant Changes to the Schedule

Mechanical Completion has been forecasted from February 26, 2020 to February 27, 2020 as shown in the September MCR.

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 in 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 AQCMM'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 AQCMM'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 AQCMM'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 84 personnel received the Worker Environmental Awareness Program (WEAP) training. The total number of personnel trained to date is 427. 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 preconstruction 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: 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-10: On September 13, 2019 SERC filed a Petition for Post Certification Change (TN#: 229730) with the CEC requesting the site boundary be modified to eliminate a portion of Parcel 2 from the Commission Final Decision. The petition is still under review by the CEC staff and docketed on September 26 starting the 14-day public comment period.

On September 23, 2019 SERC filed a Petition for Post Certification Change (TN#:229517) with the CEC requesting three additional temporary construction laydown areas for gas pipeline work, parking, and equipment. The petition was approved by the CEC staff and docketed on September 26 starting the 14-day public comment period.

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-1: There were no additional CRS or CRM's proposed during the 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 84 personnel received the Worker Environmental Awareness Program (WEAP) training. The total number of personnel trained to date is 427 Documentation of worker training records for the reporting period is included in Appendix D of Attachment 4.

CUL-6: On September 23, 2019 the SoCal Gas construction contractor performed potholing in an area of native sediments without the proper monitors present resulting in a Non-Compliance condition. This is detailed in the Cultural Resources Specialist's monthly summary report and is included as Attachment 6 to this MCR.

CUL-7: There were no cultural resource discoveries made during the reporting period.

ELEC-1: Documentation of transmittal of electrical construction design review and approval by the DCBO during the reporting period. During this reporting period there where no review and approvals by the DCBO therefore Attachment 8 has been left blank.

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

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

GEN-6: There were three (4) additional special inspectors approved during the reporting period as indicated in Attachment 11.

GEN-7: During this reporting period there were no Design Discrepancy Correction as described in GEN-7.

GEN-8: There were no final inspections during this reporting period as described in GEN-8 (Attachment 13).

HAZ-2: On August 2, 2019 SERC filed a hazardous materials business plan and a spill prevention control countermeasures plan to the California Energy Commission and Orange County Environmental Health Division (OCEHD) for review. Comments were from the DCBO have been forwarded to the CEC for review. SERC will incorporate these comments once received from the CEC.

HAZ 8: On August 9, SERC made notification of the availability of the Site-Specific Site Security plan in accordance with HAZ-8. On August 21, 2019 CPM was on site and received a copy of the plan to review. On August 29, 2019 the CEC provided comments, SERC incorporated the comments and presented to the CEC during their site visit on September 18, 2019.

MECH-1: There were six (6) submittals from SERC to 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.

PAL-1: The additional PRM's (David Alecander, Tara Redinger, and Ryan Rolston) were proposed during the reporting period.

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 84 personnel received the Worker Environmental Awareness Program (WEAP) training. The total number of personnel trained to date is 427. Documentation of worker training records for the reporting period is included in Appendix D of Attachment 4.

PAL-6: On September 23, 2019 the SoCal Gas construction contractor performed potholing in an area of native sediments without the proper monitors present resulting in a Non-Compliance condition. 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 10860 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. Additionally, copies of the STRUC 1 transmittal cover sheets from the STRUC 1 submittals to the CBO were provided to the CPM in accordance with this condition of certification.

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 nineteen (19) 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 did not contract with licensed hazardous materials delivery and waste hauler companies for the transportation of hazardous materials and wastes during this reporting period.

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: There were three (30 receipts of major electrical equipment, testing or energizing of major electrical equipment construction of power plant switchyard, outlet line, and termination during this reporting period.

- Generator Step-up Transformer
- Unit 2 Generator
- 66kV SF6 Breaker and associated air disconnect switches

The OEM Delivery and Installation testing was performed on the Generator Step-up Transformer and Unit 2 Generator. Testing will be performed on the 66kV SF6 Breaker and associated air disconnect switches once the have been set in position.

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

WASTE-4: During this reporting period fourteen (14) forty-yard bins of construction waste left the site and two (2) 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 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 September 2019.

Attachment 1 – COM-6 Project Schedule

Page **13** of **492**

SERC Baseline Project Master	Schedule (w/ARB Sep Sched) CEC/SCE (F9)			WBS	Summar	Ъ											10-Oct-19 10:14
Activity ID	Activity Name	OD	% Comp Start	Finish	TF	Fin. Var.			2020		- T - T	\downarrow			2021		
		005					Sep Oct Nov Dec Jan Feb Mar A	pr May Ju	ın Jul Aı	ug Sep O	ct Nov De	c Jan F	Feb Mar	Apr Ma	y Jun Ju	I Aug S	ep Oct Nov De
	ect Master Schedule (w/ARB Sep Sched) & CEC	895	54.51% 26-Oct-16 A	02-Oct-21		-21											
LM6000 RAPA Key N		0	0% 01-Jul-20	01-Jul-20	254	0	2										
2	Expected Initial Delivery Date	0		01-Jul-20*	254	0	2		\$								
Storage RAPA Key N		0	0% 01-Jun-20	01-Jun-20	272	0	2										
4	Expected Initial Delivery Date	0	0%	01-Jun-20*	272	0)	\$									
GIA Key Milestones		34	0% 03-Feb-20	01-Apr-20	306	0											
6	In-Service Date (Initial Backfeed - Liquidated Damages Frc	0	0%	03-Feb-20*	486	0	> \$										
7	Initial Synchronization Date/Trial Operation (No Later Than)	0	0%	02-Mar-20*	323	0	> \$										
8	Commercial Operation Date (No Later Than)	0	0%	01-Apr-20*	179	0	▶ \$										
Pre-construction Act	tivities	701	96.29% 26-Oct-16 A	14-Nov-19	381	0											
CEC Permitting		434	100% 26-Oct-16 A	12-Feb-19 A		0)			!		- 					
12	Presiding Members Proposed Decision (PMPD) issued	1	100% 08-Oct-18 A	08-Oct-18 A		0											
13	Full Commission Decision for Approval	0	100% 13-Nov-18 A			0	ז										
15	CEC Decision Final (non-appealable)	0	100%	13-Dec-18 A		0											
14	Post-Approval 30-day appeal period	30	100% 13-Nov-18 A	13-Dec-18A		0											
11	Application for Certification	782	100% 26-Oct-16 A	17-Dec-18A		0				!				-!!		!!	
Pre-Construction Compliar	nce (CEC)	47	100% 13-Nov-18 A	12-Feb-19 A		0											
18	Limited Notice to Proceed (LNTP)	0	100%	31-Jan-19 A		0											
17	Compliance submittals necessary to get a Limited Notice	69	100% 13-Nov-18 A	31-Jan-19 A		0	\mathbf{p}										
20	Full Notice to Proceed (FNTP)	0	100% 12-Feb-19A			0											
19	Compliance submittals necessary to get a Full Notice to P	83	100% 13-Nov-18 A	12-Feb-19 A		0				!							
SCAQMD Air Permit		0	0% 15-Nov-18 A	15-Nov-18 A		0	3										
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	2										
24	"Issued For Bid" Engineering Package for Contractor Prici	174	100% 31-Oct-18 A	31-Oct-18 A		0											
25	Further Develop Engineering to Signed and Stamped Plan Stamped Plan	575	100% 31-Oct-18 A	17-Dec-18 A		0											
26	Receive Signed and Stamped Plan Set	1	100% 17-Dec-18 A	17-Dec-18A		0											
27	Vehicle Bridge Engineering	45	100% 29-Oct-18 A	18-Jan-19 A		0											
28	BESS & EGT Integration Engineering	105	100% 02-Jan-19 A	22-Feb-19 A		0											
29	Assemble Engineering into CBO submittal packages	148	100% 11-Dec-18 A	29-Aug-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)										
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-18A	28-Jan-19 A		0											
35	Orange County Public Works (OCPW) Encroachment Agre	4	100% 03-Dec-18 A	01-Feb-19 A		0											
32	SCE Easement Consent	81				0											
	ent (OSE) Procurement Schedule			14-Nov-19	381	0											
LM6000 Packages			100% 22-Feb-18A			0											
38	Effective Date of Turbine Supply Contract	0	100%	22-Feb-18 A		0											
39	Engineering Received from Manufacturer	45	100% 22-Feb-18 A	11-May-18 A		0											
Remaining Level of Effort	ffort Actual Work Critical Remaining Work Remaining Work Milestone			Page	e 1 of 15			TASK fi	lter: Not Le	evel Of Effo	ort.					© O	acle Corporation

	ster Schedule (w/ARB Sep Sched) CEC/SCE (F9) Activity Name		% Comp	Start	Finish	Summar	Fin.								2020		
-			70 00mp	Jun				Sep O	ct No	v Dec	Jan	Feb Ma	ar Apr I			Aug Ser	p Oct Nov
40	Order of Long Lead Time Items	0	100%	23-May-18 A			0									<u> </u>	
41	FNTP	0		23-Aug-18 A			0										
43	Receipt of Notice of Ready to Ship (RTS)	0	100%		11-Apr-19 A		0										
44	Delivery Per FCA (Goods Actually Ready For Shipment)	0	100%		21-May-19 A		0										
42	Manufacturer Time (FNTP-Delivery)	169		23-Aug-18 A	21-May-19 A		0					1					
A1000	Transportation From FCA Delivery Point To Site	40		21-May-19 A	-		0									· · ·	
Emissions Reduction U		356		08-Feb-18 A	14-Nov-19	381	0										
47	Effective Date of the ERU Supply Contract	0	100%		08-Feb-18 A		0							1			
57	Selection of Nox & CO Catalyst	0	100%		01-Jun-18 A		0					1					
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									1 I 1 I 1 I 1 I	
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										
	Engineering Received from Manufacturer	0	100%		30-Aug-18 A		0										
60 50						_											
52	Delivery of maintenance proceedures	0	100%		07-Sep-18 A		0							1			
59	Approval of Engineering	0	100%		13-Sep-18 A	_	0										
58	FNTP	0		12-Oct-18 A			0										
A1010	Fabrication Drawings	4		12-Oct-18 A	01-Feb-19 A		0										
A1020	SERC Review Fabrication Drawings	4		01-Feb-19 A	15-Feb-19 A		0										
51	Manufacturer Time (FNTP-Delivery)	123	100%	15-Feb-19 A	18-Jun-19 A		0							1			
49	NOx & CO Modules	0	0%		11-Oct-19	400	0	8				1					
50	Delivery/Goods Received (Duct, Stack, Silencer)	59	72.97%	01-Jul-19 A	25-Oct-19	381	0										
A1030	Transportation Of ERU Materials	4	0%	01-Jul-19 A	14-Nov-19	381	0		<u> </u>								
Generator Step-Up Tra		194		29-Jun-18 A	-		0										
64	LNTP/PO Date	0	100%		29-Jun-18 A		0										
66	FNTP	0	100%	20-Sep-18 A			0										
65	Engineering Received from Manufacturer	56	100%	29-Jun-18 A	20-Sep-18 A		0										
67	Manufacturer Time (FNTP-Delivery)	162	100%	20-Sep-18 A	28-Feb-19 A		0										
69	Delivery/Goods Received At Site	0	100%		31-May-19 A		0					1					
/ehicle Bridge		47		01-Nov-18 A	22-Mar-19 A		0					1					
71	LNTP/PO Date	0		01-Nov-18 A			0										
73	FNTP	0	100%		07-Jan-19 A		0										
72	Engineering Received from Manufacturer	32	100%	02-Nov-18 A	07-Jan-19 A		0										
74	Manufacturer Time (FNTP-Delivery)	24	100%	08-Jan-19 A	28-Feb-19 A		0							1			
75	Delivery/Goods Received	0	100%		22-Mar-19 A		0			-		1					
Balance Of Plant OSE		119		01-Jul-18 A	01-Apr-19 A		0					1					
78	Place BOP OSE Purchase Orders	180	100%	01-Jul-18 A	28-Dec-18 A		0			1							

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ty ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin.							2020							2021		
							Var. S	ep Oc	t Nov	Dec J	an Feb	Mar A	pr May	/ Jun J	Jul Au	g Sep (Oct Nov [Dec Jan	Feb Mar	Apr May	/ Jun Ju	Aug Se	ep Oct No
79	Available for delivery to the Project Site			01-Apr-19 A			0		· · · ·		 +			· · · · · · · · · · · · · · · · · · ·				 		, , , , , , ,			
Construction Contra				•	24-Jan-19 A		0																
81	Receive Initial Bids from Construction Contractors			03-Sep-18 A			0																
82	Review Initial Bids	30		04-Sep-18 A	04-Oct-18 A		0																
84	Achieve Commercial Lockdown	0	100%		26-Nov-18 A		0																
83	Short list two construction contractors and negotiate draft	28	100%	04-Oct-18 A	26-Nov-18 A		0		· · · ·					· · · · · · · · · · · · · · · · · · ·				 					· · · · · · · · · · · · · · · · · · ·
86	Final Bids Turned In	0	100%		14-Dec-18 A		0																
85	Contractor Pricing Refresh	18	100%	26-Nov-18 A	14-Dec-18 A		0																
87	Review Final Bids / Select Contractor	2	100%	14-Dec-18 A	20-Dec-18 A		0																
89	Make executed construction contract available in the SER	0	100%		21-Dec-18 A		0																
88	Execute Construction Contract	0	100%		21-Dec-18 A		0																
90	Provide Notice To Proceed to Contractor	0	100%		24-Jan-19 A		0																
Project Finance		176	100%	16-Oct-18 A	24-Jan-19 A		0																
92	Provide Mandate to Helaba	0	100%	16-Oct-18 A			0													 			
93	Perform Dilligence	1	100%	16-Oct-18 A	14-Jan-19 A	_	0																
94	Develop Loan Documentation	4	100%	16-Oct-18 A	17-Jan-19 A		0																
95	Financial Close	0	100%	24-Jan-19 A			0																
CEC Compliance				19-Dec-18 A	02-Oct-21	0	-21																
CBO Activity				19-Dec-18 A		310	0																
99	CBO Kick off Meeting		100%		19-Dec-18 A		0																
98	CBO Contract Execution	0	100%	19-Dec-18 A			0																
CBO performance of	duties	217	54.98%	26-Dec-18 A	25-Mar-20	310	0																
101	Review and approve Pre-construction submittal	1	100%	26-Dec-18 A	27-Dec-18 A		0																
103	Perform Plan Check of Submittals	148	85.81%	27-Dec-18 A	05-Nov-19	386	0																
102	Inspector On Site	390	54.36%	04-Feb-19 A	25-Mar-20	556	0	1 	· ·		· · ·												
CEC Compliance R1		644	9.07%	20-Jul-19 A	02-Oct-21	0	-30																
Air Quality		455		30-Oct-19	21-May-21	107	-2																
AQ-1010	AQ-D1b - Initial Source Test	0		30-Oct-19		562	-2		8														
AQ-1015	AQ-D1b - Initial Source Test	0		07-Feb-20		482	-2				8												
AQ-1020	AQ-D2 - Operations Source Test	0	0%	05-May-20		412	-2						8										
AQ-1170	AQ-K1 - Source Test Results	0	0%	11-Jun-20		382	-2							8				· · · ·					
AQ-1100	AQ-D5 - CEMS for NOx	0	0%	11-Jun-20		382	-2							8									
AQ-1080	AQ-D4 - CEMS for CO	0	0%	11-Jun-20		382	-2							8									
AQ-1160	AQ-H1 - NOx CEMS Performance Evaluation	0	0%	02-Oct-20		292	-2									8							
AQ-1000	AQ-D1a - Initial Source Test	0	0%	02-Oct-20		292	-2									*							
AQ-1050	AQ-D3 - NH3 Source Test	0	0%	21-May-21		107	-2													\$			
Biological				31-Jul-19 A	12-Nov-20	259	0		+									l l. I I I I I					
BIO-1030	BIO-8a1 - Pre-Construction Nest Surveys and Impact Avoic	0	100%	31-Jul-19 A			0																
BIO-1050	BIO-8b - Preconstruction Nest Survey Letter Report	0	100%	19-Aug-19 A			0																
BIO-1040	BIO-8a2 - Pre-Construction Nest Surveys and Impact Avoic	0	100%	19-Aug-19 A			0																
Remaining Leve Actual Level of E	-				Page	e 3 of 15							TAS	K filter:	Not Lev	vel Of Ef	fort.					a a	acle Corpc

BIO-1060 BIO-1020 BIO-1010 BIO-1000	Activity Name BIO-8c - Implementation of Nest Surveys and Inclusion in I	UU	% Comp	Start	Finish	TF	Fin. Var.				2020	
BIO-1020 BIO-1010	BIO-8c - Implementation of Nest Surveys and Inclusion in I						· · · · · · · ·	ep Oct Nov	Dec I Jan I Feh I	Mar Apr May J		ISen Oct No
BIO-1010		0	100%	19-Sep-19 A				8				
	BIO-7b - General Impact Avoidance and Mitigation Measure	0	0%	08-May-20		409	0	· · · · · · · · · · · · · · · · · · ·		\$		
	BIO-6e - BRMIMP Construction Closure Report	0		08-May-20		409	0			Š		
210 1000	BIO-5c - WEAP Training Acknowledgement Forms on File	0		12-Nov-20		259	0					•
Civil		0		23-Apr-20	23-Apr-20	422	0					
CIV-1010	CIVIL-4a - Final Grading Plan Approval	0		23-Apr-20		422	0			\$		
Communication		0	0%	17-Jan-20	17-Jan-20	499	0					
COM-1020	COM-12b - Emergency Response Site Contingency Plan	0	0%	17-Jan-20		499	0		\$			
Cultural		90		23-Apr-20	13-Au <u>q</u> -20	332	0					
CUL-1000	CUL-1j - Discharge the CRS, after receiving approval from	0		23-Apr-20		422	0			8		
CUL-1010	CUL-4b - Final Cultural Resources Report	0	0%	13-Aug-20		332	0	· · · · ·			\$	· · · · ·
General		104	1	01-Apr-20	09-Aug-20	335	-14					
GEN-1030	GEN-8b - Plan and Specification Storage	0		01-Apr-20		439	0			\$		
GEN-1040	GEN-8c - Plan and Specification Archive Copies	0		23-Jul-20		349	0				\$	
GEN-1010	GEN-1b - Certificate of Occupancy	0		09-Aug-20		335	-30					1 I I 1 I I 1 I I 1 I
GEN-1000	GEN-1a - Certificate of Occupancy	0		09-Aug-20		335	-30				•	
Hazardous	1147.0. Onométique Otto Ocouvity Dian	142		20-Jul-19 A	13-Jan-20	502	-2					
HAZ-1080	HAZ-8a - Operations Site Security Plan	0		20-Jul-19 A			0					
HAZ-1000	HAZ-2a - Final HMBP and SPCC	0		20-Jul-19 A			0					
HAZ-1060	HAZ-6a - HazMat Transport Route Restrictions	0		28-Jul-19 A			0					
HAZ-1010	HAZ-2b - Final Risk Management Plan	0		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	0%	27-Oct-19		565	-6	. ◆				
HAZ-1040	HAZ-4 - Ammonia Storage Tank Design	0	0%	27-Oct-19		565	-6	<				
HAZ-1030	HAZ-3 - Aqueous Ammonia Safety Management Plan	0	0%	27-Oct-19		565	-6	<				
HAZ-1020	HAZ-2c - Final Risk Management Plan	0	0%	27-Oct-19		565	-6	. ◆				
HAZ-1090	HAZ-9 - Fuel Gas Pipe Cleaning	0	0%	13-Jan-20		502	-2		8			
Mechanical		30	100%	24-Aug-19 A	01-Oct-19	585	5					
MECH-1000	MECH-2a - Pressure Vessel Installation	0	100%	24-Aug-19 A			0					
MECH-1020	MECH-3b - HVAC Plans	0	0%	01-Oct-19		585	5	₹.				
MECH-1010	MECH-3a - HVAC Plans	0	0%	01-Oct-19		585	5	. ◆				
Noise		15	0%	04-Apr-20	23-Apr-20	422	0					
NOI-1030	NOISE-5 - Occupational Noise Survey	0	0%		04-Apr-20	437	0			\$		
NOI-1010	NOISE-4a - Operational Noise Survey	0	0%	04-Apr-20		422	0			\$		
NOI-1020	NOISE-4b - Noise Survey Summary Report	0	0%	23-Apr-20		422	0			8		
Paleo		60		13-Aug-20	27-Oct-20	272	0	·				
PAL-1000	PAL-7 - Paleontological Resources Report	0		13-Aug-20		272	0				\$	
PAL-1010	PAL-8 - Curation Entity/Curation Fees	0		27-Oct-20		272	0					8
Structural		0		27-Oct-19	27-Oct-19	565	-6					
STR-1010	STRUC-4a - Tank and HazMat Vessel Design	0		27-Oct-19		565	-6	<				
Transmission		0	0%	27-Dec-19	27-Dec-19	516	0					

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RC Baseline Project Maste ty ID	er Schedule (w/ARB Sep Sched) CEC/SCE (F9) Activity Name		% Comp	Start	Finish	S Summary	Fin					2020							2021		10-Oct-19
			‰ comp	Start			Var. Se	ep Oct Nov Dec	Jan Fe	b Mar A	or May		I Aug	Sep Oct	Nov Dec	Jan Fe	b Mar	Apr May J		Aug Se	ep Oct No
TLSN-1010	TLSN-2 - Metallic Objects Grounded	0	0%	27-Dec-19		516	0		8					-							
Transportation		0	0%	12-Nov-20	12-Nov-20	259	0												1		
TNP-1000	TRANS-4b - Copies of Permits	0	0%	12-Nov-20		259	0								8						
Switchyard		485		04-Feb-20	02-Oct-21		-30												-		
TSE-1060	TSE-4b - Notice to CAISO	0		04-Feb-20		485	0		8				!!-		!						
TSE-1050	TSE-4a - Notice to CAISO	0	0%	11-Feb-20		479	0		8												
TSE-1090	TSE-5d - As-Built Drawings	0	0%	18-Apr-20		426	0			*	\$										
TSE-1080	TSE-5c - As-Built Drawings	0	0%	18-Apr-20		426	0				\$										
TSE-1070	TSE-5b - As-Built Drawings	0	0%	18-Apr-20		426	0				\$								1		
TSE-1020	TSE-2b - Final Switchyard Design	0	0%	02-Oct-21		0	-30													\diamond	•
Visual		252	0%	01-Jan-20	12-Nov-20	259	0						!!- ! ! !			·	· - J				
VIS-1010	VIS-2a - Screening Landscaping Plan	0	0%	01-Jan-20		512	0		\$										-		
VIS-1000	VIS-1c - Notification that Treatment Completed	0	0%	01-Apr-20		439	0			\$									-		
VIS-1020	VIS-2c - Landscape Installation Timing	0	0%	23-Apr-20		422	0				\$										
VIS-1030	VIS-2d - Landscaping Ready for Inspection	0	0%	01-May-20		415	0				8										
VIS-1100	VIS-4h - Pre-COD Inspection	0	0%	12-Nov-20		259	0			+					\$						
VIS-1080	VIS-4d - Lighting Inspection Ready, Notification	0	0%	12-Nov-20		259	0								8				1		
Waste		137	0%	24-May-20	12-Nov-20	259	0								•						
WASTE-1020	WASTE-1b - SMP Summary	0		24-May-20		397	0				\$								1		
WASTE-1050	WASTE-8a - Operation Waste Management Plan	0	0%	12-Nov-20		259	0								8				-		
Worker Safety		193	58.98%	28-Jul-19 A	25-Mar-20	444	0														
WRSF-1040	WORKER SAFETY-7c - Fire Protection System Specification	0	100%	28-Jul-19 A			0														
WRSF-1020	WORKER SAFETY-7a - Fire Protection System Specification	0	100%	28-Jul-19 A			0														
WRSF-1060	WORKER SAFETY-8e.1 - Letter to OCFA	0	0%	10-Jan-20		504	0		8										1		
WRSF-1050	WORKER SAFETY-8e - Letter to OCFA	0	0%	10-Jan-20		504	0		8												
WRSF-1010	WORKER SAFETY-2b - Operations H&S Program	0	0%	13-Jan-20		502	-2		8												
WRSF-1000	WORKER SAFETY-2a - Operations H&S Program	0	0%	13-Jan-20		502	-2		*												
WRSF-1080	WORKER SAFETY-8f.1 - Final UL Certification of ESS	0		25-Mar-20		444	0		`	\$											
WRSF-1070	WORKER SAFETY-8f - Final UL Certification of ESS	0		25-Mar-20		444	0			X											
LM6000 Constructio				09-Nov-18 A	02-101-20	253	-19												1		
Stanton Energy Reliabili				09-Nov-18 A		253	10														
Milestones	ly center - 250Lr 15			09-Nov-18 A		-19													1		
Contract Milestones					30-May-20	0	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	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	0%		01-Mar-20*	0	0			8											
00-Milest-200	Final Project Completion Date = 26MAR20	0	0%		30-May-20	0	0				8								1		
Project Milestones		300	<u>61.87%</u>	14-Jan-19 A	02-Jul-20	-19	-19				*										
00-Milest-300	Kick-off Meeting				14-Jan-19 A		0														
00-Milest-310	Start of Mobilization	0	100%	04-Feb-19 A			0														
Remaining Level of E	Effort Actual Work Critical Remaining Work				Pa	ge 5 of 15					TASK	filter [.] N	otleve	Of Effort.							
Actual Level of Effort					i di	500010							5. 2000	S. Enoit.						© Or	acle Corpo

)	Activity Name		% Com	Start	Finish	TF	Fin.								2020		
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00-Milest-320	Parcel 1 Temp Power Available = 08FEB19	0	100%	6 08-Feb-19 A			0										
00-Milest-240	Begin Site Disturbance = 19FEB19	0	100%	6 25-Feb-19 A			0										
00-Cranes-110	Crane Site Mobilization	1	100%	6 31-Aug-19 A	31-Aug-19 A		0										
00-Milest-710	Switchyard Substation Construction Completed	0	0%	, 0	11-Dec-19	-3	0				8						
00-Cranes-130	Crane Demob	2	0%	6 18-Dec-19	19-Dec-19	-17	0		L J 				±			· 	·
00-SwYard-920	Switchyard Substation: SCE Backfeed	0	0%	/ 0	03-Feb-20	-19	-12				•	\					
00-Milest-720	Ready for Backfeed	0	0%	/ 0	03-Feb-20	-19	-12										
00-Milest-910	Projected Mechanical Completion Date	0	0%	/ 0	26-Feb-20*	-27	1						*				
00-Milest-920	Projected Final Completion Date	0	0%	/ 0	02-Jul-20*	-26	-26				1		Y I		¥ •		
Payment Milestones	· · · · · · · · · · · · · · · · · · ·	310		24-Dec-18 A	02-Jul-20	-19	-21		 								
Initial Milestones		41		6 24-Dec-18 A			0										
00-Paymnt-001	At Contract Execution	0			24-Dec-18 A		0										
00-Paymnt-004	Mobilization	0	100%	6 04-Feb-19 A			0										
00-Paymnt-003	At Notice to Proceed	0	100%	6 04-Feb-19 A			0										
00-Paymnt-002	Completion of Preliminary Work	0	100%	/ 0	15-Feb-19 A		0										
Site Civil Works - Ductb	ank Milestones	84	100%	6 09-May-19 A	30-Sep-19	135	0										
00-Paymnt-005	15 kV Ductbank Trenching Complete	0		-	09-May-19 A		0										
00-Paymnt-009	15 kV Ductbank Installed	0	100%	′ 0	29-May-19 A		0										
00-Paymnt-008	Ductbank Materials Procurement Complete	0	100%	′o	26-Jul-19 A		0										
00-Paymnt-006	66 kV Ductbank Trenching Complete	0	100%	, 0	06-Sep-19 A	_	0	8		+							
00-Paymnt-010	66 kV Ductbank Installed	0	100%	, 0	12-Sep-19 A		0	8									
00-Paymnt-007	480 Volt Ductbank Trenching Complete	0	100%	/ 0	16-Sep-19 A		0	8									
00-Paymnt-011	480 Volt Ductbank Installed	0	0%	/ 0	30-Sep-19	135	0	Č									
Site Civil Works - Parce	I1 Milestones	130	100%	606-May-19A	-	86	0										
00-Paymnt-013	Spoils Delivery Complete of Parcel 1	0			06-May-19 A		0										
00-Paymnt-012	Mass Excavation of Parcel 1 Complete	0	100%	, 0	06-May-19 A		0										
00-Paymnt-014	Installation of Geotextile and Associated Aggregate	0	100%	, 0	17-May-19 A		0				1						
00-Paymnt-015	Recompaction necessary for Installation of Major Foundati	0	100%	/ 0	08-Jul-19 A		0										
00-Paymnt-016	Recompaction back to Rough Grade after Foundation Inst	0			27-Dec-19	86	0				8						
Site Civil Works - Water	Farm Milestones	90	100%	6 28-Feb-19 A	08-Jul-19 A		0				····						
00-Paymnt-018	Installation of Geotextile and Associated Aggregate Comp	0	100%	6	28-Feb-19 A		0										
00-Paymnt-017	Mass Excavation for Water Farm Area (including Demin Ta	0	100%	0	28-Feb-19 A		0										
00-Paymnt-019	Recompaction necessary for Installation of Foundations	0	100%	6	08-Jul-19 A		0				-						
Site Civil Works - Wareh	nouse Milestones	48	100%	6 22-Jul-19 A	15-Oct-19	126	0										
00-Paymnt-022	Recompaction necessary for Installation of Warehouse Fo	0	-		22-Jul-19 A		0										
00-Paymnt-020	Mass Excavation for Warehouse Area - Scope Eliminated k	0	100%	′ 0	22-Jul-19 A		0										
00-Paymnt-021	Installation of Geotextile and Associated Aggregate Comp	0	0%	0	15-Oct-19	126	0		8								
Bridge Milestones		28	100%	6 26-Jul-19 A	13-Sep-19 A		0										
00-Paymnt-023	Vehicle Bridge Installation Complete and Approved for Use	0	100%	6	26-Jul-19 A		0										
00-Paymnt-024	Utility Bridge Installation Complete with CBO Approval	0	100%	, 0	13-Sep-19 A		0	\$	7							·	
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ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin.									2020									2	2021			Oct-19 1
							Var.	Sep	Oct	Nov	Dec	Jan Feb	o Mar	Apr M	ay Ju	ın Jul	Aug	g Sep	Oct	Nov	Dec	Jan I	Feb Ma	r Apr I	May Ju	n Jul	Aug	Sep	Oct No
Structural - Major Foun				06-May-19 A			0																						
00-Paymnt-028	Ammonia Sump Pit	0			06-May-19 A		0																						
00-Paymnt-027	Ammonia Tank Foundation and Sump	0			07-Jun-19 A		0																						
00-Paymnt-034	CTG2 Foundation Poured	0	100%		25-Jun-19 A		0																						
00-Paymnt-032	ERU2 Centerline Foundations Formed (including Stack)	0	100%		08-Jul-19 A		0																1						
00-Paymnt-030	CTG2 Foundation Formed	0	100%		08-Jul-19 A		0																			1			
00-Paymnt-036	ERU2 Centerline Foundations Poured (including Stack)	0	100%		26-Jul-19 A		0																						
00-Paymnt-033	CTG1 Foundation Poured	0	100%		26-Jul-19 A		0																						
00-Paymnt-031	ERU1 Centerline Foundations Formed (including Stack)	0	100%	•	26-Jul-19 A		0																						
00-Paymnt-029	CTG1 Foundation Formed	0	100%	•	26-Jul-19 A		0			+								!		 ! !									
00-Paymnt-025	Receipt of all Shop Fab Rebar at Site	0	100%		26-Jul-19 A		0																						
00-Paymnt-035	ERU1 Centerline Foundations Poured (including Stack)	0	100%		16-Sep-19 A		0	\$																					
00-Paymnt-026	GSU Foundation Poured	0	100%		16-Sep-19 A	_		Š																					
Structural - Minor Foun		114		06-May-19 A	26-Dec-19	87	0	~																					
00-Paymnt-038	Demin Water Tank		100%		06-May-19 A		0			1																			
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-049	Utility Rack Supports	0			17-Jul-19 A		0																						
00-Paymnt-046	Utility Bridge Abutments	0			17-Jul-19A	_	0				·													·					
00-Paymnt-045	Spread Footings for Roofless Enclosure U2	0			26-Jul-19 A		0																						
00-Paymnt-048	PDM Columns	0			05-Sep-19 A		0	•																					
00-Paymnt-047	Power Distribution Module (PDM) Building Spread Footings		100%		16-Sep-19 A	_	0																						
00-Paymnt-044	Spread Footings for Roofless Enclosure U1	0			16-Sep-19 A		-	♦																					
-					-													·											
00-Paymnt-042	Fogging Water Skid U2	0			16-Sep-19 A	_		\$																					
00-Paymnt-041	Fogging Water Skid U1		100%		16-Sep-19 A		0	8												1						-			
00-Paymnt-051	Switchyard Substation Module Foundation	0			25-Sep-19 A	_	0	ð																					
00-Paymnt-050	Switchyard Support	0			25-Sep-19 A		0	8																					
00-Paymnt-052	Fuel Gas Compressor Area Foundations	0	100%		26-Sep-19 A		0	8		<u> </u>																			
00-Paymnt-055	CTG2 Miscellaneous Foundations	0	0%		11-Oct-19	127	0		8																				
00-Paymnt-057	BESS Switchgear Foundation	0	0%		22-Oct-19	122	0		\$											1									
00-Paymnt-053	CTG1 Miscellaneous Foundations	0	0%		25-Nov-19	103	0			8													1			-			
00-Paymnt-056	ERU2 Miscellaneous Foundations	0	0%	•	26-Nov-19	102	0			8																1			
00-Paymnt-054	ERU1 Miscellaneous Foundations	0	0%		26-Dec-19	87	0				8																		
00-Paymnt-037	Receipt of Shop Fab Rebar at Site	0	0%		26-Dec-19	87	0			+	8		-+																
UG Storm Water System	m Milestones	178		27-Mar-19 A	21-Feb-20	55	2				Ĭ																		
00-Paymnt-058	Procure Storm Drain Pipe	0			27-Mar-19 A		0																						
00-Paymnt-061	Install all other Storm Drain Segments	0	0%	•	29-Jan-20	69	1					\$																	- - - - -
00-Paymnt-059	Install Storm Drain Pipe South	0	0%		29-Jan-20	69	1					8								1									
Remaining Level of I	Effort Actual Work Critical Remaining Work		,	,	Page	e 7 of 15		!		. 1			. 1	ТА	ASK fi	lter: No	ot Lev	vel Of	Effort.				,		,				

D	Schedule (w/ARB Sep Sched) CEC/SCE (F9) Activity Name		% Comp	Start	Finish	Summary	, Fin.					2020							2021	10	0-Oct-19
			ŗ				. / L	Sep O	ct Nov Dec	Jan Feb Ma	r Apr May		Aug	Sep Oct N	v Dec Ja	n Feb I	∕lar Ap	or May J		Aug Sep	Oct
00-Paymnt-062	HydroTest Stormwater Systems	0	0%)	30-Jan-20	68	1			\$											
00-Paymnt-060	Install Storm Drain Pipe North	0	0%		21-Feb-20	55	2			-											
UG Piping Installation Mile	estones	138	98.26%	26-Apr-19 A	03-Jan-20	83	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	0%	•	30-Dec-19	86	0		\$												
00-Paymnt-066	Install Fire Main	0	0%	•	31-Dec-19	85	0		8												
00-Paymnt-067	HydroTest Underground Piping Systems	0	0%		03-Jan-20	83	0														
UG Ground Grid Mileston		95	52.94%	26-Jun-19 A	19-Dec-19	90	0													1	
00-Paymnt-069	Installation of Ground Grid - Switchyard Substation Area	0			26-Jun-19 A		0														
00-Paymnt-072	Installation of Ground Grid - Water Farm Area	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-068	Procure Ground Grid	0	100%		26-Jul-19 A		0														
00-Paymnt-075	Installation of Ground Grid - Remainder	0	0%	•	30-Sep-19	135	0	*													
00-Paymnt-073	Installation of Ground Grid - BESS 15 kV Switchgear Area	0	0%		20-Nov-19	106	0	Ť	*												
00-Paymnt-070	Installation of Ground Grid - Power Island 1	0	0%		22-Nov-19	104	0		•••••						·!						
00-Paymnt-074	Installation of Ground Grid - Perimeter	0	0%		19-Dec-19	90	0		•												
Unit Substation Milestone		40		30-Aug-19 A	11-Dec-19	95	0														
00-Paymnt-080	Switchyard, Substation: Protection Module	40	100%		30-Aug-19 A	90	0														
•	Set GSU	0			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	0%		12-Nov-19	110	0	`	•												
00-Paymnt-081	High Voltage Protective Relay Testing Complete	0	0%		11-Dec-19	95	0		•												
00-Paymnt-079	All other 66 kV Apparatus Installed and Conductors Connec	0			11-Dec-19	95	0		8												
-	and Installation Milestones			19-Sep-19 A	13-Nov-19	110	0														
-	CTG1 - Install Base Plates	26		-	13-NOV-19 19-Sep-19 A	TIU	0	\$							·					· ¦	$\begin{array}{c} \frac{1}{1} & - & - & - & - \\ \frac{1}{1} & & 1 \\ 1 & & 1 \end{array}$
00-Paymnt-084	CTG1 - Level CTG Frame	0			27-Sep-19 A		0	×													
00-Paymnt-088	CTG1 - Install VBV Ducting	0	0%		10-Oct-19	128	0	_ `♠													
-	CTG1 - Shake Out CTG Parts	0	0%		10-Oct-19	128	0	♦													
00-Paymnt-089	CTG1 - Install Air Filter Housing	0	0%		15-Oct-19	126	0														
00-Paymnt-086	CTG1 - Install Air Intel Housing	0	0%		15-Oct-19	126	0														
•							0	2													
-	CTG1 - Final Wipe Down Air Inlet	0	0%		21-Oct-19	122	0		◇												
00-Paymnt-090	CTG1 - Air Housing Internals	0	0%		21-Oct-19	122	0		◇												
00-Paymnt-085	CTG1 - Internal Final Alignment Checks	0	0%		22-Oct-19	122	0		♦												
-	CTG1 - Install Generator Vent Ducting	0	0%		05-Nov-19	114	0		X											·	
00-Paymnt-093	CTG1 - GE Signoff	0	0%		13-Nov-19	110	0		8												
00-Paymnt-091	CTG1 - Final Check and Grout	0	0%		13-Nov-19	110	0		\$												
-	ng and Installation Milestones			27-Sep-19A	29-Oct-19	118	0														
-	CTG2 - Level CTG Frame	0			27-Sep-19 A		0	ş													
00-Paymnt-095	CTG2 - Install Base Plates	0	100%		27-Sep-19 A		0	8													

-	er Schedule (w/ARB Sep Sched) CEC/SCE (F9)					Summary	/																10-Oct-19
(ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.				Ech M	or Apr N)20 		Oct		Ion Fo	h Mar	Apr M	202 ⁻		Sep Oct No
00-Paymnt-094	CTG2 - Shake Out CTG Parts	0	100%		27-Sep-19 A		0	<u>به ام:</u>					ay Jun		ug Sep		JV Dec	Janre			ay Jun C		
00-Paymnt-100	CTG2 - Install VBV Ducting	0	0%		03-Oct-19	132	0	*						1 I 1 I 1 I 1 I					1				
00-Paymnt-101	CTG2 - Install Air Filter Housing	0	0%		08-Oct-19	130	0																
00-Paymnt-098	CTG2 - Install Air Intel Housing	0	0%		08-Oct-19	130	0												1				
00-Paymnt-097	CTG2 - Internal Final Alignment Checks	0			08-Oct-19		0	♦											-				
2			0%			130	0	♦															
00-Paymnt-104	CTG2 - Final Wipe Down Air Inlet	0	0%		14-Oct-19	126	0	8											1				
00-Paymnt-102	CTG2 - Air Housing Internals	0	0%		14-Oct-19	126	0	ð															
00-Paymnt-099	CTG2 - Install Generator Vent Ducting	0	0%		22-Oct-19	122	0	2	S														
00-Paymnt-105	CTG2 - GE Signoff	0	0%		29-Oct-19	118	0		8										1				
00-Paymnt-103	CTG2 - Final Check and Grout	0	0%		29-Oct-19	118	0		8														
-	tting and Installation Milestones	34		27-Dec-19	26-Feb-20	53	1												1				
00-Paymnt-107	ERU1 - Insulation and Liner Plates	0	0%		27-Dec-19	86	0			X													
00-Paymnt-106	ERU1 - Complete Field Bolt Up and all Sections Set	0	0%		27-Dec-19	86	0			8									1				
00-Paymnt-108	ERU1 - Field Load Catalyst	0	0%		26-Feb-20	53	1				8												
	tting and Installation Milestones	90		06-Sep-19 A		54	2																
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-119	Ammonia Tank	0	100%		16-Sep-19 A		0	\$											-				
00-Paymnt-118	Set Ammonia Forwarding Skid	0	100%		16-Sep-19 A		0	\$											1				
00-Paymnt-114	Set PDM and Control Modules	0	100%		26-Sep-19 A		0	8						1 I 1 I 1 I					1				
00-Paymnt-115	Set CTG Aux Skids	0	0%		30-Sep-19	135	0	8			-!										!!	!! ! ! ! !	
00-Paymnt-110	ERU2 - Insulation and Liner Plates	0	0%		20-Nov-19	106	0		\$										1				
00-Paymnt-109	ERU2 - Complete Field Bolt Up and all Sections Set	0	0%		20-Nov-19	106	0		8														
00-Paymnt-116	Set ERU Aux Skid - Ammonia Vaporization Skids	0	0%		03-Jan-20	83	0			*				1 I 1 I 1 I 1 I					1				
00-Paymnt-117	Set CEMS Buildings	0	0%		06-Jan-20	82	0			×													
00-Paymnt-111	ERU2 - Field Load Catalyst	0	0%		25-Feb-20	54	2		+ - + - 		***			 		 					 		·
Demin Water Tank Mile	-	-		23-Sep-19 A		114	-												-				
00-Paymnt-120	Demin Water Tank Materials Delivered at Site	0		LUCOPIUA	23-Sep-19 A		0	8											-				
00-Paymnt-121	Demin Water Tank Installation Complete	0	0%		04-Nov-19	114	0	•	8														
AG Piping Installation M	-	54			27-Jan-20	70	1																
00-Paymnt-122	Procurement of AG Pipe Materials and Receipt of 100% Ve	0			30-Aug-19 A		0				-i+				(! !	-ii 							
00-Paymnt-126	Rack and Utility Bridge Piping (Demin Water)	0	100%		16-Sep-19 A		0	\$							1			1	1				
00-Paymnt-124	Demin Water @ CTG1 and CTG2	0	0%		18-Oct-19	123	0	9															
00-Paymnt-129	Natural Gas System Piping	0	0%		23-Oct-19	121	0		8										1				
00-Paymnt-123	Lube Oil Piping CTG1 and CTG2	0	0%		24-Oct-19	120	0		8										-				
00-Paymnt-125	Demin Water @ Tank Area	0	0%		25-Oct-19	119	0		8														
00-Paymnt-128	Ammonia System Piping	0	0%		07-Jan-20	82	0		>	•									1				
00-Paymnt-127	CTG Package Drain System	0	0%		27-Jan-20	70	1												1				
Electrical Procurement		•									>												
00-Paymnt-134	Fabricated Structural Steel Procurement (Received on Site		100%	16-Sep-19 A	02-Jan-20 16-Sep-19 A	84	0	\$															
Remaining Level of I Actual Level of Effort				1	Pag	e 9 of 15		<u> </u>	1 1	1	<u> </u>	т	ASK filte	er: Not L	evel Of	Effort.			1	. 1			racle Corpo

D Baseline Project Mast	er Schedule (w/ARB Sep Sched) CEC/SCE (F9) Activity Name		% Comp Start	Finish	Summary	Fin.						2020			_
		00	Jo Comp Start				Sep 0	ct Nov De	c Jar	Feb Mar	Apr May		Aug Ser	Oct Nov	/Tr
00-Paymnt-130	Cable Tray Procurement (Received on Site 100%)	0	100%	16-Sep-19 A		0	8		0				rug oop		1-
00-Paymnt-131	AG Conduit Procurement (Received on Site 100%)	0	0%	09-Oct-19	130	0	Č								
00-Paymnt-132	13.8 kV Cable Procurement (Received on Site 100%)	0	0%	11-Dec-19	96	0	Ť	8							
00-Paymnt-133	480 V Cable Procurement (Received on Site 100%)	0	0%	02-Jan-20	84	0		· · ·	*						
U1 Medium Voltage Mil		54	0% 08-Oct-19	16-Jan-20	76	0			Y						
00-Paymnt-145	U1 MV - Cable Tray Installed	0	0%	08-Oct-19	130	0	8					'			
00-Paymnt-135	U1 MV - Set 15 kV Switchgear 1	0	0%	02-Dec-19	101	0		8							
00-Paymnt-146	U1 MV - AG Conduit Installed	0	0%	10-Dec-19	96	0		\$							
00-Paymnt-139	U1 MV - 13.8 kV Cable from 15 kV Switchgear 1 to CTG1, II	0	0%	17-Dec-19	92	0		\$							
00-Paymnt-137	U1 MV - 13.8 kV Cable from 15 kV Switchgear 1 to GSU, In:	0	0%	17-Dec-19	92	0		8							
00-Paymnt-140	U1 MV - 13.8 kV Cable from 15 kV Switchgear 1 to CTG1, 1	0	0%	27-Dec-19	86	0			8	· - <mark> </mark> 					
00-Paymnt-138	U1 MV - 13.8 kV Cable from 15 kV Switchgear 1 to GSU, Te	0	0%	27-Dec-19	86	0			8						
00-Paymnt-136	U1 MV - Set 480 V Aux Xfmr 1	0	0%	30-Dec-19	86	0			8						
00-Paymnt-143	U1 MV - 15 kV Switchgear Protective Relay Testing Comple	0	0%	31-Dec-19	85	0			8						
00-Paymnt-141	U1 MV - 13.8 kV Cable from 15 kV Switchgear 1 to 480 V A	0	0%	07-Jan-20	82	0			8						
00-Paymnt-142	U1 MV - 13.8 kV Cable from 15 kV Switchgear 1 to 480 V A	0	0%	15-Jan-20	77	0			8	·					
00-Paymnt-144	U1 MV - 480 V Xfmr 1 Protective Relay Testing Complete	0	0%	16-Jan-20	76	0									
U2 Medium Voltage Mil		53	0% 08-Oct-19	15-Jan-20	77	0									
00-Paymnt-157	U2 MV - Cable Tray Installed	0	0%	08-Oct-19	130	0	\$								
00-Paymnt-147	U2 MV - Set 15 kV Switchgear 2	0	0%	22-Oct-19	122	0		\$							
00-Paymnt-151	U2 MV - 13.8 kV Cable from 15 kV Switchgear 2 to CTG2, II	0	0%	02-Dec-19	101	0		\$							
00-Paymnt-149	U2 MV - 13.8 kV Cable from 15 kV Switchgear 2 to GSU, In:	0	0%	02-Dec-19	101	0		8							
00-Paymnt-152	U2 MV - 13.8 kV Cable from 15 kV Switchgear 2 to CTG2, 1	0	0%	16-Dec-19	93	0		8							
00-Paymnt-150	U2 MV - 13.8 kV Cable from 15 kV Switchgear 2 to GSU, Te	0	0%	16-Dec-19	93	0		8							
00-Paymnt-155	U2 MV - 15 kV Switchgear Protective Relay Testing Comple	0	0%	19-Dec-19	90	0		8	•						
00-Paymnt-158	U2 MV - AG Conduit Installed	0	0%	24-Dec-19	88	0			8	· _					-!
00-Paymnt-148	U2 MV - Set 480 V Aux Xfmr 2	0	0%	30-Dec-19	86	0			8						
00-Paymnt-153	U2 MV - 13.8 kV Cable from 15 kV Switchgear 2 to 480 V A	0	0%	07-Jan-20	82	0			8						
00-Paymnt-154	U2 MV - 13.8 kV Cable from 15 kV Switchgear 2 to 480 V A	0	0%	14-Jan-20	78	0			\$						
00-Paymnt-156	U2 MV - 480 V Xfmr 2 Protective Relay Testing Complete	0	0%	15-Jan-20	77	0			8						
BESS Medium Voltage		13	0% 17-Dec-19		79	0			· · · ·	· -l +					
00-Paymnt-159	BESS MV - Set 15 BESS 15 kV Switchgears	0	0%	17-Dec-19	92	0		\$							
00-Paymnt-162	BESS MV - 13.8 kV Cable from BESS 15 kV Switchgear 2 t	0	0%	03-Jan-20	83	0			8						
00-Paymnt-160	BESS MV - 13.8 kV Cable from BESS 15 kV Switchgear 1 t	0	0%	06-Jan-20	82	0			8						
00-Paymnt-163	BESS MV - 13.8 kV Cable from BESS 15 kV Switchgear 2 t	0	0%	08-Jan-20	81	0			8						
00-Paymnt-161	BESS MV - 13.8 kV Cable from BESS 15 kV Switchgear 1 t	0	0%	09-Jan-20	80	0			8						-1
00-Paymnt-164	BESS MV - 15 kV Switchgear Protective Relay Testing Con	0	0%	10-Jan-20	79	0			\$						
4160 V System Milesto	nes	50	0% 02-Oct-19	03-Jan-20	83	0									
00-Paymnt-165	4160 V System - Set 13.8 kV-4160V Xfmr	0	0%	02-Oct-19	133	0	8		-						

Actual Level of Effort Remaining Work + Milestone

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	ter Schedule (w/ARB Sep Sched) CEC/SCE (F9)			and Otant		Summary	/ 						0000			_		_		_	0004		10-0	0ct-19 1
y ID	Activity Name		%Cor	np Start	Finish	TF	Fin. Var. Se	p Oct Nov	/ Dec	Jan F	eb Ma	Apr May	2020 Jun Ju		Sep Or	t Nov	Dec Jan	Feb	Mar A	pr May	2021 Jun J		Sep 0)ct No
00-Paymnt-166	4160 V System - Set 5 kV Switchgear	0	0	%	07-Oct-19	130	0	8					oun ou	- Aug			Deeloan							
00-Paymnt-169	4160 V System - 4160 V Area Electrical Installation Comple	0		%	03-Jan-20	83	0																	
00-Paymnt-168	4160 V System - 13.8 kV Cable from 15 kV Switchgear 1 to	0		%	03-Jan-20	83	0																	
00-Paymnt-167	4160 V System - 13.8 kV Cable from 15 kV Switchgear 2 to	0		%	03-Jan-20	83	0																	
U1 480 Volt System Mi		30		% 19-Dec-19	12-Feb-20	61	1					1 I I 1 I I 1 I I 1 I I												
00-Paymnt-171	U1 480 V System - 480 Volt Feeder Cables from PDM 1 to t	0		%	19-Dec-19	90	0		8															
00-Paymnt-170	U1 480 V System - 480 Volt Feeder Cables from Aux Xfmr 1	0	0	%	15-Jan-20	77	0			8	+													
00-Paymnt-173	U1 480 V System - Termination of 480 Volt Cables to all 480	0	0	%	23-Jan-20	72	1			*														
00-Paymnt-172	U1 480 V System - Pull 480 Volt Cables to all 480 Volt Load	0		%	12-Feb-20	61	1				•	I I I I I I I I I I I												
U2 480 Volt System Mi		18		% 19-Dec-19	23-Jan-20	72	1				`	I I I I I I I I I I I I												
00-Paymnt-175	U2 480 V System - 480 Volt Feeder Cables from PDM 2 to t	0		%	19-Dec-19	90	0		\$															
00-Paymnt-174	U2 480 V System - 480 Volt Feeder Cables from Aux Xfmr 2	0	0	%	14-Jan-20	78	0			8					;									
00-Paymnt-176	U2 480 V System - Pull 480 Volt Cables to all 480 Volt Load	0	0	%	22-Jan-20	73	1			8										1				
00-Paymnt-177	U2 480 V System - Termination of 480 Volt Cables to all 480	0	0	%	23-Jan-20	72	1			8									1					
Start-Up and Commiss		70	0	% 23-Oct-19	02-Mar-20	50	2												1					
00-Paymnt-183	SU&C - Natural Gas Piping - Air Blows Common	0		%	23-Oct-19	121	0	8																
00-Paymnt-182	SU&C - Lube Oil Flush U2	0	0	%	15-Nov-19	108	0	\$							'									
00-Paymnt-185	SU&C - Natural Gas Piping - Air Blows U2	0	0	%	21-Nov-19	105	0	8	, I I I															
00-Paymnt-181	SU&C - Lube Oil Flush U1	0	0	%	03-Dec-19	100	0		8			1 I I 1 I 1 I 1 I 1 I 1 I												
00-Paymnt-184	SU&C - Natural Gas Piping - Air Blows U1	0	0	%	09-Dec-19	97	0		*															
00-Paymnt-180	SU&C - Electrical Testing U2	0	0	%	23-Jan-20	72	1		Ť	*														
00-Paymnt-179	SU&C - Electrical Testing U1	0	0	%	03-Feb-20	66	1			\$														
00-Paymnt-178	SU&C - Electrical Testing Plant Common	0		%	02-Mar-20	50	2			2	*	1 I I 1 I I 1 I I 1 I I												
Misc Milestones		86		% 22-Jul-19 A	19-Dec-19	90	0				Ň													
00-Paymnt-191	Install Warehouse Building - Scope Eliminated by Owner	0			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	0	%	21-Oct-19	123	0	\$	· · · · · ·	!- ! !	+	1		! ! ! ! !	 	!!- ! ! ! !	·	-l			-ll 	·ll- l	·	
00-Paymnt-190	Install Roofless Building U2	0	0	%	11-Dec-19	95	0	· ·	\$															
00-Paymnt-189	Install Roofless Building U1	0	0	%	18-Dec-19	91	0		8															
00-Paymnt-192	Install Perimeter Fence and Gates (Fence Grounding inclu	0		%	19-Dec-19	90	0		×															
Completion Milestones		72		% 26-Feb-20	02-Jul-20	-19	-21		`															
00-Paymnt-186	Mechanical Completion	0		%	26-Feb-20	53	1		-+	- 	8			!!			·	- 4 -				· - 	· 	
00-Paymnt-193	Final Construction Completion	0	0	%	11-Mar-20	45	1				8													
00-Paymnt-194	Final Project Completion	0	0	%	02-Jul-20	-19	-21				•	4	•											
Inclement Weather / Rain	1 Days	1	100	% 04-Mar-19 A	04-Mar-19 A		0					Ť												
00-RainD-001	TIMP: 04MAR19 Rain Over Weekend, No Hauling	1		% 04-Mar-19 A			0																	
Construction	· · · · · · · · · · · · · · · · · · ·			% 04-Feb-19 A		322	2																	
Mobilization				% 04-Feb-19A			0																	
Site Preparation Vehicle Bridge				2% 19-Feb-19A 2% 04-Mar-19A		<u>41</u> -1	0																	
UG Electrical				5% 22-Mar-19 A		84	0				, , ,									1				1
UG Piping				'% 06-May-19 A		327	2																	
Remaining Level of	Effort Actual Work Critical Remaining Work				Page	e 11 of 15						TASK	filtor: N	ot Leve	l Of Effo	rt								

ity ID	Aaster Schedule (w/ARB Sep Sched) CEC/SCE (F9) Activity Name		% Comp	Start	Finish	TF	Fin.		2020
							1/	Sep Oct Nov Dec Jan Feb	Mar Apr May Jun Jul Aug Sep Oct N
Foundations		231	77.51%	06-Mar-19 A	03-Jan-20	355	0		
Structural Steel				05-Feb-19 A		3	0		
Equipment Installation				20-May-19 A		325	1		
AG Piping	n			11-Apr-19 A 29-Jul-19 A	28-Jan-20	<u>322</u> -14	2		•
Painting & Insulation				29-501-19 A 24-Dec-19	19-Feb-20	57	2		
Pre-Commissioning		72		29-Oct-19	09-Mar-20	38	2		
U2 Power Block PW		58		30-Oct-19	13-Feb-20	-19	-11		
U1 Power Block PW		50		14-Nov-19	13-Feb-20	-17	-2		_
System Turn Over P Commissioning	аскадея	122		29-Oct-19 29-Jul-19 A	09-Mar-20 23-Mar-20	38 310	<mark>2</mark> 2		∺
U2 Power Block CW	/P's	132		29-Jul-19 A	02-Mar-20	322	2	10	
U1 Power Block CW	/P's			29-Jul-19 A	02-Mar-20	322	1		
System Commission	ning Packages	76	0%	05-Nov-19	23-Mar-20	38	2		
Demobilization		59		10-Jan-20	22-Apr-20	21	1		
Socal Gas Line	Schedule	87	26.61%	19-Aug-19 A	24-Jan-20	343	-5		
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"	4	0%	30-Sep-19	08-Jan-20	343	-5		
SCG-1030	Testing	4	0%	08-Jan-20	15-Jan-20	343	-5		
SCG-1040	Socal Gas Tie-In	4	0%	15-Jan-20	17-Jan-20	343	-5	_0	
SCG-1050	De-Mobilize	4	0%	20-Jan-20	24-Jan-20	343	-5		
SCE Interconne	ction Schedule	470	61.56%	07-Apr-17 A	20-Aug-20	226	0		
	ability Center Integrated Schedule (PIN# 8016) - Update			07-Apr-17 A	20-Aug-20	226	0		
Project Management		358		07-Apr-17 A	01-Feb-20	339	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		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	0%		01-Feb-20*	-29	0	•	
Customer Milestones		229		14-Dec-18 A	01-Nov-19	501	0		
01205	Design Drawings Final	0	100%		14-Dec-18A	501	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	0%		01-Oct-19*	0	0	₹	
01230	Ready for In-Service Testing	0	0%		01-Nov-19*	0	0	8	
Environmental		150		01-Aug-18 A			0		
0355	Environmental Process	150		01-Aug-18 A	-		0		
Substation				25-Jan-18 A		-20	0		
Mirage Substation		227		14-May-18 A			0		
Engineering		130	100%	14-May-18 A	15-Apr-19 A		0		

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							1/	Sep	Oct N	Nov	Dec Ja	n Feb I	Mar	Apr Ma			ug Se	ep Oct
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		1									
Construction		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											
01020	UFLS Work	34	100%	16-Apr-19 A	31-May-19 A		0											
Commissioning		10		31-May-19 A			0											
01000	Test & In-Service	10		31-May-19 A			0											
	t Barre Substation (SAP# 902360074)			<u>14-May-18 A</u>		-20	0											
Engineering Preliminary Engineeri		145 20		14-May-18 A	10-Apr-19 A 30-May-18 A		0											
01030	Preliminary Engineering	20			30-May-18 A		0											
Final Engineering / Des		145		04-Sep-18 A	-		0											
01050	Final Engineering / Designs	34	1	17-Dec-18 A			0											
01045	Structural Engineering / Design	100	100%	04-Sep-18 A	05-Feb-19 A		0											
01040	Civil Engineering / Design	47	100%	03-Dec-18 A	05-Feb-19 A		0											
01035	Electrical Engineering / Design	66	100%	18-Sep-18 A	05-Feb-19 A		0											
01060	Qualitiy Assurance Review	23		06-Feb-19 A			0											
01255	Issue Structural Steel Package to CDM (SAP# 902306533)	0			28-Mar-19 A		0											
01070	QACorrections	25		11-Mar-19 A	10-Apr-19 A		0											
01065	Issue Completed Package to CDM	0			10-Apr-19 A		0		·									
Procurement / Material		198		21-Nov-18 A	30-Aug-19 A		0							1				
01100	RE to Submit Major Material Order (CB)	0			21-Nov-18 A		0											
01085	Issue PO for Circuit Breaker	0	100%		03-Dec-18A		0											
01115	CB Delivered	0	100%		30-Aug-19 A		0	,										
01110	Procurement / Material Delivery	125	100%	03-Dec-18 A	30-Aug-19 A		0	· • •					·i- 					
Construction	-	154	48.05%	03-Jun-19 A	17-Jan-20	-20	0							1				
01270	Summer Load and High Line Loading Period	100		03-Jun-19 A		-20	0											
01280	3ABank in Position 10 Offline	0	0%		15-Nov-19	-20	0			8								
01275	Outage Request	15	0%	28-Oct-19	15-Nov-19	-20	0											
01078	Construction Start	0	0%	18-Nov-19		-20	0			\$		+-						
01260	Install Structural Steel for 66kV Switchrack Position# 10 (S	20	0%	18-Nov-19	13-Dec-19	5	0		-									
01165	Construction Finish	0	0%		17-Jan-20	-20	0					\$						
01075	Built and Test Position 11	45	0%	18-Nov-19	17-Jan-20	-20	0											
Commissioning		5		20-Jan-20	24-Jan-20	-20	0											
01080	Test & In-Service	5		20-Jan-20	24-Jan-20	-20	0							· · · · · · · · · · · · · · · · · · ·				
nterconnection Facilitie	s at Barre Substation (SAP# 902360075)	388	78.09%	25-Jan-18 A	24-Jan-20	-20	0											
Engineering				25-Jan-18 A		-20	0							1 1 1				
Preliminary Engineerii 01090	ng Preliminary Engineering	21 21		25-Jan-18 A 25-Jan-18 A			0											
Final Engineering / Des				04-Sep-18 A		-20	0		·									
01105	Structural Engineering / Design	<u> </u>	1	04-Sep-18 A		-20	0											
							-	1		<u> </u>						<u> </u>		

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	Master Schedule (w/ARB Sep Sched) CEC/SCE (F9)		0/ -			Summar		r							
y ID	Activity Name	OD	% Comp	Start	Finish	TF	Fin. Var.	Sep Oct Nov De		ob Mari	Aprilla	202		Son Ort	Next
01095	Electrical Engineering / Design	66	100%	18-Sep-18 A	05-Feb-19 A		0		Jan F	eb Mar	Apr Ma	ay Jun		Sep Oct	NOV
01125	Issue Completed Package to CDM	0	100%	10-000-107	10-Apr-19 A		0								
01120	Quality Assurance & QA Corrections	51		06-Feb-19 A	10-Apr-19 A		0								
01130	Relay Settings (OD43)			16-Sep-19 A	-	-20	0	<u></u>							
Procurement/Mat		30		15-Apr-19 A	15-Jul-19 A	-20									
01135	Procurement / Materials Delivery	30		15-Apr-19 A 15-Apr-19 A	15-Jul-19 A		0								
Construction		60		28-Oct-19	17-Jan-20	-20	0				1				1
01140	Construction Start	0		28-Oct-19		-20	0								1
01150	Construction Finish	0	0%		17-Jan-20	-20	0		\$				·		
01145	Construction Duration	60	0%	28-Oct-19	17-Jan-20	-20	0								
Commissioning		5	0%	20-Jan-20	24-Jan-20	-20	0								
01155	Test & In-Service	5	0%	20-Jan-20	24-Jan-20	-20	0								1
Sub Transmission / G		350		02-Jul-18 A	03-Jan-20	-10	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								
01200	Civil Bidding	35	57.14%	16-Aug-19 A	18-Oct-19	-10	0								
01265	Civil Work	15	0%	21-Oct-19	08-Nov-19	-10	0								
01285	Turnover Of Skip To SCE	0	0%		28-Nov-19*	-9	0	\$		+					
01190	Cable Installation Work	15	0%	29-Nov-19	19-Dec-19	-9	0								
01290	Perform Terminations At Skip	5	0%	20-Dec-19	26-Dec-19	-9	0]						
01195	Testing/Commissioning	5	0%	30-Dec-19	03-Jan-20	-10	0		0						
TransTelecom		233	82.83%	20-Feb-19 A	10-Jan-20	-10	0								
Barre Substation		233			10-Jan-20	-10	0								
01235	Designs / Engineering	72		20-Feb-19 A	30-May-19 A		0								1
01240	Procurement & Materials Delivery	48	100%	18-Jun-19 A	22-Aug-19 A		0								
01245	Trans Telecom Work at Barre Substation	20	0%	18-Nov-19	13-Dec-19	-10	0								1
01250	Installation Testing	10	0%	30-Dec-19	10-Jan-20	-10	0								1
Skip Substation				20-Feb-19 A		-10	0								
9120	Designs / Engineering	72		20-Feb-19 A	-		0								
9125	Procurement & Materials Delivery	48	100%	18-Jun-19 A	22-Aug-19 A		0								1
9130	Trans Telecom Work at Skip Substation	20	0%	28-Nov-19*	25-Dec-19	-8	0								
9135	Installation Testing	10	0%	30-Dec-19	10-Jan-20	-10	0								
IT/Telecom		293		19-Nov-18 A		-10	0				1 1 1				
Barre Substation 9020	Preliminary Engineering	293 60		<u>19-Nov-18 A</u> 19-Nov-18 A		-10	<u>0</u> 0								1
							0								1
9025	Final Engineering	65		18-Feb-19 A	-										
9030	Procurement & Material Delivery	90		22-May-19 A		33	0								
9035	IT/Telecom Installation at Barre Substation	10		16-Dec-19	27-Dec-19	-10	0								
9060	Installation Testing	10		30-Dec-19	10-Jan-20	-10	0								
Skip Substation		293	B9.08%	19-Nov-18 A	10-Jan-20	-10	0						1		

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vity ID	Master Schedule (w/ARB Sep Sched) CEC/SCE (F9) Activity Name		% Comp	Stort	Finish	Summar	y Fin.	-					0(020		
	Activity Name		% Comp	Sidit			Var.		Oct Nov Dec	Jan	Feb Mar	Apr			Sep Oc	t Nov
9070	Preliminary Engineering	60	100%	19-Nov-18 A	15-Feb-19 A		0									-
9075	Final Engineering	65	100%	18-Feb-19 A	21-May-19 A		0									
9080	Procurement & Material Delivery	90	100%	22-May-19 A	24-Sep-19 A		0									
9085	IT/Telecom Installation at Skip Substation	10	0%	28-Nov-19*	11-Dec-19	-13	0							1 I 1 I 1 I 1 I 1 I		
9090	Installation Testing	10	0%	30-Dec-19	10-Jan-20	-10	0									
PSC		236		20-Feb-19 A		-13	0									
Barre Substation	Pro lincia en e Frankra e river	236		20-Feb-19 A		-13	0									
9040	Preliminary Engineering	60		20-Feb-19 A	14-May-19 A		0	-								-
9045	Final Engineering	65		15-May-19 A	13-Aug-19 A		0	_								
9065	Test & In-Service	10		02-Jan-20	15-Jan-20	-13	0									
Skip Substation	De liminer - Encine ering	236		20-Feb-19 A	15-Jan-20	-13	0									
9095	Preliminary Engineering	60		20-Feb-19 A	•		0									
9100	Final Engineering	65		15-May-19 A			0							I I I I I I I		1
9105	Procurement & Material Delivery	50		14-Aug-19 A	08-Nov-19	0	0			-						
9110	PSC Installation at Skip Substation	25		28-Nov-19	01-Jan-20	-13	0	_								
9115	Test & In-Service	10		02-Jan-20	15-Jan-20	-13	0	_								
Project Closeout		66		20-May-20	20-Aug-20	0	0									
9015	Issue Authorization To Close (ATC)	0	0%		20-May-20*	0	0	_					8			
9010	Work Order Close-Out Complete (FAOC)	0	0%		20-Aug-20*	0	0							\$		
BESS Construc	tion Schedule	92		01-Nov-19	17-Apr-20	296	0									
BESS-2000	Construction (Foundations)	4	0%	01-Nov-19*	03-Dec-19	242	0									
BESS-2010	Construction (Superstructure)	4	0%	04-Dec-19	20-Dec-19	242	0			<u> </u>	¦ ;	<u> </u>		· · · · · · · · · · · · · · · · · · ·		
BESS-2030	BESS Equipment Delivered To Site	0	0%		06-Jan-20*	258	0			\$						
BESS-2020	Equipment Installation	4	0%	20-Dec-19	03-Feb-20	242	0			<u>.</u>						
BESS-2040	BESS Testing & Commissioning	4	0%	03-Feb-20	25-Feb-20	242	0									
BESS-2060	ESS Substantial Completion Target	0	0%	25-Mar-20		242	0				8	>				
BESS-2070	SCS Software Delivered	0	0%	25-Mar-20		242	0				8					
BESS-2050	EGT Testing & Commissioning	4	0%	25-Feb-20	25-Mar-20	242	0									
BESS-2080	EGT Comissioning and Trial Test Runs	4	0%	25-Mar-20	01-Apr-20	242	0	-				1				
BESS-2090	EGT Substantial Completion Target (COD)	0	0%	01-Apr-20		242	0					8				
BESS-2100	O&M Staff Training By GE	4	0%	01-Apr-20	09-Apr-20	296	0					È.				
BESS-2110	As Builts	4		01-Apr-20	16-Apr-20	296	0	-								
BESS-2120	Final Completion Target	0		17-Apr-20		296	0	+	+++			8				

Remaining Level of Effort
 Actual Level of Effort

Remaining Level of Effort Actual Work

Remaining Work

Milestone

Critical Remaining Work

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Attachment 2 – COM-5 Compliance Matrix

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	A	В	С	D	E	F	G	н	1	J	K	0	Р	Q	R	S	Т	U
1	Stanto	n Energ	y Relia	bility Center Compliance Matrix (16	-AFC-01)	1						Pre- Construction						
2	All Phase	S						6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final	Staff Assessment					Commissioning						
4				Revised 4/50/2019		buscu on rindri						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
6	AQ	AQ-A1.a	COM/OP:	5 Monthy Emissions Limits - See Decision for specific emission limits by politant (NOC, CO, VOC, PMLO, PML2, SOA). See Decision AQ-A1 also for rules regarding the for commencement of operation. See Decision for rules on emissions calculations during the transition from Commissioning to Operation.	The turbine shall not commence with normal operation until the commissioning process has been completed. Morell appravious commences when the turbine is able to supply electrical energy to the power grid as sequired under contract with the relevant entities. The SCAQMD shall be notified in writing once the commissioning process for each turbine is completed.	The SCAQMD shall be notified in writing once the commissioning process for each turbine is completed.	When commissioning is complete	3/26/2020		Not Started				SCAQMD			SERC	DSR
7	AQ.	AQ-A1.b	COM/OP	Monthy Emissions Limits - See Decision for specific emission limits by politutar (NOX, CQ, VOC, PMID, PM25, SOA). See Decision AQ-A1 also for rules regarding the for commencement of operation. See Decision for rules on emissions calculations during the transition from Commissioning to Operation.	emissions summary data in compliance with his condition as part of the Quarterly Operation	The project owner shall provide emissions summary data in compliance with his condition as part of the Quarterly Operation reports (AQ- SC7).	Quarterly, no later than 30 days following the end of each calendar quarter	Quarterly		Not Started				SCAQMD			SERC	DSR
8	AQ	AQ-A1.c	OPS	Monthly Emissions Limits - See Decision for specific emission limits by politant (NOC, CO, VOC, PMJD, PMZ5, SOA). See Decision AQ-A1 also for rules regarding the for commencement of operation. See Decision for rules on emissions calculations during the transition from Commissioning to Operation.	a calendar month and automated monthly and annual calculated emissions. [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002] [Devices subject to this condition: D1, D7]	Maintain for a minimum of 5 years	N/A	N/A		Not Started							SERC	DSR
	AQ	AQ-A2	OPS	Annual Emissions Limits - See Decision for specific emission limits to pollutari (NOC, CO, VOC, PMJD, PMZ: S, SOA). See Decision AQ-A1 also for rules regarding the for commencement of operation. See Decision for rules on emissions calculations during the transition from Commissioning to Operation.	The project owner shall maintain records to demonstrate compliance with this condition and shall make such records available to the SCAUMD Executive Officer upon request. The records shall be maintained for a minimum of 5 years in a manner approved by SCAUMD. The records shall include, but not be limited to, natural gas usage in a calendar month and automated monthly and annual actudated emissions. (RULE 1303(a)(1)-ARCT, 5-10-1996; RULE 1303(a)(1)-ARCT, 16-2002; RULE 1303(a)(2)-Offset, 12-61-01996; RULE 130(a)(2)-Offset, 12-61-01	shall provide emissions summary data in compliance with his condition as part of the 4th	Annually, no later than 30 days after end of the 4th quarter (See AQ-SC7)	Annually		Not Started							SERC	DSR
10	AQ	AQ-A2.a		Annual Enkolators Limits. See Decision for spearlie emission limits by pollutant (NOX, CO, VOC, PMID, PMZ-5, SOI, See Decision AC-41 also for rules regarding the for commencement of operation. See Decision for rules on emissions calculations during the transition from Commissioning to Operation.	The project owner shall maintain records to demonstrate compliance with this condition and shall make such records available to the SCAQUD Securitye Officer upon request. The records shall be maintained for a minimum of 5 years in a manner approved by SCAQMD. The records shall include, but not be limited to, natural gas usage in a calendar month and automated monthly and annual calculated emissions. (RULE 1303(a)(1)-ARCT, 5-10-1996; RULE 130(a)(1)-ARCT, 5-10-1996; RULE 130(a)(1)-ARCT, 5-10-1996; RULE 130(a)(1)-ARCT, 5-10-1996;	Maintain for a minimum of 5 years	N/A	N/A		Not Started							SERC	DSR

	A	В	С	D	E	F	G	н	<u> </u>	J	K	0	Р	Q	R	s	T	U
1	Stanto	n Energ	y Reliabi	lity Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
	All Phase	S						6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	taff Assessment					Commissioning						
				Revised 4/30/2015								operations						
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM		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
11	AQ	AQ-A3	COM/OPS	2.5 PPMV NOX Limit Averging. The 2.5 PPMV NOx emission limit(s) averaged over 1 hour, dry basis at 15 percent oxygen. This limit shall not apply to turbine commissioning, strutu, and shutown periods. [RULE 1333(a)[1]-BACT, 5-10-1996; RULE 1333(a)(1)-BACT, 12-6-2002] (Devices subject to this condition: D1, D7)	compliance with this condition as part of the Quarterly Operation Reports (AQ-SC7).	The project owner shall submit CEMS records demonstrating compliance with this condition as part of the 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-A4	COM/OPS	4.0 PPMV CO Limit Averaging - The 4.0 PPMV CO emission limit(s) is sared 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, 5-01-996; RULE 1303(a)(1)-BACT, 12-6-2002) [Devices subject to this condition: D1, D7]	compliance with this condition as part of the Quarterly Operation Reports (AQ-SC7).	The project owner shall submit CEMS records demonstrating compliance with this condition as part of the 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-A5		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, 5:0-1396; RULE 1303(a)(1)-BACT, 12-6-2002) [Devices subject to this condition: D1, D7]	records demonstrating compliance with this condition as part of the Quarterly Operation Reports (AQ- SC7).	demonstrating compliance with this condition as part of the 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-A6	COM/OPS	25 PPMV Nox Limit Averaging: The 25 PPAV 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 KKKK, 7-5-2006] [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).	The project owner shall submit CEMS records demonstrating compliance with this condition as part of the Quarterly Operation Reports (AQ: SC7).	Quarterly, no later than 30 days after end of the quarter (See AQ-SC7)	Quarterly		Not Started							SERC	DSR
15	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]	records demonstrating compliance with this condition as part of the t Quarterly Operation Reports (AQ-	The project owner shall submit records demonstrating compliance with this condition as part of the 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	COM/OPS	NH ₂ Limit Averaging - The S. 0 PPMV NH, 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 NH ₂ calculation	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.			Not Started							SERC	DSR
17	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 silp concentration (Does not apply to commissioning, turbine startup, and shutdown.) See the Decision for NH3 calculation equation.	monitoring system according to a District-approved monitoring plan. The project owner shall include exceedances of the hourly ammonia slip limit and calibration	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, no later than 30 days after end of the quarter (See AQ-SC7)	Quarterly		Not Started							SERC	DSR
17	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.	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	Calibrate SCR inlet Nox analyzer	Once every 12 months	Annually		Not Started							SERC	DSR

	A	В	c	P	E	F	G	н	1	j	к	0	Р	0	R	s	т	U
1	Stanto	n Energ	v Reliabi	lity Center Compliance Matrix (16	AFC-01)		-					Pre- Construction						
	All Phase						1	6/30/2040				Construction						
3												Commissioning						
4	Technical Resource	Cond. #	Phase	Revised 4/30/2019 Description	Verification/Action/Submittal	Based on Final S	taff Assessment 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	Operations Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
19.	AQ	AQ-B1		H ₅ SLimit 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: H ₃ S > 0.25 Grains per 100 SCF	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 Distric, ARB, and the farergy 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
20	AQ	AQ-C1	COM/OPS	Start-up Limitations - Owner shall limit the number of start-ups to no more than 124 in any one calendar month.	documenting the type of startup,	Monthly reports to be included in Quarterly Operation Reports.	Quarterly, no later than 30 days after end of the quarter (See AQ-SC7)	Quarterly		Not Started							SERC	DSR
21	AQ.	AQ-C1.a	COM/OPS	Start-up Limitations - Owner shall limit the number of start-ups to no more than 124 in any one calendar month.	records to demonstrate compliance with this condition and shall make such records available	maintained for a minimum of 5 years in	N/A	N/A		Not Started							SERC	DSR
22	AQ.	AQ-C2	COM/OPS	Shutdown Limitations - Owner shall limit the number of shutdowns to no more than 124 in any one calendar month.	documenting each shutdown, and indicating the duration and date of	included in Quarterly	Quarterly, no later than 30 days after end of the quarter (See AQ-SC7)	Quarterly		Not Started							SERC	DSR
23	AQ	AQ-C2.a	COM/OPS	Shutdown Limitations - Owner shall limit the number of shutdowns to no more than 124 in any one calendar month.	records in a manner approved by	minimum of 5 years in a manner approved by	N/A	N/A		Not Started							SERC	DSR
24	AQ.	AQ-C3	COM/OPS	Pressure Relief Valve Requirements - The project owner shall install and maintain a pressure relief valve set at 2.3 psig.	demonstrate compliance with this condition as part of the Quarterly Operation Reports (AQ-SC7).		Quarterly, no later than 30 days after end of the quarter (See AQ-SC7)	Quarterly		Not Started							SERC	DSR
25	AQ.	AQ-D1	COM/OPS	Initial Source Test - Owner must conduct initial commissioning air pollutant source tests. See Decision for methods, averaging times, and test location. District must approve test protocol in advance. Notify District prior to test of date and time of test. See Decision for further test specifications.	District approval of the source test	N/A	N/A	N/A									SERC	DSR
26	AQ.	AQ-D1a	COM/OPS	Initial Source Test - Owner must conduct initial commissioning air pollutant source tests. See Decision for methods, averaging times, and test location. District must approve test protocol in advance. Notify District prior to test of date and time of test. See Decision for further test specifications.	approval.	Proposed source test protocol.	Submit protocol 90 days before test date to CPM.	9/30/2020		Not Started							SERC	DSR
27	AQ.	AQ-D1b	COM/OPS	Initial Source Test - Owner must conduct Initial commissioning air pollutant source tests. See Decision for methods, averaging times, and test location. District must approve test protocol in advance. Notify District prior to test of date and time of test. See Decision for further test specifications.		Proposed source test protocol.	Submit protocol 90 days before test date to Air District.	9/30/2020		Not Started				SCAQMD			SERC	DSR
20	AQ	AQ-D1c	COM/OPS	Initial Source Test - Owner must conduct initial commissioning air politunat source tests. See Decision for methods, averaing times, and test location. District must approve test protocol in advance. Notify District prior to test of date and time of test. See Decision for further test specifications.	Submit test protocol to CPM for approval.	Proposed source test protocol.	Notify CPM of proposed date and time 10 days prior to test date.	10/28/2019 2/5/2020		Not Started							SERC	DSR
29	AQ.	AQ-D1d	COM/OPS	Initial Source Test - Owner must conduct initial commissioning air politunt source tests. See Decision for methods, averaging times, and test location. District must approve test protocol in advance. Notify District prior to test of date and time of test. See Decision for further test specifications.	Submit test protocol to District for approval.	Proposed source test protocol.	Notify Air District of proposed date and time 10 days prior to test date.	10/28/2019 2/5/2021		Not Started				SCAQMD			SERC	DSR

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1 5	Stanto	n Energ	y Reliabi	lity Center Compliance Matrix (16	-AFC-01)						1	Pre- Construction						
2 A	All Phase	s						6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	Staff Assessment					Commissioning Operations						
				Newsed 4/36/2015								operations						
1 1 5	lechnical 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
30	AQ	AQ-D2	COM/OPS	Operations Source Test - Owner must conduct air polltant source test for SOX, VOC, and PM10 once every three years. See Decision for methods, averaging times, and test location. Notify Diatric prior to test of date and time of test. See Decision for further test specifications.	The test(s) shall be conducted at least once every three years. 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 source tests no later than 45 days prior to the proposed source test date to both the District and CPM for approval.	N/A	Ν/Α	#VALUE!		Not Started							SERC	DSR
31	AQ.	AQ-D2a		Operations Source Test - Owner must conduct air polltant source test for 50X, VCJ 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 test according to the onjinal 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 buter than 45 days prior to the proposed source test date to both the District and CPM for approval.		Submit protocol 45 days before test date to Notify CPM	3/19/2020		Not Started							SERC	DSR
32	AQ	AQ-D2b	COM/OPS	Operations Source Test - Owner must conduct air pollutant source test for SOX, VOC, and PM10 once every three years. See Decidion 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 onjinal protocol. If changes to the testing methods or testing canditions are proposed, then the project owner shall submit a revised protocol for the source tests no bater 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 Notify District	2/18/2021		Not Started				SCAQMD			SERC	DSR
33	AQ	AQ-D2c		Operations Source Test: Owner must conduct air pollutant source tests for SOX, VOC, and MR10 once every three years. See Dedision for methods, averaging times, and test location. Notify District prior to test of date and time of test. See Dedision for further test specifications.	Revised test protocol (if changes to the previously approved protocol are proposed) to District and CPM. Source test results to District and CPM	Revised source test protocol (if proposed), test result report	Submit results 60 days after the test. Notify CPM	7/2/2020		Not Started							SERC	DSR
34	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.	Revised test protocol (if changes to the previously approved protocol are proposed) to District and CPM. Source test results to District and CPM	Revised source test protocol (if proposed), test result report	Submit results 60 days after the test. Notify District	6/3/2021		Not Started				SCAQMD				
35	AQ	AQ-D2e	COM/OPS	Operations Source Test - Dwater must conduct air pollutant source test for 50X, VCA and PM10 once every three years. See Decklon for methods, averaging times, and testlocation. Notify District prior to test of date and time of test. See Decklon 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.	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.	Notify CPM 10 days before the test of date and time. Test every three years.	5/3/2020		Not Started							SERC	DSR
36	AQ	AQ-D2f	COM/OPS	Operations Source Test: Owner must conduct air pollutant source tests for SOX, VUC, and PM10 once wery 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.	shall notify the District and CPM no later than	Notify District 10 days before the test of date and time. Test every three years.	5/3/2020		Not Started				SCAQMD			SERC	DSR
37	AQ	AQ-D3a		NH3 Source Test - Owner must conduct air pollutant source tests for Nih, quarterly during first 12 months of operation and annually fater 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.	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		to CPM	4/4/2021		Not Started							SERC	DSR
38	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. Notfy 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 order to the proposed source test	Revised source test protocol (if proposed), test result report	Submit protocol 45 days before test date to District	4/4/2021		Not Started				SCAQMD			SERC	DSR

	А	В	C	D	E	F G	н	1	J	К	0	Р	Q	R	S	T	U
1			y Reliabi	lity Center Compliance Matrix (16	-AFC-01)						Pre- Construction						
2	All Phase	es					6/30/2040				Construction						
3				Revised 4/30/2019	E	Based on Final Staff Assessme	t	-			Commissioning Operations						
				······································													
5	Technical Resource	Cond. #	Phase	Description		Submittal Date Submitt 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	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
39	AQ	AQ-D3c		NH3 Source Test - Owner must conduct air pollutant source tests for NH, 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 NH3 SI source test results no later than 60 days following the source test date to both the District and CPM.	days after the t CPM	est to		Not Started							SERC	DSR
40	AQ	AQ-D3d	COM/OPS	NH3 Source Test - Owner must conduct all pollutant source tests for NH3 quarterly during first 12 anoths 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 NH3 SI source test results no later than 60 days following the source test date to both the District and CPM.	lip test results Submit result days after the District			Not Started				SCAQMD			SERC	DSR
41	AQ	AQ-D3e	COM/OPS	NH3 Source Test - Owner must conduct air pollutant source tests for Nik, quarterly during first 12 months of operation and annually after that. See Decidion 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 The SC District and CPM no later than 10 days prior to the proposed initial and tir source test of the date and time of least 1 the scheduled test.	ed of the date shall notify the me of the test at 0 days prior to prior to the pro	CPM days posed est of me of		Not Started							SERC	DSR
42	AQ	AQ-D3f	COM/OPS	NH3 Source Test - Owner must conduct air pollutant source tests for NH3 guarterly during first 12 montsbar 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 The SC District and CPM no later than 10 notified days prior to the proposed initial and ti source test of the date and time of least 1 the scheduled test.	ed of the date shall notify me of the test at District no late 0 days prior to 10 days prior t	he than o the tial the of the		Not Started							SERC	DSR
43	AQ	AQ-D3g	COM/OPS	NH3 Source Test - Owner must conduct air pollutant source tests for NH ₃ quarterly during first 12 months of operation and annualial vitter that. See Decision for methods, averaging times, and test location. Notify District prior to rest of data and time of test. See Decision for further test specifications.	The test shall be conducted at N/A least quarterly during the first twelve months of operation and at least annually thereafter.	N/A	Quarterly/Annual		Not Started							SERC	DSR
44	AQ.	AQ-D4	COM/OPS	CEM5 for C0 - Install a CLMS to measure CO concentrations, corrected to 15 percent oxygen, dry basis to demonstrate compliance with BACT limit of 4.0 ppmvd CO at 15% oxygen. See Decision for CO conversion rate formula.	The CEMS shall be installed and NA operating no later than 90 days after initial start-up of the turbine, and in accordance with an approved SCAMD Noile 218 CEMS plan application. The project owner shall no ital the CEMS prior to receiving initial approval from SCAQMD.	The CEMS shall installed and operating no laid than 90 days aft initial start-up c turbine, and in accordance with approved SCAQ Rule 218 CEMS application.	er er f the MD		Not Started							SERC	DSR
45	AQ	AQ-D4a		CENS for CO - Install a CEM to measure CO concentrations, corrected to 15 percent oxygen, dry basis to demonstrate compliance with BACT limit of 4.0 ppmrd CO at 15% oxygen. See Decision for CO conversion rate formula.	SCAQMD approval. The project owner shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	CEMS plan to within 90 day SCAQMD app	CPM s of oval.		Not Started							SERC	DSR
46	AQ	AQ-D4b		CEMS for CO - Install a CEMS to measure CO concentrations, corrected to 15 Percent oxygen, dry basis to demonstrate compliance with BACT limit of 4.0 ppmd CO at 15% oxygen. See Decision for CO conversion rate formula.	conclusion of the turbine commissioning period.	cation testing within 9 of the conclus turbine commission period.	D days on of ng		Not Started							SERC	DSR
47	AQ	AQ-D5	COM/OPS	CEMS for NOz - Instal a CEMS to measure NOz concentrations, corrected to 15 percent oxygen, dry basis to demonstrate compliance with BACT limit of 4.0 pmd CO at 15% oxygen. See Dedsion for CO conversion rate formula.	The CEMS shall be installed and operating no later than 90 days after initial start-up of the turbine, and in accordance with an approved CEMS certification application submitted in compliance with 40 CFR Part 60 Subpart KKKK and 40 CFR Part 50 The project owner shall not initial approval from SCAQMD.	The CEMS shall installed and operating no lu than 90 days at initial start-up o turbine	er er		Not Started							SERC	DSR

	А	В	C	D	E	F	G	н	I	J	K	0	Р	Q	R	s	T	U
1	Stanto	n Energ	y Reliab	ility Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
	All Phase			•		•		6/30/2040				Construction						
3						Read on Final 6	Staff Assessment					Commissioning						
4				Revised 4/30/2019		Based on Final S	Starr 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? t	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project
48	AQ	AQ-D5a	COM/OPS	CEMS for NOx - Install a CEMS to measure NOx concentrations, corrected to 15 percent oxygen, dry basis to demonstrate compliance with BACT limit of 4.0 ppmvd CO at 15% oxygen. See Decision for CO conversion rate formula.	Approved CEMS plan. Owner to make site available for inspection of records by District, ARB, and Commission. (See also AQ-D4).	CEMS Plan	Submit approved CEMS plan to CPM within 90 days of SCAQMD approval.	3/11/2020	Date submitted to CPM	Not Started	Date Approved by CPM		60	submittor	o other agencies	Agencies	SERC	Manager DSR
49	AQ	AQ-D5b	COM/OPS	CEM5 for MOx - Install a CEM5 to messure NOx concentrations, corrected to 15 percent owygen, dry basis to demonstrate compliance with BACT limit of 4.0 ppmvd CD at 15% owgen. See Decision for CO conversion rate formula.	The project owner shall submit the SCAOMD approved CEMS plan to the CFM within 90 days of SCAOMD approval. The project owner shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	CEMS Plan	Initial certification testing within 90 days of the conclusion of turbine commissioning period.	6/9/2020									SERC	DSR
50	AQ.	AQ-D6a	COM/OPS	Meter for NH, Flow - Install a meter to measure the total hourly flow/throughput of injected ammonia (NH). The flow meter must be accurate to 4-5 percent and calibrated annually. Maintain ammonia injection rate between 12 and 200 pounds per hour (except during startups and shutdowns).	Calibrate NH3 Meter The project owner shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	The project owner shall demonstrate compliance with this condition as part of the Quarterly Operation Reports (AQ- SC7).	Prior to first fire	2/5/2020		Not Started							SERC	DSR
51	AQ.	AQ-D6b	COM/OPS	Meter for NH, Flow - Install a meter to measure the total hourly flow/throughput of injected ammonia (NH). The flow meter must be accurate to v/-5 percent and calibrated annually. Maintain ammonia injection rate belowen 21 and 200 pounds per hour (except during startups and shutdowns).	Documentation of compliance in the Monthly Compliance Report. Owner to make site available for inspection of records by District, ARB, and Commission. (See also AQ-D4).	Documentation demonstrating compliance in Quarterly Operations Report, including table of shutdowns	Quarterly, no less than 30 days after end of the quarter (See AQ-SC7)	Quarterly		Not Started							SERC	DSR
52	AQ	AQ-D6c	COM/OPS	Meter for NH, Flow - Install a meter to measure the total hourly flow/throughput of injected ammonia (NH). The flow meter must be accurate to 4-5 percent and calibrated annually. Maintain ammonia injection rate between 12 and 200 punds per hour (except during startups and shutdowns).	Calibrate NH3 Meter The project owner shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	The project owner shall demonstrate compliance with this condition as part of the Quarterly Operation Reports (AQ: SC7).	Once every 12 months	Annually		Not Started							SERC	DSR
	AQ	AQ-D7a	COM/OPS	SCR Temperature Gauge - Inscala I agaige to measure temperature of the SCR exacts inite Temperature should be recorded once per hour and calibrated based on the average of the continuous monitoring for that hour. The gauge should be accurate to 4/- 5 percent and calibrated once per 12 months. Matanian SCM/CO calabit nite temperature between 460 and 855 degrees f (except during startups and shutdowns).	Calibrate SCR Inlet temperature gauge	The project owner shall demonstrate compliance with this condition as part of the Quarterly Operation Reports (AQ SC7).	Prior to first fire	2/5/2020		Not Started							SERC	DSR
54	AQ	AQ-D7b	COM/OPS	SCR Temperature Gauge - instal a gauge to measure temperature of the SCR reactor iniet. Temperature should be recorded once per hour and calibrated based on the average of the continuous monitoring for that hour. The gauge should be accurate in 4 / 5 percent and calibrated once per L2 months. Manitas ISOV(CO calapit init temperature between 60 and 855 degrees f (except during startups and shutdowns).	Operation Reports (AQ-SC7). The project owner shall make the site available for inspection of	compliance with this condition as part of the Quarterly	Quarterly, no less than 30 days after end of the quarter (See AQ-SC7)	Quarterly		Not Started							SERC	DSR
55	AQ	AQ-D7c		SCR Temperature Gauge - install a gauge to measure temperature of the SCR reactor iniet. Temperature should be recorded once per hour and calibrated based on the average of the continuous monitoring for that hour. The gauge should be accurate to -/- 5 percent and calibrated once per 12 months. Maintain SCR/CO catabyst linet temperature between 460 and 855 degrees F (except during startups and shutdowns).	Calibrate SCR inlet temperature gauge	The project owner shall demonstrate compliance with this condition as part of the Quarterly Operation Reports (AQ: SC7).		Annually		Not Started							SERC	DSR
56	AQ.	AQ-D8a	COM/OPS	SCR Pressure Gauge - Install a gauge to measure differential pressure across the SCR catalyst bed in inches water column. Pressure should be recorded at least once per month and calculated based on the average of the continuous monitoring for that month The gauge should be accurate to 4/5 percent and calibrated once per 21 months. Maintain pressure differential not to exceed between 6.0 inches water column.	Calibrate DP pressure gauge. The project owner shall demonstrate compliance with this condition as part of the Quarterly Operation Reports (AQ-SC7).	N/A	Prior to first fire	2/5/2020		Not Started							SERC	DSR

	A	В	с	D	E	F	G	н	1	J	к	0	Р	Q	R	S	T	U
1	Stanto	n Energ	y Reliabi	lity Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2	All Phase	es						6/30/2040				Construction						
3				Revised 4/30/2019		Peeed on Final 6	taff Assessment					Commissioning						
4				Revised 4/30/2019		Based on Fillar 5	tall Assessment					Operations						
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM		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
57	AQ	AQ-D8b	COM/OPS	SCR Pressure Gauge - Instal a gauge to measure differential pressure across the SCR actalyst bed in inches water column. Pressure should be recorded at least once per mount and calculated based on the average of the continuous monitoring for that month The gauge should be accurate to 4-7 S percent and calibrated once per 12 months. Maintain pressure differential not to exceed between 6.0 inches water column.	The project owner shall demonstrate compliance with this condition 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, ARB, and the Energy Commission.	compliance with this condition as part of the Quarterly Operation Reports (AQ- SC7), including table of	Quarterly, no less than 30 days after end of the quarter (See AQ-SC7)	Quarterly		Not Started							SERC	DSR
58	AQ	AQ-D8c	COM/OPS	SCR Pressure Gauge - Install a gauge to measure differential pressure across the SCR catalyst bed in inches water column. Pressure should be recorded at least once per month and calculated based on the average of the continuous monitoring for that month The gauge should be accurate to 4'.5 percent and calibrated once per 12 months. Maintain pressure differential not to exceed between 6.0 inches water column.	Calibrate DP pressure gauge. The project owner shall demonstrate compliance with this condition as part of the Quarterly Operation Reports (AQ-SC7).	N/A	Once every 12 months	Annually		Not Started							SERC	DSR
59	AQ	AQ-E1	CONS	The project owner shall upon completion of construction, operate and maintain this equipment according to the following requirements: In according or with all all quality mitigation measures stipulated in the final California Energy Commission decision for the 16-AFC- 01 project. [CA PPC (ECA). 512-2017 [Devices subject to this condition: D1, C3, C4, D7, C9, C10, D13]	The project owner shall make the site available for inspection by representatives of the District, AR8, U.S. EPA and the Energy Commission.	N/A	N/A	Conditional		Not Started							SERC	DSR
60	AQ	AQ-E2	CONS	Permit to Construct - The Permit to Construct shall expire one year from the Permit to Construct Issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the District Executive Officer prior to the Operation of the equipment, in which case the Permit Construct serves as a temporary Permit to Operate.	Owner to make site available for inspection of records by District, ARB, US EPA, and the Commission.	N/A	NA	Conditional		Not Started							SERC	TLB
61	AQ	AQ-E2a	CONS	Permit to Construct - The Permit to Construct shall expire one year from the Permit to Construct susance date, uniess a Pertain to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the District Executive Officer prior to the Operation of the equipment, in which case the Permit Construct serves as a temporary Permit to Operate.	Permit to Construct	Permit to Construct extension	Prior to expiration of Permit to Construct	Conditional		Not Started				SCAQMD			SERC	TLB
62	AQ	AQ-E3	COM/OPS	Commissioning Hours - Total commissioning hours shall not exceed 100 hours of fired operation for each turbing from the date of initial turbines starture. Commissioning hours without control shall not exceed 80 of the 100 commissioned at the same time. Turbines shall be vented to the CO Oxidation catalyst and SCR control system during any turbine operation after commissioned is completed.	records including the total number	shall demonstrate compliance with this condition as part of the Quarterly Operation Reports (AQ:	Quarterly, no later than 30 days after end of the quarter (See AQ-SC7)	Quarterly		Not Started							SERC	DSR
63	AQ	AQ-E3a	COM/OPS	Commissioning Hours - Total commissioning hours shall not exceed 300 hours of fired operation for each turbine from the date of initial turbine startup. Commissioning hours without control shall not exceed 38 of the 100 commissioning hours. Two turbines may be commissioned at the same time. Turbines shall be vented to the CO dividation catabyt and SCR control system during any turbine operation after commissioning is completed.	the SCAQMD with written	The SCAQMD shall be notified in writing of the initial startup date of each turbine.	After first fire of each unit.	N/A		Not Started				SCAQMD			SERC	DSR

	A	В	С	D	E	F	G	Н	I	J	K	0	Р	Q	R	S	T	U
			y Reliabi	lity Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2	All Phase	es						6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final	Staff Assessment					Commissioning						
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
64	AQ	AQ-E3b	COM/OPS	Commissioning Hours - Total commissioning hours shall not exceed 100 hours of fired operation for each truthing from the date of initial turbine startup. Commissioning hours without control shall not exceed 38 of the 100 commissioning hours. Two turbines may be commissioned at the same time. Turbines shall be vented to the CO dividation catalyst and SCR control system during any turbine operation after commissioning is completed.	site available for inspection by	N/A	N/A	N/A		Not Started							SERC	DSR
65	AQ	AQ-E4	COM/OPS	Co_Emission Limit - 120 IB:/MMBtu CO_emission limit for non-base load turkines shall apply. Compliance with the 120 Bx/MMBTu CO2 emission limit shall be determined on a 12-operating-month rolling average basis. This turkine shall be operated in compliance with all applicable requirements of A0 CFR Solypart TTTT, including applicable requirements for recordkeeping and reporting. [40 CFR 60 Subpart TTTT, 10-23-2015] [Devices subject to this condition: 0, 1, 07]	the CPM for approval all emissions and emission calculations to demonstrate compliance with this condition as part of the 4th	and emission calculations as part of	Annually, no later than 30 days after end of the 4th quarter (See AQ-SC7)	Annually		Not Started							SERC	DSR
66	AQ	AQ-E5	COM/OPS	Storage Tank, Aqueous Ammonia - The project owner shall vent this equipment, during filling, only to the vessel from which it is being filled.	The project owner shall make the site available for inspection by representatives of the District, ARB, U.S. EPA and the Energy Commission.	N/A	N/A	N/A		Not Started							SERC	DSR
	AQ.	AQ-F1	CONS/COM/ OPS	AF Discharge Limits - Except for open abrasive blasting operations, the project owner shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is: (a) Ad adk or drafker in shade as that designated No. 1 on the Ringelmann chart, as published by the United States Bureau of Minescript (b) of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.	(ARB), the United States Environmental Protection Agency	NA	N/A	N/A		Not Started							SERC	DSR
67	AQ	AQ-H1	COM/OPS	NOx CEMS Performance Evaluation - The performance evaluation of the NOx CEMS shall be conducted as part of the initial performance test of the turbine required no later than 180 days after initial start-up by §60.8, in accordance with the requirements of §60.460. The initial performance test of the turbine shall be conducted to demonstrate compliance with the §60.4320 limit of 35.0 ppm NOx at 15% 02. hour averaging: (AOC F60 Subpart, 6.2-3016; AOC RF6 0 Subpart KKXK, 7-6-2006) [Devices subject to this condition: D1, D7]. See Decision for rules for additional requirements	The project owner shall make the site available for inspection by representatives of the District. ARB, U.S. EPA and the Energy Commission.	N/A	No later than 180 days after initial start- up	9/30/2020		Not Started							SERC	DSR
69	AQ	AQ-H2	COM/OPS	Nox CEMS requirements - The Nox CEMS shall comply with the requirements of conditions D82.2 (ADDS), 173.1 (AC+11), and H72.3 (AC+12). The project owner shall measure and record S02 emissions by using the applicable procedures specified in appendix 0 to Part 75 for estimating hourly 502 mass The project owner shall measure and record C02 emissions by following the procedures in appendix 6 to Part 75 for estimating daily CO2 mass parts and to 975.10(a) (3)(i) and 975.13(b), (40 CFR 75- Acid kina (CEM, 1-48.2021) [Devices subject to this condition: D1, D7] See Decision for rules for additional requirements		N/A	N/A	Ongoing		Not Started							SERC	DSR
70	AQ	AQ-H3	COM/OPS	Refrigerants Requirements - The equipment is subject to the applicable requirements of District Rule 1415. [Devices subject to this condition: E15]	The project owner shall make the site available for inspection by representatives of the District, ARB, U.S. EPA and the Energy Commission.		N/A	Ongoing		Not Started							SERC	DSR
71	AQ	AQ-H4	COM/OPS	Refrigerants Requirements - This equipment is subject to Rule 40 CFR 82, Subpart F. [Devices subject to this condition: E15]	The project owner shall make the site available for inspection by representatives of the District, ARB, U.S. EPA and the Energy Commission.	N/A	N/A	Ongoing		Not Started							SERC	DSR

	А	В	C	D	E	F	G	н	I	J	K	0	Р	Q	R	S	T	U
			gy Reliab	ility Center Compliance Matrix (16-	-AFC-01)							Pre- Construction						
2	All Phase	es				. <u> </u>		6/30/2040				Construction						L
3				Revised 4/30/2019		Based on Final S	taff Assessment					Commissioning						
4				Nevised 4/30/2015								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
-	AQ	AQ-K1	COM/OPS	Source Test Results - The owner must provide source test results to the District 90 days after testing. See the Decision for detailed requirements.	The project owner shall submit the source test results no later than 90 days following the source test date to both the District and CPM.	CPM	No later than 90 days following the source test date	6/9/2020		Not Started				SCAQMD			SERC	DSR
72	AQ	AQ-K1a	COM/OPS	Source Test Results - The owner must provide source test results to the District 90 days after testing. See the Decision for detailed requirements.	The project owner shall submit the source test results no later than 90 days following the source test date to both the District and CPM.	Source test results to District	No later than 90 days following the source test date	6/9/2020		Not Started				SCAQMD			SERC	DSR
74	AQ		CONS/COM OPS	The project owner shall keep records, in a manner approved by the district, for the following parameter(s) or item(s): For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (0) coating type, (0) VOC content as supplied in grams per liter (g/l) of materials for here volds coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings. For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for architectural supplications where thinners, reducers, or other VOC content as applied in grams per liter (g/l) of materials used for low-solutes coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coating, INUE 3004(q)(4) - Periodic Montoring, 12-12-1997] [Devices subject to his]	The project owner shall make the site available for inspection by representatives of the District, AR8, U.S. EPA and the Energy Commission.		N/A	Ongoing		Not Started	-						SERC	TLB
	AQ	AQ-SC1	PC	for directing and documenting compliance with AQ-SC3,	resume, qualifications, and contact	Resume of AQCMM & AQCMM & AQCMM Delegates	At least 60 days prior to ground disturbance	11/3/2018	11/1/2018 Additional Delegates (03/27/2019)	Completed	11/6/2018 04/03/2019						SERC	GAL
75	AQ	AQ-SC2	PC	Air Quality Construction Mitigation Plan - The project owner shall provide an AQAW, 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 AGCMP must be approved by the CPM before the start of ground disturbance.	AQCMP	At least 60 days prior to ground disturbance, the project owner shall submit the AQCMP to the CPM	11/3/2018	11/1/2018	Completed	11/19/2018						SERC	GAL
	AQ	AQ-SC2a	PC	All Quality Construction Mitigation Plan - The project owner shall provide an ACMP. for exproved, 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.	AQCMP	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			
77	AQ	AQ-SC3	CONS	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	Provide a Monthly Compliance Report to the CPM that summarizes all actions taken to maintain compliance with this condition, including compaints filed with the District and other documentation necessary.	MCR	Monthly, no later than 10 business days	Monthly		In Progress							SERC	GAL

Phase CONS CONS	NS A Dust Plume Monitoring - The AQCMM or delegate shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes that have the potential to be transported: [1] offthe project site, (2) 200 feet beyond the centerline of the construction of linear factate that existing mitigation measures are not resulting in effective mitigation. The AQCMM of all ordeligate shall implement the following procedures for additional mitigation measures in the event that such witible dust plumes are observed and shall include a section in the AQCM 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) NS AQ Construction Mitigation Report - The AQCMM shall submit to the CPAI, 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 AQ-SC5 for items A through F). KOMV Air Permit Modifications - The project owner shall	Verification/Action/Submittal Provide a Monthly Compliance Report to the CPM that summarizes all actions taken to maintain compliance with this condition, including compliants filed with the District and other documentation necessary.	Submittal MCR MCR	Astf Assessment Date Submittal is Required Monthly, no later than 10 business days Monthly, no later than 10 business days	6/30/2040 Due Date Monthly Monthly	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date)) In Progress	Date Approved by CPM	Pre-Costruction Construction Operations Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agendes	Responsible Party SERC SERC	SERC Project Manager GAL
CONS	ase Description NS AQ Dust Plume Monitoring - The AQCMM 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 boyond the centremine of the construction of linear facilities, or (3) within 100 feet upwind of any reguirly occupied structures not owned by the project owner, indicate that existing mitigation measures are not resulting in effective mitigation. The AQCMM or delegate shall implement the following procedures for additional mitigation measures in the event that auch visible dust plumes are observed and shall include a section in the AQCM detailing how the additional mitigation measures will be accomplished within the time limits specified: (See Decision AQ-S2 for Steps 1 through 3 for dust plume response) NMS AQ construction Mitigation Report - The AQCMM 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-SCS for items A through F]. VCOMM Air Permit Modifications - The project owner shall	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.	Submittal MCR MCR	Date Submittal is Required Monthly, no later than 10 business days Monthly, no later	Due Date Monthly	Date Submitted to CPM	started, in progress, completed (with date)) In Progress	Date Approved by CPM		Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	by Other	Party SERC	Manager GAL
CONS	ase Description NS AQ Dust Plume Monitoring - The AQCMM 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 boyond the centremine of the construction of linear facilities, or (3) within 100 feet upwind of any reguirly occupied structures not owned by the project owner, indicate that existing mitigation measures are not resulting in effective mitigation. The AQCMM or delegate shall implement the following procedures for additional mitigation measures in the event that auch visible dust plumes are observed and shall include a section in the AQCM detailing how the additional mitigation measures will be accomplished within the time limits specified: (See Decision AQ-S2 for Steps 1 through 3 for dust plume response) NMS AQ construction Mitigation Report - The AQCMM 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-SCS for items A through F]. VCOMM Air Permit Modifications - The project owner shall	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.	Submittal MCR MCR	Date Submittal is Required Monthly, no later than 10 business days Monthly, no later	Monthly	Date Submitted to CPM	started, in progress, completed (with date)) In Progress	Date Approved by CPM		Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agendies	by Other	Party SERC	Manager GAL
CONS	ase Description NS AQ Dust Plume Monitoring - The AQCMM 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 boyond the centremine of the construction of linear facilities, or (3) within 100 feet upwind of any reguirly occupied structures not owned by the project owner, indicate that existing mitigation measures are not resulting in effective mitigation. The AQCMM or delegate shall implement the following procedures for additional mitigation measures in the event that auch visible dust plumes are observed and shall include a section in the AQCM detailing how the additional mitigation measures will be accomplished within the time limits specified: (See Decision AQ-S2 for Steps 1 through 3 for dust plume response) NMS AQ construction Mitigation Report - The AQCMM 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-SCS for items A through F]. VCOMM Air Permit Modifications - The project owner shall	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.	Submittal MCR MCR	Date Submittal is Required Monthly, no later than 10 business days Monthly, no later	Monthly	Date Submitted to CPM	started, in progress, completed (with date)) In Progress	Date Approved by CPM		Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	by Other	Party SERC	Manager GAL
CONS	NS A Q Dust Plume Monitoring - The AQCMM or delegate shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes that have the potential to be transported: [1] offthe project site, (2) 200 feet beyond the centerline of the construction or linear factate that existing mitigation measures are not resulting in effective mitigation. The AQCMM or delegate visible dust plumes are observed and shall include a section in the AQCM detailing how the additional mitigation measures will be accomplicible duith in the time limits specified: (see Desiden AQ-SC4 for Steps 1 through 3 for dust plume response) NS AQ Construction Mitigation Report - The AQCMM shall submit to the CPAI, in the MCR, a construction mitigation report that demonstrates compliance with the following mitigation measures if be accumpliance within the time limits specified: (see Desiden AQ-SC4 for Steps 1 through 3 for dust plume response) NS AQ Construction Mitigation Report - The AQCMM shall submit to the CPAI, 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 AQ-SC5 for items A through F). (COM/ Air Permit Modifications - The project owner shall	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 MCR	Required Monthly, no later than 10 business days	Monthly	Date Submitted to CPM	started, in progress, completed (with date)) In Progress	Date Approved by CPM		Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	by Other	Party SERC	Manager GAL
CONS	shall monitor all construction activities for visible dust plumes. Deservations of visible dust plumes that have the potential to be transported: (1) off the project site, (2) 200 feet boyond the centrefine 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 AQCMM of delegate shall implement the following procedures for additional mitigation measures are used to the AQCM detailing how the additional mitigation measures will be accomplished within the time limits specified: (See Decision AQ-SC for Steps 1 through 3 for dust plume response) NS AQ Construction Mitigation Report -The AQCMM shall submit to the CPM, in the MCA, construction mitigation report that demonstrates compliance with the following mitigation measures for purposes of controlling diesel construction related emissions. Any deviation from the following purposes of 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-SCS for items A through F).	Report to the CPM that summarizes all actions taken to maintain compliance with this condition, including compliants filed with the District and other documentation necessary.	MCR	than 10 business days											
	submit to the CPA, in the MCR, a construction mitigation report that demonstrates compliance with the following mitigation measures for purposes of controlling diseles construction related emissions. Any deviation from the following mitigation measures shall require price CPM notification and approval. [See Decision AQ-SCS for items A through F]. (2004) Air Permit Modifications - The project owner shall	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 take been properly maintained; and (3) any other documentation demed necessary by the CPM and AQCLMM to verify compliance with this condition.		Monthly, no later than 10 business days	Monthly		In Progress							SERC	GAL
CONS/CON	/COM/ Air Permit Modifications - The project owner shall PS provide the CPM copies of any District-issued project air	Submit any propered air poresit													
OPS	provide use of workpapes on any totak scalad publick and permit for the facility. The project owner shall submit to the CPM for review and approval any modification proposed by 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.	modification to the CPM within	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
CONS/COM OPS	Submit Modified Air Permit - See AQ-SCGa	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
CONS/CON OPS	/COM/ Submit Modified Air Permit - See AQ-SC6a PS	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
COM/OP	submit to the CPM Quarterly Operation Reports, following the end of each calendar quarter. Operational and emissions information as necessary to demonstrate	the CPM Quarterly Operation Reports, following the end of each calendar quarter that include	Quarterly Operation Reports	Quarterly, no later than 30 days following the end of each calendar quarter	Quarterly		Not Started				SCAQMD			SERC	DSR
1	shall assign at least one Designated Biologist to the project. The project owner shall submit the resume of the proposed Designated Biologist, with at least three	submitted at least 75 days prior to the start of pre-construction site mobilization activities No pre- construction site mobilization or construction-related activities shall commence until an approved		At least 75 days prior to the start of pre- construction site mobilization activities.	10/19/2018	9/27/2018	Completed	10/17/2018						JACOBS	GAL
		Submit to the CPM Quarterly Operation Reports, following the end of each calendar quarter. Operational and emissions information as necessary to demostrate compliance with the Conditions of Certification herein to be included. PC Designated Biologist Selection - The project owner shall assign at least one Designated Biologist to the project. The project owner shall submit the resume of the proposed Designated Biologist, with at least three references and contact information, to the feregy Commission compliance project manager (CPM) for approval. The Designated Biologist three the	submit to the CPM Quarterly Operation Reports, following the end reach cleandra quarter. 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Shall show the shall be provided to the shall be provided to the shall be provided to the shall be provide to anget the shall be provided to the shall be proved to activi	Image: COM/OPS CPM Quarterly Operation Reports - Project owner shall built be project owner shall submit to Quarterly Operation Reports - Topic towner shall submit to Quarterly Operation Reports - Topic towner shall submit Reports - Repor	Image: construction sectors - Project owner shall The project owner shall subting to Quarter (y Operation Reports - Project owner shall subting to Quarter (y Operation Reports - Project owner shall subting the cOPM Load ready Operation Reports - Project owner shall subting the construct candware and emissions information as necessary to demonstrate calendar quarter (that induces and emissions information as necessary to demonstrate calendar quarter (that induces with the Conditions of Certification herein information as necessary to demonstrate compliance with the Conditions of Certification herein information as necessary to demonstrate compliance with the Conditions of Certification herein. 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E	Stanto	n Fnerg	v Reliah	ility Center Compliance Matrix (16	-AFC-01)		0			,	N	Pre- Construction	r	y y	n	3		0
2	All Phas	0	, nendu				l	6/30/2040				Construction						
3	AITTIGS											Commissioning						
4				Revised 4/30/2019		Based on Final S	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
86	BIO	BIO-1b	PC/CONS	Designated Biologist Selection - The project owner shall assign at least one Designated Biologist to the project. The project owner shall submit the resume of the proposed Designated Biologist, with at least three references and contact Information, to the Energy Commission compliance project manager (CPM) for approval. The Designated Biologist must meet the minimum qualifications (1) through (3) in this condition (BIO-1). See Decision for qualifications.	replaced, the specified information for the proposed replacement must be submitted to the CPM at least ten working days prior to the termination or release of the preceding Designated Biologist.	DB Resume	Notify CPM 10 working days in advance of replacing DB.	Conditional		Not Started							JACOBS	GAL
87	BIO	BIO-2a	CONS	Designated Biologist Duties - The project owner shall ensure that the Designated Biologist performs the following during any site (or related facilities) mobilization, ground disturbance, grading, construction operation, closure, or restoration activities. The Designated Biologist may be assisted by the approved Biological Monitor(s) but remains the context for the project owner and CPM. The Designated Biologist during shall include the following: [See Decision for Items 1- 10]	report to the CPM copies of all written , reports and summaries that document construction activities that have the potential to affect biological resources.	Reports and summaries in the MCR and Annual Compliance Report.	Monthly/Annually	Monthly		In Progress							SERC	GAL
88	BIO	BIO-2b	OPS	Designated Biologist Duties - The project owner shall ensure that the Designated Biologist performs the following during any site (or nelated facilities) mobilization, ground disturbance, granding, construction operation, dosure, or restoration activities. The Designated Biologist may be assisted by the approved Biological Montor(s) but remains the contact for the project owner and CPM. The Designated Biologist dubies shall include the following: (See Decision for items 1- 10)	report to the CPM copies of all written reports and summaries that document construction activities that have the potential to affect biological resources.		Monthly/Annually	Monthly		In Progress							SERC	GAL
80	BIO	BIO-3a	PC	Biological Monitor Selection - The project owner's Designated Biologis shal submit the resurnes, at least references and contact information, of the proposed Biological Monitors to the CPM for approval.	Submit the specified information to the CPM for approval no less than 30 days prior to the start of any pre-construction site mobilization. The Designated Biologist shall submit a written statement to the CPM confirming that the individual Biological Monitor(s) have been trained including the date when training was completed.	BM's Quals	At least 30 days prior to the start of pre- construction site mobilization.	1/5/2019	11/1/2018	Completed	11/14/2018						JACOBS	GAL
_ 90	BIO	BIO-3b	CONS/COM OPS	Biological Monitor Selection . The project owner's Designated Biologist shall submit the resumes, at least i references and contact information of the proposed Biological Monitors to the CPM for approval.		needed during construction	Approval from CPM at least 10 days prior to their first day of monitoring activities.	Conditional	4/9/2019	In Progress	4/18/2019						JACOBS	GAL
91	BIO	BIO-4a	CONS/COM OPS	I besignated Biologist and Biologist Monitor Authority The project owner's construction/poreation manager shall act on the advice of the Designated Biologist and Biological Monitor(51 to ensure conformance with the biological resources conditions of certification. If required by the Designated Biologist and/or Biological Monitor(5) the project owner's construction/operation manager shall hall site mohilication, ground disturbance, grading, construction, and operation activities in anses specified by the Designated Biologist. The Designated Biologist shall (paraphrase)have the authority to stop construction and notify the CPM of the work stoppage.	the CPM of any non-compliance or halt of construction.	BM Notify CPM	Morning following the incident (or Monday morning in case of a weekend)	Conditional		Not Started							JACOBS	GAL

	A	В	C	D	E	F	G	н	1	J	K	0	Р	Q	R	S	T	U
1	Stanto	n Energ	gy Reliat	ility Center Compliance Matrix (16-	-AFC-01)							Pre- Construction						
2	All Phas	es						6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	itaff 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	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
92	BIO	BIO-4b	CONS/CON OPS	/ besignated Biologist an dislogical Monitor Authority- The project owner's construction/operation manager shall act on the advice of the Designated Biologist and Biological Monitor(5) to ensure conformance with the biological resources conditions of certification. If required by the Designated Biologist and/or Biologist Monitor(5) the project owner's construction/goeration manager shall half all site mobilization.ground disturbance, grading, construction, and operation activities in areas specified by the Designated Biologist. The Designated Biologist shalf (apart)mice)have the authority to stop construction and notify the CPM of the work stoppage.	Ensure that the DB or BM northy the CPM of any non-compliance or halt of construction.		Morning following the incident (or Monday morning in case of a weekend)	Conditional		Not Started							SERC	GAL
93	BIO	BIO-5a	PC	Worker Environmental Awareness Program, Biological Resources. The project owner shall develop and implement a project specific Worker Environmental Awareness Program (WEAP) and shall secure approval for the WEAP from the CPM in consultation with USFWS and CDW. The WEAP shall be administered to all onsite personnel including surveyors, construction engineers, employees, contractors, contractor's employees, supervisors, inspectors, subcontractors, and delavery personnel. The WEAP shall be implemented during site mobilization, operation, and closure.	start of any pre-construction site mobilization, the project owner shall provide to the CPM the proposed WEAP and all supporting written materials and electronic	Draft WEAP	At least 45 days prior to the start of pre- construction site mobilization	11/18/2018	10/18/2018	Completed	12/13/2018						JACOBS	GAL
94	BIO	BIO-5b	PC	Final WEAP - See BIO-5a	At least 10 days prior to site and related facilities mobilization, the project owner shall submit two copies of the CPM-approved materials.	Final WEAP	At least 10 days prior to start of site mobilization	12/18/2018	1/10/2019	Completed	1/23/2019						JACOBS	GAL
95	BIO	BIO-5c	CONS/OPS	WEAP Training Acknowledgement Forms on File - See BIO-Sa	Workers sign training acknowledgement forms and receive a hardhat sticker indicating they have received training. Training acknowledgement forms to be kept on file for six months after commercial operation and made available to the CPM on request.	Training acknowledgement forms and issue hard hat stickers	Kept on file for six months after commercial operation begins	11/12/2020		In Progress							ARB	GAL
95	BIO	BIO-5d	CONS/OPS	WEAP Training Acknowledgement Forms on File - See BIO-Sa	acknowledgement forms and receive a hardhat sticker indicating they have received training. Training acknowledgement forms	Provide monthly compliance report of number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date	Monthly	Monthly		In Progress							ARB	GAL
	BIO	BIO-5e	CONS/CON OPS	/ WEAP Training Acknowledgement Forms on File - See BIO-Sa	receive a hardhat sticker indicating	Provide annual WEAP training to permanent	Annually for permanent employees, training within 1 week for new employees	Conditional									SERC	DSR
8	BIO	BIO-6a	PC	Blobgical Resources Mitigation Implementation and Management Pin(RRMMP). The project owner shall develop a BRMMP and submit two copies of the proposed BRMMP to the UPM (for review and approval) and to CDPW and USPWS (for review and accomment), if applicable, and shall implement the measures identified in the approved BRMMP. The BRMMP shall be prepared in consultation with the Designated Biologist and shall identify tiems (1) through (14) (See Decision for the listed items).	Provide the draft BRMIMP to the CPM at least 5d says prior to start of any pre-construction mobilization.	Draft BRMIMP	At least 45 days prior to the start of pre- construction mobilization	12/21/2018	10/19/2018	Completed	12/13/2018						JACOBS	GAL
99	BIO	BIO-6b	PC/CONS/0 PS	Additional Permits (BRMIMP) - See BIO-6a If additional permits are received after the BRMIMP is first submitted, provide these to the CPM and submit a revised BRMIMP.	Submit permits not received before the draft BRMIMP is submitted to the CPM. Revised and re-submit the BRMIMP to include discussion of such permits.	Revised BRMIMP	Submit copies to CPM with 5 days of receipt. Provide revised BRMIMP within 10 days of permit receipt	Conditional									JACOBS	GAL

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			y Reliab	ility Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2	All Phase	es					1	6/30/2040				Construction Commissioning						
4				Revised 4/30/2019		Based on Final S	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
100	BIO	BIO-6c	PC/CONS	Modifying the BRMIMP. The project owner shall notify the CPM noises than 5 working days before implementing any modifications to the approved BRMIMP to obtain CPM approval.	Any changes to the approved BRMIMP must also be approved by the CPM in consultation with appropriate agencies to ensure no conflicts exist.	approved BRMMP	Notify CPM no less than 5 working days before implementing the modificaitons	Conditional		Not Started							SERC	GAL
101	BIO	BIO-6d	CONS	BRMIMP Monthy Compliance Report - See BIO-6a. Implementation of BRMIMP measures shall be reported in the monthly compliance reports by the Designated Biologist (i.e., survey results, construction activities that were monitored, species observed).	Document compliance in MCR	MCR	Monthly	Monthly		In Progress							SERC	GAL
102	BIO	BIO-6e	CONS	BRMMP Construction Closure Report - See BIO-Ga. Provide a writen Construction Closure Report identifying which items of the BRMIMP have been completed, a summary of all modifications to the mitigation measure made during the project's site mobilization, and ground disturbance, grading, and construction phases, and which mitigation and monitoring items are still outstanding.	Submit Construction Closure Report to CPM	Construction Closure Report	Within 30 days of construction completion	5/8/2020		Not Started							JACOBS	GAL
103	BIO	BIO-7a	CONS		All mitigation measures and their implementation methods shall be included in the BRMIMP.		Monthly	Monthly		In Progress							SERC	GAL
104	BIO	BIO-7b	CONS	General Impact Avoldance and Mitigation Messures - Implement the following measures during mobilization and construction to avoid and minimize impacts to biological resources: [See Decision for 12 specific measures].	All mitigation measures and their implementation methods shall be included in the BRMIMP.	Construction Closure Report (See BIO-6c)	Within 30 days of the completion of construction (CCR), implementation of measures ongoing during construction.	5/8/2020		Not Started							JACOBS	GAL
105	BIO	BIO-8a1	PC/CONS	and Minimization Measures for Breeding Birds - Field Notes - Pre-construction nest surveys shall be conducted if construction work will occur from February 15 through August 31 The term "work" shall be defined	USFWS at least 2 weeks prior to initiating surveys; notification shall include the name and resume of	Provide Tield notes to CPM and CPV within 24 hours of survey.		2/1/2019 or 2/4/2019 5/8/2019 5/22/2019 for Gas Line: 7/31/19	1/22/2019 2/4/2019 7/3/2019 7/3/2019 7/3/2019 7/9/2019 8/7/2019 8/7/2019	In Progress	7/3/2019 7/11/2019 8/23/2019			CDFW, USFWS	1/22/2019		JACOBS	GAL
105	BIO	BIO-8a2	CONS	Pre-Construction Nest Surveys and Impact Avoidance and Minimitation Measures for Breeding Birds - Field Notes - Pre-construction nest surveys shall be conducted if construction work will occur from February 15 through August 31 The term "void" shall be defined as all site assessment, pre-construction activities, site mobilization, and ground disturiling construction activities. The Designated Biologist or Biological Monitor shall perform surveys in accordance with the following to able site surveys in accordance with the following to the following to able summary). These include survey within SOD feet of the project boundary. Two pre- construction surveys, separated by a Joday internal. Conduct surveys no more than 14 days before construction start. Establish buffer zones for active nests. Inform the CPM of nest finds.	the biologist(s) conducting the surveys and the timing of the surveys.	Provide field notes to CPM and CDFW within 24 hours of survey.	Provide field notes within 24 hours of survey	1/21/2019 21/1/2019 21/4/2019 21/1/2019 For Gas Line: 8/19/19	1/22/2019 2/1/2019 5/7/19	Completed				CDFW, USFWS			JACOBS	GAL
106	BIO	BIO-8b	CONS	Preconstruction Nest Survey Letter Report - (See Decision BIO-8a for specific guideline items)	Letter-report to CPM, CDFW, and USFWS describing the findings of the preconstruction nest surveys	Letter report of preconstruction survey findings	Prior to the start of pre-construction mobilization	1/22/2019, 2/2/2019, 2/5/2019 (optional) 2/12/2019 For Gas Line: 8/19/2019	1/28/2019 2/8/2019 2/27/2019 8/16/19	In Progress				CDFW, USFWS	Gas Line: 5/7/19		JACOBS	GAL

	A	В		C	D	E	F	G	н	1	J	K	0	Р	Q	R	s	T	U
1	Stanto	n Ener	gy Re	liabili	ity Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
	All Phas	es					1		6/30/2040				Construction						
3			_		Revised 4/30/2019		Based on Final	Staff Assessment					Commissioning						
4					Revised 4/30/2019		Dased on Fillar	Starr Assessment					Operations						
5	Technical Resource	Cond. #		ase	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	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
108	BIO	BIO-8c	cc	DNS I E	mplementation of Nest Surveys and Inclusion in SRMIMP - (See Decision BIO-8a for specific guideline tems)	All impact avoidance and minimization measures related to nesting birds shall be included in the BRMIMP and implemented.	Revised BRMIMP (BIO- 6)	After pre- construction nesting surveys	Ongoing For Gas Line 9/5/19	N/A	Not Started	N/A						JACOBS	GAL
108	BIO	BIO-8d	cc	(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.		Monthly	Monthly		In Progress							JACOBS	GAL
110	BIO	BIO-9a	cc	E t E r C s	ack and Bore Drilling Best Management Practices - Jouring construction using Jack and bore drilling exchniques the Designated Biologist or Biological dworktor must be present at all times. The Designated biologist or Biological Monitor must be allowed to monitor all activities pertaining to drilling under Carbon noticar all activities pertaining to drilling under Carbon incek Channel and the Anaheim-Barber Channel, and halb egiven autoritory to do the following, including uut 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		Not Started							SERC	GAL
111	BIO	BIO-9b		E t F r C S E	set and Bore Drilling Bert Management Postice - buring construction using lack and bore drilling echniques 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 monitor all activities pertaining to drilling under Carbon Teek Channel and the Anahem-Barber Channel, and halb te given authority to do the following, including ust 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	following morning of the incident or Monday morning in case of a weekend	Conditional		Not Started							SERC	GAL
	CIVIL	CIVIL-1a	PC/0	t F S C t f	Variange Structure Design and Grading Plan - Submit to he CB0 for review and approxit the design of the he CB0 for review and the grading plan; an roposed drainage structures and the grading plan; an crositon and sedimentation control plan; a construction torm water pollution prevention plan; related alculutions and specifications, signed and stamped by he responsible civil engineer; and soils, geotechnical, or oundation investigations reports required by the 2016 _BC.	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	Proposed drainage structures and grading plan	At least 15 days prior to the start of site grading	12/18/2018				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 1-1.3 1/17/2019 PC1	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 PC3 1-1.3 6/14/19 PC3 1.4 2/8/19 PC2				SERC	TAT
112	CIVIL	CIVIL-1b	, F	PC E	rosion and Sedimentation Control Plan - See CIVIL-1a	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	Erosion and Sedimentation Control Plan	At least 15 days prior to the start of site grading			Completed		1-1.3 2/6/19 PC2 1.1: 1/17/2019 1.2: 1/18/19	1-1.4 6/14/19 PC3 1.1: 2/8/19 (conditional) 1.2: 2/8/19				SERC	TAT
113	CIVIL	CIVIL-1c	: F		Construction Stormwater Pollution Prevention Plan - ee CIVIL-1a	review and approval. 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
115	CIVIL	CIVIL-1d		E	kelated Calculations and Specs Stamped by Civil ngineer - 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.	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
116	CIVIL	CIVIL-1e		1	iolis, Geotechnical, or Foundation Reports - See CIVIL- a	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					SERC	TAT
117	CIVIL	CIVIL-1f	F	PC A	Approval of all CIVIL 1a Submittals Noted in MCR - See IVIL-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		Completed		3/13/19 4/11/19					SERC	GAL
118	CIVIL	CIVIL-2a		e s f a s c l t t	kdverse Soil/Geologic Conditions - The resident rigneer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible oils engineer, geotechnical engineer, or the civil rigneer experienced and knowledgesable in the experised or geologic conditions. The project owner hall submit modified plans, specifications, and aculuations to the CBO based on these new conditions. The project ownershall obtain approval from the CBO efforce resuming earthwork and construction in the effected area.	The project owner shall submit modified plans, specifications, and calculations to the CBD based on these new conditions.	Submit modified plans, specifications, and calculations to CBO	when unforseen adverse soil or geologic conditions are identified by RE	Conditional				Conditional					SERC	GAL

	A	В	С	D	E	F	G	н	1	J	K	0	р	Q	R S	T	U
1	Stanto	n Energ	gy Reliat	oility Center Compliance Matrix (16	-AFC-01)							Pre- Construction					
2	All Phase	es						6/30/2040				Construction					
3				Revised 4/30/2019		Based on Final	Staff Assessment					Commissioning					-
-4				NEWISEU 4/ 50/ 2015								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		Date Approv bubmitted by Other er agencies Agencies	Responsible Party	SERC Project Manager
	CIVIL	CIVIL-2b	CONS	Adverse Soli/Geologic Conditions - The resident engineer shall, "appropriate, stog all earthwork and Construction in the affected areas when the responsible solit engineer, geotechnical engineer, or the civil engineer experienced and knowledgeable in the practice of solis 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 notify the CPM within 24 Aours when earthwork and construction is stopped as a result of unforeseen adverse geologic/soil conditions.	Notify CPM of a work stoppage	Notify within 24 hours	Conditional		Not Started		Conditional				SERC	GAL
119	CIVIL	CIVIL-2c	CONS	Adverse Soil/Geologic Conditions - The resident	Within 24 hours of the CBO's	Copy of CBO's	Within 24 hours of	Conditional		Not Started						SERC	GAL
120				engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible soils engineer, gerotechnical 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.	approval to resume earthwork and	approval letter to CPM	the CBO's approval to resume work										
121	CIVIL	CIVIL-3a	CONS	Inspections and Divergancy Reporting. The project owner shall perform inspections in accordance with the 2016 CGC. 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 redient 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.	engineer shall transmit to the CBO	conformance report to CBO and proposed corrective action	Non-conformance report within 5 days of the discovery of any discrepancies	Conditional				conditional				SERC	TLB/TAT
122	CIVIL	CIVIL-3b	CONS	Inspections and Discrepancy Reporting - The project owner shall perform inspections in accordance with the 2013 CEC. All perform inspections is accordance with the profing permit is required, shall be subject to inspection by the cector. If the work is not between the inspection by the cector of the work is not between the inspection of the base of the subject to inspection is address and the work is not between the inspection within report immediately to the resident regimeer, the CEO, and the CPM. The project owner shall prepare a written report, with copies to the CEO and the CPM, detailing all discrepancies, non-compliance items, and the proposed corrective action.	engineer shall transmit to the CPM	conformance report to CPM and proposed	Non-conformance report within 5 days of the discovery of any discrepancies	Conditional		Not Started						SERC	TLB/TAT
122	CIVIL	CIVIL-3c	CONS	Inspections and Discrepancy Reporting - The project owner shall perform inspections in accordance with the 2015 CBC. All parts Heig-parking operations, for which a grading permit is required, shall be subject to inspection by the CBD. (It has 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 CBD, and the CMD. The project owner shall prepare a written report, with copies to the CBD and the CPM, detailing all discrepancies, non-compliance items, and the proposed corrective action.	the NCR, the project owner shall submit the details of the corrective	Project owner shal submit details of corrective action to CBO	within 5 days of resolution of non- compliance report	Conditional				conditional				SERC	TLB/TAT
124	CIVIL	CIVIL-3d	CONS	Inspections and Discrepancy Reporting - The project owner shall perform inspections in accordance with the 2016 CBC. All parts the grading operations, for which a grading permit is required, shall be subject to inspection by the CBO. If, 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.	the NCR, the project owner shall submit the details of the corrective	Project owner shal submit details of corrective action to CBO	within 5 days of resolution of non- compliance report	Conditional		Not Started		conditional				SERC	TLB/TAT

	A	В	с	D	E	F	G	н	I	J	К	0	Р	Q	R	S	T	U
1	Stanto	n Energ	y Reliab	ility Center Compliance Matrix (16-	-AFC-01)							Pre- Construction						1
2	All Phase	es				n		6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	Staff Assessment					Commissioning						I
4				Revised 4/30/2015		buscu on rindra						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
125	CIVIL	CIVIL-3e	CONS		month shall also be included in the following monthly compliance	MCR	Monthly	Monthly		In Progress							SERC	TLB
126	CIVIL	CIVIL-4a		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.	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
127		CIVIL-4b	CONS	finished grading and erosion and sedimentation control and drainage work, the project owner shall obtain the EOS's approval of the final grading pulsa (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.	submit copy of CBO's approval to CPM in next monthly compliance report	Upon CBO approval in next monthly compliance report	Monthly	9/14/2018	Completed	10/19/2018						SERC	GAL
128	СОМ	COM-1		Unrestricted Access - The project owner shall take all steps necessary to ensure that the CPM, neponsible Energy Commission staff, and delegate agencies or consultants, have unrestricted access to the facility ste- 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.	schedule site visits on dates and times agreeable to the project	NA	Life of the project	Conditional		in Progress							SERC	TLB
129	СОМ	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, Is 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 wild 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 requirements of section 1769. Section 1769 details the required onthers for a Petition to Amend an Energy Commission Decision. The only change that can be requeeted by means of a letter to the CPM is a request to change the verification method of a condition of certification.	Energy Commission's website at http://www.energy.ca.gov/siting/fi	Petition to amend, fees	Life of the project	Conditional	PTA#1-Additional Laydown Area - S/22/2019 PTAUS SCGAïcas Additional Laydown Area - 8/19/2019	In Progress	6/21/2019						SERC	PZC
130	СОМ	COM-11		mile of the project, notifying them of a telephone number to contact project representatives with questions, complaints or concerns. If the telephone is	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
131	СОМ	COM-12a	PC/CONS	Energency Response Site Contingency Han - No less than 60 days prior to the start of construction (or other CMA-approved) date, the project to winer shall submit, for CMM review and papproval, as Energency Response Sate Contingency Han. 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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1	Stanto	n Energ	gy Reli	ability Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2	All Phase	es				T		6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	Staff Assessment					Commissioning Operations						
.4				Revised 4/ 50/ 2015								operations						
5	lechnical Resource	Cond. #	Phas		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
	сом	COM-12b	COM/	DFS Emergency Response Site Contingency Plan - Subsequently, no less than 60 days prior to the start of commercial operation, the project owner shall update (as necessary) and resubinit the Contingency Plan For CPM review and approval. 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	Updated Emergency Response Site Contingency Plan	60 prior to COD	1/17/2020		Not Started							SERC	DSR
132	СОМ	COM-13a	CONS/C	DM Incident-Reporting Requirements - The project owner shall notify the CPM within one hour after it is safe and feasible, of any incident at the facility that results in (See Decision COM-13 for incident types that apply).	hazmat release; odorous material	Detailed Incident Report	Within 6 business days of the incident	Conditional		Not Started							SERC	GAL
133	сом	COM-13b	CONS/C	DM Incident-Reporting Requirements - The project owner shall notify the CPM within one hour after it is safe and feasible, of any incident at the facility that results in [See Decision COM-13 for incident types that apply].	project owner shall start submitting monthly staturs reports, within 48-hours of a request by the CPM, the project owner shall submit a status report. Status reports shall include the activities already taken, and those currently being taken, to remedy the impacts of the incident. The CPM	monthly status reports	monthly after incident	Conditional		Not Started							SERC	GAL
134	СОМ	COM-14	OPS	Non-Operation and Repair/Restoration Plan-No later than two weeks prior to a facility's planned non- operation, or no later than one week after the start of unplanned non-operation, the project owner shall not the CPM, interstetad agencies, and nearby property owners of this status. During non-operation, the projec owner shall provide written updates to the CPM.	will determine when renorting is		No later than two weeks prior to facility's planed non- operation.	6/16/2040		Not Started							SERC	DSR
20	СОМ	COM-15	OPS	Facility Closure Planning -No less than one year prior to closing, or upon an order compelling permanent closure, the owner shall submit a Final Closure Plan and Cost Estimate.			No less than one year prior to closing, or upon an order compelling permanent closure.	7/1/2039									SERC	DSR
37	СОМ	COM-2	PC/COM OM/C	Compliance Record - The project owner shall maintain electronic copies of all project files and submittais on- site, or at an alternative site approved by the CPM, for the operational life and closure of the project.	Energy Commission staff and delegate agencies shall, upon request to the project owner, be given unrestricted access to the files maintained pursuant to this condition. Files include Final Decision; Petitions, Amendments	NA	Life of the project	Ongoing		In Progress							SERC	TLB
	СОМ	COM-3	PC/COT OM/C	5/C Compliance Verification Submittals - Verification lead times associated with the start of construction may require the project owner to file submittals during AFC or amendment processing, particularly if construction is planned to commence shortly after certification. The verification procedures, unlike the conditions, may be modified as necessary by the CPM after notice to the project owner.	A cover letter from the project owner or an authorized agent is required for all compliance	Verification submittals	Ufe of the project	Ongoing		In Progress							SERC	GAL

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			ergy	Reliabi	lity Center Compliance Matrix (16-	AFC-01)							Pre- Construction						
2	All Phase	es							6/30/2040				Construction						
3					Revised 4/30/2019		Based on Final S	taff Assessment					Commissioning						-
4					Revised 4/30/2019		buscu on rindra						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 Project Manager
	COM	COM-4	-4a	PC	Pre-Construction Matrix and Tasks Prior to Start of Construction. Prior to construction, the project owner	Site mobilization and construction activities shall not start until the	Pre-construction matrix and pre-	Before site mobilization	10/19/2018	9/14/2018	Completed	10/19/2018	(Ref Only)					SERC	GAL
					Construction 7 into 10 construction, in project owner shall submit to the CPM a compliance matrix including only those conditions that must be fulfilled before the start of construction. The matrix shall be included with the project owner's first compliance submittal or prior to the first pre-ostruction meeting, whichever comes first, and shall be submitted in a format similar to the description below (See Decision COM-4 for specifications).	activities some index search the following have occurred: 1. the project owner has submitted the pre-construction matrix and all compliance verifications pre-construction conditions of construction conditions of certification;	neurs and pre- construction verifications	monication											
139	СОМ	COM-4	4b	PC	Pre-Construction Matrix and Tasks Prior to Start of Construction. Prior to construction, the project owner	Site mobilization and construction activities shall not start until the following have occurred:	Pre-construction matrix and pre- construction	Before site mobilization	12/31/2018	9/14/2018	Completed	10/19/2018	(Ref Only)					SERC	GAL
140					shall submit to the CPM a compliance matrix including only those conditions that must be infulled before the start of construction. The matrix shall be included with the project owner's first compliance submittal or prior to the first pre-construction meeting, whichever comes first, and shall be submitted in a format similar to the description	2. the CPM has issued an authorization-to-construct letter to the project owner.	verifications												
	сом	COM-5	5a P	PC/CONS/O PS	Compliance Matrix - The project owner shall submit a compliance matrix to the CPM with each MCR and ACR.	The compliance matrix shall identify the technical area; Condition number; description of the required action or submittal; date required; expected or actual submittal date; compliance status; updated condition language, if	Compliance Matrix with MCR	Monthly with MCR and annually with ACR	Monthly		In Progress		(Ref Only)					SERC	GAL
141	COM	COM-5	5b P	c/cons/o	Compliance Matrix - The project owner shall submit a	amended, and date amended.	Compliance Matrix	Annual Compliance	12/31/2020		Not Started		(Ref Only)					SERC	GAL
142				PS	compliance matrix to the CPM with each MCR and ACR.	identify the technical area; Condition number; description of the required action or submittal; date required; expected or actual submittal date; compliance status; updated condition language, if amended, and date amended.	with ACR	Report											
143	СОМ	COM-	-6	PC/CONS	Monthly Compliance Report - The first MCR is due one month following the docketing of the project's Decision unless otherwise agreed to by the CPM. (See Decision COM-6 for specifications).	During pre-construction, construction, or closure, the project owner or authorized agent shall submit an electronic searchable version of the MCR to the CPM. MCRs shall be submitted each month until construction is complete and the final certificate of occupancy is issued by the DCBO.	MCR	Monthly, within 10 business days after the end of each reporting month.	Monthly	3/13/19 4/12/19 5/14/19 6/14/19 7/16/19 8/20/19	In Progress		5/15/19 5/15/19 5/15/19 6/17/19 7/17/19 8/14/19					SERC	GAL
.144	СОМ	COM-		OPS	Annual Compliance Report - After construction is complete, the project must submit searchable electronic ACRs to the CPM, as well as other periodic compliance reports (PCRs) required by the various technical disciplines. ACRs shall be completed for each year of commercial operation and read edue each year on a date agreed to by the CPM. Other PCRs (e.g. quarterly reports or	After construction is complete, submit annual compliance reports (ACR) and periodic compliance reports (PCR)	Submit searchable electronic ACR to CPM, submit PCRs required by the various technical diciplines	Annual Compliance Report	Annually		Not started							SERC	DSR
145	COM	COM-			Confidential Information - Any information that the project owner designates as confidential shall be submitted to the Energy Commission's Executive Director with an application for confidentiality, pursuant to Title 20, California Code of Regulations, section 2505(a).	Any information deemed confidential pursuant to the regulations will remain undisclosed, as provided in Title 20, California Code of Regulations, section 2501 et seq.	Request for confidentiality	Life of the project	Ongoing		In Progress							SERC	SAG
	COM	COM-		PC/CONS/C OM/OPS	Annual Energy Facility Compliance Fee - Pursuant to the provisions of section 2580(b) of the Public Resources Code, the project owner is required to pay an annually adjusted compliance fee.	date the Energy Commission dockets its Final Decision. All	Annual Compliance Fee due 7/1 annually: See http://www.energy.ca. gov/siting/filing_fees.h tml	6/1/2020	Ongoing	11/8/2018 6/6/2019	In Progress	11/9/2018						SERC	GAL

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1 5	Stanto	n Energy	/ Reliab	ility Center Compliance Matrix (16	-AFC-01)							Pre- Construction						1
2 A	All Phase	s						6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	taff Assessment					Commissioning						I
	Fechnical 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	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
147	CUL	CUL-1a	PC	Cultural Resources Specialist, Monitors, and Technical Specialist - The project owner shall assign a Cultural Resources Specialist (CRS) and at least one Alternate CRS to the project. The project owner shall submit the resumes of the proposed CRS and Alternative (CRS), with at least three references and contact information, to the Energy Compliance Project Manager (CPM) for review and approval. [See Detaion for CRS	At least 75 days prior to the start of ground disturbance, site preparation, or post-certification cultural resources activities.	CRS & Alternates Resume	At least 75 days prior to the start of ground disturbance, site preparation, or post- certification cultural resources activities.	10/19/2018	9/27/2018 3/6/2019 8/12/19	Completed	10/18/2018 3/11/2019 8/12/19						JACOBS	GAL
148	CUL	CUL-1a	PC	Cultural Resources Specialist, Monitors, and Technical Specialist - The project owner shall assign a Cultural Resources Specialist (CRS) and a test one Alternate CRS to the project. The project owner shall submit the resumes of the proposed CRS and Alternative (CRS), with at least three references and contact information, to the Energy Commission Compliance Project Manager (CPM) for review and approval. (See Decision for CRS)	At least 75 days prior to the start of ground disturbance, site preparation, or post-certification cultural resources activities.	CRS & Alternates Resume	At least 75 days prior to the start of ground disturbance, site preparation, or post- certification cultural resources activities.	10/19/2018	9/27/2018 3/6/2019 6/14/19 7/12/19 8/12/19	Completed	10/18/2018 3/11/2019 8/12/19						JACOBS	GAL
149	CUL	CUL-1b	CONS	Replacement CRS - See CUL-1a (CUL-1 Section D.2)	The project owner may replace a CRS. In an emergency, the project owner shall immediately notify the CPM to discuss the qualifications and approval of a short-term replacement while a permanent CRS is proposed to the CPM for consideration.	and contact information of CRS	At least 10 days working days before termination or release of the CRS	Conditional		Not Started							JACOBS	GAL
150	CUL	CUL-1b	CONS	Replacement CRS - See CUL-1a (CUL-1 Section D.2)	The project owner may replace a CRS. In an emergency, the project owner shall immediately notify the CPM to discuss the qualifications and approval of a short-term replacement while a permanent CRS is proposed to the CPM for consideration.		At least 10 days working days before termination or release of the CRS	Conditional		Not Started							JACOBS	GAL
151	CUL	CUL-1c	PC	Cultural Resources Monitors and Specialists - See Cul- 1a (CUL-1 Section D.3)	The CRS shall provide proof of qualifications for any anticipated CRMs, NAMs, and additional specialists for the project to the CPM.	Qualifications of CRMs and additional specialists	At least 20 days prior to ground disturbance	12/13/2018	11/16/2018 6/20/2019	In Progress	12/3/2018 7/18/2019						JACOBS	GAL
152	CUL	CUL-1c	PC	Cultural Resources Monitors and Specialists - See Cui- La (CUI-1 Section D.3)	The CRS shall provide proof of qualifications for any anticipated CRMs, NAMs, and additional specialists for the project to the CPM.	Qualifications of CRMs and additional specialists	At least 20 days prior to ground disturbance	12/13/2018	11/16/2018 12/7/18 2/24/19 6/20/2019 7/12/19 8/26/19	Completed	12/3/2018 4/29/19 7/18/2019						JACOBS	GAL
153	CUL	CUL-1d	PC	Native American Monitors - See Cul-1a (CUL-1 Section D.4)	the project owner shall inform the CPM.	CPM documenting efforts to obtain services of a qualified NAM	At least 30 days prior to the beginning of post-certification cultural resources field work or construction-related ground disturbance	12/3/2018	11/16/2018	Completed	12/3/2018						JACOBS	GAL
154	CUL	CUL-1d	PC	Native American Monitors - See Cui-1a (CUI-1 Section D.4)	If efforts to obtain the services of a qualified NAM are unsuccessful, the project owner shall inform the CPM.	CPM documenting	At least 30 days prior to the beginning of post-certification cultural resources field work or construction-related ground disturbance	12/3/2018	11/16/2018	Completed	12/3/2018						JACOBS	GAL
155	CUL	CUL-1e		Additional Cultural Resources and Native American monitors - See Cul-1a (CUL-1 Section D.5)	The owner may submit qualifications for additional CRMS or NAMs as needed.	and approval	At least 5 days prior to the CRMs or NAMS beginning on-site duties	Conditional		In Progress							JACOBS	GAL
156	CUL	CUL-1f	PC/CONS	Additional Cultural Resources Specialists - See Cul-1a (CUL-1 Section D.5)	The owner may submit qualifications for cultural resources specialists.	Submit qualifications to the CPM for review and approval	At least 5 days prior to the specialists beginning on-site duties	Conditional	3/6/2019 4/26/2019 8/12/2019	in Progress	3/11/2019 4/29/2019 8/22/2019						JACOBS	GAL

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1	Stanto	n Energ	gy Relia	bility Center Compliance Matrix (16	-AFC-01)							Pre-Construction						
2	All Phas	es						6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	taff Assessment					Commissioning						
4				Revised 4/50/2019		buscu on rindra						Operations						
5	Technical Resource	Cond. #	Phase	Description New technical specialist - See Cul-1a - (CUL-1 Section	Verification/Action/Submittal	Submittal	Date Submittal is Required At least 10 days prior	Due Date	Date Submitted to CPM	Compliance Status for CPM (Not started, in progress, completed (with date)) Not Started	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 JACOBS	SERC Project Manager GAL
157		C01-1g	PL.	verw technical specialist - see Cur-La - (CUr-L section)	Owner must submit resumely of any technical specialist to CPM for review and approval		to technical specialist beginning task	Conditional		NG Stated							JACOBS	GAL
158	CUL	CUL-1h	PC		Owner must confirm in writing that the approved CRS will be available for onsite work and will implement the cultural resources conditions.	Submit letter confirming the availability of the CRS.	At least 10 days before the start of construction related ground disturbance	12/23/2018	1/8/2019	Completed	1/8/2019						JACOBS	GAL
159	CUL	CUL-1i	PC	(CPM Approval of CRS and Alternatives - See Cul-1a - (CUL-1 Section D.8)	No ground disturbance shall occur prior to CPM approval of CBS and alternatives unless such activites are approved by the CPM	from CPM	No ground disturbance shall occur without approval	Conditional									JACOBS	GAL
160	CUL	CUL-1j	CONS	the CPM See Cul-1a - (CUL-1 Section A.1.2)	fulfilled all responsibilities specified in these cultural resources conditions, the project owner may discharge the CRS, after receiving approval from the CPM.	the CPM to discharge the CRS	After all ground disturbances are completed and the CRS has fulfilled all responsibilities specified in these cultural resources conditions	5/1/2020		Not Started							JACOBS	GAL
161	CUL	CUL-2a	PC	Construction Maps and Drawings - Prior to the start of construction-related ground disturbance, the start of each phase, and weekly, provide the CRS with the materials described in this condition (See Decision CUI 2). No construction-related ground disturbance shall occur prior to CP Mapproval of maps and drawings, unless such activities are specifically approved by the CPM.	At least 40 days prior to the start of construction-related ground disturbance, provide the AFC, data responses, confidential cultural resources documents, and the Energy Commission FSA to the CRS, if needed, and the subject maps and drawings to the CRS and CPA. The CPM will review submittash in consultation with the CRS and approve maps and drawings suitable for cultural resources planning activities.	Documents, maps and drawings	At least 40 days prior to the start of construction-related ground disturbance	11/23/2018	11/19/2018	Completed	12/3/2018						JACOBS	GAL
162	CUL	CUL-2b	PC/CON	Revised Maps and Drawings - Prior to the start of construction-related ground disturbance, the start of each phase, and week), provide the CS with the materials described in this condition (CUL-2). No construction-related ground disturbance shall occur prior to CPM approval of maps and drawings, unless such activities are specifically approved by the CPM.	At least 15 days prior to the start of construction-related ground disturbance, if there are changes to any construction-related footprint, provide revised maps and drawings for the changes to the CRS and CPM.	Updated maps and drawings	At least 15 days prior to start of construction-related ground disturbance	Conditional		In Progress							JACOBS	GAL
163	CUL	CUL-2c	CONS	Construction Phasing - Prior to the start of construction related ground disturbance, the start of each phase, and weakly, provide the CRS with the materials described in this condition (See Desclision (LL2)). Also construction- related ground disturbance shall occur prior to CPM approval of magain and drawings, numes such activities are specifically approved by the CPM.	d of each phase of a phased project,		At least 15 days prior to the start of a construction phase	Conditional		In Progress							JACOBS	GAL
164	CUL	CUL-2d	CONS	Construction Schedule - Prior to the start of construction-related ground disturbance, the start of each phase, and weekly, provide the CRS with the material described in this condition (See Decision CLI 2). No construction-related ground disturbance shall occur prior to CPM approval of mays and drawings, unless such activities are specifically approved by the CPM.	Provide a schedule of the next week's project activity to the CRS and CPM	Schedule of next week's activities by e- mail, letter, or fax	Weekly during ground disturbance	Weekly		In Progress							ARB	GAL

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	All Phase		1					6/30/2040				Construction					
3							Staff Assessment					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))	h Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO		Date Appro Submitted by Othe er agencies Agencie	Responsible	SERC Project Manager
100	CUL	CUL-2e	CONS	Revised Construction Schedule - Prior to the start of construction-related ground disturbance, the start of each phase, and weekly, provide the CS with the materials described in this condition (See Decision CUL- 2). No construction-related ground disturbance shall occur prior to CPM approval of maps and drawings, unless such activities are specifically approved by the CPM.	Within 5 days of changing the schedule of phases of a phased project, provide written notice of project changes to the CRS and CPM.	Description of changes in phased project	Within 5 days of changing the scheduling of phases	Conditional								ARB	GAL
166	CUL	CUL-2f	CONS	Replacement CBS - Priors to the start of construction- related ground disturbance, the start of each phase, and weekly, provide the CBS with the materials described in this condition (See Decklon CU-2). All occonstruction- related ground disturbance shall occur priors to CPM approval of mage and drawing, updies such activities are specifically approved by the CPM.	If a new CRS is appointed, provide maps and drawings (see CUI-2) to the new CRS.	Documents, maps and drawings	Within 10 days of the approval of the new CRS	Conditional								JACOBS	GAL
167	CUL	CUL-3a	PC	Cultural Resources Monitoring and Mitigation Plan (CMMMP) - Submit the Cultural Resources Monitoring and Mitigation Plan (CRMMP) as prepared by or under the direction of the CPS and as described in this condition (See Decision CUL-3), to the CPM for review and approval. Implementation of the CRMMP shall be the responsibility of the CR3 and the protect conver. No ground disturbance shall occur prior to CPM approval of the CRMMP, unless such activities are specifically approved by the CPM.	Upon approval of the CBS proposed by the project owner, the CPM will provide to the project owner an electronic scopy of the draft model CRMMP for the CBS. At least 30 days prior to the start of ground disturbance, submit the CRMMP to the CPM for review and approval.	Draft CRMMP	At least 30 days prior to the start of ground disturbance	12/3/2018	11/1/2018	Completed	12/3/2018					JACOBS	GAL
168	CUL	CUL-3b	PC	Agreement to Pay Curation Fees - See CUI-3a	At least 30 days prior to the start of ground disturbance, in a letter to the CPM, agree to pay curation fees for any materials generated or collected as a result of the archaeological investigations (survey, testing, data recovery).	agreement to pay curation fees	At least 30 days prior to the start of ground disturbance	12/3/2018	11/26/2018	Completed	12/18/2018					JACOBS	GAL
160	CUL	CUL-3c	CONS/COM/ OPS	Written Agreement with Curation Facility-If cultural materials requiring curation were generated or collected, the project owner shall provide to the CPM a copy of an agreement with, or other written commitment from, a curation facility that meets the standards stated in the State Historic Resources Commission's (SHRC) Guidelines for the Curation of Archaeological Collections (1993, or future updated guidelines from SHRC), to accept the curation of this project. Any agreements concerning curation will be retained and available for audit for the life of the project.	Provide a copy of a written agreement with a qualified curation facility.	Written agreement with curation facility	90 days after completion of ground disturbance (including landscaping)	4/1/2020		Not Started						JACOBS	GAL
170	CUL	CUL-4a	CONS/COM/ OPS	Final Cultural Resources Report - The project owner chall adult the final CRR to the CPM for approval. The final CRR shall be written by, or under the direction of, the CFS and shall be provided in the Archaeological Resource Management Report (AMR) format. The final CRR shall report on all field activities including dates, times and locations, results, sampling, and analyses. All survey reports, DPR 523 forms, data recovery reports, and any additional research reports not previously submitted to the California Historical Resources Information System (CHRIS) shall be included as appendices to the final CRR.	Submit the CRR to the CPM for review and approval.	Cultural Resource Report	Within 30 days of suspension of construction activities (suspended project)	Conditional		Not Started						JACOBS	GAL
171	CUL	CUL-4b	OPS	Final Cultural Resources Report - The project owner shall submit the final CRR to the CPM for approval. The final CRR shall be written by, or under the direction of, the CPS and shall be provided in the Archaeological Resource Management Report (AMRM) format. The final CRR shall report on all field activities including dates, times and locations, results, sampling, and analyses. All survey reports, DPR 523 forms, data recovery reports, andmy additure California teproto tab previously information System (CHRIS) shall be included as appendices to the final CRR.	Submit the CRR to the CPM for review and approval.	Cultural Resource Report	Within 90 days of the completion of ground disturbance (completed project)	8/21/2020		Not Started						JACOBS	GAL
172	CUL	CUL-4c	CONS/COM/ OPS	Documentation sent to CHRIS - See Cul-4a	Provide final CRR to the California Historical Resources Information System and curation institution (if artifacts curated) and tribes requesting copies.	Cultural Resource Report	Within 10 days after approval of CRR	Conditional		Not Started						JACOBS	GAL

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1	Stanto	n Energ	gy Reliat	oility Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2	All Phase	s				1		6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	taff 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
	CUL	CUL-5a	PC	Worker Environmental Awareness Program, cultural Resources. Prior to and for the duration of construction related ground disturbance, provide Worker Environmental Awareness Program (WCAP) training, as described in the condition (See Decision CLU-5) to all new workers with their first week of employment. No construction-related ground disturbance shall occur prior to implementation of the WCAP program, unless such activities are specifically approved by the CPM.	video, including graphics, and the informational brochure to the CPM for review and approval.	Draft WEAP	At least 30 days prior to the beginning of ground disturbance	12/3/2018	11/1/2018	Completed	12/3/2018						JACOBS	GAL
173	CUL	CUL-5b	PC	WEAP training/Training Acknowledgement Form -See Condition CUL-5a	This is provided by the CPM to the owner	Training Acknowledgement Form	At least 15 days before the beginning of ground disturbance	12/18/2018		Completed							ARB	GAL
174	CUL	CUL-5c	CONS/COM OPS	/ WEAP Training Records in MCR - See Condition CUL-Sa	Training Acknowledgement forms of the workers who have comleted	Training Acknowledgement forms for prior month in MCR and running total of all persons who have completed the training.	Monthly until ground disturbance is completed	Monthly	3/13/19 4/12/19 5/14/19 6/14/19 7/16/19 8/20/19	In Progress						<u></u>	SERC	GAL
176	CUL	CUL-6a	PC	Cultural Resources Monitoring, Letter to Native Americans - The project owner-hall ensure that a CRS, alternate CRS, or CRMs shall be on site for all ground disturbance in areas stated for excavation into non-fill (native) sediments. See Decidion for specifications on monitors and daily monitoring logs.	Notify all Native Americans on the Native American Heritage Commission's contact list of the date on which the project ground disturbance will begin.	Letter of notification	At least 30 days before the start of ground disturbance	12/3/2018		Completed							JACOBS	GAL
177	CUL	CUL-6b	PC	Cultural Resources Monitoring, Daily Monitoring Log Form - See Decision CUL-5 for specifications on monitors and daily monitoring logs.	The CPM will provide to the CRS an electronic copy of a form to be used as a daily monitoring log and information to be included in the cover sheet for the daily monitoring logs.	form and	At least 30 days before the start of ground disturbance.	12/3/2018		Completed							JACOBS	GAL
178	CUL	CUL-6c	CONS/COM	I Cultural Resources Monitoring, Daily Monitoring Log Submittal - See Decision CUL-6 for specifications on monitors and daily monitoring logs.	The project owner shall submit each day's monitoring logs and cover sheet merged into one PDF document by email within 24 hours.	Daily monitoring logs	Within 24 hours of previous day's monitoring	Daily		In Progress							JACOBS	GAL
179	CUL	CUL-6d	CONS/CON	f Cultural Resources Monitoring, Notification of Non- compliance incidents - See Decision CUL-6a for specifications on monitors and daily monitoring logs.	The CRS and/or project owner shall notify the CPM of any incidents of non-compliance with the conditions and/or applicable LORS by telephone or email within 24 hours.	Notification of non- compliance incident	Within 24 hours of previous day's monitoring	Conditional	9/24/2019	In Progress	9/27/2019						JACOBS	GAL
180	CUL	CUL-6e	CONS/CON	Cultural Resources Monitoring, Daily Maps of Artifacts found - See Decision CUL-6 for specifications on monitors and daily monitoring logs.	The CRS shall provide daily maps of artifacts along with the daily monitoring logs if more than 10 artifacts are found per day, or as requested by the CPM.	Map of artifact finds (if more than 10 artifacts found)	Daily or as requested by the CPM	Conditional		Not Started							JACOBS	GAL
181	CUL	CUL-6f		1 Cultural Resources Monitoring, Weekly Maps of Artifacts Found: See Decision CU-6 for specifications on monitors and daily monitoring logs.	artifacts are found per week or as requested by the CPM.	more than 50 artifacts found or as requested by the CPM)	days after the end of the week	Conditional		Not Started							JACOBS	GAL
182	CUL	CUL-6g	CONS/COM	I Culturel Resources Monitoring Native American Monitor Employment - See Decision for specifications on monitors and daily monitoring logs.	The project owner shall submit a copy of a request from a Native American group that a Native American Monitor (NAM) be employed.	Copy of a request by a Native American Group's request that a Native American be employed and copy of the response letter identifying the Native American monitor to the group.	receiving a request from a Native American group that a	Conditional		Not Started							JACOBS	GAL
183	CUL	CUL-6h	CONS/CON	4 Cultural Resources Monitoring, Monthly Reports - See Decision CU-6 for specifications on monitors and daily monitoring logs.		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

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			y Reliabi	lity Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2	All Phase	es						6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	staff Assessment					Operations						
	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 Submitted to	Date Approved by	Other Agencies to	Date Submitted	Date Approved by Other	Responsible	SERC Project
5	CUL	CUL-6i	CONS/COM	Cultural Resources Monitoring, Monthly Reports - See Bedsion CUL-5 for specifications on monitors and daily monitoring logs.	monthly MCRs and accompanying f weekly summary reports.	Monthly Status Reports of Monitoring, ncluding any new DPR 523A forms, under confidential cover, completed for finds treated orescriptively, as	Weekly, while monitoring occurs	Weekly	Date Submitted to CPM	date)) In Progress	Date Approved by CPM	СВО	СВО	submit to?	to Other agencies	Agencies	Party SERC	Manager GAL
184	CUL	CUL-6j	CONS/COM	Cultural Resources Monitoring, Final Updated DPR Forms - See Decision CUL-6 for specifications on	For sites for which artifacts are found to the found of t	specified in the CRMMP. Final updated DPR forms	At completion of monitoring	Conditional		Not Started							JACOBS	GAL
185	CUL	CUL-6k	CONS/COM	monitors and daily monitoring logs. Cultural Resources Monitoring, Change in Monitoring	updated DPR forms may be submitted at the completion of monitoring The project owner shall submit to	etter or e-mail with	At least 24 hours prior	Conditional		Not Started							JACOBS	GAL
186		COLON	2010/00/	Laurai nessurces wonkoring. Unarge in wonkoring Level - See Decision CLU- for specifications on monitors and daily monitoring logs.	the CPM, for review and approval, j	ustification for changing the monitoring level	to implementing a proposed change in monitoring level	Constitution		WIEL								UNL
187	CUL	CUL-6I		Cultural Resources Monitoring, Change in Daily Reporting - See Decision CUL-6 for specifications on monitors and daily monitoring logs.	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.	ustification for changing or ending daily reporting	At least 24 hours prior to reducing or ending daily reporting	Conditional		Not Started							JACOBS	GAL
100	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 provided by Native provided by Native project owner's transmittals of information.	or information	Within 15 days of receiving comments from Native Americans	Conditional	2/5/2019 2/15/2019	Completed	N/A						JACOBS	GAL
189	CUL	CUL-7a	PC	notify the CPM and the KMAIC of the discovery of human remains. Na 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 CBs has visited the discovery, and all of the following have occurred: (See Deckion for specifications 1-5).	of ground disturbance, the project owner shall provide the CPM and U CRS with a letter confirming that a the CRS, and CRMS. The CRS, and CRMS the CRS, Alternate CRS, and CRMS disturbance in the vicinity of a cultural resources discovery, and that the project owner shall ensure that the CRS notifies the CPM within 24 Altows 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.	chat the CRS, Alternate CRS, and CRMs-Kate authority to halt ground disturbance	to the start of ground disturbance	12/3/2018	11/1/2018	Completed	12/3/2018						JACOBS	GAL
190	CUL	CUL-7b	CONS/COM	DPR-523 Forms (See Decision CUL-7 for specifications).	Unless the discovery can be I treated prescriptively, as specified in the CRMMP, completed DPS R33 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 recordra, whichever the CRS decides is more appropriate for the subject cultural resource.	Conditional		Not Started							JACOBS	GAL
191	CUL	CUL-7c	CONS/COM	Inform Native American Groups (See Decision CUL-7 for specifications).	that the CRS notifies all Native American groups that expressed a	when notifications are	Within 48 hours of the discovery of a resource of interest to Native Americans	Conditional		Not Started							JACOBS	GAL

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2	All Phase				-			6/30/2040				Construction						
3						Based on Final S	Shaff Assassment					Commissioning						
4				Revised 4/30/2019		Based on Final s	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
192	CUL	CUL-7d	CONS/CC	M 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
103	CUL	CUL-7e	CONS/CO	M 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.	American comments	Within 15 days of receiving comments from Native Americans	Conditional		Not started							JACOBS	GAL
19	CUL	CUI-8a	CONS	Fill Solid, Borrow or Fill Site Documentation - If fill solid must be acquired from a non-commercial borrow site of disposed of to a non-commercial borrow site of archaeological resources are provided to and approved by the CPM, the CRS shall survey the borrow or disposal site(s) for cultural resources and revolved to and approve bit(s) for cultural resources and revolved to and approve bit(s) for cultural resources and revolved to and approve bit(s) for cultural resources and revolved to and approve site(s) for cultural resources and revolve to an object completed, the CRS shall covery the results and recommendations for further action to the project owner must the CRS shall covery that cannot be avoided are present at the borrow site, the project owner must ther 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.	information. The owner shall notify the CRS and CPM and provide documentation of previous archeological survey, if any, dating within the past five years, for CPM approval.		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
10	CUL	CUL-8b	CONS	Fill Solis, 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.	owner and the CPM of the results	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
195	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 CB does increview 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 an another accessible location for the operating life of the project. The projec owner shall request that the CB inspect the installation to ensure compliance with the requirements of applicable LOSS. (see Decision ELEC-1 for specifications)	LORS, and shall send the CPM a	Design plans, specifications, and caculations and compliance statement to CBO with copy to CPM	Objohal site 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: 1/23/19 1-5.0: 3/4/19 1-6.0: 3/22/19 1-7.0: 3/6/19 1-8.0: 5/20/19 1-10.0: 3/29/19 1-12.0: 5/20/19 1-12.0: 5/20/19 1-12.0: 7/24/19 Sh 013 PC1 1-13.0 7/24/19 Sh 014 PC1	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 1-8.0: 6/3/19 1-10.0: 4/16/19 1-12.0: 6/3/19 1-13.0: 8/14/19 PCF				SERC	TAT
196	ELEC	ELEC-1b	CONS/CC	M 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 COB 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 nother accessible location for the operating life of the project. The projec owner shall request that the COB inspect the installato to ensure compliance with the requirements of applicable LORS. (See Decision ELEC-1 for specifications)	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	Monthly Compliance Report, Include: receipt or delay of major equipment, testing or energing of major electrical equipment, and signed statement by registered electrical engineer certifying specifications conform to requirements set forth by CEC decision	Monthly	Monthly		In Progress		3/13/19 4/11/19 5/14/19 6/14/19 7/17/19					SERC	GAL

	А	В	С	D	E	F	G	н	1	J	K	0	Р	Q	R	S	T	U
1	Stanto	n Energ	y Reliab	ility Center Compliance Matrix (16	-AFC-01)							Pre-Construction						
2	All Phase	s						6/30/2040				Construction						
3						Based on Final d						Commissioning						
4				Revised 4/30/2019		Based on Final S	staff Assessment					Operations						
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM		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
	GEN	GEN-1a	CONS/CON	I Certificate of Occupancy - The project owner shall design, construct, and inspect the project in accordance	The project owner shall submit to the CPM a statement of	Statement of verification signed by	Within 30 days following receipt of	8/20/2020		Not started							POWER	TAT
				with the 2016 California Building Standards Code (CBSC), also known as TLE 42, California Code A Regulations, which encompasses the (see Decision for list of codes) and all other applicable engineering (USS) in effect at the time initial design plans are submitted to the E0D for review and approval. The project owner shall ensure that all the provisions of the above applicable codes are enforced during the construction, addition, alteration, engineering designs are submitted to the E0D when the completed facility. In the event that the initial engineering designs are submitted to the CBO when the successor to the 2016 CBSC is n effect, the 2016 CBSC provisions shall be replaced with the applicable successor provisions. Where, in any specific case, different sections of the code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement and	verification, signed by the responsible design engineer, attesting that all designs, construction, installation, and inspection requirements of the applicable LOBS and the Energy Commission's decision have been met in the area of facility design.	the responsible design engineer, attesting that all designs, construction, and inspection inspection requirements of the applicable LORS and the Energy Commission's decision have been me in the area of facility design to CPM	the certificate of occupancy from CBO											
198	GEN	GEN 1b	CONS/CON	govern. The project owner shall ensure that all contracts with contractors, subcontractors, and suppliers clearly specify that all work performed and materials supplied comply with the codes listed above. Certificate of Occupancy - The project owner shall		A convolta	Within 30 days	8/20/2020		Not Started							SERC	GAL
199				design, construct, and inspect the project in acordance with the 2015 California Building Standards Code (1825), also known as Title 24, California Code of Regulations, which encompasses the (see Dediation for list of codes) and all other applicable engineering (10%) in effect at the time initial design plans are submitted to the C80 for review and approval. The project owner shall ensure that all the provisions of the above applicable codes are enforced during the construction, addition, alteration, moving (onsite), demolition, regult, or maintenance of the completed facility. In the event that the initial engineering designs are submitted to the C80 Worth the successor to the 2016 CBSC is in effect, the 2016 CBSC provisions shall be replaced with the applicable successor for the code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Whree there is a conflict between a general requirement and a specific requirement, the specific requirement shall govern. The project owner shall ensure that all contracts with contractors, subcontractors, and suppliers clearly specify that all work performed and materials supplied comply with the codes listed above.	verification, signed by the responsible design engineer, attesting that all designs, construction, installation, and inspection requirements of the applicable LOBS and the Energy Commission's decision have been met in the area of facility design.	Certificate of Occupancy to CPM	following receipt of the certification occupancy from CBO											
200	GEN	GEN-1c	OPS	design, construct, and inspect the project in accordance with the 2015 California Building Standards Code (RS2), also known as Title 24, California Code of Regulations, which encompasses the (see Decision for list of codes) and all other applicable engineering (DIS) in effect at the time initial design plans are submitted to the CBO for review and approxal. The project owner shall ensure that all the provisions of the above applicable codes are enforced during the construction, addition, alteration.	dyas prior to any construction, addition, alteration, moving, demolition, repair, or maintenance to be performed on any portionol; of the completed facility that requires CB0 approval for compliance with the above codes. The CPM will then determine if the CBO needs to approve the work.	construction, addition, alteration, moving, demolition, repair, or maintenance of	Inform the CPM within 30 days prior to any construction, addition, alteration, moving, demoliton, repair, or maintenance of completed facility	Conditional		Not Started							SERC	DSR

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1	Stanto	n Energ	y Reliabi	lity Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2	All Phase	s						6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	Staff Assessment					Commissioning Operations						
5	lechnical 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
	GEN	GEN-2a	PC	Schedule of Drawings, Master Drawings, Specification Lists - Befors submitting the initial engineering designs for CBD review, provide the CPM and the CBD with a schedule of facility design submittals, and master drawings and master specifications list, as specified in this condition (Gee Decision GR-2). The schedule shall contain the date of each submittal to the CBD. To facilitate audite by Energy Commission staff, provide specific packages to the CPM upon request.	At least 60 days (or a project owner-and CBO-approved alternative time frame) prior to the start of rough grading, submit to the CBO and to the CPM the schedule, and the matter frawings and matter specifications its of documents to be submitted to the CBO for review and approval. These documents shall be the pertinent design documents for the major structure, systems, and equipment defined in this condition. Major structures and equipment shall be added to or deleted from the list only with	Schedule, Master Drawings & Specifications Lists	At least 60 days prior to the start of rough grading.	11/3/2018	11/2/2018	Completed	11/20/2018	2.1 Updated Sched of Dwgs, Equip & Sub1/18/2019	2.1.Approved 1/23/19				POWER	TAT
201	GEN	GEN-2b	PC/CONS	Updates to Drawings and Lists - See GEN-2a	CPM approval. Provide Updates to Schedule of Drawings and Specification Lists updates in the MCR	Schedule updates	Monthly	Monthly		In Progress		1/18/2019	1/23/2019				SERC	GAL
202	GEN	GEN-3a	PC/CONS/C OM	Payment of CBO - Make payments to the CBO (made to the Energy Commission) for design review, plan checks, and construction inspections and other applicable CBO activities, based on a reasonable fee schedule to be negotiated between the project owner and the CBO. In third party or local gency, the project owner, at the Energy Commission delegates the CBO function to a third party or local gency, the project owner, at the Energy Commission's direction, shall make payments directly to the CBO based upon a fee schedule negotiated between the Energy Commission and the CBO. These else may be consistent with the fees listed in the 2016 CBC, adjusted for inflation and other appropriate adjustments; may be based on the value of the facilities reviewed; may be based on hourly rates; or may be otherwise agreed upon by the project owner and the CBO.	required payments to the CBO in accordance with the agreement. The project owner shall send a copy of the CBO's receipt of	CBO monthly payments	Monthly	Monthly		In Progress		Monthly					SERC	RRF/JLJ
204	GEN	GEN-3b	PC/CONS/C OM	Payment of CBO - Make payments to the CBO (made to the Energy Commission) for design review, plan checks, and construction inspections and other applicable CBO activities, based on a reasonable fee schedule to be negotiated between the project owner and the CBO. If the Energy Commission delegates the CBO function to a thirding ary or local gency, the project owner, at the Energy Commission's direction, shall make payments directly to the DCBO based upon a fee schedule negotiated between the Energy Commission and the DCBO. These else may be consistent with the fees listed in the 2016 CBC, adjusted for inflation and other appropriate adjustment; may be based on the value of the facilities reviewed; may be based on horuly rates; or may be otherwise agreed upon by the project owner and the CBO.	required payments to the CBO in accordance with the agreement. The project owner shall send a copy of the CBO's receipt of	Copy of CBO's Receipt of Payment with the MCR	Monthly	Monthiy		in Progress		Monthly					SERC	GAL
204	GEN	GEN-4a	PC	Resident Engineer - Prior to the start of rough grading, assign a California - registered architect, or a structural or child engineers, su the resident engineer (Ef) in Chage of the project. The RE or his/her delegate(s) shall be responsible for the elements lixted in this condition (See Decision GEN-4).	and CBO-approved alternative time frame) prior to the start of rough grading, submit to the CBO	RE Resume & Registration Number	At least 30 days prior to the start of rough grading	12/3/2018	1/18/2019	Completed	N/A	Power: 12/24/2018 Jacobs: 12/24/2018 NV5: 3/4/2019	Power: 1/8/2019 Jacobs: 1/8/2019 NV5: 3/4/2019				SERC	TAT
206	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	Completed		Power: 12/24/2018 Jacobs: 12/24/2018 NV5: 3/4/2019	Power: 1/8/2019 Jacobs: 1/8/2019 NV5: 3/4/2019				SERC	TAT
207	GEN	GEN-4c		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		2/6/2019	2/12/2019				SERC	TAT
208	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		2/6/2019	2/12/2019				SERC	GAL

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1	Stanto	n Energ	v Reliab	lity Center Compliance Matrix (16	AFC-01)		-					Pre- Construction					
	All Phase							6/30/2040				Construction					
3												Commissioning					
4				Revised 4/30/2019		Based on Final S	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	СВО	Other Agencies to Date Submit to? to Other	Date App bmitted by Oth agencies Agenci	er Responsible es Party	SERC Project Manager
209	GEN	GEN-Sa	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.	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	to the start of rough grading	12/3/2018		Completed		Power: 12/26/2018 Jacobs: 1/16/2019 NV5: 3/4/2019	Power: 1/8/2019 Jacobs: 1/17/2019 NV5: 3/4/2019			SERC	TLB
210	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	Completed		Power: 12/26/2018 Jacobs: 1/16/2019 NV5: 3/4/2019	Power: 1/8/2019 Jacobs: 1/17/2019 NV5: 3/4/2019			SERC	TLB
211	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 GEA-15) to the project. The duties of the engineers are outlined in this condition. These include child engineer, and figurest engineer, mechanical engineer, and electrical engineer.	At least 30 days (or project owner- and (20-approved alternative time frame) prior to the start of rough grading or the start of construction, submit to the (280 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 NV5: 3/4/2019	Power: 1/8/2019 Jacobs: 1/17/2019 NV5: 3/4/2019			SERC	TLB
212	GEN	GEN-5d	PC	Approval of Responsible Engineers - See GEN-Sa	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		Completed		Power: 12/26/2018 Jacobs: 1/16/2019 NV5: 3/4/2019	Power: 1/8/2019 Jacobs: 1/17/2019 NV5: 3/4/2019			SERC	TLB
212	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						SERC	GAL/TAT
213	GEN	GEN-5f	CONS	Approval of Replacement Engineers - See GEN-Sa	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
215	GEN	GEN-6a	CONS	Special Inspector Assignment - Prior to the start of an activity requiring special inspection, including perfadricated assemblish, the project owner shall assign to the project, qualified and certified special inspections required by the 2016 CBC. A certified weld inspections required by the 2016 CBC. A certified weld inspections required by the American Welding Society (AWS), and/or American Society of Mechanical Engineers (ASME) a spipiciable, 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	Submit names and qualifications of certified special inspectors to the CBO	At least 15 days before start of an activity requiring special inspectors	Ongoing				PC1: 1/16/19 PC2: 1/28/19 6-1.10 8/15/19 6-2.1.6 8/16/19	PC1: 1/17/19 PC2: 1/29/19 6-1.1.0 8/16/19			ARB	TLB
212	GEN	GEN-6aa	CONS	Special Inspector Assignment - Prior to the start of an activity requiring special inspection, including perfabricated assembles, the project owner shall assign to the project, qualified and certified special inspections required by the 2016 GEC. A certified weld inspections required by the Abrication Welding Society (AWS), and/or American Society of Mechanical Engineers (ASME) a spiliciable, 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.	Copy to the CPM the names and qualifications of certified special inspectors to the submitted to the CBO	At least 15 days before start of an activity requiring special inspectors	Ongoing									TLB
Π	GEN	GEN-6b	CONS	Approval of Inspectors - See GEN-6a	Submit a copy of the CBO's approval of inspectors	Submit copies of CBO approvals in the MCR	Monthly	Monthly		In Progress		PC1: 1/16/19 PC2: 1/28/19	PC1: 1/17/19 PC2: 1/29/19			ARB	TLB
217	GEN	GEN-6c	CONS	Reassignment of Inspectors - See GEN-6a	Notify the CPM and CBO if a designated special inspector is reassigned or replaced.	Names and qualifications of certified special inspectors to the CBO for approval	Within 5 days of re- assignment	Conditional		Not Started							TLB
218	GEN	GEN-6d	CONS	Approval of Replacement Inspectors -See GEN-6a	Notify the CPM of the CBO's approvals of the new special inspectors within five days of the approval.	Tor approval Notification to CPM	Within 5 days of the approval	Conditional		Not Started						ARB	TLB

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	Stanto	n Energ	v Reliah	ility Center Compliance Matrix (16	-AFC-01)		6			,	ĸ	Pre- Construction	F	ų	ĸ	2		0
	All Phase	- 0				1	I	6/30/2040				Construction			+			
3	All Flias	:5						0,00,00				Commissioning						
4				Revised 4/30/2019		Based on Final S	taff 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
	GEN	GEN-7a	CONS/CON	Design Discrepancy Correction - If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approxis, the project covers hall document the discrepancy and recommend required corrective actions. The discrepancy documentation shall be discrepancy documentation shall reference this condition of certification and, if appropriate, applicable sections of the CBC and/or other LORS.	Transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM in the monthly compliance report.	Copy of CBO's approval in the MCR	Monthly	Monthly		Not Started							SERC	GAL
220	GEN	GEN-7b	CONS/COM	Notification of Correction Disapproval - See GEN-7a	If any corrective action is disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.	Notify CPM and provide revised corrective action	Within 5 days of CBO disapproval of corrective action	Conditional		Not Started							SERC	GAL
221	GEN	GEN-8a	CONS	CBO Inspection and Approval - The project owner shall obtain the CBO's final approval of all completed work than has undergoine CBO design evidew and approval. The project owner shall request the CBO to inspect the completed structure and review the submitted documents. The project owner shall notify the CPM after obtaining the CBO's final approval. The project owner shall retain one set of approved engineering plans, specifications, and calculations (including all approved changes) at the project site, or at another accessible location, during the oparating file of the project. Electronic copies of the approved plans, specifications, calculations, and marked op as shall shall be provided to the CBO for retention by the CPM.	the CBO, with a copy to the CPM in the next monthy compliance report. After storing the final approved engineering plans, specifications, and calculations described above, the project owner shall submit to the CPM a letter stating both that the above documents have been stored and the storage location of those documents.	written notice that the completed work is ready for final inspection, and a signed statement that the work conforms to the final approved	Within 15 days of the completion of any work	Conditional		In Progress							SERC	GAL
222	GEN	GEN-8aa	CONS	CBD inspection and Approval – The project owner shall obtain the CBD's final approval of all completed work that has undergoine CBD design evolve and approval. The project owner shall request the CBD to inspect the completed structure and review the submitted define obtaining the CBD's final approval. The project owner shall request the CBD in all approval. The project owner shall request the cBD's final approval. The project approved charges 1 the project site, or at another accessible location, during the operating life of the project. Electronic copies of the approved planes, specifications, calculations, and marked-up as-built shall be provided to the CBD for retention by the CPM.	the CBO, with a copy to the CPM in the next monthy compliance report. After storing the final approved engineering plans, specifications, and calculations described above, the project owner shall submit to the CPM a letter stating both that the above documents have been stored and the storage location of those documents.	the submittal to the CBO a written notice that the completed work is ready for final inspection, and a signed statement that the work conforms to the final approved	Monthly as completed	Monthly		in Progress								
224	GEN	GEN-8b	CONS	Plan and Specification Storage - See GEN-8a	After storing the final approved engineering plans, specifications, and calculations described above, submit a letter to the CPM.	Letter stating both that the documents have been stored and the storage location of those documents.	After storage is in place	Conditional		Not started							SERC	GAL
225	GEN	GEN-8c	CONS	Plan and Specification Archive Copies- See GEN-8a	The project owner shall provide to the CBO three sets of electronic copies of the engineering plans, specifications, and calculations at the project owner's expense.	"Read only" (Adobe .pdf 6.0 or newer version) files, with restricted (password- protected) printing privileges, on archive quality compact discs.	Within 90 days of the completion of construction	8/21/2020		Not Started							SERC	TAT

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			y Reliat	ility Center Compliance Matrix (16	-AFC-01)			6/30/2040				Pre- Construction						
2	All Phase	es .						6/30/2040				Commissioning						
4				Revised 4/30/2019		Based on Final S	taff 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
226	GEO	GEO-1a	PC	Solis Engineering Report - A Solis Engineering Report, as required by Section 1803 of the califormia 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 solis; corrows esolis; and ground rupture due to faulting. In accordance with the CBC, the report thust also include reports ensity. The ground improvement and foundation systems necessary to mitigate these (potential geologic hazards; if presend). In accordance with the Califormia Business and Protessions Code, the appropriate qualified California licensed individual(s) is required to sign and seal the Solis Engineering Report.	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	Soils Engineering Report, application for grading permit to CBO	90 days before grading	11/3/2018		Completed		1-1-0-1/7/19	1-1.0: 2/1/19 1-4.0: 2/1/19				NV5	TAT
	GEO	GEO-1b	PC	Solis Engineering Report - A Solis Engineering Report, as required by Section 180 of the California Building Code (CBR, 2016), or its successor in effect at the time construction of the project commences, shall specifically include laboratory test data, associated geatechnical engineering analyses, and a thorough discussion of seismicity: liquefaction; dynamic compaction; compressible solis; conscious evolus, and ground rupture due to faulting, in accordance with the CBC, the report must also include recommendations for ground improvement and includation spectras necessary to miligate these (potential geologic bazarda; A present), in accordance with the California Reinsea and Protesions Code, the appropriate qualified California licensed individual(s) is required to sign and seal the Solis Engineering Report.	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	Soils Engineering Report, application for grading permit, and	60 days before grading	12/3/2018	11/2/2018	Completed	11/26/2018	1-1.0:1/7/19 1-4.0:1/7/19	1-10:2///19 1-4.0:2/1/19				SERC	GAL
228	HAZ	HAZ-1	OPS	Hazardous Materials Management - The project owner shall not use any hazardous materials not listed in Appendix 8, below, or in greater quantities or strenghts than those identified by chemical name in Appendix 8, below, unless approved in advance by the compliance project manager (CPM).	the COM, in the Annual	Materials Business	Annual Compliance Report	12/31/2020		Not Started							SERC	DSR
229	HAZ	HAZ-2a	CONS	HMBP and SPCC - The project owner shall concurrently provide a Hazarous Materials Busines Pin (HMBP) a Spill Prevention Control and Counternessure Pian (SPC), and a Hisk Managemeet Plan (RMP) to the Crange County Environmental Health Division (OCEHD) and the CPM for review. After receiving comments from the CCEHD and the CPM, the project owner shall reflect all recommendations in the final documents. Copies of the final Hazarob Materialis Business Plan and RMP shall then be provided to the CCEHD for Information and to the CPM for approval.	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	before receiving hazardous materials on site	7/20/2019	8/2/2019	In Progress	9/12/2019	1-1.08/6/19 PC1 2-3.08/6/19 PC1					SERC	DSR
230	HAZ	HAZ-2aa	CONS	IMMP and SPCC . The project owner shall concurrently provide a Hazaroux Materials Busines Pian (HMMP), a Splil Prvention Control and Counterneasure Pian (SPCC), and a Risk Management Pian (MMP) to the Orange County Environmental Health Division (CCEHD) and the CPM for review. After receiving comments from the CCEHD and the CPM, the project owner shall reflect all recommendations in the final documents. Copies of the final Hazarob Materials Business Pian and RMP shall then be provided to the OCEHD for information and to the CPM for approval.	material on the site for commissioning or operations, the project owner shall provide a copy of the HMBP and SPCC to the CPM	HMBP, SPCC and RMP to CPM for review	Approximatly 60 days before receiving hazardous materials on site	7/29/2019		In Progress				OCEHD	8/2/2019			

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1					bility Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
	All Phas								6/30/2040				Construction						
3													Commissioning						
4		+			Revised 4/30/2019		Based on Final S	Staff Assessment					Operations						
5	Technical Resource	Cor	nd. #	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
231																			
232			7.04	0010					7/20/2010	0736000	la Promu								
233	HAZ	HAZ	Z-2ab	CONS	Final HMBP and SPCC - The project owner shall concurrently provide a Hazardous Materials Business Plan (HMBP), a Spill Prevention Control and Counterreasure Plan (SPCC), and a Bix Management Plan (RMP) to the Orange County Environmental Health Division (CEHD) and the CPM for review. After receiving comments from the OCEM of 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.	OCEHD for review	At least 30 days before receiving hazardous materials on site	7/29/2019	9/27/2019	in Progress								
234	HAZ	HA	Z-2ac	CONS	Final HMIP and SPCC - The project owner shall concurrently provide a Hazardous Materiala Business Plan (HMIP), a Spill Prevention Control and Countermeasure Plan (SPCC), and a fiks Management Plan (RMI) to the Orange County Environmental Health Division (CEHD) and the CPM for review. After receiving comments from the CCEHD 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		In Progress				OCEHD	9/24/2019			
235	HAZ	HA	NZ-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		In Progress							SERC	DSR
236	HAZ		\Z-2c		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.	approval	At least 30 days before delivery of aqueous ammonia on site	10/20/2019		In Progress		(Ref Only)					SERC	DSR
237	HAZ	HA	VZ-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 Certifield 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						OCEHD				

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1	Stanto	n Energ	y Reliabi	lity Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2	All Phase	es				•		6/30/2040				Construction						
3						Based on Final C						Commissioning						
4				Revised 4/30/2019		Based on Final S	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
	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 materiatis by tranker truck. The plan shall include procedures, protective equipment requirements, training, and a checkit. 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 empleyee 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	In Progress							SERC	DSR
238	HAZ	HAZ-3a	CONS/COM	Aqueous Ammonia Safety Management Plan - The project owner shall develop and implement a Safety Management Plan for delivey of aqueous ammonia and other liquid hazardous materials by tanker truck. The plan shall include procedures, protective equipment requirements, training, and a checkist. It shall also include a section describing ail 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 Plana Sdescribed above to the CPM for review and approval.	Safety Management Plan to CBO	At least 30 days before delivery of any liquid hazardous material to the facility					9/27/2019					SERC	DSR
240	HAZ	HAZ-4	CONS	Ammonia Storage Tank Dergin - The aqueous ammonia biorage facility shall be designed to the AMB Code for Unified Pressure Vessels, Section VIII, Division J. The storage facility all be protected by a secondary containment that drains to an underground value via (3) 1.25 square foot obenings capable of holding precipitation from a 24-hour, Z-syear storm event plus 100 percent of the capacity of the largest tank within its boundary. The storage tank shall have ammonia detectors positioned to detect an ammonia leak or loss of containment. The final design drawings and containment basin, and underground vauit shall be submitted to the CPM.	final design drawings and specifications for the ammonia storage tank, ammonia pumps, ammonia detectors around the ammonia storage tank, secondary containment basin, and	Final design drawings for the animonal storage and transfer facility	At least 30 days before construction of the amnonia storage and transfer facility	10/20/2019	3/15/2019 4/29/2019 (Edo Sporoval) transmitted to CPM)	Completed	4/30/2019	3/14/2019 (reference only)	4/29/2019				POWER	GAL
240	HAZ	HAZ-5	CONS	Transport Vehicle Specifications - The project owner shall direct all vendors delivering aqueous ammonia to the site to use only tanker truck transport vehicles that meet or exceed the specifications of MC-307/DOT-407.	The project owner shall submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.	Copies of notification letter to supply vendors	At least 30 days prior to receipt of aqueous ammonia on site	10/20/2019	8/7/2019	In Progress							SERC	GAL
242	HAZ	HAZ-6a	CONS	HazMat Transport Route Restrictions - Prior to initial deliver; the project owner shall direct vendors delivering buik quantities (>800 gallions per delivery) of hazadous material (e.g., aqueous annonia, lubrictaing and insulating oils) to the site to use only the route approved by the CPM (from State Route 91, exiting on Beach Boulevard and traveling south to Katella Avenue, then esat on Katella Avenue and turn left and head north on Dale Avenue to the Stanton entrance). The project owner shall tobatan approval of the CPM if an alternate route is desired.	copy of the letter containing the router extriction directions that were provided to the hazardous materials vender to the CPM for review and approval.	Copy of the letter containing route restriction directions for hazardous materials vendor.	At least 60 days prior to initial receipt of bulk quantities (>800 gallons per delivery) of hazardous materials (e.g., aqueous ammonia, lubricating and insulating oils)	10/20/2019	8/7/2019	In Progress	8/20/2019	8/22/2019		GE Prolec	8/7/2019	8/7/2019	SERC	GAL
243	HAZ	HAZ-6b	CONS/OPS	Route Restrictions, New Vendor - See HAZ-Ga	The project owner shall submit a copy of the letter containing the route restriction directions that were provided to any newly designated hazardous materials vendor to the CPM for review and approval.	Copy of the letter containing route restriction directions for the new hazardous materials vendor.	At least 10 days prior to a new vendor delivery of bulk quantities (>800 gallons per delivery)	10/20/2019		Not Started		(Ref Only)					SERC	GAL

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1	Stanto	n Energ	v Reliat	ility Center Compliance Matrix (16-	-AFC-01)							Pre- Construction						
	All Phas			,		1		6/30/2040				Construction			1			
3												Commissioning						
4				Revised 4/30/2019		Based on Final S	Staff Assessment					Operations		l				
5	Technical Resource HAZ	Cond. # HAZ-7	Phase PC	Description	Verification/Action/Submittal	Submittal Site-specific	Date Submittal is Required At least 30 days prior	Due Date 12/3/2018	Date Submitted to CPM 11/20/2018	Compliance Status for CPM (Not started, in progress, completed (with date)) Completed	Date Approved by CPM 1/25/2019	Date Submitted to CBO 1/21/2019	Date Approved by CBO 1/28/2019	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party SERC	SERC Project Manager GAL
244				construction, a site-specific Construction Site Security	commencing construction, notify the CPM that a site-specific		to commencing construction											
245	HAZ	HAZ-8a	CONS/OPS	Operations Site Security PDn - The project owner shall also prepare a site specific security PDn 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 decs:Ded below (as per NERC Security Guideline for the Electricity Sector: Physical security AC Security Security AC Security	CPM that a site-specific operations site security plan is available for review and approval.		At least 30 days prior to the initial receipt of hazardous materials on site	7/20/2019	4/30/2019 (Castle Spike Topper Only) 8/9/2019 9/18/19	In Progress	5/16/2019 (Castle Spike Topper Only) 8/9/2019						SERC	GAL
246	HAZ	HAZ-8b	OPS	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 level to security to be low (as per KPS Security Guideline for the Electrical below (as per KPS Security Guideline for the Electrical to the security and the provide security to be the low (as per KPS Security Guideline for the Electrical to the security and the providence of the security to the security and the security to the security the security to the security to the security the security to the se	appropriate contractor background investigations have been performed, and that updated certification statements have been		Annual Compliance Report	12/31/2020		Not Started							SERC	GAL
247	HAZ	HAZ-9	CONS/OPS	during the lifetime of the facility, that involve "flammable gas blows" where natural (or flammable)	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	Work Plan	At least 30 days before any fuel gas pipe deaming activities begin	10/26/2019		Not started							SERC	DSR

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1	Stanto	n Energy	y Reliabi	lity Center Compliance Matrix (16	AFC-01)							Pre- Construction						
	All Phase			• • •				6/30/2040				Construction						
3						Based on Filler						Commissioning						
4				Revised 4/30/2019		Based on Final S	staff Assessment					Operations						
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM		Date Approved by CPM		Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
	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 tarque and the QSO's inspection approval of that construction. The responsible mechanical engineer shall starque 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)	stamped statement from the responsible mechanical engineer	specifications, and calculations and certification of	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 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 1.5:6/10/19 1.6:6/10/19 1.6:6/20/19 1.7:6/20/19 1.4:05/31/19 1.4:05/31/19 PC1	1.1: 2/26/19 1.2: 51/6/19 1.3: 5/7/19 1.4: 31/1/19 conditional 1.5: 5/7/19 1.6: 6/25/19 PC 1.7/16/19 PC 1.4: 0.6/19/19 PC 1.4: 0.6/19/19 PC1				Power	ТАТ
248	MECH	MECH-1b	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 assumace/ quality control (DAVCQ) 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 calculations for the major piping and plumbing systems, subject to CBO design review and approval, and subulations for the major piping and plumbing systems, subject to CBO design review and approval, and subulations for the major piping and plumbing systems, subject to CBO design review and approval, and subicitates, and installed in accordance with all of the applicable laws, ordinances, regulations and industry standards. (See Decision MECH-1 for specifications)	approval the final plans, specifications, and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer	of the transmittal letter in the next monthly compliance	Monthly Compliance Report (one time)	Monthly		In Progress							SERC	GAL
250	MECH	MECH-1c	CONS	CBO Approvals, Piping and Plumbing - See MECH-1a	The project owner shall transmit to the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	Copy of transmittal letters and copies of CBO inspection approvals in MCR.	Monthly	Monthly		In Progress							SERC	GAL
251	MECH	MECH-2a	CONS	Pressure Vessel Installation - For all pressure vessels installed in the pint, the project womer shall submit to the C&D and California Occupational Safety and Health Administration (CaC904), pirot rol operation, the code certification papers and other documents required by applicable UORS. Upon completion of the installation approximate C&D and/or Cal-OSNA inspection of that installation. (See Decision MECH-2 for additional specifications).	The project owner shall submit to the CBO for design review and approval, the above listed documents, including a copy of the signed and stamped engineer's certification, with a copy of the	design review and approval, the above	At least 30 days (or project owner- and CBO-approved alternative time fabrication or installation of any pressure vessel the project owner shall submit to the CBO for design review and approval, the above listed documents, including a copy of	11/9/2019		Not Started		9/27/2019					Power	ТАТ
252	MECH	MECH-2aa	CONS	Pressure Vessel Installation - For all pressure vessels installed in the plant, the project owner shall submit to the C80 and California Occupational Safety and Health Administration (Cal-OSHA), prior to operation, the code certification papers and other documents required by applicable LORS. Upon completion of the installation of any pressure vessel, the project owner shall request the appropriate CB0 and/or Cal-OSHA inspection of that installation. [See Decision MCCH-2 for additional specifications].	approval, the above listed documents, including a copy of the signed and stamped engineer's certification, with a copy of the	transmittal letter to the CPM of the Design	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of on-site fabrication or installation of any pressure vessel	11/9/2019		Not Started								

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1	Stanto	n Energ	y Reliabi	lity Center Compliance Matrix (16	-AFC-01)				1			Pre- Construction						
2	All Phase	es						6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	taff Assessment					Commissioning						
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	Date Approved by CBO	Other Agencies to submit to?	Date Submitted	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
252	MECH	MECH-2b	CONS	Pressure Vesal Installation - for all pressure vessels installed in the plant, the project even shall submit the CBO and California Occupational Safety and Health Administration (2a-OSHA), prior to operation, the code certification papers and other documents required by applicable LORS. Upon completion of the installation of any pressure vessel, the project owner shall request the appropriate CBO and/or Cal-OSHA inspection of that installation. (See Decision MECH-2 for additional specifications).	approval, the above listed documents, including a copy of the signed and stamped engineer's certification, with a copy of the	Design documents to CBO with copy of transmittal to CPM	Monthly Compliance Report (one time)	Monthly	_	Not Started							SERC	GAL
254	MECH	MECH-2c	CONS	CBO and Cal-OSHA Inspections and Approvals, Pressure Vessels, MCR - See MECI+2a	to the CPM, in the monthly compliance report following	Letters documenting CBO and Cal-OSHA inspection approvals in MCR	Monthly	Monthly		Not Started							SERC	GAL
255	MECH	MECH-3a	PC/CONS	HVAC Plans - The project owner shall submit to the CBO for design review and approval the design plans, specifications, actualizing, and quality control procedures for any heating, wentilating, air conditioning (HVAC) or refrigeration system. Packaged HVAC systems, where used, shall be identified with the appropriate manufacture's data sharest. (See Dedsion MECH-3 for additional specifications).	the CBO the required HVAC and	and specification, and statement of	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of construction of any HVAC or refrigeration system	10/7/2019		Completed		3-1.0 7/10/19 PC1 3-1.2 7/10/19 PC1 3-1.2 7/10/19 PC1 3-1.3 7/10/19 PC1 3-2.0 7/16/19 PC1 3-2.0 7/16/19 PC1 3-2.2 7/16/19 PC1 3-2.2 36/25/19 PC1 3-2.2 44/19 PC1 CISCO SPM ?					SERC	JBM
256	MECH	MECH-3b	PC/CONS	HVAC Pinas - The project owner shall submit to the CBO for design review and approx1 the design plans, specifications, calculations, and quality control procedures for any heating, ventilating, air conditioning (HVAC) or refrigeration system. Packaged HVAC systems, where used, shall be identified with the appropriate manufacturer's data sheets. (See Decision MECH-3 for additional specifications).	the CBO the required HVAC and	and specification, and statement of	At least 30 days (or project owner- and SPM-approved alternative time frame) prior to the start of construction of any HVAC or refrigeration system	10/7/2019		Not started							SERC	JBM
257	NOISE	NOISE-1a	PC	Public Notification Process - Prior to the start of ground disturbance, the project owner shall notify all residents within one mile of the project site and one-half mile the linear trailities, by mail or by other effective means, of the commencement of project construction. At the same time, the project owner shall establish a telephone number for use by the public to report any undesirable noise conditions associated with the construction and operation of the project. If the telephone is not staffed 24 hours a day, the project owner shall include an automatic answering feature, with date and time stamp recording, to answer calls when the phone is unstaffed. The lephone number shall be posted at the project site during construction where it is wishle to passershy. This telephone number shall be maintained until the project has been operational for at least one year.	to the CPM a statement, signed by the project owner's project		At least 15 days prior to the start of ground disturbance	12/18/2018	12/17/2018	Completed	12/17/2018						JACOBS	GAL
258		NOISE-1b		Telephone Number Confirmation - See NOISE-1a	project manager, stating that the telephone number has been established and posted at the site, and providing that telephone number.	the telephone number has been established and posted at the site.	disturbance	12/18/2018	12/17/2018	Completed	12/21/2018						SERC	GAL
259	NOISE	NOISE-2a	CONS/COM/ OPS	Noise Complaint Process - Throughout the construction and the full term of operation, including facility closure, the project owner shall document, investigate, evaluate, and attempt to resolve all project-related noise complaints. See Decision NOISE-2 for specifications.	Complaint Resolution Form that	Noise Complaint Resolution Form	Within five days of receiving a noise complaint	4/9/2019	4/9/2019	Completed	4/9/2019						SERC	GAL

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1	Stanto	n Energ	y Rel	liabil	lity Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2	All Phase	es							6/30/2040				Construction						
3					Revised 4/30/2019		Based on Final S	taff Assessment					Commissioning						
5	Technical Resource	Cond. #	Pha	ase	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	Date Approved by CBO	Other Agencies to submit to?	Date Submitted	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
260	NOISE		CONS/ OF	25	Noise Complaint Resolution - See NOISE-2a	If mitigation is required to resolve the complaint, and the complaint is not resolved within three business days, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is implemented.	Updated Noise Resolution Complaint Form	When the mitigation is implemented	Conditional		Not Started							SERC	GAL
261	NOISE	NOISE-3	P	1	Employee Noise Control Program - Submit to the CPM for review and approval a noise control program and to reduce employee exposure to high (above permissible) noise levels during construction in accordance with Title 8, California Code of Regulations, Sections 5095-5099, and Title 29, Code of Federal Regulations, Section 1910.95.	of ground disturbance, submit the noise control program to the CPM.	Noise Control Program	At least 30 days prior to the start of ground disturbance	12/3/2018	11/20/2018	Completed	1/3/2019	1/15/2019 (Ref Only)	1/18/2019				SERC	GAL
262	NOISE	NOISE-4a			Operational Noise Survey - The project design and implementation shall include appropriate noise mitigation measures adequate to ensure that the noise levels due to the project operation alone do not exceed an hourly average activion roles level of do BA. measured at monitoring location II. See Dedision NOISE-4 for further specifications.	Conduct the operational noise survey	Conduct the operational noise survey	Within 30 days of achieving a sustained output of 85 percent of rated capacity	4/12/2020		Not Started							Innova	DSR
263	NOISE	NOISE-4b	СОМ,	/OPS I	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	Within 15 days after the survey	5/1/2020		Not Started							Innova	DSR
264	NOISE	NOISE-4c	COM	/OPS I	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
265	NOISE	NOISE-5	СОМ,	a 8 0 1 1 2 3 4 0 4 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Occupational Noise Survey - following the project's attainment of a suitable 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 (995-9906 (Article 105) and Title 29, Code of Federal Regulations, Section 1900.55, 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 survery propert on the CPM. The project owner shall make the report available to OSHA and Cal- OSHA upon request from OSHA and Cal-OSHA.	Noise Survey Report	Within 30 days after completing each survey	4/12/2020		Not Started		(Ref Only)					Innova	DSR
263	NOISE	NOISE-6	Pi	0 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Construction Noise Restrictions - Heavy equipment operation and noisy construction work, including pile driving, shall be extricted to the times delineated in this condition (See Decision NOISE-6). Construction work shall be performed in a maner to ensure excessive noise (noise that draws a project-related complaint) is prohibited and the potential for noise complaints) reduced as much as practicable. Haul trucks and other engine-powerd 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.	project owner shall transmit to the	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
266	NOISE	NOISE-7a	co	1	PIE 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 LT1.	driving technique to	At least 15 days prior to first pile driving	Conditional		Not Started		(Ref Only)					SERC	GAF

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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
268	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 whorkion compliants 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)					JACOBS	GAL
269	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).		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
270	PAL	PAL-1b	PC		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
271	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 Paleo West (D Alexander)	in Progress	6/17/2019 6/17/2019 (Campbell) 7/11/2019 (Serrano) 8/20/19 9/5/19 9/25/19 (Alexander)						JACOBS	GAL
272	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	Completed	2/27/2019						JACOBS	GAL
272	PAL	PAL-2a	PC	Maps and Drawings to PRS - Provide to the PSS and the CPM, for approxed, maps and drawings showing the forotprint of the project, as described in this condition (See Descion PAL2). If construction of the project proceeds in phase, 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 PSS and CPM. The PSS 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
	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	Maps and drawings	At least 15 days prior to the start of ground disturbance	Conditional		Not Started							JACOBS	GAL
274	PAL	PAL-2c		and CPM of any construction phase scheduling changes.	within 5 days of identifying the changes.	Schedule information	Within 5 days of identifying the changes	Conditional		Not Started							SERC	GAL
276	PAL	PAL-3a	PC	Plan (PRMMP) - A paleontological resources monitoring	At least 30 days prior to ground disturbance, provide a copy of the PMMM to the CMM. The PRMMMP shall include an affdavit 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

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1	Stanto	n Energ	y Reliab	lity Center Compliance Matrix (16	-AFC-01)						1	Pre- Construction						
2	All Phase	es						6/30/2040				Construction						
3				Revised 4/30/2019		Bacad on Final S	Staff Assessment					Commissioning						
4				Revised 4/30/2019		Based On Final S	Stall 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
277	PAL	PAL-3b	PC	Plan (PRMMP) - A paleontological resources monitoring and mitigation plan (PRMMP) shall be include elements (1) through (10) as specified in this condition (See Decision PAL-3) and submitted to the CPM for review	At least 30 days prior to ground disturbance, provide a coyo of the PRMMP to the CPM. The PRMMP shall include an afflaavt 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
	PAL	PAL-4a	PC	Worker Environmental Awareness Program, Paleontologia Resources - Prior to ground disturbance and for the duration of construction activities involving ground disturbance, as described in this condition (See Decidion PAL-4), prepare and conduct weekly (PM- approved paleontological resources ratining 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
278	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.		At least 15 days before ground disturbance	2/3/2019	1/10/2019	Completed	1/17/2019						JACOBS	GAL
280	PAL	PAL-Sa	CONS/COM	WEAP Training Documentation/MCR - No worker shall excrete or perform any ground disturbance activity prior to reaching CPM-approved WEAP training by the PRS, unless specifically approved by the CPM. (See Decision PAL-5 for further specifications).	In the Monthly Compliance Report (MCR), the project owner shall provide copies of the WEAP certification of completion forms with the names of those trained, trainer (in-person and/or video) offered that month. The MCR shall also include a running total of all persons who have completed the training to date.	MCR, number of personnel trained during the reporting period, and total number of personnel	Monthly	Monthly		In Progress							ARB	GAL
201	PAL	PAL-5b	CONS/COM	Alternate WEAP Trainer - See PAL-Sa	If the project owner requests an alternate paleontological WEAP trainer, the resume and qualifications of the trainer shall be submitted to the CPM for review and approval prior to installation of an alternate trainer. Alternate trainers shall not conduct WEAP training prior to CPM authorization.	Resume and qualifications of WEAP trainer	Before installation of the alternate trainer	Conditional		Not started							ARB	GAL
281	PAL	PAL-6a	CONS	Paleontological Monitoring - The project owner shall ensure that the PIRs and PIRU(s) monitor, consistent with the PIRUMer) all construction entited grading and eacavation in areas where potential fossi-bearing materials have been lidentified, both at the site and along any constructed linear facilities associated with the project. In the event that the PRG detominus full detominus of the event that the PRG detominus full the project one should be addet with the project one should be detominue and the project one should be addet to the site and the project one shall notify and set the concurrence of the CPM. The PIRS may not further delegate the full- monitoring is necessary. (See Decision PAL-6 for specifications)	A copy of the daily monitoring log of paleontological resource activities shall be included in the monthly compliance report (MCR).	and summary of monitoring activities with MCR	Monthly	Monthly		in Progress							JACOBS	GAL
283	PAL	PAL-6b	CONS	Notification of Change in Monitoring - See PAL-6a	The project owner shall ensure that the PSS bunks the summary of monitoring and paleontological activities in the NCR. When feasible, the CMN shall be notified 15 days in advance of any proposed charges in monitoring different from that identified in the PRMMP, which will require concurrence between the PRS and CPM. If there is also may unforeseen change in monitoring, the notice shall be given as soon as possible prior to implementation of the change.	Notification of proposed change in monitoring	Notify CPM 15 days in advance of changes in monitoring when feasible	Conditional		Not started							JACOBS	GAL

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1	Stanto	n Energy	y Reliabi	ility Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
	All Phase			· · · · · · · · · · · · · · · · · · ·				6/30/2040				Construction						
3												Commissioning						
4				Revised 4/30/2019		Based on Final S	taff Assessment					Operations						
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM		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
284	PAL	PAL-7	CONS/COM/ OPS	Paleontological Resources Report - The project owner Shall ensure preparation of a Paleontological Resources Report (PRR) by the designated PRS. The PRR shall be prepared following completion of ground-disturbing activities. The PRR shall include an analysis of the collected forsis materials and related information, and shall be submitted to the CPM for approval.	The project owner shall submit the PRR under confidential cover to the CPM.	Paleontological Resources Report	Within 90 days after completion of ground- disturbing activities, including landscaping	8/21/2020		Not started							JACOBS	GAL
285	PAL	PAL-8	CONS/COM/ OPS	Curation Retity/Curation Fees: The project owner, through the designed PRS, shall ensure that all components of the PRMMP are adequately performed, including collection of fossill material preparation of fassil material for analysis, analysis of fossils, identification and inventory of fossils, preparation of all significant paleontological resource materials encountered and collected during project construction. The project owner shall pay all curation fees shared by the muceum for fossill material cullected and curated as a result of paleonotological instruction. The project owner shall also provide the curator with documentation showing the project owner invocably and unconditionally donates, gives, and assigns permanent, aboutes, and unconditional ownership of the fossill material.	specimens. This documentation shall also show that fees have been paid for curation and the owner relinquishes control and ownership of all fossil material.	entity responsible for curation and that	Within 60 days of submittal of the PRR	11/4/2020		Not Started							JACOBS	GAL
286	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 diactation Code School District Magnolia Elementary School District Board Policy BP 7211 Facilities: Developer Fees.	(CPM) proof that the delegate chief building official (DCBO) has	Payment / Proof of payment of the development fees	At least 30 days prior to start of construction	12/3/2018	12/3/2018	Completed	12/5/2018	1/7/2019	1/10/2019				SERC	GAL
287	S&W	SOIL & WATER-1a	PC	NPDES Construction Permit Requirements - The project owner shall manage atom water polituion from project construction activities by fulfilling the requirements contained in State Water Resources Control Board's National Pollutant Discharge Elimination System (IPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009 0009-DVD, NPDES No. CAS00002) 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 CPM proof that the construction permit was granted	Proof that construction permit was granted and a WDID was issued	At least thirty (30) days prior to site mobilization	12/3/2018	11/26/2018	Completed	12/12/2018	SWPPP: 1/7/19 WQMP: 3/18/19	SWPPP: 2/6/19 WQMP: 3/27/19				SERC	GAF
288	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	11/26/2018	Completed	12/12/2018	SWPPP: 1/7/19 WQMP: 3/18/19	SWPPP: 2/6/19 WQMP: 3/27/19				SERC	GAF
289	S&W	SOIL & WATER-1c	PC/CONS	Correspondence with SARWQCB - See SOIL & WATER 1a	the CPM any correspondence	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

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2	All Phase	25						6/30/2040				Construction						
4				Revised 4/30/2019		Based on Final S	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
290	S&W	SOIL & WATER-2a	PC	Stormwater Management Plan/WQMP - The project owner shall comply with the Crange County Model Water Quality Management Plan (WQMP) requirement in accordance with Tite 4, Division 13 and Tite 9, Division 1, of the Orange County Code. The project owner shall provide a WQMP for posit-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 messures taken to correct the noncompliance, and the results of tonse corrective measures. See Decision SOIL&WATER-2 for additional specifications.	The project owner shall provide a WQMP for post-construction is storm water BMPs to the CPM and to the Orange County Public Works Department.	construction	At least 120 days prior to site grading	9/14/2018	9/14/2018 (Rev2/19) 3/27/2019	Completed	9/14/2018	PC1:1/17/2019 PC2:2/21/19 PC3:3/18/19 (Ref Only)	3/27/2019				SERC	GAL
291	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	11/29/2018	Completed	12/1/2/18	(Ref Only)					SERC	GAF
292	S&W	SOIL & WATER-2c	PC/CONS	Correspondence with County Re: Stormwater - See SOI & 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		(Ref Only)					SERC	GAL
293	S&W	SOIL & WATER-3a	PC/CONS	hydrostatic and Devatering Water Discharge Permit Requiremets - Twire 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 Ordischarge when applicable. The project owner shall comply with the requirements of the NPDES Permit Order No. CA998001 for hydrostatic testing and dewatering (# applicable) water discharge. The project owner shall provide a copy of all persources control sent to the Santa Ana Regional Water Quality Control Board (SAWCB) to the CPM and notify the CPM in writing of any reported non-compliance.	necessary NPDES permits were obtained from the SARWQCB or	Documentation that NPDES permits are obtained	Thirty (30) days prior to the first scheduled hydrostalic testing event or discharge of groundwater dewatering water	12/3/2018	12/4/2018	In Progress	12/13/2018	(Ref Only)					SERC	GAL
294	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
295	S&W	SOIL & WATER-3c		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
296	S&W	SOIL & WATER-4a	CONS	Water Use and Reporting. "Mater supply for project construction and operation shall be obtable water supplied by Golden State Water Company. Project wate use for construction shall not exceed SJ caref-elect project operation water use shall not exceed SJ 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.	daily water use. After construction is complete, the project's annual compliance report shall include a	Summary of daily water use	Monthly Compliance Report	Monthly		In progress		(Ref Only)					ARB	GAL
297	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 wate use for construction shall not exceed 5.6 acre-fect. Project operation water use shall not exceed 3.4 AFV. The project owner shall record daily water use for the project's construction and operation. The project owner shall comply with the water vue limits and reporting requirements described below.	monthly compliance report shall r include a monthly summary of daily water use. After construction is complete, the project's annual compliance report shall include a	Monthly and annual summary of water use	Annual Compliance Report	12/31/2020		In Progress		(Ref Only)					SERC	DSR
298	S&W	SOIL & WATER-5a	PC/CONS/C PS	Valuer Metering. The water supply for project construction and operation shall be the pacable water supply from Golden State Water Company, Phorito the user of water dwing commercial operation, the project operation of the water usphale of antibiotic nystem to part of the water supply and distribution system to user of shall install and maintain metering devices planting and encoded in gallong 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 submitto 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 11/28/2019	11/29/2018	In Progress	12/1/2/18	(Ref Only)					ARB	GAL

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1	Stanto	n Energ	y Reliabi	lity Center Compliance Matrix (16	-AFC-01)							Pre- Construction					
2	All Phase	S						6/30/2040				Construction					
3				Revised 4/30/2019		Based on Final S	taff Assessment					Commissioning					
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	Date Approved by CBO	Other Agencies to Date Submitted submit to? to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
299	S&W	WATER-5b	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 supplet of 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.	11/28/2019	2/22/2019 3/21/2019	In Progress		(Ref Only)			-	SERC	GAL
300	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 pail to Golden State Water Company shall be reported in the ACR for the life of the project.	the servicing, testing, and calibration of the metering devices in	Annual Compliance Report	12/31/2020				(Ref Only)				SERC	DSR
301	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 adv the total valume(s) of water supplied from Golden State Water Company. Those metering devices shall be operational for the life of the project.	metering devices in the ACR. Fees paid to Golden State Water	State Water Company shall be reported in the Annual	Annual Compliance Report	12/31/2020				(Ref Only)				SERC	DSR
302	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.		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
.303	S&W	SOIL & WATER-6b		Sewer Connections - The project owner shall pay the city of Stanton all fees normally associated with connections to the city's santury sewer or water supply system as defined in the city's code, Title 14 Water and Sewers.	waste water discharge and fees paid to the city shall be reported in	Fees paid to the city shall be reported in the ACR.	Annual Compliance Report	12/31/2020				(Ref Only)				SERC	DSR
304	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 sandary 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.	summary of waste	Annual Compliance Report	12/31/2020				(Ref Only)				SERC	DSR
305	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 Deckion SOL®WATER 7 for list) - Section 401, Section 404, Section 408, Streambed Alteration Agreement,	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)				SoCalGas	GAL
306	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 Carange County Public Works Department in accordance with Orange County Code – Title 9, Division 2, Article 2, Sections 9-2- 40 and 9-2-30. 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.	copy of the application package for the encroachment permit and any comments from Orange County Public Works Department to the	encroachment permit	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
307	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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2 A	ll Phase	es					1		6/30/2040				Construction						
4					Revised 4/30/2019		Based on Final S	Staff Assessment					Operations						
TR	echnical esource	Cond	d. #	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
308	STRUC				Project Structures Plans and Specifications - Prior to the start of any increment of construction, the project owner shall submit plans, calculations, and other supporting documentation to the CBO for design review and acceptance for all project structures and equipment identified in the CBO-approved master drawing and master specifications list. The design plans and calculations shall include the lateral force procedures and details as vertical calculations. Construction of any structure or component shall not begin until the CBO has approved the lateral force procedures to employed in designing that structure or component. (See Decision STRUC-1 for specifications).	the CBO the above final design plans, specifications and calculations, with a copy of the transmittal letter to the CPM.	specifications, and calculations and transmittal letter to CPM	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in the (BO-approved master drawing and master specifications list	1.0: 1/17/2019 2.0: 1/12/2019 3.0: 1/31/2019 4.0: 2/7/2019 5.0: 2/7/2019 6.0: 2/7/2019 8.0: 2/14/2019 9.0: 2/21/2019 10.0: 2/28/2019 13.0: 2/20/2019	Jose Sources Startine 1.0. Compaction: 3/15/19 1.0. Compaction: 3/15/19 2.0: 1/23/2019 3.0: 5/13/19 4.0: 2/6/2019 5.0: 2/7/2019 6.0: 2/7/2019 7.0: 3/26/2019 8.0: 5/13/2019 9.0: 3/22/2019 10.0: 2/28/2019 10.0: 2/28/2019 10.0: 2/28/2019 10.0: 2/28/2019 10.0: 2/28/2019 10.0: 2/28/2019 10.0: 2/28/2019 10.0: 2/28/2019 10.0: 2/28/2019 10.0: 2/28/119 10.0: 2/28/119 10.0: 2/20: 2/0: 5/28/19 20: 5/28/19 20: 2/21/19 20: 2/21/19 20: 2/21/19 20: 2/21/19 20: 2/21/19 </td <td>In Progress</td> <td>NA</td> <td>1.0 Compaction: 3/15/19 4/25/19 2.0 1/23/2019 3.0 1/31/2019 4.0 2/67/2019 5.0: 6.0 2/7/2019 5.0: 6.0 2/7/2019 5.0: 6.0 2/7/2019 5.0: 6.0 2/7/2019 5.0: 6.0 2/7/2019 5.0: 6.0/27/2019 5.0: 6.0/27/</td> <td>1.0 Compaction: 3/25/19 1.0 Bridge Design: 5/13/19 2.0: 2/18/2019 3.0: 5/16/19 5.0: 6.0: 4/30/19 5.0: 6.0: 4/30/19 5.0: 6.0: 4/30/19 5.0: 5/16/19 9.0: 5/16/19 10.0: 5/16/19 10.0: 5/16/19 11.0: 5/16/19 11.0: 5/16/19 11.0: 5/16/19 11.0: 5/16/19 11.0: 7/22/19 10.0: 7/22/19 10.0: 7/23/19 10.0: 7/23/19 10.0: 7/23/19 10.0: 7/23/19 21.0: 6/18/19 21.0: 6/18/19 21.0: 6/18/19 21.0: 6/18/19 21.0: 6/18/19 21.0: 6/18/19 21.0: 6/18/19 21.0: 6/19/19 21.0: 6/19/</td> <td>Source Cor</td> <td></td> <td>Agentes</td> <td>Power</td> <td>GAL</td>	In Progress	NA	1.0 Compaction: 3/15/19 4/25/19 2.0 1/23/2019 3.0 1/31/2019 4.0 2/67/2019 5.0: 6.0 2/7/2019 5.0: 6.0 2/7/2019 5.0: 6.0 2/7/2019 5.0: 6.0 2/7/2019 5.0: 6.0 2/7/2019 5.0: 6.0/27/2019 5.0: 6.0/27/	1.0 Compaction: 3/25/19 1.0 Bridge Design: 5/13/19 2.0: 2/18/2019 3.0: 5/16/19 5.0: 6.0: 4/30/19 5.0: 6.0: 4/30/19 5.0: 6.0: 4/30/19 5.0: 5/16/19 9.0: 5/16/19 10.0: 5/16/19 10.0: 5/16/19 11.0: 5/16/19 11.0: 5/16/19 11.0: 5/16/19 11.0: 5/16/19 11.0: 7/22/19 10.0: 7/22/19 10.0: 7/23/19 10.0: 7/23/19 10.0: 7/23/19 10.0: 7/23/19 21.0: 6/18/19 21.0: 6/18/19 21.0: 6/18/19 21.0: 6/18/19 21.0: 6/18/19 21.0: 6/18/19 21.0: 6/18/19 21.0: 6/19/19 21.0: 6/19/	Source Cor		Agentes	Power	GAL
309	STRUC	STRU	IC-1b	PC/CONS	CBO Approvals Reported in MCR - See STRUC-1a	The project owner shall submit to the CPM, in the next monthly compliance report, a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.	Statement from CBO	Monthly	Monthly		In Progress		Monthly					SERC	GAL
310	STRUC	STRU	IC-1c	PC/CONS	CBO Approvals Reported in MCR - See STRUC-1a	The project owner shall submit to the CPM, in the next monthly compliance report, a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.	Monthly Compliance Report list of approved plans, specifications, and calculations	Monthly	Monthly		In Progress		Monthly					SERC	GAL
311	STRUC	STRU	IC-2a	CONS	Non-Compliance Procedures - The project owner shall submit to the CBO the required number of sets of the following documents related to work that has undergone CBO design review and approval (see Decision STRUC-2 for specifications).	If a discrepancy is discovered in any of the above data, the project owner shall prepare and submit a Non-Compliance Report (NCR) describing the nature of the discrepancies and the proposed corrective action to the CB0, with a copy of the transmittal letter to the CPM. The NCR shall reference the condition(s) of certification and the applicable CBC chapter and section.		Within five days of discovering a discrepancy	Conditional		Not Started							SERC	GAL
312	STRUC	STRU	IC-2b	CONS	Corrective Action Documentation - See STRUC-2a	Within five days of resolution of the NCR, the project owner shall submit a copy of the corrective action to the CBO and the CPM.	Copy of the corrective action to the CBO	Within 5 days of the resolution of the NCR	Conditional		Not Started							SERC	GAL
313	STRUC				Corrective Action Documentation - See STRUC-2a	the NCR, the project owner shall submit a copy of the corrective action to the CBO and the CPM.	Copy of the corrective action to the CPM	resolution of the NCR	Conditional		Not Started								
314		STRU		CONS	Corrective Action Documentation - See STRUC-2a	Project owner shall transmit copy of CBO's approval or disapproval of the corrective action to the CPM within 15 days	disapproval of corrective action	Within 15 days of the resolution of the NCR	Conditional		Not Started							SERC	GAL
315	STRUC	STRU	IC-2d	CONS	Corrective Action Documentation - See STRUC-2a	If disappoved, the project owner shall advise the CPM, within 5 days, of the reason for disapproval, and the revised corrective action to obtain CBO's approval	Advise CPM of CBO's disapproval and revised corrective action	Within 5 days after receiving CBO disapproval	Conditional		Not Started							SERC	GAL

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1	Stanto	n Energ	y Reliab	ility Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2	All Phas	es			-			6/30/2040				Construction						
3												Commissioning						
4				Revised 4/30/2019		Based on Final S	Staff Assessment					Operations						
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM		Date Approved by CPN	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
316	STRUC	STRUC-3a		Final Design Changes - The project owner shall submit to the CB0 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, and shall give to the CBO prior notice of the intended filing.	CBO of the intended filing of design changes, and shall submit the required number of sets of revised drawings and the required number of copies of the other abovementioned documents to the CBO, with a copy of the transmittal letter to the CPM.	СВО	Schedule suitable to the CBO	6/30/2019		Not Started							SERC	GAL
317	STRUC	STRUC-3aa	PC/CONS	Final Design Changes - The project owner shall submit to the CB0 design changes to the final pairs required by the 2016 CBC, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes, and shall give to the CBO prior notice of the intended filing.		Revised drawings to CBO and transmittal to CPM	Schedule suitable to the CBO	6/30/2019		Not Started							SERC	GAL
318	STRUC	STRUC-3b	PC/CONS	Plan Approval Notification in MCR - See STRUC-3a	The project owner shall notify the CPM, via the monthly compliance report, when the CBO has approved the revised plans.	Notification of CBO Plan approval in MCR	Monthly	Monthly		In Progress							SERC	GAL
319	STRUC	STRUC-4a	CONS	Tank and HazMat Vessel Design - Tanks and vessels containing quantities of toxic or hazardows materials exceeding amounts specified in the 2016 CBC shall, at a minimum, be designed to comply with the requirements of that chapter.	The project owner shall submit to the CBO for design review and approval final design plans, specifications, and calculations, including a colculation, stamped engineer's certification.	Final design plans, specifications, and calculations	At least 30 days (or project owner- and CBO-approved alternate time frame) prior to the start of installation of the tanks or vessels containing the above specified quantities of toxic or hazardous materials	10/20/2019									SERC	TAT
320		STRUC-4b		CBO Approvals in MCR - See STRUC-4a	The project owner shall send copies of the CBO approvals of plan checks to the CPM in the monthly compliance report following receipt of such approvals. The project owner shall abso transmit a copy of the CBO's inspection approvals to the CPM in the monthly compliance report following completion of any inspection.	Copies of CBO approvals in MCR	Monthly	Monthly		In Progress							SERC	GAL
	TLSN	TLSN-1	CONS	65 KV Line Requirements - The project owner shall construct the proposed 66-kV ransmission line according to the requirements of California Public Utility Commission's 60-56, 60-128, 00-52, 60-13-0, Tile 8, and Group 2, High Voltage Electrical Safety Orders, sections 2700 through 2974 of the California Cede of Regulations, and Southern California Edison's EMF reduction guidelines.	The project owner shall submit to the compliance project manager (CPM) a letter signed by a California registered electrical engineer affirming that the line will be constructed according to the requirements stated in the condition.	Letter affirming construction in accordance with requirements	At least 30 days prior to start of construction of the transmission line or related structures and facilities	6/1/2019	3/15/2019	Completed	4/4/2019	3/15/2019 (Ref Only)	3/18/2019				SCE	GAL
321	TLSN	TLSN-2	CONS	Metallic Objects Grounded - The project owner shall ensure that all permanent metallic objects within the proposed route are grounded according to industry standards.	The project owner shall submit to the compliance project manager (CPM) a letter signed by a California registered electrical engineer affirming compliance with this condition.	Letter affirming compliance	At least 30 days before the line is energized	12/27/2019		Not Started		(Ref Only)					SCE	GAF
323	TRANS	TRANS-1a	CONS	Roadway Use Permits and Regulations - The project owner shall comply with limitations imposed by the Department of Transportation (Clithrang) and other relevant jurisdictions, including the cities of Stanton, Anaheim, Buen arR, Garden Grove, and Westminster, and the county of Orange, on vehicle sizes and weights, driver licensing, and truck routes.	The project owner shall identify the permits received during that reporting period (copies of actual permits are not required in the MCR) to demonstrate project compliance with limitations of relevant jurisdictions for vehicle sizes, weights, driver licensing, and truck routes.	List of permits received in MCR	Monthly	Monthly		In Progress		(Ref Only)					ARB	GAL
324	TRANS	TRANS-1b	CONS	Copies of Permits - See TRANS-1a	The project owner shall retain	Copies of permits and documentation	During construction	Ongoing		In Progress		(Ref Only)					SERC	TLB

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1 Sta	nton	Energy	y Reliab	ility Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2 All P			-					6/30/2040				Construction						
3						_						Commissioning						
4 Tech Reso		Cond. #	Phase	Revised 4/30/2019 Description	Verification/Action/Submittal	Based on Final : Submittal	Staff Assessment 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	Operations Date Submitted to CBO	Date Approved by CBO	Other Agencies to submit to?	Date Submitted	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
TRA 325	ANS '	TRANS-2a	PC	Traffic Control Plan - Prior to the start of construction, the project owner shall prepare a Traffic Control Plan (CP) for the project's construction traffic. The TCP shall address the movement of workers, whicks; and materials, including annival and departure schedules and designated workforce and delivery routes. The project owner shall costnot with the city of Startion in the preparation and implementation of the TCP. The project owner shall costnot the proposed TCP to the city in sufficient time for review and comment, and to the CPM for review and approxipation 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	10/18/2018	Completed	12/16/2018	1/22/2019 (Ref Only)	1/23/2019	Gity of Stanton	3/1/2019 7/1/2019	3/4/2019 7/17/2019	JACOBS	GAL
323 TRA 326	ANS .	TRANS-26	PC	Traffic Control Plan - Prior to the start of construction, the project owner shall prepare a Traffic Control Plan (TP) 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 caushed the proposed TCP Stanton in the preparation and implementation of the TCP. The project owner shall caushed the proposed TCP to the city is sufficient time for review and comment, and to the CPM the review and approval prior to the 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.	and transmittal letter	At least 60 calendar days prior to the start of construction	11/29/2018	11/29/2018 3/1/2019 7/1/2019	Completed	12/21/2018 3/5/2019 7/18/2019	1/22/2019 (Ref Only)	1/23/2019				JACOBS	GAL
327	ANS	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	1/22/2019 (Ref Only)	1/23/2019				Jacobs	GAL
TR4	ANS '	TRANS-2d	PC	Final TCP to City - See TRANS-2a	completed copies of the final TCP		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
TR4	ANS -	TRANS-3a	PC	Instruction of Public Roads, Essement, and Bights of Way. The project owner shall rescue 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 amand's (such as pothorise, deterioration of pavement edges, or damaged signage) shall take place immediately affect the damage has occurred. Prior to thu start of site mobilization, the project owner shall notify the relevant agencies, including the txt of Stanton, county of Grange, Caltrans District 12, and any jurisdiction 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 regists or improvement activities in areas affected by prospect construction until construction. The completed, and to condinate any construction the completed, and to condinate any construction the completed, and to condinate any construction. The completed, and to condinate any construction the completed, and to condinate any construction the completed, and to condinate any	mobilization, the project owner shall videotape creads 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

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4					Revised 4/30/2019		Based on Final S	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
330	TRANS	TRANS-3	3b	CONS	Roadway Repair Acceptance - See TRANS-3a	If damage to any public road, easement, or right-of-way occurs during construction, the project owners 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 astisfaction with the repairs.	Notify CPM and affected agencies to identify sections to be reparted. Establish schedule for completion of repairs with CPM	After road damage has been identified	Conditional		Not started		(Ref Only)					SERC	GAL
331	TRANS	TRANS-3			Roadway Repair Acceptance - See TRANS-3a	If damage to any public road, easement, or right-ol-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
332	TRANS	TRANS-4	4a	PC	Encoachment into Public Rights of Way - Phorto any ground disturbance, improvements, or Phorto any ground disturbance, improvements, or obstruction of traffic within any public road, easement, or right of way, the roject owner shall coordinate with all applicable jurisdictions, including the city of Stanton, to obtain necessary encoachment 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
333	TRANS				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.	11/12/2020		In Progress							SERC	TLB
334	TRANS	TRANS-5			Transportation of Hazardous Materials - The project owner shall control with lexends harardous 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.	materials haulers and licensing verification in MCRs	Monthly during construction	Monthly		In Progress		(Ref Only)					SERC	GAL
335	TRANS	TRANS-5	Sb	OPS	Transportation of Haardook Materiak-The project owner shall control with Lensed hardnook materials delivery and waste hauler companies for the transportation of harachous 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.	materials haulers and licensing verification in	Annual Compliance Report	12/31/2020		Not started		(Ref Only)					SERC	DSR

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_			gy Relia	bility Center Compliance Matrix (16	-AFC-01)							Pre-Construction						
2	All Phase	S						6/30/2040				Construction						
4				Revised 4/30/2019		Based on Final S	Staff Assessment					Operations						
	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 Submitted to	Date Approved by	Other Agencies to		Date Approved by Other	Responsible	SERC Project
336	TRANS	TRANS-6	B 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 waiking between the parking area and the site or working at the stel), construction vehicles, and heavy/oversite 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		At least 60 calendar days prior to the start of construction- related ground disturbance	12/20/2018	Date Submitted to CPM	date)) Completed	Date Approved by CPM	CBO	C80	submit to?	to Other agencies	Agencies	Party Jacobs	Manager GAL
337	TRANS	TRANS-6	D PC	Rail Cossing Satety Plan - Prior to any construction- related ground disturbance, the project owner shall develop and implement a rail crossing safety plan for construction that addresss construction-related predestrian activity (including workers waiking between the parking area and the site or working at the still, construction vehicles, and heavy/oversite 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
320	TRANS	TRANS-6	PC PC	Rail Cooking Safety Plan - Prior to any construction- related ground disturbance, the project owner shall develop and implement a rail crossing safety plan for construction that addressis construction-related pedestrian activity (including workers walking between the parking area and the site or working at the stell, construction vehicles, and heavy/ownise 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.		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: 10/291/2018; UPRR: 11/1/2018	City of Stanton: 10/29/18	SERC	GAL
338	TRANS	TRANS-6	I PC	Final Rail Crossing Safety Plan - See TRANS-Ga	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
340	TRANS	TRANS-6	PC	Final Rail Crossing Safety Plan - See TRANS-Ga	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
341	TRANS	TRANS-7	CONS	FAA Notification for Construction Equipment at or Executing 153 Feet AdL - The project owner or its contractor(s) shall file Federal Aviation Administration (FAA) Form AdEA). Notice of Propased Constructions alteration, with the FAA for any construction equipment 153 feet above ground level (AGI or atlaw France and the AA as part of their hazard determination, such as marking and lighting requirements.	The project owner shall submit to the CPM acopy of the FAX'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
342		TRANS-8		Pilot Notification and Awareness - The project owner shall initiate the following actions the 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
343	TRANS	TRANS-8	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 FAM 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.		Within 60 days after CPM approval of the draft language	5/7/2019	3/22/2019	Completed	5/22/2019			Los Alamitos Army Airfeid, FAA, Fullerton Muncipal Airport	3/27/2019		JACOBS	GAL

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2	All Phase							6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	taff Assessment					Commissioning Operations						
4				Neviscu 4/ 50/ 2015					1		1	operations		1				
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
344	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						SERC	GAL
345	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
346	TSE	TSE-1	CONS	Schedule of Designs, Master Drawing List, Specification Lists - Funish to teCPM and to teK Do a schedule of transmission facility design submittals, as discribed in this condition (See Dedistion 15:1). A Master Drawing List, a Master Specifications List, and a Major Equipment and Structure List. Provide designated packages to the CPM when requested.	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
347	TSE	TSE-2a	CONS	Find Switchpard Design- For the power plant switchpard, outle 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 equipment and systems of the power plant switchward, outlet line, and termination, including a copy of the signed and stamped statement from the responsible electrical engineer verifying compliance with all applicable LORS.	design plans, specifications, and	Prior to the start of each increment of construction - Switchyard a) Ckil design b) Structural design c) electrical design c) electrical design b) electrical design	6/30/2019		Completed		2-1.08/2/19 PC1	2-1.0 8/22/19 PC1				Power / SCE	GAL
348	TSE	TSE-2b	OPS	Final Switchyard Design- For the power plant switchyard, outlet line, and termination, the project owner shall not begin any construction until plants 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 size 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 equipment and systems of the power plant switchyard, outlet line, and termination, including a copy of the signed and stamped statement from the responsible electrical engineer verifying compliance with all applicable LORS.	plans, specifications, and calculations for the power plant switchyard, outlet line, and termination with compliance certification letter	For 1 year after completion of construction	10/13/2021									SERC	DSR
240	TSE	TSE-2c	CONS	Final Switchpard Design: For the power plant switchpard, outle line, and termination, the project owner shall note line, and termination, the project 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 equipment and systems of the power plant switchyard, outlet line, and termination, including a copy of the signed and stamped statement from the responsible electrical engineer verifying compliance with all applicable LORS.	inspection of insallation applicable	During construction	1/2/2020									SERC	TLB
350	TSE	TSE-2d	CONS/COI 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		Not Started							SERC	GAL
351	TSE	TSE-3	CONS/COI OPS	V Design, Construction, and Operation of Transmission Facilities - The design, construction, and operation of the proposed transmission facilities will conform to all applicable LORS, and requirements (a) through (f) listed in this condition (See Decision TSE-3 for further specifications).	Prior to the start of construction of transmission facilities, submit to the CBO for approval the elements (a) through (f) listed in this condition.	See condition text for document list	Prior to the start of construction or modification of transmission facilities	6/30/2019									SERC	GAF

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			y Reliab	ility Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2	All Phase	es						6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	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)) D	Date Approved by CPM	Date Submitted to CBO	Date Approved by CBO		Date Submitted	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
352	TSE	TSE-4a	CONS	 At least one business day prior to synchronising the facility with the grid for resting provide elephone notification to the California ISO Outage Coordination Department. 	copies of the California SiO letter to the CPM when it is sent to the California SiO one week prior to initial synchronization with the grid. The project owner shall contact the California ISO Outage Coordination Department, Monday through Friday, between the hours of 1000 and 1530 at (916) 935-3200 at least one basiness day prior to synchronizing the Facility with the grid for testing. A report to synchronizing the facility with the grid for provided electronizing the facility with the california transmission system for the first time.	CASO letter and report of conversation with CAISO	Letter one week prot- and report of conversation one day before initial synchronization with the grid	2/11/2020		Not Started							SERC	DSR
353	TSE	TSE-4b	CONS	Notice to CAISO - The project owner shall provide the following notice to the California Independent System Operator (California ISO) prior to synchronizing the facility with the california ITSOnsimosino system: 1. At least one week prior to synchronizing the facility with the grid for testing, provide the california ISO letter stating the proposed date of synchronization; and 2. At least one business day prior to synchronizing the facility with the grid for testing, provide telephone notification to the California ISO Outage Coordination Department.	copies of the California ISO letter to the CPM when it is sent to the California ISO one week prior to initial synchronization with the grid. The project owner shall	Telephone notification to CASO Outage Coardination department Note: use recorded line at 24hr desk	Letter one business day prior and report of conversation one day before industry synchronization with the grid	2/4/2020		Not Started							SERC	DSR
354	TSE	TSE-5a	COM/OPS	Ar-Bult Drawings - The project owner shall be responsible for the inspection of the trammission facilities during and after project construction, and any subsequent CPM and CBO approved changes thereto. Io ensure conformance with CPUC General Order (GO) 55, CPUC GO 128, or VESC, Titk 9, CCR, Articles 33, Bian 37 of the "High Voltage Electric Safety Orders", applicable interconnection standards, a 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.	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)	after project	Within 10 days of discovering non- conformance	Conditional		Not Started							SERC	TLB
355	TSE	TSE-5b	COM/OPS	As-Bull 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) 55, CPUC GO 128, or VESC, Tithe 3, CC, Articles 3, 3 Band 37 of the "right Voltage Electric Safety Orders", applicable interconnection standards, a 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.	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)	line drawings of	Within 60 days after first synchronization of the project	4/18/2020		Not Started							SERC	GAF
356	TSE	TSE-5c	COM/OPS	As-Built Drawings - The project owner shall be responsible for the inspection of the transmission facilies during and later project construction, and any subsequent CPM and CBO approved changes thereto, to ensure conformace with CPUC Centeral Order (GO) 55, CPUC GO 128, or NESC, Title 8, CCR, Arclices 35, Sd and 37 of the "High Volgae Rietric 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 CEO in writing, within 10 days of discovering such non-conformance, and describe the corrective actions to be taken.	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)	mechanical structure	Within 60 days after first synchronization of the project	4/18/2020		Not Started							SERC	GAF

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			y Reliabi	lity Center Compliance Matrix (16	-AFC-01)							Pre- Construction						
2 A	All Phase	s						6/30/2040				Construction						
3				Revised 4/30/2019		Based on Final S	taff Assessment					Commissioning Operations						
1	[echnical	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date		Compliance Status for CPM (Not		operations				Date Approved		
5	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 CB0 approved changes thereto, to ensure conformance with CPUC General Order (GO) 95, CPUC GO 128, or NESC, Title 8, CCR, Articles 3, 36 and 37 of the "High Voltage Electric Safety Orders", applicable interconnection standards, a well as NEC and related industry standards. In case of nonconformance, the project owner shall inform the CPM and CB0 in writing, within 10 days of discovering such non- conformance, and describe the corrective	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	4/18/2020	Date Submitted to CPM	started, in progress, completed (with date)) Not Started	Date Approved by CPM	Date Submitted to	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	by Other Agencies	Responsible Party SERC	SERC Project Manager GAF
357	VIS	VIS-1a		actions to be taken. 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 mininize visual intrusion and contrast by blending with the landscape; b) their colors and finishes do not create accessive glare; and c) their colors and finishes are consistent with local policies and ordinances. The transmission line conductors shall be nonspecular and non-reflective, and the insulators shall be non-reflective and non-refractive. See Decision VIS-1 for specifications) Revised Surface Treatment Plan - See VIS-1a	CPM for review and approval and simultaneously to the city of Stanton for review and comment.	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	2/25/19 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
250	VIS	VIS-1b	PC/CONS	Revised Surface Treatment Plan - See VIS-1a		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
360	VIS	VIS-1c	CONS	Notification that Treatment Completed - See VIS-1a		CPM that surface	Prior to the start of commercial operation	4/1/2020		Not Started		(Ref Only)					SERC	GAL
361	VIS	VIS-1d	OPS	Surface Treatment Maintenance - See VIS-1a	Project owner shall provide status report regarding surface treatment maintenance in the AGL 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 occured during the reporting year; and (the schedule of maintenance activities for the next year	Status Report	Annual Compliance Report	12/31/2020				(Ref Only)					SERC	DSR
362	VIS	VIS-2a	CONS	Screening Landscaping Plan - The project owner shall also submit to the CPM for review and approval, and simultaneously to the city of Stanton for review and comment, a detailed landscape plan and irrigation plan for the power plants the in fulfilment of requirements of applicable laws, ordinances, regulations, and standards, including water efficiency irrigation standards as required by the city of Stanton. See Decision VIS-2 for specifications.	irigation plans shall be submitted to the CPM for review and approval and simultaneously to the city of Stanton for review and comment at least 90 days prior to installation.	irrigation plans	At the earliest feasible time during or prior to construction and at least 90 days prior to installation	1/9/2020		Not Started		(Ref Only)					SERC	GAL
363	VIS	VIS-2b	CONS		plans require revision, the project owner shall provide to the CPM and simultaneously to the city of Stanton a revised plan for review and approval by the CPM.	Revised landscaping and irrigation plans	No specific time frame	Conditional		Not Started		(Ref Only)					SERC	GAL
364	VIS	VIS-2c	COM/OPS	Landscape Installation Timing - See VIS-2a	The planting must occur during the first optimal planting season following completion of site construction	Landscape and irrigation installation	First optimal planting season following construction	5/1/2020				(Ref Only)					ARB	GAF

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4				Revised 4/30/2019		Based on Final S	staff Assessment					Operations						
5	Technical Resource	Cond. #	Phas	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
365	VIS	VIS-2d	COM/C	PS Landscaping Ready for Inspection - See VIS-2a	The project owner shall simultaneously notify the CPM and the city of Stanton within seven days after completing installation of the landscaping, that the landscaping is ready for inspection.	Notification that landscape is ready for inspection	Within seven days of completing the landscaping	5/9/2020		Not Started		(Ref Only)					SERC	GAL
366	VIS	VIS-2e		VS Landscaping Ready for Inspection - See VIS-2a	The project owner shall report landscaping maintenance activities, including replacement or dead or dying vegetation. for the previous year of operation in each ACR. The CPM shall have authority to require replacement planting of dead or dying vegetation through the life of the project	Status Report	Annual Compliance Report	12/31/2020		Not Started							SERC	DSR
367	VIS	VIS-3a	CON	Site Lighting, Project Construction and Commissioning Consistent with applicable worker safety regulations, the project owner shall ensure that lighting of on-site construction areas, and construction worker parking lots, minimizes potential inglit lighting impacts. (See Decision VIS-3 for specifications).	The project owner shall notify the CPM that the lighting is ready for inspection.	Notification that lighting is ready for inspection	Within seven calendar days after the first use of construction lighting	3/8/2019	3/4/2019	Completed	3/7/2019						ARB	GAL
260	VIS	VIS-3b	CON	Lighting Modifications Corrections - See VIS-3a	If the CPM determines that modifications to the lighting are needed for any construction milestone, project owner shall correct the lighting and notify the CPM that modifications have been completed.	Lighting modifications/ corrections, notification to CPM	Within 14 calendar days of receiving notification	Conditional		Not Started							ARB	GAL
369	VIS	VIS-3c	CON	Complaint Reporting - See VIS-3a	The project owner shall provide to the CPM a copy of any complaint reports and resolution form, including a schedule for implementing corrective measures to resolve the complaint.	Complaint report and resolution form, schedule for corrective measures	Within 48 hours of receiving a lighting complaint for any construction activity	Conditional		Not Started							SERC	GAL
270	VIS	VIS-3d	CON	Summary of Complaints in MCR - See VIS-3a	The project owner shall report any lighting complaints and document their resolution in the monthly compliance report for the project, accompanied by copies of completed complaint report and resolution forms for that month.	complaints and resolution in MCR,	Monthly	Monthly		In Progress							SERC	GAL
271	VIS	VIS-4a	PC/CO	S Lefting Management Plan, Project Operation - The project conversibility proper and injectment at comprehensive Lighting Management Plan. The 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 simulaneous 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 flattures or apparatus unt written approval of the final plan is received from the CPM. Modifications to the Lighting Management Plan are prohibited workers after regulations, the project owner shall design, install, and manitan al permanent exterior lighting such that light sources are not directly visible from area beyond the project tos, gaine is axoided to the maximum extent freshelbe. All lighting fitcures shall be selected to achieve high energy efficiency for the facility. See Decision VIS-4 for specifications).	comment and the CPM for review and approval. The project owner shall provide the CPM with a copy il of the transmittal letters submitted to the city requesting their review of the Lighting	Plan and transmittal letters to Planning	At least 80 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

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	All Phase			· · ·				6/30/2040				Construction						
3												Commissioning						
4				Revised 4/30/2019		Based on Final S	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
372	VIS	VIS-4b		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, instail, and maintain all permanent	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	transmittal letter submitted to city and	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
312	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 fractures) shall begin unit! fina jalan approval is received from the CPM.	Revised Lighting Plan	No specific time frame	Conditional		Not started		(Ref Only)					POWER	GAL
373	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.	lighting is ready for	Prior to the start of commercial operation of the project	11/12/2020		Not Started							SERC	GAL
375	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
376	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
377	VIS	VIS-4g		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
378	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 COD	11/12/2020		Not Started		(Ref Only)					SERC	GAL

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3					Revised 4/30/2019		Record on Final 6	Staff Assessment					Commissioning						
4	Technical Resource	Cond.	.#	Phase	Revised 4/30/2019 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	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
379	VIS	VIS-4			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		Within in 30 days of receiving notification	Conditional		Not Started		(Ref Only)	600				SERC	GAL
380					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.	transportation of soils for disposal to the Olinda Alpha Landfill, the project owner shall submit a Soils	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
381				ONS/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.	transportation of soils for disposal to the Olinda Alpha Landfill, 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
382	WASTE	WASTE	E-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
	WASTE	WASTE	E-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	6/1/2020		Not Started							JACOBS	GAL
383	WASTE	WASTI	E-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		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
385	WASTE	WASTE	E-3a	CONS	Final Engineer/Goologist Report - If seemingly contaminated soil is identified during site characterization, demolition, encaution, or grading at ether the proposed site or linear facilities (as evidenced by discoloration, odor, detection by handheid instruments, or other signs), the professional engineer or geologist shall procet 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 subsine the	The project owner shall submit any final reports filed by the professional engineer or	Final reports by the engineer or geologist	Within 5 days of receipt	Conditional	6/12/19 (final NV% reports on 2 barrels and notification of barrel removal)	Completed	6/12/2019						JACOBS	GAL
386	WASTE	WASTE	E-3b	CONS	Construction Halt Notification - See WASTE-3a	The project owner shall notify the CPM within 24 Aucus 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

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5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM		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-4a	PC	Construction and Demolitoin Environmental Resources Management Plan — The project owner shall prepare a Construction and Demolitoin (C & D) Environmental Resources Management and Recycling Plan for demolition and construction wastes generated and shall submit a copy of the plan to the Conge County's Public Works/Planning Department for review, and to the CPM for review and approval. See Decision WASTE-4 for specifications.	C & D Environmental Resources Management and Recycling Plan to Orange County's Public Works Department for review and comment	Demolition	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
387	WASTE	WASTE-4b	PC	Construction and Demolition Environmental Resources Management Plan. The project owner shall prepare a Construction and Demolition (G. D. D. Environmental Resources Management and Recycling Plan for demolition and construction waters generated and shall submit a corp of the plan to the Conge County's Public Works/Planning Department for review, and to the CPM for review and opproval. See Decision WASTE-4 for specifications.	C & D Environmental Resources Management and Recycling Plan to the CPM for review and approval.	Demolition Environmental	30 days prior to the initiation of demolition activities at the site	12/3/2018	11/1/2018	Completed	1/28/2019						JACOBS	GAL
388	WASTE	WASTE-4c		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 Demolision Waste Management Plan; and update the Construction and Demolision Waste Management Plan as necessary to address current waste generation and management practices.		Monthly	Monthly		In Progress							ARB	GAL
390	WASTE	WASTE-5a	PC/CON	Abbertos-Containing Materiais - Prior to demolition of pipelines, building, and associated structures, the project owner shall survey for abbertos-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 Ar Quality Management District Notification of Demolition or Renovation Form to the CPM as related to abbestos 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
391	WASTE	WASTE-SE	PC/CON	Abstence Containing Materials - Prior to demolition of pipelines, building, and associated structures, the project owner shall survey for absence containing material (ACM) and notify the CPM to 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 Ar Quality Management District Notification of Demolition or Renovation Form to the CPM as related to asbestos and other materials.	the Notification of Demolition or Renovation Form to the CPM for review.	Notification of Demolition or Renovation Form to CPM	No less than 60 days prior to commencement of structure demolition	12/6/2018	2/13/2019	Completed	2/22/2019						AEC	GAL

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392		WASTE-5c		Abeetos-containing Materiais - 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 case of an end to remove such material, the project covers shall complete and submit a copy of a South Coast Air Quality Management District. Notification of Beenolition or Renovation Form to the CPM as related to asbestos and other materials.	the project owner shall inform the CPM, via the Monthly Compliance Report of the date when all ACM is removed from the site.	Compliance Reports	Monthly Compliance Report	Monthly		Completed							SERC	GAL
393	WASTE		OPS	Hazadous Waste Generator ID - The project owner shall report new temporary hazarolous waste generator identification numbers from the United States Environmental Protection Agency prior to generating any hazarolous waste during demolition, construction, or operations.	site and provide documentation of the hazardous waste generation and notification and receipt of the number to the CPM in the next scheduled Monthly Compliance Report after receipt of the number. Submittal of the notification and issued number	Compliance Report	Monthly Compliance Report	Monthly		in Progress							SERC	GAL
394	WASTE	WASTE-7		Enforcement Action Notification - Upon becoming aware of any impending waste management-related enforcement action by any local, state, or federal authority, the project owner shall notify the CPM of any such action taken, or proposed to be taken, against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts.	notify the project owner of any changes that will be required in the way project-related wastes are managed.		Within 10 days of becoming aware of an impending enforcement action.	Conditional		Not started							SERC	GAL
395				and approval. See Decision WASTE-8 for specifications.	The project owner shall submit the Operation Waste Management Plan to the CPM for approval.	Management Plan	No less than 30 days prior to the sart of project operation	11/12/2020		Not Started							SERC	DSR
396		WASTE-8b		Revised OWMP - See WASTE-8a	The project owner shall submit any required revision of the Waste Management Plan to the CPM.	Waste Management Plan	Within 20 days of notlication from the CPM that revisions are necessary.	Conditional		Not Started							SERC	DSR
397	WASTE	WASTE-8c	OPS	OWMP Report in ACR - See WASTE-8a	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

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5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM		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
398	WASTE	WASTE-9		Unauthorized Release Response - The project owner shall ensure that all pills or release of hazardous substances, materials, or waste are reported, cleaned up, and remediated as necessary, in accordance with all applicable federal, state, and local requirements.	materials, or wastes that occur on the project property or related pipeline and transmission coridons to the CPA. Information including the location of release; date and time of release; reason for release; volume released; amount of contaminitated soli/material generated; how release was managed and material cleaned up; if the release was reported; rotherase corrective action and cleanup requirements; placed by regulating agencies; level of cleanup achieve 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.	unauthorized release or spill	the date the release was discovered	3/1/2019 6/14/2019		Completed	3/7/2019 6/18/2019						SERC	GAL
399		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 liquer and liness Prevention Program shall be submitted to the CPM for review and approval concerning compliance of the program with all applicable safety orders. The Construction Theragency Action Plan and the Fire Prevention Plan shall be submitted to the Orange County Fire Autority for review and comment prior to submittal to the CPM for approval.	and Safety and Health Program.	Safety Program w/OCFA Comments CFPP and EAP	to start of construction	12/3/2018	12/3/2018	Completed	1/29/2019	1/16/19	2/4/2019				ARB	GAL
400	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 highly and likess. 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 Carage Country Fire Authority for preview 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 CDmage 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 CFPP and EAP	At least 30 days prior to start of construction	12/3/2018	Original 12/3/2018; Revision 1/17/2019	Completed	N/A	1/16/19	2/4/2019	OCFA	12/3/2018	No response	ARB	GAL
401	WORKER SAFETY	WORKER SAFETY-2a	COM/OPS	Operations H85 Program - The project owner shall submit to the CPM a copy of the Project Operations and Maintenance 35444 and Health Program [See Decision WORKER SAFETY-2 for specifications]. The Operation Injury and Illness Prevention Plan, Haradrous 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 allos 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.		At least 30 days prior to the start of first- fire or commissioning	1/11/2020		Not Started		1/16/19	2/4/2019				SERC	DSR

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	'echnical 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
	NORKER SAFETY	WORKER SAFETY-2b	COM/OPS	Operations HBS Program - The project owner shall submit to the CNM a copy of the Project Operations and Maintennace Safety and Health Program (See Decision WORKER SAFET): 2 for specifications). The Operation Injury and Illness Prevention Plan, Hazandous 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.	timely comments on the Operations Fire Prevention Plan, Fire Protection System Impairment Program, and Emergency Action	Maintenance Safety	At least 30 days prior to the start of first- fire or commissioning	1/11/2020		Not Started		1/16/19	2/4/2019				SERC	DSR
		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				ARB	GAL
		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
		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
	WORKER SAFETY	WORKER SAFETY-4	PC	Agreement to Fund Safety Monitor - The project owner shall make payments to the Delegate. Chief Building Official (DCB0) for the services of a Safety Monitor based upon a reasonable fee schedule to be negotated between the project owner and the DCB0. Those services shall be addition to other work performed by the DCB0. The Safety Monitor shall be selected from an independent company not affiliated with the DCB0 and report directly to the DCB0 and will be responsible for verying that the Construction Safety Supervisor, as required in Condition of Centification WORKER SAFETY- 3., implements all appropriate Ca(DCB1A) and Energy Commission safety requirements. The Safety Monitor shall conduct on-the (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
	WORKER SAFETY	WORKER SAFETY-5a	PC	Automatic External Defibrillator - A portable automatic external defibrillator (AED) shall be located on site during demolition, construction, and operations and a training program shall be implemented, as described in this condition (Sop Deciden UVOPECE SAETY 5). Too	Submit to the CPM proof that a portable AED is available on site	Proof of AED	At least 30 days prior to the start of site mobilization	12/3/2018	11/15/2018	Completed	12/11/2018	1/22/2019 (Ref Only)	1/23/2019				ARB	GAL
408	SAFETY	WORKER SAFETY-5b	PC	Automatic External Defibrillator - A portable automatic external defibrillator (AED) shall be located on site	training and maintenance program for review and approval.	Training Program	At least 30 days prior to the start of site mobilization	12/3/2018	11/15/2018	Completed	12/11/2018	1/22/2019 (Ref Only)	1/23/2019				ARB	GAL
		WORKER SAFETY-6a	PC	Emergency Access Plan - The project owner shall prepare an Emergency Access Plan that shows a secondary emergency access to the Stanton site where	The project owner shall submit the Emergency Access Plan showing the secondary emergency access to the Orange County Fire Authority for review and timely comment	Emergency Access Plan	At least 60 days prior to the start of construction, or within a time frame approved by the CPM	12/6/2018	11/2/2018	Completed	11/15/2018	1/18/2019 (Ref Only)	1/18/2019				Jacobs	GAL
		WORKER SAFETY-6b	PC	Emergency Access Plan - The project owner shall prepare an Emergency Access Plan that shows a secondary emergency access to the Stanton site where the specifications of the roadway will comply with the Stanton Municipal Code and the 2016 (or latest edition) California Fire Code. A secondary access must be	The project owner shall submit the Emergency Access Plan showing the secondary emergency access to the CPM for review and approval.	Emergency Access Plan	At least 60 days prior to the start of construction, or within a time frame approved by the CPM	12/6/2018	11/2/2018	Completed	11/15/2018	1/18/2019 (Ref Only)	1/18/2019				Jacobs	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	Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
411	WORKER SAFETY	WORKE SAFETY-		PC/CONS	Emergency Access Plan, Revised - See WORKERSAFETY- Ga	If a change to the secondary access is proposed by the project owner, the project owner must submit the proposed change, with an updated Emergency Access Plan hat shows the new proposed location/arrangement for the secondary emergency access road, to the Orange County Fire Authority for review and timely comment	Emergency Access Plan showing the secondary emergency access road	90 days before a change to the secondary access would occur	Conditional				1/18/2019 (Ref Only)	1/18/2019				JACOBS	GAL
412	WORKER SAFETY	WORKE SAFETY-		PC/CONS	Emergency Access Plan, Revised - See WORKERSAFETY- Ga	If a change to the secondary access is proposed by the project owner, the project owner must submit the proposed change, with an updated Tenegrency Access Plan that shows the new proposed location/ arrangement for the secondary emergency access road, to the CPM for review and approval.	Emergency Access Plan showing the secondary emergency access road	91 days before a change to the secondary access would occur	Conditional		Not started		1/18/2019 (Ref Only)	1/18/2019				JACOBS	GAL
413	WORKER SAFETY	WORKE SAFETY-		PC/CONS	Fire Protection System Specifications - The project owner shall albert to all applicable provisions of the latest version of NFPA 850. Recommended Practice for File Protection for Electric Generality Plants and High Voltage Direct Current Converter Stations, as the minimum level of fire protection. The Droject 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 LOR Shave application, the more restrictive shall apply.	The project owner shall ensure that the project adheres to all applicable provisions of NPPA 820. The project owner shall provide all fire protection system specifications and drawings to the Orange County Fire Authority for review and comment	Fire protection system specifications and drawings to the OCFA	At least 60 days prior to the start of construction of the fire protection system	7/28/2019		In Progress				OCFA	2/4/19		POWER	TAT
414	WORKER SAFETY	WORKE SAFETY-		PC/CONS	Five Protection System Specifications - The project owner shall adhere to all applicable provisions of the latest version of NPA 830: 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 NPA 850 recommended provisions and actions stating "should" as "shall." fam part lautions where both NFA 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 provision of NPFA 820. The project owner shall provide all fire protection system specifications and drawings to the CPM for review and approval	Fire protection system specifications and drawings to the CPM	At least 60 days prior to the start of construction of the fire protection system	12/6/2018	2/6/2019 Additional Submittals made on 4/22/19	In Progress							Power	GAL
415	WORKER SAFETY	WORKE SAFETY-	-7c		Fire Protection System Specifications - The project owner shall adhere to all applicable provisions of the latest version of MPA 830: Recommended Practice of Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations, as the multi Interpret and athere to all applicable HPA 850 recommended provisions and actions stating "should" as "shall "in any situations where both HFPA 850 and the stato or local IOS have application, the more restrictive shall apply.	The project owner shall ensure that the project adheres to all applicable provisions of NFPA 820. The project owner shall provide all fire protection system specifications and drawings to the DCBD for plan check approval and construction inspection.	specifications and drawings to the DCBO	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	7-1.0: 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				Power	GAL
416	WORKER SAFETY	WORKE SAFETY-		PC/CONS	UL 9540 Contification - The project owner shall ensure that the lithlium battery energy storage system sand Equipment JU 9540 certification. The project owner shall submit the certification and with the fire protection drawings and specifications for the ESS to the Orange Courty 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 resist 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 9560 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

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Tec Res	chnical source	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM		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
	ORKER AFETY	WORKER SAFETY- 8a.1	PC	UU 9540 Certification - The project owner shall ensure that the tilkhim on battery energy storage system sas UL Standard for Safety for fnergy 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 comment and to the CPM for review and approval. The project owner shall also collaborate with the Orange County Fire Authority for review the the Card Comment and to the CPM for review and start is a standard operating procedures for first responders to implement when confronting a fire occurring within the Ithium 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	certification for the ESS, or copy of the contract with UL to	At least 60 days prior to the start of construction of BESS	10/3/2019		Completed		(Ref Only)					SERC	GAL
418	AFETY	WORKER SAFETY-8b	PC	that the lithium ion battery energy storage system has UL Standar for Stepf vor forengy Storage System 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 Courty 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.	OCFA for review and comment	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
	DRKER AFETY	WORKER SAFETY- 8b.1	PC/CONS	UL 9340 Certification - The project owner shall ensure that the tilblum to hattery energy storage system has UL Standard for Safety for fnergy Storage Systems and Equipment, UL 9340 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 where confronting a fire eccurring within the lithium ion ESS located on site.	the complete ESS fire protection	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		Not Started							SERC	GAL
SA 420	AFETY	WORKER SAFETY- 8b.2		UL 9540 Certification - The project owner shall ensure that the lithium ion battery energy storage system has UL standard for Stafey for Energy Storage System and Equipment, UL 9540 certification. The project owner shall submit the certification andpress with the fire protection drawings and specifications for the 255 to the Grange Courty Fire Authority for review and approval. The project owner shall also collaborate with the Grange 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 complete ESS fire protection drawings and specifications to the CBO for reference only.	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
		WORKER SAFETY- 8c.1	PC/CONS	LU SSG 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 SSG certification. The project owner shall submit the certification angive with the fire protection drawings and specifications for the ESS to the Grange Courty Fire Authority for review and approval. The project owner shall also cellaborate with the Grange 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 Sydar cequirements 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		Not Started							SERC	GAL

Г	Α	В	С	D	E	F	G	н	I	J	К	0	Р	0	R	S	T	U
1	Stanto	n Energy	/ Reliabi	lity Center Compliance Matrix (16	-AFC-01)		-					Pre- Construction						
	All Phase						1	6/30/2040				Construction						
	, un mase	J										Commissioning						
3				Revised 4/30/2019		Based on Final S	staff Assessment					Operations						
5	Technical Resource	Cond. #	Phase	Description	Verification/Action/Submittal	Submittal	Date Submittal is Required	Due Date	Date Submitted to CPM		Date Approved by CPM		Date Approved by CBO	Other Agencies to submit to?	Date Submitted to Other agencies	Date Approved by Other Agencies	Responsible Party	SERC Project Manager
422	WORKER SAFETY	WORKER SAFETY- 8c.2		UL 9540 Certification - The project owner shall ensure that the lithlium 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 dravings and specifications for the ESS to the Orange County Fire Authority 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 lithlium ion ESS located on site.	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)					SERC	GAL
423	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	At least 60 days prior to commissioning of BESS	1/30/2020									SERC	GAL
424	WORKER SAFETY	WORKER SAFETY- 8e.1	CONS	Letter to OCFA - See WORKERSAFETY-8a	copy of a letter sent from the project owner to the OCFA	Copy of letter to OCFA offering to develop procedures, to CBO for reference only.	to commissioning of	1/30/2020				(Refonly)					SERC	GAL
425	WORKER SAFETY	WORKER SAFETY-8f	CONS	Final UL Certification of ESS - See WORKERSAFETY-8a		Final UL Certificaction of ESS to CPM.	Prior to the start of BESS commissioning	4/14/2020		Not Started							SERC	GAL
426	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.	of ESS to CBO for	Prior to the start of BESS commissioning	4/14/2020				(Ref only)					SERC	GAL

Attachment 3 – Air Quality

Page **88** of **492**



Memorandum

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

Subject	Stanton Energy Reliability Center (16-AFC-1C) Air Quality Monthly Compliance Report September 2019
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	October 4, 2019
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) in September 2019 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.

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 (AQCMM) to verify compliance with this condition. Such information may be provided in electronic format or on disk media at the project owner's discretion

During construction in September 2019, 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 and demolition activities. Signs have been posted at the two entrances to the construction site, limiting vehicle speeds to 10 miles per hour. To verify compliance with AQ-SC3, a fugitive dust control

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checklist was completed each day. The daily field checklists for fugitive dust control and the sweeping logs are provided in Attachment A and 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. Additional measures were implemented to clean up track-out. 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 September 2019. 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 site in September 2019 and tagged to indicate compliance with AQ-SC5:

Manufacturer	Equipment Name	EIN				
CASE	580 SN - BackHoe	BX3T54				
CAT	Rough Terrain Forklift	SF7A56				
CAT	259D Skid Steer Loader	NG3U86				
CAT	XQ200 Generator	166565				
Deere	210l Skip Loader	WK9J63				
Genie	5K Reach Fork	JW5N58				
Grove	GRT880 Crane	XG7V58				
JCB	507-42	RV7M68				
JLG	60' Boom Lift	LR7P73				
JLG	6042 T4F 6K Reach Forklift	HN6U33				
JLG	660SJ Manlift	WP9E86				
Manitowoc	Manitowoc 999	TX5P83				
Xtreme	XR1255 Forklift	VC6G63				
Xtreme	XR2045 Forklift	VT6H48				



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 on the project site. A SOILMEC R-930 crane equipped with a Tier 2 engine arrived at the site during this reporting period. The equipment was identified as the necessary tool to efficiently perform the construction activities. A good faith effort was made to identify and procure higher tier equipment. The vender's correspondence regarding the request for a Tier 4, Tier 3, or retrofit options indicated that a higher tier engine or retrofit controls are not available for the requested type and size of the equipment, and that the highest emission tier of the equipment is Tier 2. Documentation of the correspondence is included in Attachment B. Attachment B also contains the AQ-SC5 daily field checklists for off-road diesel engines and letters from the equipment owners indicating the equipment has been properly maintained.

Attachment A Documentation of AQ-SC3 Compliance

AQCMM or Delegate name:

AQCMM or Delegate signature:

Date: _____9/3/2019

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of No bulk materials received today N/A freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

* 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:

Form: SERC-CAQ-001

ature: Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.03 17:02:26

(16-AFC-01C)

AQCMM or Delegate name:

AQCMM or Delegate signature:

9/4/2019 Date:

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

Form: SERC-CAQ-001

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.04 15:57:33

(16-AFC-01C)

AQCMM or Delegate name:

AQCMM or Delegate signature:

9/5/2019 Date:

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

Form: SERC-CAQ-001

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.05 16:20:29

AQCMM or Delegate name:

AQCMM or Delegate signature:

Jon Kimble September 6, 2019

Jon Kimble

Date:

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 bfore 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?	N/A	
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:

AQCMM or Delegate name:

AQCMM or Delegate signature:

Date:

9/9/2019

Mike Malsy

Michael Malsy Date: 2019.09.11 07:32:29

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Silt fencing being moved and staked as necessary for crane operations. Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

AQCMM or Delegate name:

AQCMM or Delegate signature:

9/10/2019

MikeMalsy

Digitally signed by Michael Malsy Date: 2019.09.11 07:34:51 -07'00'

Date: _____

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 bfore 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	Silt fencing under repair during crane operations.
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:

AQCMM or Delegate name:

Mike Malsy

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.16 16:20:01

AQCMM or Delegate signature:

Date: 9/11/2019

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

AQCMM or Delegate name:

AQCMM or Delegate signature:

9/12/2019 Date:

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Replaced silt fencing with fiber roll material at fencing impacted by crane Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? operations. Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

Form: SERC-CAQ-001

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.16 16:22:29 -07'00'

(16-AFC-01C)

AQCMM or Delegate name:

Mike Malsy

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.16 16:23:45

AQCMM or Delegate signature:

9/13/2019 Date:

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

* 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:

Form: SERC-CAQ-001

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project

AQCMM or Delegate name:

Mike Malsy

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.16 16:24:56

AQCMM or Delegate signature:

Date: 9/16/2019

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

Form: SERC-CAQ-001

Fo

AQCMM or Delegate name:

Mike Malsy

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.19 16:14:20 -07'00'

AQCMM or Delegate signature:

Date: ______9/17/2019

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

AQCMM or Delegate name:

AQCMM or Delegate signature:

9/18/2019 Date:

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

Form: SERC-CAQ-001

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.19 16:19:15

AQCMM or Delegate name:

Mike Malsy

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.19 16:20:10

AQCMM or Delegate signature:

Date: _____9/19/2019

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

AQCMM or Delegate name:

Mike Malsy

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.23 18:17:00 -0700'

AQCMM or Delegate signature:

Date: ______

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 bfore 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:

AQCMM or Delegate name:

Mike Malsy

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.23 18:17:29 -0700'

AQCMM or Delegate signature:

Date: ______

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 bfore 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:

Form: SERC-CAQ-001

AQCMM or Delegate name:

Mike Malsy

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.30 15:04:52 -07'00'

AQCMM or Delegate signature:

9/24/2019 Date:

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

Form: SERC-CAQ-001

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AQCMM or Delegate name:

AQCMM or Delegate signature:

9/25/2019 Date:

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

Form: SERC-CAQ-001

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.30 15:05:55

Mike Malsy

(16-AFC-01C)

AQCMM or Delegate name:

AQCMM or Delegate signature:

9/26/2019

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

Form: SERC-CAQ-001

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.30 15:06:43

Date:

Mike Malsy

(16-AFC-01C)

AQCMM or Delegate na

AQCMM or Delegate signature:

9/27/2019 Date:

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

Form: SERC-CAQ-001

Air Quality Construction Mitigation Plan for the Stanton Energy Reliability Center Project

ame:	Mike Malsy	
		(pr

Michael Malsy Digitally signed by Michael Malsy Date: 2019.09.30 15:07:10

AQCMM or Delegate name:

Mike Malsy

Michael Malsy Digitally signed by Michael Malsy Date: 2019.10.01 17:48:59 -07'00'

AQCMM or Delegate signature:

Date: 9/30/2019

Response Construction Fugitive Dust Control (AQ-SC3) Checklist Item (yes/no) If no, describe corrective action required and/or in progress Are all unpaved roads and disturbed areas watered as frequently as necessary? Υ Are speed limit signs posted at the main entrances? Υ Υ Are vehicle tires inspected and washed as necessary? Are gravel ramps installed at tire washing station? Υ Are construction equipment vehicle tires inspected and washed as necessary bfore entering paved road? Are unpaved exits graveled or treated to prevent track-out? Υ Are equipment and vehicles using designated onsite roads? Υ Are onsite paved roads swept at least twice daily, and paved public roadways within 500 feet of exits swept Υ as needed?* Υ Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place? Are all soil piles and disturbed areas that are inactive for longer than 10 days covered or treated with Υ dust suppressant compounds? Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of Υ freeboard prior to leaving the project site? Υ Are wind erosion control techniques (such as windbreaks, water, chemical suppressants, etc.) used on construction areas that may be disturbed? Are dust plumes visible with the potential to be transported (1) off the project site, (2) 200 feet Ν 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).

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ADDITIONAL NOTES:

Form: SERC-CAQ-001

Date Time Onsite Fern Pacific Dale $9'3./9$ 705 $$ $000000000000000000000000000000000000$	Month/Year: Sep 20/5		Sweep	ing Area Sweep	ing Area (Checl	(if Swept)	Operator Signature	Notes
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Date		Onsite	Fern	Pacific	Dale	operator signature	Notes
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9:3:19 745 $ 1.11$ $9:3:19$ $8ar$ $ 1.11$ $9:3:17$ 815 $ 1.11$ $9:3:19$ 830 $ 1.11$ $9:3:19$ 845 $ 1.11$ $9:3:19$ 845 $ 1.11$ $9:3:19$ $9ar$ $ 1.11$ $9:3:19$ $9ar$ $ 1.11$ $9:3:19$ $9ar$ $ 1.11$ $9:3:19$ 945 $ 1.11$ $9:3:19$ 945 $ 1.11$ $9:3:19$ $1asr$ $ 1.11$							hill	
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7.5.11 1000	,					-		
9.3.19 /100 - hill							RIA	

Sweeping Log

. 7

Month/Year: Sweeping Area Sweeping Area (Check if Swept) Sep 2019 **Operator Signature** Notes Date Time Onsite Pacific Fern Dale 9-3-19 1115 1130 9.3.15 1215 9-3-19 1230 9-3-15 9.3.19 1245 9.3.15 100 115 9.3.19 9.3.19 130 9-3-19 1415 200 9-3.15 9.3.19 25 230 9.3.19 2415 hull 9.3.19

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

Month/Ye		Sweep	ing Area Sweep	ing Area (Check	(if Swept)	— Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale		Notes
9.4.10	7000					hall	
9.4.19	715					hall	
9.4.19				· ·	-	hill	
9.4.19	0					Kilk	
9.4.19					-	KIK	
9.4.19					-	Mull	
9-4-19					_	Kilk	
9.41.19					-	hall	
9.4.19						hull	
9.4.19					-	Kulk	
9.4.19		1				lalk	
9.4.19						hill	
9.4.19	1000				-	Kall-	
9.4.19	1015					hill	
9-4.19	1030					hull	
9.41.19	1045				-	KM -	
9.41.19	11as				-	hull	

Month/Ye	ear: - <u>2019</u>	Sweep	ing Area Sweep	ing Area (Check	if Swept)	- Operator Signature	Netes
Date	Time	Onsite	Fern	Pacific	Dale	— Operator Signature	Notes
9.4.19	1115					KIK	
9.4.19					-	helle helle	
9.4.19						lan	
	9 1230					K/K	
9.4.19						1all	
9.4.10						lell	
9.4.19						Kull	
9.4.19						hall	
9.4.15						Kull	
9.4.19				-		lull	
9.4.19						Kull	
9-41.19						Kull	
1017	20					Kall	

Month/Year: Sept 2019		Sweepi	ing Area Sweep	ing Area (Check	if Swept)	— Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale		Notes
9.5.19	700					Kall	
9.5.19	715					hin	
9.5.19	730					11/1	
9.5.19	745					Kall	
9:5.19						lan	
9.5.19						hlk	
9:5.19						lall	
9:5-19	865					laft	
9.5.19	900	-				lould	
9.5.19	95					hill	
9-5-19	930					Kula	
9.5.19	943				-	Rull	
9.5.19						Kill	
9-5-19	1015			-	-	hull	
9.5.19	1030				-	Kull	
9.5.19	1045					Rull Rull	
9-5-19	11019					hall	

Sweeping Log

1

Month/Year: Sept 2019		Sweepi	ng Area Sweep	ing Area (Check	c if Swept)		Notos
Date	Time	Onsite	Fern	Pacific	Dale	 Operator Signature 	Notes
95.19	1115					161A	
9.5.10	1130					Ka	
9-5-19	1215					Kik	
95.19	1230					KI	
9.3.19	1245					KIK	
4.5.15	125	· · · · · · · · ·				hill	
9.5.19		8				KIL	
9.5-19						Kell	
9-5-19	145					Call	
9.5.15						hall	
9.3.19			4			helle	
9.5.19						lill	
9-5-19	245					till	

Month/Year: Sweeping Area Sweeping Area (Check if Swept) Sept 2019 **Operator Signature** Notes Date Time Onsite Pacific Fern Dale 9-6.19 7000 9.6.19 715 9-6.19 730 743 9-6-19 9-6.19 8av 9-6-19 815 9-6-19 830 9.6.19 845 9-6.19 900 CIR 9 6-19 95 h/h 930 9.6.19 1 1A 9.6.19 943 9-6-19 1000 9-6-19 1013 9-6-19 1030 hill that the Kay K 1045 9-6-19 9-6-19 1100

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

Month/Year: Supt 2019		Sweepi	ing Area Sweep	ing Area (Check	c if Swept)		1.21
Date	Time	Onsite	Fern	Pacific	Dale	Operator Signature	Notes
9.6.1	9 1115					lull	
9.6.19					-	lull	
9.6.19					-	lell	
9-6-1					-	hall	
9-6-1							
9-6-1						Lell 1	
9-6-10						Call	
9-6-19						Cull	
9-6-10					-	Cell	
9-6-1					-	hell	
9.6.19	9 230 245					Kill	
						ante	

				Sweepi	16 105		
Month/Year: Sept 2019		Sweepi	ng Area Sweep	ing Area (Check	if Swept)	— Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale	Operator Signature	Notes
9.9.19	700				-	lill	
9.9.19	715					Kull	et ⁴
9.9.19	730				-	Malk	
9.9.19	745				-	///	
9.9.19	800				-	hill	
9.9.19	815					that	
9-9-19	830				-	111K	
9.9.19	845				-	11/K	
9.9.19	900				-	Kulk	
9-9-19	90				-	lill	
9-9-19	930				-	all	
9.9.19	943					Kille	
9-9-19	1000				-	hall	
9-9-19	1015			-		kin	
9.9.19	1030		C 1.1		-	lill	
9-9-19	IOLIS				-	hall	
9-9-19	1100					hill	

Sweeping Log

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14.

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Month/Year: Sweeping Area Sweeping Area (Check if Swept) Sept 2019 **Operator Signature** Notes Time Date Onsite Fern Pacific Dale 9-9-19 1115 130 4.9.19 1215 9 1230 G 1245 9 ·G.19 100 0 .9.19 115 01. 30 145 9.9 200 9-9.19 25 9.9.19 230 .19 9 2.15 9.9.19

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

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Month/Ye	ar: 1-2019	Sweepi	ng Area Sweep	ing Area (Check	if Swept)	Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale		107223-5
9.10.10	700					KIR	
9.10.1	715					Kulk	
9.10.1	9 730	1.			-	KIA	
9.10.	19 745				-	Kell	
9.101	9 800					Kull	
9.10.1						1/m	
9.10.1					«	Kull	
9.10.1	9 845				-	Mall	
9.10.1	9 900					Kull	
9.10.1	9 915		· · · · · ·		-	Kut	
9-10-1	9 930					1/1	
9.10.	19 9415				-	lill	
9.10.1	9 1000					Kell	
9.10.1	1013					RIA	
9.10.	9 1030					lan	
2.10.1	9 1045				-	lill	
9.10.1	9 1100					hall	

Sweeping Log

				Sweepi			
Month/Year: Supt 2019		Sweepi	ng Area Sweep	ing Area (Check	if Swept)	— Operator Signature	
Date	Time	Onsite	Fern	Pacific	Dale	Operator Signature	Notes
7-10-19	1115					1/11	
9-10-19	1130					Lill	
9.10.19						bell	
9.10.19						hill	
9.10.19						hall	
9.10.19						lill	
9-10-19						lift	
9.10.19						hall	
9.10-19						lall	÷
9.10.19		.1			-	hall	
9.10.19					-	hall	
9.10.19	-					lin	
9.10.19	2015					lall	
							6
							· · ·

Month/Year	e)	Sweepir	ng Area Sweepir	ng Area (Check	(if Swept)		
Date	Time	Onsite	Fern	Pacific	Dale	Operator Signature	Notes
9.11.19	7.00					KIN	
9.11.19	715				~	hall	
9.11.19	730					RAK	
9.11.19	745					Kell	-
9.11.19	See)					KIII	
9.11.19	815					left	
9.11.19			2			that	
9.11.19					-	Kall	
9.11.19	900					tul	
9.11.19	915					thall	
9-11-19	930				-	that	
9.11.19	945		_			Km/1	
9.11.19	1000					helk	
9.11.17	105					Kin	
9.11.19	1030					Kull	
9-11-19	lous				-	latte	
9-11-19	1100					Chell	1.1

Sweeping Log

Month/Year: Sweeping Area Sweeping Area (Check if Swept) **Operator Signature** Notes Time Date Onsite Fern Pacific Dale 9-11-19 1115 SIL 1130 9.11.19 9.11.19 1215 9.11.15 1230 1245 9 1.19 9.11.19 100 4 9.11.19 115 x 130 911.19 145 111.19 1 200 9 1.19 4 9.11.19 215 K 9-11-19 230 245 9-11-19

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

Sweeping Log

Month/Ye	ear:	Sweep	ing Area Sweep	ing Area (Check	; if Swept)		
Date	Time	Onsite	Fern	Pacific	Dale	— Operator Signature	Notes
9.12.1	9 700					LIII	
9-12-1					_	halk	
9.12.1	19 730					KIM	
9.12.1	9 7415					luff	
9.12.1	19 800					Kull	
9.12.1						Kull	
9.12.1						Kull	
9.12-1					-	KIK	
9.12.1	9 900					halk	
9.12.1	95					Kull	
9.12.1	9 930					fulk	
9-12-1	9 945		1			halk	
9.12.1					-	KIR	
9-12.	/					Man	
9.12.1						think	
9.12.1					-	Kull	
9-12-	19 1100					han	

Month/Ye	ar: <i>+ 201</i> 9	Sweep	ing Area Sweepii	ng Area (Check	if Swept)	— Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale	Operator Signature	Notes
9.12-19	1115					lell	
9.12.19	1130					hall	
9.12.19	1215	_				lall	
9.12.10	1230	1 A.				helle	
9.12-1	9 1245					hall	
9.12-19	100					lall	
9.1210	115					hill	
9.12.19	130					hall	
9.12.10						hill	
9.12.10	-				-	thatt	
9.12-19						Kulk	
9-12-19						Kull	
9.12.19	245					hall	
							1
				·			

С.,

Month/Year		Sweepir	ng Area Sweep	ing Area (Check	if Swept)	— Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale		Notes
9.13.19	700					luft	
9.13.19	715					lut	
9.13.19	730					hull	
9.13.19	745					hill	
9.13.19	800			1		Mall	
9.13.19	815				-	that	
9.13.19	839					Kill	
9.13.19	845	7				hill	
9.13.19	900					lill	
9-13-19	915				-	hill	
9.13.15	930				-	Man M	
9-13-19	945				-	hall	
9-13-19	1000				-	hull	
9-13-19	105				-	lula.	
9.13.19	1030				-	KIK	1
9-13-19	1045				-	Kulk	
9-13-19	1100				-	Kulk	

Month/Ye	ear: 2019	Sweepi	ing Area Sweep	ing Area (Check	if Swept)	Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale		Notes
9.13.19	1115					last	
9.13.19	1130					hell	
9.13.19						hell	
9.13.19	1230				-	hell	
9-13-10	1245				-	hell	
9-13-10	100				-	hall	
9-13-1					-	hulk	
9.13.10					-	lu	
9.13.10						hall	
9-13-1	1				\sim	Kall	
9-13-10					-	hell	
9-13-1						that had	
9.13.19	245					Kul	
					1.4		

Month/Yea		Sweepi	ng Area Sweep	ing Area (Check	(if Swept)	Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale	operator signature	Notes
7.16.19	760				-	laulk	
7.16.19	715				-	halk	
7.16.19	730				<u>د</u>	Thulk	
7.16.19	745				-	Kilk	
7-16-19	800					Kull.	
7.16.19	815				-	Kulk	
7-16-19	\$30				-	tul n	
7.16.19					-	Math	
7.16.19					-	hulk	
7.16.19					-	lulh	
7.16.19					-	lant	
7.16.19					-	hall	
7.16.19					-	hill	
7.16.19					-	hall	
7.16.17					-	hill	
7.16.19	1015					LIK .	

Onsite	Fern	Pacific	Dale	Operator Signature	Notes
				lalle lalle lalle lalle	-
				lalle lalle lalle lalle	
				lan lan Lan Lan	
				lin Lin Lin	
				Lin -	
				Lilk	
				lulk	
				helk	
1				111	
				lall	
				Kin	
			~	the p	
		-		hadd	
			*		
			(m		

Month/Yea	ar: † 2019	Sweep	ing Area Sweep	ing Area (Checl	< if Swept)		
Date	Time	Onsite	Fern	Pacific	Dale	Operator Signature	Notes
9.17.19	700					telk	
9-17-19	715					Mulk	
9-17.19	730					lalk	~
9-17-19	745					the K	
9.17.19						that he had	
9.17.19						Mulk	
9.17.19					-	Milk	
9.17.19	845				-	that	
9.17.19	900				-	Kell	
9.17.19					-	Kell	
9.17.19	930				-	Kull Rull	
9-17-19						Rulp	
9.17-19						lule	
9.17.19					-	Kall	
9-17-19	1030				-	KAK	
9-17-19	1045				-	Inn	
9-17.19	1100				-	Kull	

Month/Ye	ar: - <u>2019</u>	Sweepi	ng Area Sweep	ing Area (Check	c if Swept)	Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale		notes
9.17.19	1115	· · · · · ·				hell	
9.17.1	1				-	land	
9.17.1				·		hull	
9-17.19						lun	
9.17.19	1					like	
9.17.1	A MARK					hull	
9.17.19	12.					hula	
9.17.10				1		hulk	
9.17.1						lull	
9.17.1						hut	
9.17.1				-		hill	
9.17.19						that	
9.17.10	1 20					hud	
		-			1		
						3	

Month/Yea	2019	Sweepi	ng Area Sweep	ing Area (Check	if Swept)	Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale		Notes
9-18-19	700					Kin	
9.18-19	75					1-14	
9.18-19	730					light	
9.18.19	745				-	luft	
9.18-19	800		1		-	11/1	
9.18.19	815	1				think	
9.18.19	830				-	12 m	
9.18-19	845					that	
9.18.19	900				-	Marin	
9.18.19					-	1111	
9-18-19	930				-	Rell'	
9.18.19	945					tell	
9.18.19	1000					lak	
9.18.19	1015					Kall	
9.18.19	1030				-	hull hull hull	
9-18-19	1045			-	-	hill	
9-18-19	1100					But	

Month/Year: Sweeping Area Sweeping Area (Check if Swept) Sept 2019 **Operator Signature** Notes Date Time Onsite Pacific Fern Dale 9.18.19 1115 -11 9.18-19 1130 K 9.18.19 1215 K 9.18.19 1230 1245 9-18-19 9.18.19 100 115 9.18.19 130 9.18.19 9-18-19 145 200 9-18-19 215 9-18-19 9-18-19 230 9.18.19 245

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

Month/Yes	ar: Sept	Sweepi	ng Area Sweep	ing Area (Check	; if Swept)	Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale		Notes
9.19.19	700					telle	
9.19.10						lin	
9.19.19	730					Kilk	
9.19.19						KIR	
9.19.19						Malk	
9.19.19					-	Kalk	
9.19.19						Mudth	
9.19.10					-	KIR	
9.19.10					-	MM	
9.19.19	1.5					11-111	
9.19.19						1/1	
9.19.19						Kull	
9.19.19					-	lik	
9.19.19					-	KIR	
9-19-10				· · · · · · · · · · · · · · · · · · ·		that the	
9-19-10	-					thalk	

Month/Year: Sweeping Area Sweeping Area (Check if Swept) Sept 2019 **Operator Signature** Notes Time Date Onsite Fern Pacific Dale 9.19.19 1115 9.19.19 1130 1215 9.19 .19 1230 9.19 .19 1245 9. 10 100 19 9.19 115 .19.19 130 9.19.19 145 200 9.19. 215 19 9.19.19 230 9.19.19 245 4

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

Month/Year Sept		Sweepi	ing Area Sweep	ing Area (Checl	t if Swept)	— Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale		notes
9-20-19	700					hill	-
9.20.19	715				-	hall	
9.20.19	730				-	Kulk	
9.20.19	749					Mulk	
9.20-19	800	-				Kulk	
9.20.19	815					Mulk	
9.20-19	830					Kull	
9-20-19	845				-	Mulp	
9.20.19	900				-	Kulk	
9:20-19	915					Kulk	
9-20-19	930					Kull	
9.20-19	945					hulk	
9.20.19	1000					hull	
9.20.19	1015				_	then	-
9.20-19	1030			/		hall	
9-20-19	1045				-	that	
9-20-19	1100				-	lak	

Month/Year: Sept 2019		Sweepi	ing Area Sweep	ing Area (Checl	On the Simologian	Natas	
Date	Time	Onsite	Fern	Pacific	Dale	 Operator Signature 	Notes
9.20-19	1115					that	
9:20.10					~	Kall	
9:2019						Kull	
9:20.19					~	Malk	
9-20.19	1245				~	Malk	
9:2019	100				-	hull	
9-20-14	115					Han	
9:20.19					-	Kull	
9:20.19						KIN	
9.20.19					-	hill	
9:20-19				4		M	
9:20-19	230					1M	
9:20.19	245					hll	

Month/Year: Supt 2019		Sweep	ing Area Sweep	ing Area (Check	 Operator Signature 	Notos	
Date	Time	Onsite	Fern	Pacific	Dale		Notes
9:23.19	700					KIL	
9-23-19	715				~	111	
9.23.19	730				\sim	1/n	
5.23.19	745				-	1/k	
9-23.19	800				\sim	aln	
9-23.19	813				·	Mull	
9-23-19	830					Rulk	
9-23-19	843					Mark	
9.23.19	900					Kall	
9.23.19	913				~	RM	
9.23.19	930					last	
9-23-19	945	~				RIN	
9-23-19	1000					CIII	
9-23-17						lelle	
9-23-19						1/11	
9-23-19	lour					Rell	
9:23.19	1100					lalle	

Month/Year: Sweeping Area Sweeping Area (Check if Swept) Sept 2019 **Operator Signature** Notes Time Date Onsite Fern Pacific Dale 1115 9.23.19 11 9.23.19 1130 9:23.15 1215 9.23.19 1230 9.23.15 1245 9.23.19 100 9.23.19 115 130 9.23.19 9-23-19 145 200 9.23.19 213 9.23.19 9:23.19 230 9-23-19 245 14

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

Month/Yea		Sweepi	ing Area Sweep	ing Area (Check	(if Swept)	— Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale		Notes
9-24-19	700					thelk	
9.14.19	715					luth	
9.24.19	730					lulk	
9:24.19	745					C.M	
9.24.19	800				-	Mull	
9.24.19	815					Kulk	
9.24.19	830					tull	
9.24.19	845					KIR	
9-24-19	900				-	1/1e	
9.24.19	915					hilk	
9.24.19	930					help	
9-24.19	945					Kln	
9:24.19	1000				-	nn	
9-24.19	1015				-	RIA	
9-24-19	1030					lill	
9-24.19	1045	1			-	hell	
9-24-19	1100	1				hall	

Month/Ye	ar: 2019	Sweep	ing Area Sweep	ing Area (Check	if Swept)	Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale	operator orginatore	
9.241	1115					lell	
9.24.19	1130					hall	
9.24.19						hall	
9.24.K					-	LIR .	
9.24.10						lalk	
9.24.19					-	12/11	
9:24.19					-	that	
9.24.19					-	lall	
9-24-19					-	halk	
9:24.19					-	lulk	
9.24.10			_		-	lelk	
9.24.10					-	hall	
9-24-1	9 245					hell	
		т					

	onth/Year: te Time	1		Sweeping	5 105	1	
Month/\	'ear:	Sweep	ing Area Sweep	ing Area (Check i	f Swept)		
Date	Time	Onsite	Fern	Pacific	Dale	Operator Signature	Notes
1							

Month/Yea		Sweep	ing Area Sweep	ing Area (Check	if Swept)	Operator Signature	Notes
Date	Time	Onsite	Fern	Pacific	Dale		Notes
9.25.19	700					little	
9-25-19	715					hill	
9.25-19	730					1111	
9-25-19	745					Mulk	
9-25-19	800				-	let	
9-25-19	815				\sim	Kul	
9-23-19	830				-	Kuft	
9-23-19						that	
9-23-19				Y		that	
9.23-19				×		that	
9-25-19	930				-	think	
9-23-19	945					that	
9-25-19	1000					lalle	
9.25-19	1015					hall	
9.25.16					-	hill	
9-25-14					-	1/x	
9.25.19	1100				-	that	

Month/Year: Sweeping Area Sweeping Area (Check if Swept) Sept 2019 **Operator Signature** Notes Time Date Onsite Pacific Fern Dale 1115 9.25.19 11 9:25.15 1130 1215 9.25-19 1230 9-25-19 9:25.19 1245 9-25-19 100 1 9:25-19 115 hull 9:25.19 130 hull 9-25-19 1415 A 9-25-19 200 11 925.19 25 n 230 9-25-19 -9-25- 6 245 Sec. 2

Sweeping Log

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

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Month/Yea	r: -2019	Sweep	ing Area Sweep	ing Area (Check	if Swept)		
Date	Time	Onsite	Fern	Pacific	Dale	Operator Signature	Notes
9.26.19	700					halk	
9.26.19	715					laln	
9:26.19						Kall	
9:26:19			1		-	KIR	
9.26.19						hall	
9:26:19					-	Kulp	
9.26.19					-	Kulk	
9.26.19					-	Kulk	
9:26:19						talk	
9-26-19					-	11/k	
9.26.19					-	Rell	
9.26.19						hulk	
9.26.19					-	talk	
9.26.19						lille	
9.26.19					-	hall	
9.26-19						tulk	
9.26.10	1100					Kulk	

all.

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Sweeping Log

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Month/Ye	ear: + 2019	Sweepi	ing Area Sweep	ing Area (Check	if Swept)		2 ⁸⁸ 1
Date	Time	Onsite	Fern	Pacific	Dale	Operator Signature	Notes
9.261	9/115					1.11	
7.26.1						hall	
9.26.19					-	hall	
9:26.1					-	litte	
926.1						lula	
9.26.1						Mull	
4.26.1						hell	
9:26.1						hull	
9.26.1						that the	
9.26.1						that h	
9:26.10						tulk	
9-26-1					-	tall	
9.26.1						Mulk	
9-26-1							
9.26-1							e e e e e e e e e e e e e e e e e e e
9.26.1	9						

Month/Ye	ear: + 2019	Sweep	ing Area Sweep	ing Area (Check	if Swept)	Orante Sin I	
Date	Time	Onsite	Fern	Pacific	Dale	Operator Signature	Notes
9.27.1	5 700					1/11	
9.27.1						1.M	÷
9-27-1	9 730				-	hall	
9:27:1	9 745					RIA	
9.27.1	9 800					1/1	
9.27.10	\$ 815					Rell	
9:27.1	5 830					1/1	
9:27.1						Mall	
9.27.10						hell	
9.27.19	915					RIL	
9:27.1						Malp	
9:27-1						KIK	
9.27.1						hell	
9.27.1	,				-	lill	
9271					-	hill	
9.27.1						lall	
9-27.10	1100					hell	

Month/Year: Sweeping Area Sweeping Area (Check if Swept) Sept 2019 **Operator Signature** Notes Time Date Onsite Pacific Fern Dale 9.27.15 1115 1130 9.27.19 1215 15 9.2 1230 9 15 1245 G 100 S 9.27.19 115 9.27.19 130 9.27.19 145 200 9-27-19 9 27-15 215 230 9-27-19 245 9.27.19

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

Month/Year: Sweeping Area Sweeping Area (Check if Swept) Sept 2019 **Operator Signature** Notes Time Date Onsite Pacific Fern Dale 700 9-30-19 Il 9.30-19 715 9.30.19 730 9-30-19 745 800 9-30-19 815 9.30.15 9.30.19 830 9-30.19 845 9.30.19 900 9.30.19 915 9.30.19 930 9415 9-30-19 9-30-19 1000 9-30.19 1015 9-30.19 1030 9.30.19 1045 .30.19 1100

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

Month/Year: Sweeping Area Sweeping Area (Check if Swept) Supt 2019 **Operator Signature** Notes Time Date Onsite Fern Pacific Dale 1115 9.30.19 9.30.19 1130 9.30.19 1215 9.30.19 1230 9.30.19 1245 9-30-19 100 9-30-19 115 9-30-19 130 145 9-30-19 200 9:30.19 215 9-30-19 9-30-19 230 245 9.30.19

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

				Sweepin	g Log		
Month/Yea	r: m DEIL 19	Sweep	ing Area Sweer	bing Area (Check i	f Swept)		
Date	Time	Onsite	Fern	Pacific	Dale	Operator Signature	Notes
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9-4-28	1:45 pm			<u> </u>		Suchas Kanh	
9-5-19	1:200		<u> </u>	V	<u> </u>	Restant	
9-6-19	2:05 pm			~		hours	
9-8-19	1:30pm					adalant	
9-9-19	1:29pm		V	~	· · · · ·	and find	
9-10-19	1.45 pm		V			Junhan Fred	
7-11-19	1:45 214		V	V		land line	
9-12-19	1:30 pm		V			li balland	
7-16-19	2:05 pm					Autor lad	
2-17-19	1.35 par		V	N		hala buil	
9-18-19	1:50 pm		· · · · · · · · · · · · · · · · · · ·		/	achar lange	
7-19-19	1:00pm					handler V	
1-20-19	1:45 phm		\checkmark	4		June ture	
1-23-19	1:45 pm			C		Ruffit	
1-24-19	1:45 pm		~	~		Cafe land	
1-25-19	1:50 pm			~		Australia	

	Air Qua	ality Constructio	n Mitigation P	lan for the Stant	on Energy Reli	ability Center Project (16-AFC-	01C)	5 8 92 - 1 	
				Sweeping	g Log			·" ,	4 q.
Month/Ye	ar:	Sweepir	ng Area Sweep	ing Area (Check i	f Swept)			14 - 1	
Date	Time	Onsite	Fern	Pacific	Dale	Operator Signature	Notes	•*	100 100 - 100 - 100 100 - 100 - 100 - 100
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Appendix B Documentation of AQ-SC5 Compliance

						Equi	pment					Engine								
<u>Date</u> <u>Arrived</u>	<u>Date</u> <u>Removed</u>	<u>CARB ID</u> <u>6 digit</u> <u>(EIN)</u>	SERC ID	Manufacturer	Model/Description	Model Year	Serial Number	<u>Owner</u>	<u>Renter</u>	<u>Manufacturer</u>	Engine Family	Engine Model	Displacement (L)	Model Year	Serial Number	<u>Diesel</u> (hp)	<u>Tier</u>	Engine Certification on File	Compliance Tag	Notes
2/4/2019	onsite	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	lsuzu	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	onsite	BX3T54	SERC_003	CASE	580 SN - BackHoe	2014	JJ6N585NLECT05659	D+S BACKHOE SERVICE	N/A	FPT INDUSTRIAL	EFPX034DD	FSHFL4ADD	207 CU IN	2014	215914	97	T4	u-r-015-0283	Green tag issued 02/19/2019	
2/20/2019	4/25/2019	UG9N98	SERC_005	САТ	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	YS5A98	SERC_006	САТ	56S - 84" roller	2014	L8H00587	Ortiz	Ortiz	CAT	DPKXL04.4MI1	C4.4	NA	2013	C7N11131	156.9	41	NA	Green tag issued 02/27/2019	NRCI data https://www.epa.gov/compliance- and-fuel-economy-data/annual-certification-
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	
2/27/2019	5/6/2019	DL9A58	SERC_009	Link-Belt	490X4	2017	LBX490Q7NGHEX1139	Lalonde	Ortiz	Isuzu Motors Limited	GSZXL09.8QXA	6UZ1	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	41	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	TFS00270	Ortiz	Ortiz	CAT	BCPXL09.3HPA	C9.3	9.3	2011	MME03431	274	41	u-r-001-0409	Green Tag issued on 3/15/2019	
3/20/2019	3/25/2019	YJ4K66	SERC_014	JLG	Forklift - 54'	2014	160057617	Sunstate	ARB	Cummins	DCEXL04.5AAE	QSB\$.5	4.5	2014	73617640	130	41	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	Received notification equipment left site 9/2/2019.
3/22/2019	onsite	SF7A56	SERC 016	САТ	Rough Terrain Forklift	2012	KDE00312	ARB	ARB	Perkins Engine Company	CPKXL04.4MK1	C4.4	4.4	2012	44800893	125	41	u-r-022-0176-1	Green Tag issued on 3/22/2019	Formerly SERC_012 (was removedon 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	Onsite	JW5N58	SERC_018	Genie	5K Reach Fork	2015	10366180	United Rentals	Newtron	Deutz AG	FDZXI02.9020	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	0 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	Onsite	WK9J63	SERC_024	Deere	210l 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	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 7/26/2019	Removed from on date green tag was issued.
8/7/2019	Onsite	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	41	u-r-002-0006-1	Blue Tag Issued 8/14/2019	Removed from Site 8/27/2019. Green tag not issued
8/27/2019	Onsite	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	Onsite	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	Onsite	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 (AQCMM) on 9/3/2019.
9/10/2019	Onsite	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	E7B00723		4		Blue Tag Issued 9/13/2019	Removed from site 9/18/2019. Green tag not issued
9/16/2019	Onsite	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	Onsite	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	

SERC Offroad Diesel Equipment Inventory September 2019



1999 Bryan Street, Suite 1200 Dallas, Texas 75201 United States T +1.214.638.0145 F +1.214.638.0447 www.jacobs.com

John Heiser, CMP California Energy Commission 1516 Ninth Street Sacramento, CA 95814

September 3, 2019

Subject: Using a Tier 2 Equipment at Stanton Energy Reliability Center Construction Site

Mr. Heiser:

ARB Inc. (ARB) is planning to use a Manitowoc 999 crane that has a Tier 2 engine to help complete the Heavy Crane Scope of Work at the Stanton Energy Reliability Center construction site. The equipment will be used onsite through mid to late December.

Manitowoc 999 is a specialized piece of equipment that is necessary for the project to lift and place the heavy equipment onsite. Based on site restraints with tail swing, width of crane base and maneuverability, there are no other cranes that would fit the project needs for this particular jobsite. ARB demonstrated that the Tier 2 is the highest tier of the engine offered for the specified equipment, and there is no known retrofit available for this engine model. Documentation of ARB's searching for the equipment with higher tier engine and the correspondence with the vendors is attached.

This letter certifies that a good faith effort was made by ARB to meet the equipment requirements as defined in Conditions of Certification AQ-SC-5, and the use of Tier 2 with retrofit or higher tier engine is not practical for the specified equipment. As such, using of the Manitowoc 999 complies with AQ-SC-5 requirements.

Should you have any questions, please feel free to contact me at 949-224-7995 or hong.zhuang@jacobs.com.

Regards,

Hong 2hnam

Hong Zhuang AQCMM



Equipment Letter

Project Name:Stanton Energy Reliability CenterClient:W Power, LLC.Project No.:14361421Date:August 28, 2019Location:Stanton, Ca

SUBJECT: TIER RELIEF REQUEST

Mr. Bofman,

ARB, Inc. has recently rented a piece of equipment to help complete the Heavy Crane Scope of Work onsite at the Stanton Energy Reliability Center. The piece of equipment that was selected is a Manitowoc 999. This is a specialized piece of equipment that will help lift and place all of the heavy equipment onsite. The crane is capable of lifting 250 Tons. The timeframe expected onsite is an arrival on August 31st, 2019 and will be expected to leave by mid to late December.

Equipment Name	Manitowoc 999
Date of Arrival	8/31/2019
Date of Removal	TBD
CARB ID (6 digit, AB1C23)	TX5P83
Equipment S/N	9991103
Engine Manufacturer	CUMMINS
Engine Family	2CEXL0661AAF
Engine Model	QSM11
Engine Displacement	11.00
Engine Model Year	2008
Engine S/N	35055789
Engine Horsepower	350
Engine Tier	2
Owner	Maxim Crane Works
Renter	ARB, Inc.

This crane never been produced as a Tier 4 piece of equipment and due to the limited production quantity each year and amount of machines owned, only a Tier 2 is available. ARB is submitting this piece of equipment for Tier Relief.

Based on site restraints with tail swing, width of crane base and maneuverability, there are no other cranes that ARB would be able to utilize for this particular jobsite. The project is very narrow which only allows only a small staging and lifting area at each unit. We are also constrained by power lines on three sides of the property. In order to keep the crane opposite of the power lines, we are proposing the Manitowoc 999. A conventional truck crane has a very wide and long base and would not allow for a close enough placement to the foundation, nor would it allow the heavy haul trucking to pull up beside the crane. A conventional truck crane (lattice boom or hydro) is approximately 5'-0" wider and over 20'-0" longer than the Manitowoc 999. Those options are not feasible for this location. Also, there is no known retrofit equipment available for this piece of equipment that we are aware of.

From the attached lift plan (MCW - SERC_TURBINE ROOM_CRITICAL LIFT PLAN_REV 0) and crane chart (999-Product-Guide), it is visually shown what kind of area onsite is available. We have shown the trucking alongside the crane as well.

Thank you for your consideration,

Digitally signed by Nick Tasich DN: C=US, E=NTasich@prim.com, O="ARB, Inc. ", OU=Industrial, CN=Nick Tasich Reason: I am approving this document Date: 2019.09.03 06:23:57-07'00'

Nick Tasich Sr. Project Engineer ARB, Inc. 26000 Commercentre Drive Lake Forest, CA 92630 310.874.9612

Californi	а Елгіголт	ental Protection /	Agency	
AIR	RESO	URCES	BOAR	D

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL ENGINE FAMILY DISPLACEMENT (liters)		FUEL TYPE	USEFUL LIFE (hours)	
2002	2CEXL0661AAC	10.8	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS Direct Diesel Injection, Turbocharger, Charge Air Cooler, Engine Control Module		TYPICAL EQUIPMENT APPLICATION		
		er, Charge Air Cooler, odule	Crane, Loaders, Co	ompressor

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED EMISSION POWER STANDARD			EXHAUST (g/kw-hr)			OPACITY (%)				
CLASS	CATEGORY		НС	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
225 <u><</u> KW < 450	Tier 2	STD	N/A	N/A	6.4	3.5	0.20	20	15	50
		FEL	N/A	N/A	6.2	N/A	0.14	N/A	N/A	N/A
		CERT			5.6	0.8	0.11	11	1	20

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this

day of December 2001.

field

R. B. Summerfield, Chief
 Mobile Source Operations Division

Engine Model ' mmary Form

11-R-002-0144

Manufacturer: Cummins Inc. Engine category: Nonroad Over 50 EPA Engine Famly. 2CEXL0661AAC Mfr Family Name: C353 Process Code: New Submission

ZEROFFTABIL CALONIC ASCOLOGIO ZAS ISAN ISAN <thisan< th=""> ISAN ISAN<th>1.Engine Code</th><th>2.Engine Model</th><th>3.DI IP@RPM (SAE Gross)</th><th>4.Fuel Rate: mrvstroke @ peak HP (for diese! only)</th><th>5.Fuel Rate: (bs/hr) @ peak 1tP (for diesels only)</th><th>6.Torque @ APM (SEA Gross)</th><th>7.Fuel Rate; mm/stroke@peak torque</th><th>8.Fuel Rate: ([bs/lıt)@peak torque</th><th>9.Emission Control Device Per SAE J1930</th></thisan<>	1.Engine Code	2.Engine Model	3.DI IP@RPM (SAE Gross)	4.Fuel Rate: mrvstroke @ peak HP (for diese! only)	5.Fuel Rate: (bs/hr) @ peak 1tP (for diesels only)	6.Torque @ APM (SEA Gross)	7.Fuel Rate; mm/stroke@peak torque	8.Fuel Rate: ([bs/lıt)@peak torque	9.Emission Control Device Per SAE J1930
CSMI1-C 400@1800 217 132.0 1400@1400 261 122.0 CSM11-C 400@2100 165 131.2 1560@1400 253 122.5 CSM11-C 400@2100 177 123.1 1560@1400 253 122.5 CSM11-C 300@2100 177 123.1 156.00 253 122.5 CSM11-C 300@2100 177 123.1 156.00 253 122.5 CSM11-C 300@2100 194 177 131.4 1400@1400 253 122.5 CSM11-C 356@1800 294 134.4 1400@1400 253 122.5 CSM11-C 356@2000 171 117.3 1360@1400 255 122.5 CSM11-C 356@2000 171 117.3 1360@1400 253 122.5 CSM11-C 356@2000 171 117.3 1360@1400 253 122.5 CSM11-C 356@2000 173 141.6 1100@1400 253 122.5	2829:FR2918	OSM11-C	425@1800	228	138.4	1450@1300	266		- 63
CGMI1-G 330@2100 165 131.2 126@1400 237 112.5 05M11-G 300@2100 197 133.3 1400@1400 559 122.5 05M11-G 350@2100 177 135.1 130.0 100 11.8 05M11-G 350@2100 1100 134.4 1400@1400 259 122.5 05M11-G 350@1600 190 134.4 1400@1400 259 122.5 05M11-G 356@1600 190 134.4 1400@1400 259 122.5 05M11-G 356@1600 190 134.4 1400@1400 259 122.5 05M11-G 356@2100 118 177.3 1300@1400 259 122.5 05M11-G 356@2100 118 177.3 1300@1400 259 122.5 05M11-G 375@2100 178 1400@1400 259 122.5 05M11-G 375@2100 178 1400@1400 259 122.5 05M11-G 374	2829:FR2952	QSM11-C	400@1800	217	132.0	1400@1400	261	<u>, 18</u> .	<u> </u>
0 CSM11-C 400@2100 197 133.3 1400@1400 253 122.5 0 35M11-C 350@2100 177 125.1 1400@1400 253 116.7 0 35M11-C 350@2100 177 125.1 1350@1400 253 122.5 0 35M11-C 350@2100 190 134.4 1400@1400 253 122.5 0 35M11-C 350@2100 191 117.9 1400@1400 253 122.5 0 35M11-C 3550@2100 104 17.3 1300@1400 253 122.5 0 35M11-C 3550@2000 118.6 131.6 1310@1400 253 122.5 0 35M11-C 3550@2000 118.6 134.4 1400@1400 253 122.5 0 35M11-C 3550@2100 134.1 1400@1400 253 122.5 0 35M11-C 3550@2100 134.4 1400@1400 253 122.5 0 <t< td=""><td>2829:FR2947</td><td>QSM11-C</td><td>390@2100</td><td>185</td><td>131.2</td><td>1264@1400</td><td>237</td><td>112 0</td><td></td></t<>	2829:FR2947	QSM11-C	390@2100	185	131.2	1264@1400	237	112 0	
CSMI1-C 375@2000 171 125.1 1400@1400 253 125.5 0SMI1-C 360@2100 172 121.7 1350@1400 253 118.7 0SM11-C 360@2100 172 121.7 1350@1400 253 125.5 0SM11-C 360@2100 190 114.4 1400@1400 259 122.5 0SM11-C 360@1800 194 117.9 126.5 122.5 122.5 0SM11-C 356@2100 128 1400@1400 259 122.5 122.5 0SM11-C 356@2100 168 113.6 130.0@1400 259 122.5 0SM11-C 356@2100 168 113.6 130.0@1400 259 122.5 0SM11-C 356@2000 168 113.6 130.0@1400 259 122.5 0SM11-C 356@2100 151 1400@1400 259 122.5 122.5 0SM11-C 376@2100 151 133.4 1400@1400 259 122.5 122.5<	2829:FR2929	QSM11-C	400@2100	197	139,3	1400@1400	259	122 5	
0 CGSM11-C 360@2100 172 121.7 1350@1400 251 113.7 0.5SM11-C 400@2100 190 134.4 1400@1400 253 122.5 0.5SM11-C 400@2100 190 134.4 1400@1400 253 122.5 0.5SM11-C 990@1800 104 117.9 1260@1400 253 122.5 0.5SM11-C 356@2100 104 117.9 1260@1400 259 122.5 0.5SM11-C 356@2100 168 118.6 131.0 130.0@1400 259 122.5 0.5SM11-C 375@2100 168 156.4 1400@1400 259 122.5 122.5 0.5SM11-C 375@2100 157 133.1 1400@1400 259 122.5 <t< td=""><td>2829:FR2925</td><td>QSM11-C</td><td>375@2000</td><td>177</td><td>125.1</td><td>1400@1400</td><td>259</td><td>122.5</td><td></td></t<>	2829:FR2925	QSM11-C	375@2000	177	125.1	1400@1400	259	122.5	
GSMI1-C 400@2100 190 134.4 1400@1400 253 122.5 GSMI1-C 400@2100 190 134.4 1400@1400 253 122.5 GSMI1-C 385@1800 194 117.9 126.3 1400@1400 259 122.5 GSMI1-C 385@1800 174 117.3 1390@1400 259 122.5 GSM11-C 385@2100 168 111.8.6 1310@1400 259 122.5 GSM11-C 355@2100 168 113.6 1310@1400 259 122.5 GSM11-C 355@2100 179 126.4 1400@1400 259 122.5 GSM11-C 355@2100 179 133.1 1400@1400 259 122.5 GSM11-C 375@2100 179 133.1 1400@1400 259 122.5 GSM11-C 375@2100 179 133.1 1400@1400 259 122.5 GSM11-C 376@2100 179 133.1 1400@1400 259 122.5	2829:FR2922	QSM11-C	360@2100	172	121.7	1350@1400	251	118.7	
CSMI1-C 400@2100 194 117.9 126.0 122.5 122.5 CSMI1-C 385@1800 194 117.9 126.3 123.7 111.7 CSMI1-C 385@1800 194 117.3 1380@1400 259 122.5 CSM11-C 385@1800 174 117.3 1380@1400 256 121.0 CSM11-C 350@2100 174 117.3 1310@1400 245 121.5 CSM11-C 350@2100 178 125.1 1400@1400 245 125.5 CSM11-C 350@2100 178 126.4 1400@1400 259 122.5 CSM11-C 356@2100 173.1 1400@1400 259 122.5 122.5 CSM11-C 356@2100 173.4 1400@1400 259 122.5 112.5 CSM11-C 356@2100 173.4 1400@1400 259 122.5 122.5 CSM11-C 356@2100 173.4 1400@1400 259 122.5 104.5 <	2829:FR2921	QSM11-CV	400@2100	190	134.4	1400@1400	259	122 5 2	
No. CasMi1-C 590@1600 [10 117.9 1260@1400 259 111.7 CISMI1-C 385@1800 208 126.3 1400@1400 256 121.0 87 CISMI1-C 385@1800 174 111.3 1390@1400 256 121.0 87 CISMI1-C 350@2100 168 118.6 125.1 1400@1400 259 122.5 17 CISMI1-C 350@2100 168 133.1 1400@1400 259 122.5 17 CISMI1-C 375@2100 157 125.6 100 235 122.5 </td <td>2829:FR2912</td> <td>QSM11-C</td> <td>400@2100</td> <td>190</td> <td>134.4</td> <td>1400@1400</td> <td>259</td> <td>100 5</td> <td></td>	2829:FR2912	QSM11-C	400@2100	190	134.4	1400@1400	259	100 5	
QSM11-C 356(010) 206 126.3 1400(1400) 256 122.5 QSM11-C 356(02000) 174 117.3 1390(1400) 256 121.0 QSM11-C 356(0200) 168 118.6 118.6 1310(001400) 259 122.5 QSM11-C 375(0200) 196 125.1 1400(01400) 259 122.5 QSM11-C 375(02100) 191 126.4 1400(01400) 259 122.5 QSM11-C 375(02100) 191 133.4 1400(01400) 259 122.5 QSM11-C 375(02100) 179 134.4 1400(01400) 259 122.5 QSM11-C 375(02100) 155 109.9 1235(01400) 233 122.5 QSM11-C 376(0140) 155 109.9 1235(01400) 236 111.4 QSM11-C 376(0140) 155 109.9 1235(01400) 236 111.4 QSM11-C 376(0140) 155 109.9 1235(01400)	2829:FR2850	QSM11-C	360@1800	194	117.9	1260@1400	237	111 7	
(5%M1-C) 350@2000 (174) (117.3) (1300@1400) 256 (121.0) (5%M1-C) 350@2100 168 113.6 (1300@1400) 259 (12.5) (5%M1-C) 357@2000 168 113.6 (1300@1400) 259 (12.5) (5%M1-C) 375@2100 179 126.1 (1400@1400) 259 (12.5) (5%M1-C) 375@2100 179 126.1 (1400@1400) 259 (12.5) (5%M1-C) 375@2100 179 126.4 (1400@1400) 259 (12.5) (5%M1-C) 375@2100 179 126.4 (1400@1400) 259 (12.5) (5%M1-C) 375@2100 179 126.4 (1400@1400) 259 (12.5) (5%M1-C) 376@2100 179 1235@1400 259 (12.5) (12.5) (5%M1-C) 376@2100 165 109.9 1235@1400 233 (11.6) (5%M1-C) 335@2100 167 106.9 1235@1400 233	2829:FR2849	OSM11-C	385@1800	208	126.3	1400@1400	259	100 E	
OSM11-C 550@2100 168 113.6 113.0@1400 245 115.6 OSM11-C 375@2100 186 125.1 1400@1400 259 122.5 OSM11-C 375@2100 197 133.1 1400@1400 259 122.5 OSM11-C 375@2100 197 133.1 1400@1400 259 122.5 OSM11-C 375@2100 197 133.1 1400@1400 259 122.5 OSM11-C 375@2100 179 126.1 1400@1400 259 122.5 OSM11-C 375@2100 179 126.1 1400@1400 259 122.5 OSM11-C 375@2100 155 109.9 1235@1400 110.2 233 OSM11-C 315@1800 167 101.6 1160@1400 229 104.9 OSM11-C 315@1800 167 101.6 1160@1400 233 101.2 OSM11-C 315@1800 167 101.6 1160@1400 233 101.2	2829:FH2840	QSM11-C	350@2000	174	117.3	1380@1400	256	101.0	
GSM11-C 375@2000 166 125.1 1400@1400 259 122.5 QSM11-C 375@2100 178 126.4 1400@1400 259 122.5 QSM11-C 400@2100 191 133.1 1400@1400 259 122.5 QSM11-C 375@2100 191 134.4 1400@1400 259 122.5 QSM11-C 375@2100 155 109 134.4 1400@1400 259 122.5 QSM11-C 375@2100 155 109.9 124.4 1400@1400 259 122.5 QSM11-C 375@2100 155 109.9 123.56 104.9 223 QSM11-C 375@2100 155 109.9 125.56 104.2 233 QSM11-C 335@2100 155 101.6 1156 101.6 110.2 233 111.4 QSM11-C 335@2100 155 109.9 125.56 104.2 104.2 104.2 QSM11-C 335@2100 155	2829:FR2839	SM11-C	350@2100	0.00 × 168	118.6	1310@1400	245	1100	
GSM11-C 375@2100 178 126.1 1400@1400 259 122.5 QSM11-C 400@2000 197 133.1 1400@1400 259 122.5 QSM11-C 400@2100 197 133.1 1400@1400 259 122.5 QSM11-C 375@2100 179 124 1400@1400 259 122.5 QSM11-C 375@2100 155 109.9 124.4 1400@1400 259 122.5 QSM11-C 330@2100 155 109.9 1235@1400 110 233 QSM11-C 3330@2100 155 109.9 1255@1400 221 104.9 QSM11-C 335@1800 167 101.6 106.9 1255@1400 221 104.2 QSM11-C 335@1800 167 104.9 236 111.4 104.2 QSM11-C 335@2100 156 104.9 256@1400 231 104.2 QSM11-C 335@2100 156 104.9 256@1400 236	2829:FR2837	OSM11-C	375@2000	186	126.1	1400@1400		0.01	
QSM11-C 400@2000 197 133.1 100001400 259 122.5 QSM11-C 400@2100 190 134.4 1400@1400 259 122.5 QSM11-C 375@2100 179 126.1 1400@1400 259 122.5 ASM11-C 375@2100 179 126.1 100.9 123.5 122.5 ASM11-C 330@2100 155 109.9 1235@1400 110 233 ASM11-C 330@2100 167 101.6 110.0001400 222 104.9 ASM11-C 335@1800 167 101.6 1160@1400 223 104.9 ASM11-C 335@2100 155 109.9 1255@1400 236 111.4 ASM11-C 335@2100 155 100.5 111.00 233 111.4 ASM11-C 335@2100 155 100.9 236 111.4 ASM11-C 335@2100 155 109.9 1255@1400 233 111.4 ASM11-C	2829:FR2836	QSM11-C	375@2100	178	126.4	1400@1400	250	1.00	
CSMI1-C 400@2100 101 1400@1400 259 122.5 CSM11-C 375@2100 179 126.4 1400@1400 259 122.5 CSM11-C 330@2100 155 109.9 1235@1400 259 122.5 CSM11-C 330@2100 155 109.9 123561400 259 123.5 CSM11-C 330@2100 155 109.9 123561400 223 104.9 CSM11-C 335@1800 167 101.6 11170@1400 222 104.9 CSM11-C 335@1800 179 106.9 1255601400 223 104.2 CSM11-C 335@1800 179 101.6 1110@1400 221 104.2 CSM11-C 335@1800 179 101.6 12560[400 236 111.4 CSM11-C 335@1800 175 101.6 12550[400 237 111.4 CSM11-C 335@2100 155 109.9 12550[400 237 111.4 CSM11-C </td <td>2829.FR2835</td> <td>OSM11-C</td> <td>400@2000</td> <td>107</td> <td></td> <td></td> <td></td> <td>0.221</td> <td>I C, EC, CAC</td>	2829.FR2835	OSM11-C	400@2000	107				0.221	I C, EC, CAC
Moment ofHouse 100134.41400@1400259122.5 $0SM11-C$ $375@2100$ 179 126.4 $1400@1400$ 259 122.5 $0SM11-C$ $330@2100$ 155 109.9 $1235@1400$ 110 233 $0SM11-C$ $330@2100$ 155 109.9 $1235@1400$ 210 233 $0SM11-C$ $330@2100$ 155 109.9 $1235@1400$ 222 104.9 $0SM11-C$ $315@1800$ 167 101.6 $1106@1400$ 222 104.9 $0SM11-C$ $335@1800$ 179 104.9 $1255@1400$ 236 111.4 $0SM11-C$ $335@1800$ 179 104.9 $1265@1400$ 236 111.4 $0SM11-C$ $335@1200$ 155 104.9 $1265@1400$ 236 111.4 $0SM11-C$ $330@2100$ 155 109.9 $1256@1400$ 236 111.4 $0SM11-C$ $330@22100$ 155 109.9 $1256@1400$ 236 111.4 $0SM11-C$ $3356@2100$ 156 109.9 $1226@1400$ 236 111.4 $0SM11-C$ $3356@2100$ 158 109.9 $1236@1400$ 236 111.4 $0SM11-C$ $3356@2100$ 158 109.9 109.9 236 111.4 $0SM11-C$ $3356@2100$ 158 109.9 $1256@1400$ 236 111.4 $0SM11-C$ $3356@2100$ 158 109.9 1075 236 111.4 $0SM11-C$ $3356@2100$ 158	2820-EE2824		10000100		1.001 1.001	1400@1400	259	122.5	TC,EC,CAC
Weight in the second of the second in the second	500011 115000		400/wz 100	190	134.4	1400@1400	259	122.5	TC,EC,CAC
QSM11-C 330@2100 155 109.9 1235@1400 110 233 QSM11-C 330@2100 155 109.9 1170@1400 222 104.9 QSM11-C 315@18000 167 101.6 11160@1400 221 104.9 QSM11-C 315@18000 167 101.6 101.6 1160@1400 221 104.2 QSM11-C 335@1800 156 104.9 1255@1400 236 111.4 QSM11-C 335@2100 156 104.9 1256@1400 236 97.4 QSM11-C 330@2100 155 109.9 1075601400 236 111.4 QSM11-C 335@2100 155 109.9 1255@1400 236 111.4 QSM11-C 335@22000 163 1075601400 236 111.4 7 QSM11-C 3356@22000 163 109.9 12350@1400 236 111.4 7 QSM11-C 3356@2100 150 109.9 109.9 12556@1400	2829:FHZ323	USM11-C	375@2100	179	126.4	1400@1400	259	122.5	TC.EC.CAC
QSM11-C 330@2100 155 109.9 1170@1400 222 104.9 QSM11-C 315@1800 167 101.6 1160@1400 221 104.2 QSM11-C 335@1800 179 108.5 1255@1400 236 111.4 QSM11-C 335@1800 156 104.9 1265@1400 236 111.4 QSM11-C 320@2100 155 109.9 1265@1400 237 111.8 QSM11-C 330@2100 155 109.9 1075@1400 233 109.9 QSM11-C 335@2100 155 109.9 1235@1400 236 116.2 QSM11-C 335@2100 155 109.9 1235@1400 236 116.4 QSM11-C 3356@2100 155 109.9 12320@1400 236 116.4 QSM11-C 3356@2100 156 109.9 12320@1400 236 116.4 QSM11-C 3356@2100 156 109.9 12320@1400 236 116.4	2828:FR2926	QSM11-C	330@2100	155	109.9	1235@1400	110	233	TO FO CAC
GSM11-C 315@1800 167 101.6 1160@1400 221 104.2 CSM11-C 335@1800 179 108.5 1255@1400 236 111.4 CSM11-C 335@1800 156 104.9 1266@1400 237 111.4 CSM11-C 330@2100 155 109.9 1266@1400 237 111.8 CSM11-C 330@2100 155 109.9 1075@1400 236 111.8 CSM11-C 335@2100 155 109.9 12256@1400 236 111.8 CSM11-C 335@2100 155 109.9 1220@1400 236 111.4 CSM11-C 335@2100 158 1,11.6 12256@1400 236 1,11.4 CSM11-C 335@2100 158 1,11.6 1,255@1400 236 1,11.4 CSM11-C 335@2100 158 1,11.6 1,255@1400 236 1,11.4 CSM11-C 335@2100 158 1,11.6 1,2556@1400 236 1,11.4 <	2828:FR2859	OSM11-C	330@2100	155	109.9	1170@1400	222	104.9	TOFOCAC
CSM11-C 335@1800 179 108.5 1255@1400 236 111.4 CSM11-C 320@2000 156 104.9 1260@1400 237 111.8 CSM11-C 320@2100 155 109.9 1075@1400 206 97.4 CSM11-C 330@2100 155 109.9 1075@1400 206 97.4 CSM11-C 330@2100 155 109.9 1255@1400 236 1162 CSM11-C 3356@2000 155 109.9 1235@1400 236 1162 CSM11-C 3356@2100 158 111.6 1235@1400 236 111.4 CSM11-C 3356@2100 158 111.6 1255@1400 236 111.4 CSM11-C 3356@2100 158 111.6 1255@1400 236 111.4 CSM11-C 3356@2100 158 111.6 12556@1400 236 111.4 CSM11-C 3356@2100 158 105.9 12656@1400 236 111.4 <	2828;FR2852	QSM11-C	315@1800	167	101.6	1160@1400	221	104.2	TOFOCAC
GSM11-C 320@2000 156 104.9 1260@1400 237 111.8 GSM11-C 330@2100 155 109.9 1075@1400 237 111.8 GSM11-C 330@2100 155 109.9 1075@1400 206 97.4 GSM11-C 335@2100 155 109.9 1235@1400 233 109.9 GSM11-C 335@2100 163 109.9 1320@1400 236 111.4 GSM11-C 335@2100 158 111.6 1255@1400 236 111.4 GSM11-C 335@2100 158 111.6 1255@1400 236 111.4 OSM11-C 335@2100 158 111.6 1255@1400 236 111.4 OSM11-C 335@2100 150 105.9 105.9 1400 236 111.4 OSM11-C 315.6 105.9 105.9 105.9 105.9 140.6 111.4 OSM11-C 315.6 105.9 105.9 105.9 105.9	2828:FR2851	QSM11-C	335@1800	179	108.5	1255@1400	236	111 2	
QSM11-C 330@2100 155 103.9 1075@1400 206 97.4 QSM11-C 330@2100 155 109.9 1235@1400 233 109.9 7 QSM11-C 3356@2000 155 109.9 1320@1400 236 1116 7 QSM11-C 3356@2100 158 111.6 1226@1400 236 111.4 7 QSM11-C 3356@2100 150 105.9 105.9 1226@1400 236 111.4 7 QSM11-C 3156@2100 150 105.9 105.9 105.9 111.4 7 7	2828:FR2845	QSM11-C	320@2000	156	104.9	1260@1400	237	111.0	
QSM11-C 330@2100 155 109.9 1235@1400 233 109.9 COSM11-C 3356@2000 163 109.9 1320@1400 236 111.6 1320@1400 246 111.4 7 COSM11-C 3356@2100 158 111.6 1255@1400 236 111.4 7 COSM11-C 3356@2100 150 105.9 105.9 105.9 236 111.4 7 COSM11-C 3156@2100 150 105.9 105.9 105.9 105.9 70.4 7	2828:FH2844	OSM11-C	330@2100		103.9	1075@1400	206	P.26	
QSM11-C 335@2000 163 109.9 1320@1400 246 116.2 I QSM11-C 335@2100 158 111.6 1255@1400 236 111.4 1 I QSM11-C 315@2100 150 105.9 105.9 1255@1400 236 111.4 1 1 I QSM11-C 3156@2100 150 105.9 105.9 105.9 111.4 1	2828:FR2843	SQSM11-C	330@2100	155	109.9	1235@1400	233	109.9	TCFCCAC
ດSM11-C 335@2100 158 111.6 1255@1400 236 111.4 / 1 7 ດSM11-C 315@2100 150 105.9 105.9 1286@1400 1 24.3 33 111.4 / 1	2828:FR2842	OSM11-C	335@2000	163	109.9	1320@1400	246	1162	
ດSM11-C 315@2100 150 150 105.9 105.9 20.00 105.9 20.00 105.9 20.00 105.00 100.00 100.00 20.00 20.00 20.00 20.00	2828:FR2841	QSM1-C	335@2100	158	111.6	1255@1400	. 236	111.4	TCFCCAC
	2828:FR2057	QSM11-C	315@2100	150	105.9 ⁻	118ທີ່ລາມກາ	104.3	रम : /	TC,EC,CAC

Dennis Collins

From: Sent: To: Subject: Kevin Sandoval <Dispatch@bhccrane.com> Wednesday, August 28, 2019 3:42 PM Dennis Collins RE: Crane Request [EXTERNAL]

Dennis

Unfortunately BHC does not have a Tier 4 999 available to assist you at this time Thank you for the opportunity

From: Dennis Collins <DCollins@maximcrane.com> Sent: Wednesday, August 28, 2019 1:42 PM To: Kevin Sandoval <Dispatch@bhccrane.com> Subject: Crane Request

Hey Kevin,

I have a job that requires a Tier 4 999 for immediate work, do you have a Tier 4 999 available? Thank you.

Dennis Collins Maxim Crane Works Operations & Branch Manager-Southern California Region "Semper Fi"

Phones Long Beach: (562) Fax: (562 Cell: (760

(562) 989-5709 (562) 595-7665 (760) 214-3347



Click link below to view the Maxim Crane Works brochure http://www.maximcrane.com

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http://www.maximcrane.com

Dennis Collins

From: Sent: To: Subject: Robert Ruvalcaba <Robert@mrcrane.com> Wednesday, August 28, 2019 1:38 PM Dennis Collins RE: Crane Request [EXTERNAL]

Hi Dennis,

Thank you reaching out, but we do not have any Tier 4 cranes available anytime soon.



Robert Ruvalcaba Mr. Crane, Inc. 647 N. Hariton St. Orange, California 92868 Cell: (714) 363-1478 Direct: (714) 221-7194 <u>www.mrcrane.com</u> f 0 in y

"Your Total Crane Solutions Provider"

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From: Dennis Collins <DCollins@maximcrane.com> Sent: Wednesday, August 28, 2019 1:31 PM To: Robert Ruvalcaba <Robert@mrcrane.com> Subject: Crane Request

Hey Robert,

I hope all is well. Do you have a Tier 4 999 Crawler crane available for immediate work? Please let me know, thank you.

Dennis Collins Maxim Crane Works Operations & Branch Manager-Southern California Region

Dennis Collins

From:	Champion Crane Rental, Inc. < championcr@aol.com>
	Wednesday, August 28, 2019 3:28 PM
То:	Dennis Collins
Subject:	Re: Tier 4 999 Needed [EXTERNAL]

Dennis,

Unfortunately we do not have a triple 9 in our inventory with a tier four motor.

Regards,

Mike Konle, President Champion Crane Rental, Inc. Spuds Crane Service, Inc. 12521 Branford St. Pacoima, CA 91331 Tel: 818-781-3497 Fax: 818-896-6202 Email: <u>Championcr@aol.com</u> Website: www.championcrane.us

Note: Crane service cannot be scheduled or canceled by email. Please call the office for assistance In a message dated 8/28/2019 3:25:59 PM Pacific Standard Time, DCollins@maximcrane.com writes:

Good afternoon Mike,

Do you have a Tier 4 999 crawler crane available for immediate work. Your assistance is greatly appreciated, thank you.

Dennis Collins Maxim Crane Works Operations & Branch Manager-Southern California Region

"Semper Fi"

Phones	
Long Beach:	(562) 989-5709
Fax:	(562) 595-7665
Cell:	(760) 214-3347

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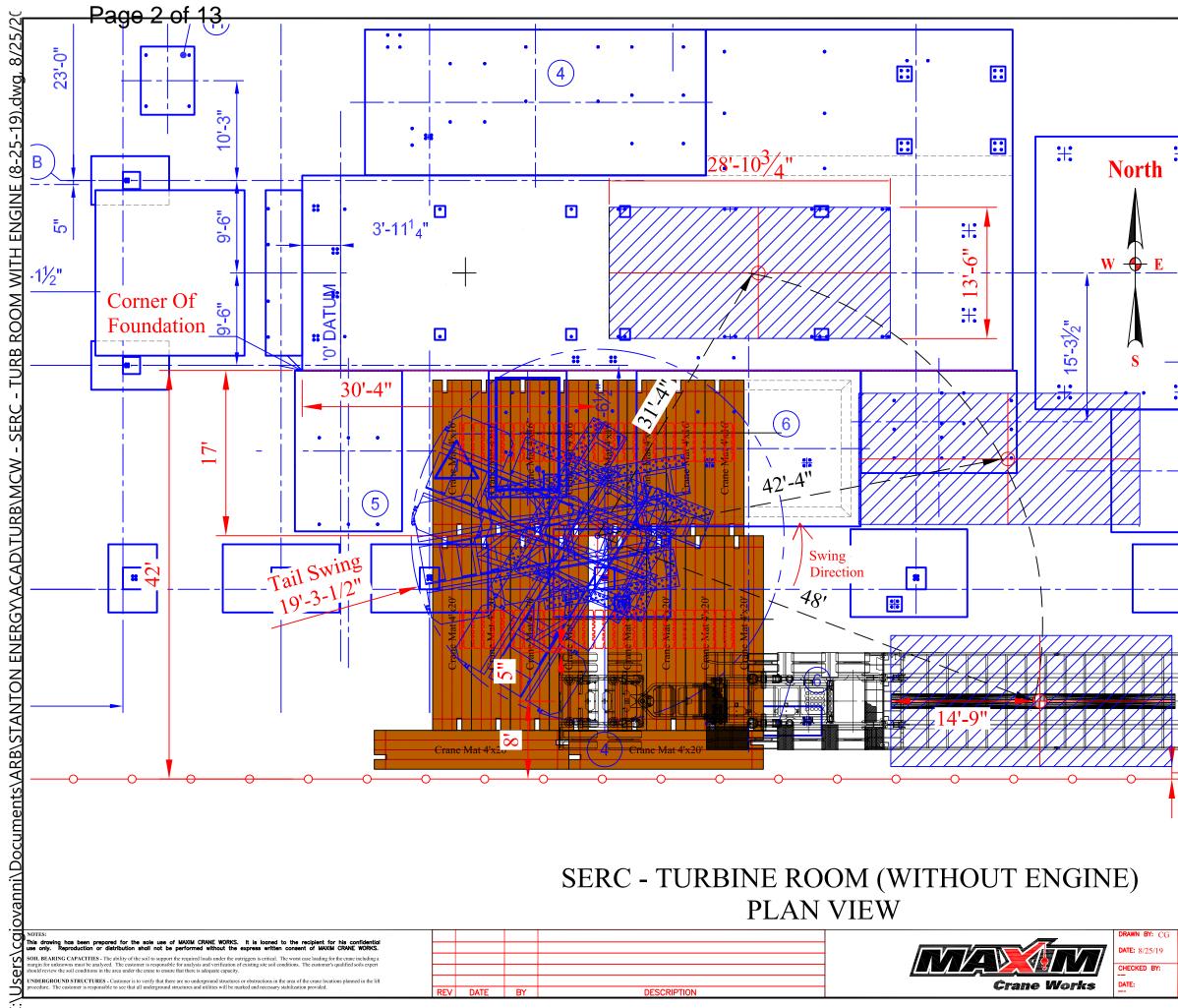
CRITICAL LIFT PLAN

PROJECT NAME:	STANTON ENERGY RELIABILITY CENTER
CUSTOMER:	ARB
DESCRIPTION:	TURBINE ROOM LIFT
REVISION/DATE	Rev 0 8/26/19

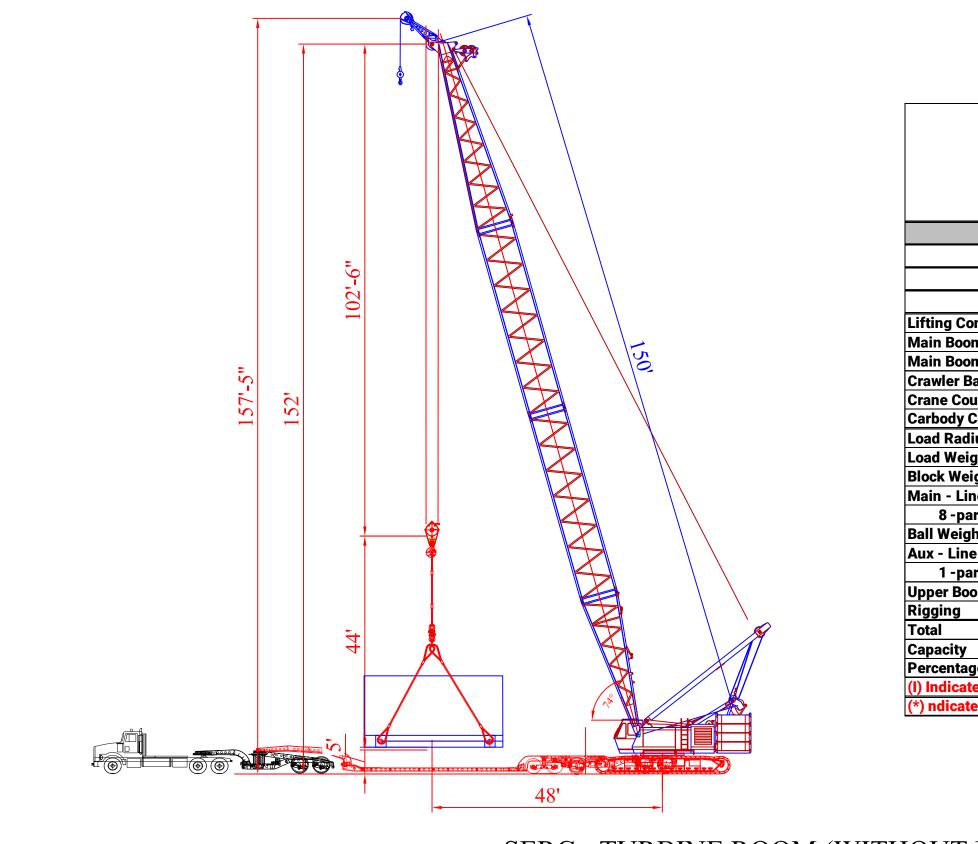
SUMMARY: UTILIZE THE MANITOWOC 999 CRAWLER CRANE TO LIFT THE TURBINE ROOM FROM THE HEAVY HAUL TRANSPORT TRAILER, SWING NORTH 180° AND SET IT ON IT'S PERMANENT FOUNDATION. LIFTING FROM THE TRAILER IS THE LONGEST RADIUS.

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1.	COVER PAGE	PAGE	1
2.	MAXIM DRAWINGS	PAGE	2-4
3.	CRANE INFO; COVER PAGE, RANGE DIAGRAM, DIMENSIONS &	LOAD CH	<u>IART</u>
		PAGE	<u>5-8</u>
4.	RIGGING INFO	PAGE	9-1 <u>3</u>



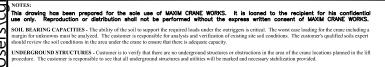
:+:		
	1 **	
	∷ 3'-5"	
+		
•		
	· · · · · · · · · · · · · · · · · · ·	
[
T	JRBINE ROOM (NO ENGINE) PROJECT NO. PLAN VIEW	
	RB Sheet: FANTON ENERGY RELIABILITY CENTER MCW-101	Size REV
1 - 1		0



Charlie Giovanni | \ <u>C: 949.505.2059</u> LIF1 ARB SERC 8/19/2019 Lifting Configuration Main Boom Length Main Boom Angle Crawler Base/Outrigger Crane Counterweight Carbody Counterweight Load Radius Load Weight **Block Weight** Main - Line Fall Deduct 8 -part 2.13 Lbs/ft Ball Weight Aux - Line Fall Deduct 1 -part 2.13 Lbs/ft **Upper Boom Point** Percentage of Capacity (I) Indicates Interpolated Capaci (*) ndicates Capacity @ Next Hig

SERC - TURBINE ROOM (WITHOUT ENGINE) ELEV VIEW

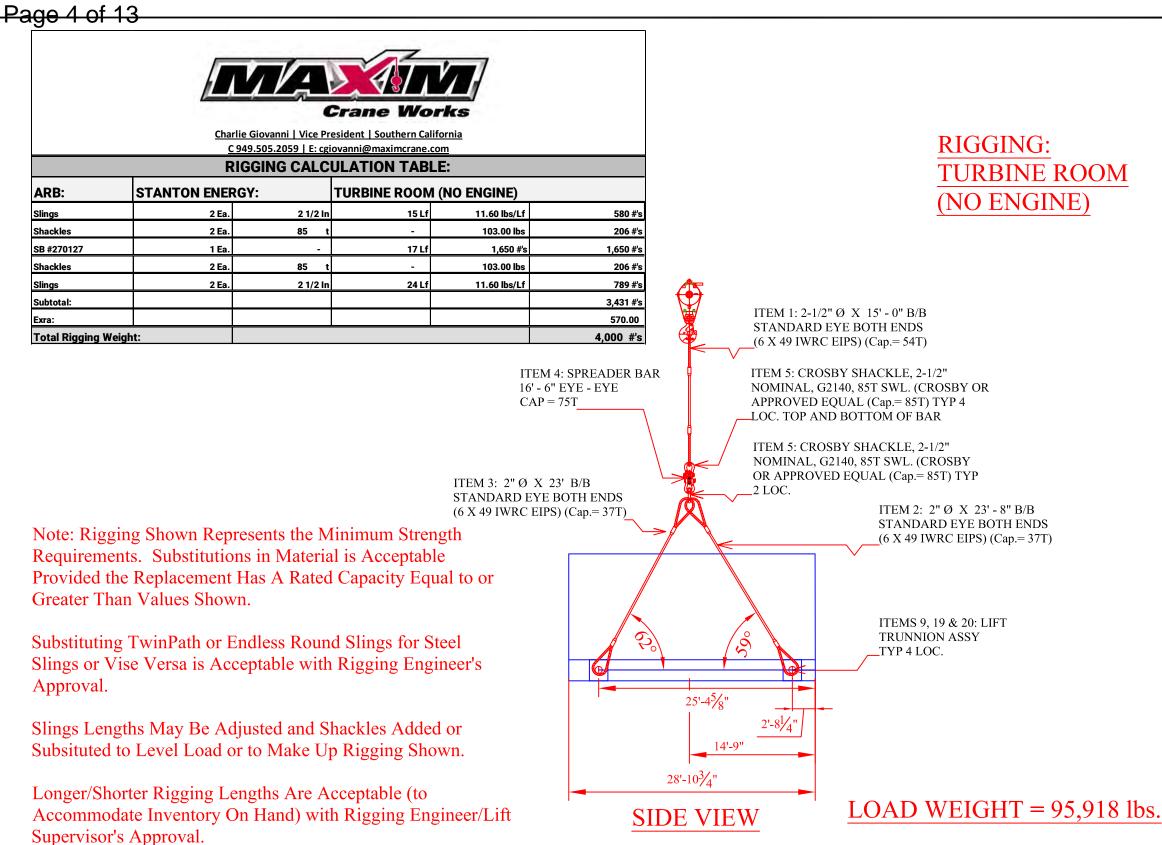
DESCRIPTION



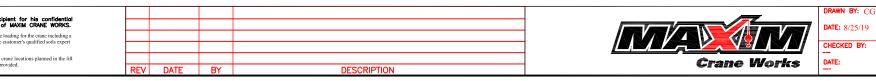
Crane Works

-							
~	rane Works						
Vice President Southern California							
	anni@maximcrane.com						
T DAT	A TABLE						
	TURBINE ROOM (NO ENGINE)						
	LIFT & SET						
	MANITOWOC 999						
	MAIN BOOM						
	150.0 ft						
	74 Deg.						
	28'-3" x 23'-2 "						
	219,600 Lbs						
	80,000 ft						
	48 ft						
	95,918 Lbs						
	5,500 Lbs						
103 LF	1,755 Lbs						
	1,300 Lbs						
1015	0111						
10 LF	21 Lbs						
	905 Lbs						
	4,000 Lbs 109,399 Lbs						
	146,500 Lbs						
	74.7%						
ty	74.7%						
sy Jhest Ra	adius						

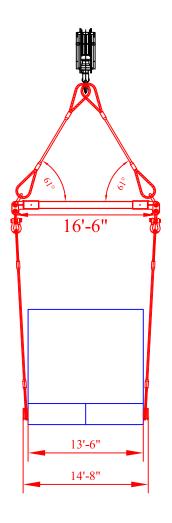
TURBINE ROOM (NO ENGINE)	PROJECT NO. ELEV VIEW	_
 ARB	Sheet: ^{siz}	
STANTON ENERGY RELIABILITY CENTER	MCW-201 REV 0	<u>_</u>



SERC - TURBINE ROOM (WITHOUT ENGINE) **RIGGING DETAIL**



ING CAPACITIES - The ability of the soil to support the required loads under the out knowns must be analyzed. The customer is responsible for analysis and verification of conditions in the area under the crane to ensure that there is adequate capacity. DERGROUND STRUCTURES - Customer is to verify that there are no underground structures or obstructions in the area of the cran edure. The customer is responsible to see that all underground structures and utilities will be marked and necessary stabilization prov



END VIEW

ì	TURBINE ROOM (NO ENGINE)	PROJECT NO. RIGGING DETAIL	
	ARB	Sheet:	ize
	STANTON ENERGY RELIABILITY CENTER	MCW-301	EV 0

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features

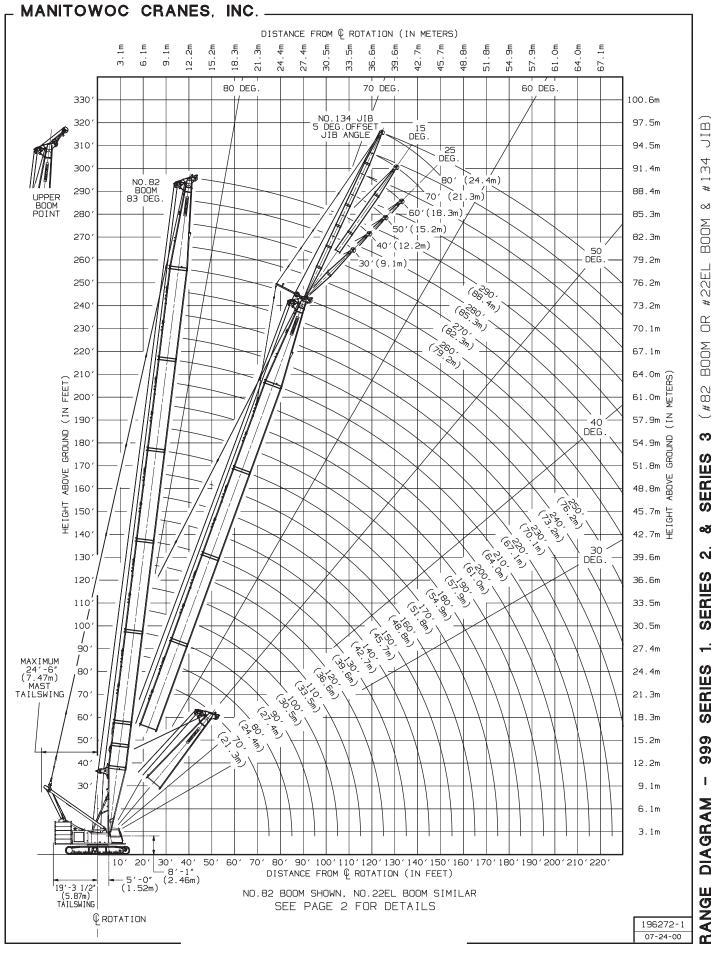
- 250 mton (275 ton) capacity
- 1 115 mton-m (8,268 ft-kips)
 Maximum Load Moment
- 88,4 m (290') Heavy-Lift Boom
- 103,6 m (340') Long-Reach Boom
- 100,6 m (330') Fixed Jib on Heavy-Lift Boom
- 115,8 m (380') Fixed Jib on Long-Reach Boom
- 128,0 m (420') Luffing Jib
- 146,3 m (480') Fixed Jib on Luffing Jib
- 291 kW (390 HP) engine
- EPIC[®] controls
- 134 m/min (440 fpm) line speed standard
- 131 kN (29,500 lb) line pull standard
- 13 600 kg (29,500 lb) Clamshell capacity
- 9 100 kg (20,000 lb) Dragline capacity
- 999 MAX-ER[™] attachment
- 999 RINGER[®] attachment
- Fast, efficient self-assembly and disassembly
- Complete crane, maximum boom, fixed jib and counterweight ships on only 12 trucks
- Heaviest module weight of 39 689 kg (87,500 lb) maximum module width of 3,0 m (10')
- Manitowoc CraneCAREsm comprehensive support

contents	
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CraneCARE℠	88

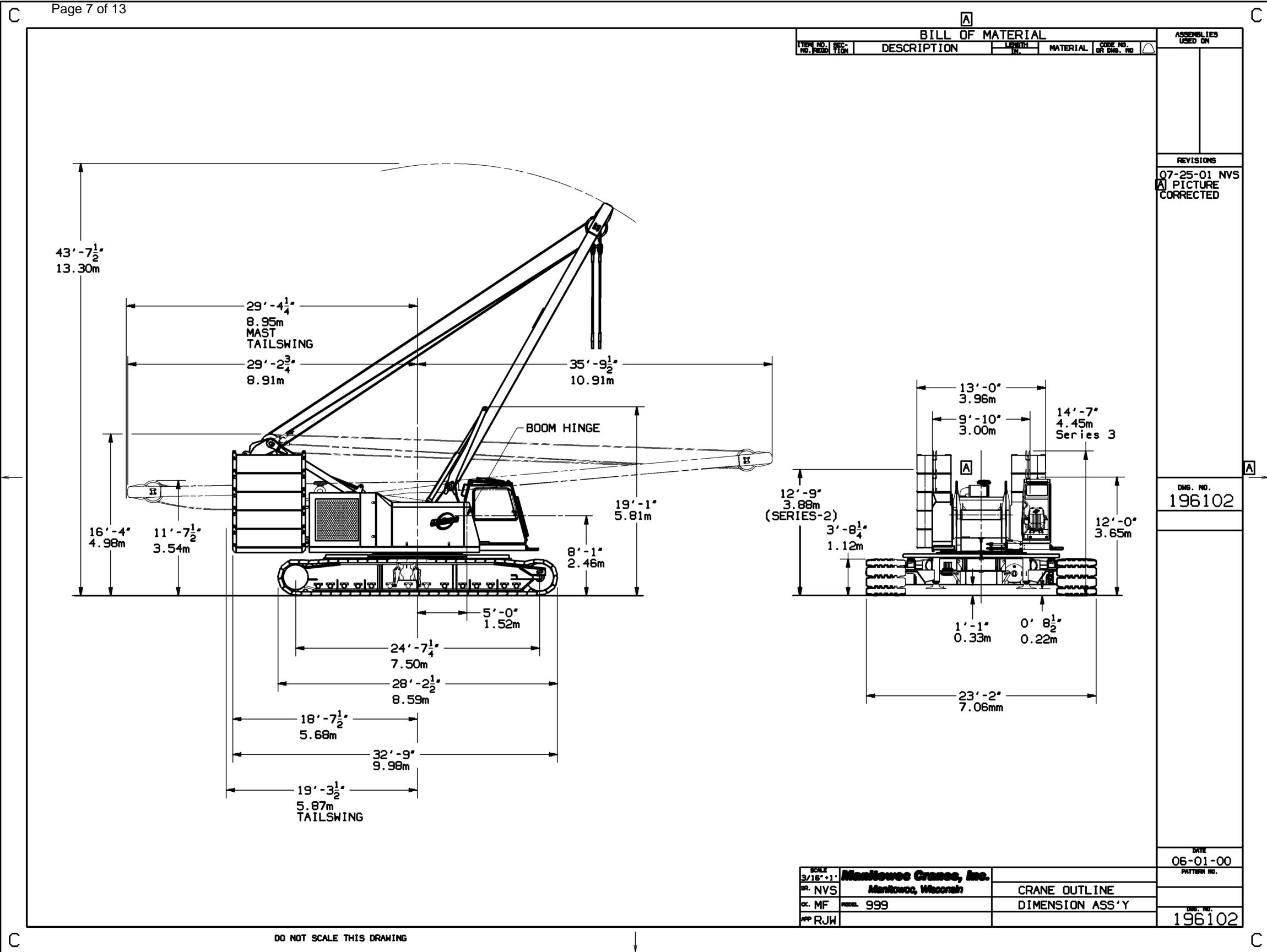


model 999

product guide Page 6 of 13



ø BOOM # 22EL Ч BOOM (#82 က SERIES 60 ิณ์ SERIES ÷ SERIES 666 DIAGRAM RANGE



Manitowoc Cranes, Inc. Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Boom Capacities

Boom No. 82 or 22EL 219,600 Lb. Crane Counterweight 80,000 Lb. Carbody Counterweight 360 Degree Rating

Meets ANSI B30.5 Requirements



999 SERIES 3

		Boom										
Oper.	Boom	Point	Boom									
Rad.	Ang.	Elev.	Capacity									
Feet	Deg.	Feet	Pounds									
	150 F	t. BO	OM									
26	82.8	156.6	265,500 *									
28	82.0	156.3	261,400 *									
30	81.3	156.0	255,600 *									
32	80.5	155.7	248,900 *									
		155.3	237,200									
			221,000 "									
50 40												
			177,100									
		152.9										
48			146,500									
50	73.4	151.2										
55	71.4											
60	69.4	147.7	107,200									
65	67.3	145.6	95,900									
85												
			51,900									
			39,200									
140	26.7		29,300 *									
145	21.9	62.0	26,000 *									
150	15.7	46.6	22,400 *									
34 79.7 155.3 $234,200 *$ 36 78.9 154.9 $221,000 *$ 38 78.2 154.4 $204,800$ 40 77.4 154.0 $190,000$ 42 76.6 153.5 $177,100$ 44 75.8 152.9 $165,700$ 46 75.0 152.4 $155,500$ 48 74.2 151.8 $146,500$ 50 73.4 151.2 $138,300$ 55 71.4 149.5 $121,000$ 60 69.4 147.7 $107,200$ 65 67.3 145.6 $95,900$ 70 65.2 143.3 $86,500$ 75 63.0 140.8 $78,500$ 80 60.9 138.0 $71,700$ 85 58.6 135.0 $65,800$ 90 56.3 131.7 $60,600$ 95 54.0 128.1 $56,000$ 100 51.6 124.2 $51,900$ 105 49.1 119.9 $48,300$ 110 46.4 115.2 $45,000$ 115 43.7 110.1 $42,000$ 120 40.8 104.4 $39,200$ 125 37.7 98.1 $36,800$ 130 34.4 91.0 $34,500$ 135 30.8 83.0 $32,300$ 140 26.7 73.5 $29,300 *$												
			230,000									
	-											
			235,000									
	/9.0		220,000									
	74.5											
	70.7	158.3	107,000									
65	68.8	156.4	95,700									

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
	160 F	t. BO	OM
70	66.8	154.3	86,200
75	64.9	152.0	78,300
80	62.9	149.4	71,400
85	60.8	146.7	65,500
90	58.7	143.7	60,300
95	56.6	140.4	55,700
100	54.4	136.8	51,600
105	52.1	133.0	48,000
110	49.8	128.8	44,700
115	47.4	124.3	41,700
120	44.9	119.3	39,000
125	42.2	113.9	36,500
130	39.4	108.0	34,200
135	36.5	101.4	32,100
140 145	33.3 29.8	94.0 85.6	30,100
145	29.8	75.8	20,000
150	23.8	63.8	25,100 * 22,100 *
160	15.2	47.8	18,900 *
100	170 F		OM
20			
28 30	83.0 82.3	176.5	252,700
30	82.5 81.6	176.3 175.9	228,400 * 224,100 *
32	80.9	175.6	219,800 *
36	80.3	175.2	215,700 *
38	79.6	174.9	204,500
40	78.9	174.5	189,700
40	78.2	174.0	176,700
44	77.5	173.6	165,300
46	76.8	173.1	155,100
48	76.1	172.6	146,000
50	75.4	172.0	137,900
55	73.7	170.6	120,600
60	71.9	169.0	106,800
65	70.1	167.2	95,400
70	68.3	165.2	86,000
75	66.4	163.0	78,000
80	64.6	160.7	71,200
85	62.7	158.1	65,200
90	60.8	155.3	60,000
95	58.8	152.3	55,400
100	56.8	149.1	51,400
105	54.7	145.6	47,700
110	52.6 50.4	141.8	$44,400 \\ 41,400$
115	50.4	137.7	41,400

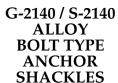
	I		
Oper.	Boom	Boom Point	Boom
Rad.	Ang.	Elev.	Capacity
Feet	Deg.	Feet	Pounds
rttt	Dtg.	Fttt	Tounus
		Ft. BO	
120	48.2	133.3	38,700
125	45.9	128.5	36,200
130 135	43.4 40.9	123.3 117.7	34,000
133	38.2	117.7	31,800 29,900
145	35.3	104.5	28,100
150	32.2	96.9	26,400
155	28.8	88.1	24,000 *
160	25.0	77.9	21,400 *
165	20.5	65.6	18,800 *
	180 F	t. BO	OM
30	82.7	186.4	206,500 *
32	82.1	186.1	206,500 *
34	81.4	185.7	206,500 * 204,700 *
36	80.8	185.4	207,700
<u>38</u> 40	80.2	185.0 184.7	200,000
40	79.3	184.7	189,400 176,500
44	78.2	183.8	165,000
46	77.6	183.4	154,900
48	76.9	182.9	145,800
50	76.2	182.4	137,600
55	74.6	181.0	120,300
60	72.9	179.5	106,500
65	71.2	177.8	95,100 85,700
70	69.5	176.0	
75 80	67.8 66.1	173.9 171.7	77,700 70,800
80	64.3	169.3	64,900
90	62.5	166.8	59,700
95	60.7	164.0	55,100
100	58.9	161.0	51,000
105	57.0	157.8	47,400
110	55.0	154.3	44,100
115	53.0	150.6	41,100
120 125	51.0 48.9	146.6 142.3	38,400 35,900
125	48.9	142.3	33,600
130	44.5	137.0	31,500
140	42.1	127.2	29,600
145	39.7	121.2	27,800
150	37.1	114.8	26,100
155	34.3	107.6	24,500
160	31.3	99.6	22,700 *
165	28.0	90.6	20,300 * 18,000 *
170	24.3	80.1	10,000
175	19.9	67.3	15,700 *

•

Crosby[®] Alloy Bolt Type Shackles









G-2140 meets the performance requirements of Federal Specification RR-C-271F, Type IVA, Grade B, Class 3, except for those provisions required of the contractor. For additional information, see page 444.



G-2140E **Grosby**Easy-LOc



- Alloy bows, Alloy bolts.
- Forged Alloy Steel 30 thru 200 metric tons. Cast Alloy Steel 250 thru 400 metric • tons. Meets performance requirements of Grade 8 shackles.
- Working Load Limit is permanently shown on every shackle.
- 30, 40, 55, and 85 metric ton shackle bows are available ٠ galvanized or self colored with pins that are galvanized and painted red. 120, 150, 175 metric ton shackle bows are hot-dip galvanized; pins are
- Dimetcoted® and painted red.
- 200, 250, 300 and 400 metric ton shackle bows are Dimetcoted®; pins are Dimetcoted[®] and painted red.
- All sizes are RFID EQUIPPED.
- Approved for use at -40 degree C (-40 degree F) to 204 degree C (400 degree F).
- Shackles are Quenched and Tempered and can meet DNV impact requirements of 42 joules (31 ft-lbs.) at -20 degree C (-4 degree F).
- All sizes are individually proof tested to 2.0 times the Working Load Limit.
- Refer to page 85 for Crosby COLD TUFF® shackles that meet the additional requirements of DNV rules for certification of lifting applications - Loose Gear.
- Shackles 200 metric tons and larger are provided as follows.
 - Serialized Pin and Bow
 - Material Certification (Chemical)
 - Magnetic Particle Inspected.
 - Certification must be requested at time of order.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these shackles meet other critical performance requirements including impact properties and material traceability, not addressed by ASME B30.26.
- Type Approval and certification in accordance with ABS 2006 Steel Vessel Rules 1-1-17.7, and ABS Guide for Certification of Cranes.
- Look for the Red Pin[®] . . . the mark of genuine Crosby quality.

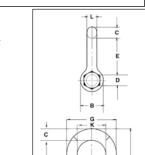
G-2140E / S-2140E Crosby[®] Alloy **CrosbyEasy-LOC** Shackles

	lominal Shackle	Working Load	Stoc	k No.	Weight					Din	nensior	ns (in.)						Tolerance + / -		
	Size (in.)	Limit (t)*	G-2140E	S-2140E	Each (lbs.)	A	в	с	D +/02	Е	F	G	н	J	к	L	м	А	Е	
	4-3/4	† 200	1021422	-	452	7.25	10.50	5.00	4.75	15.19	4.58	20.84	23.11	27.81	11.00	4.75	1.75	0.25	0.25	
	5**	† 250	1021442	_	594	8.50	12.00	5.63	5.00	18.50	4.48	23.63	24.28	32.63	13.00	5.00	1.75	0.25	0.25	
	6**	† 300	1021460	_	791	8.38	13.00	6.06	6.00	18.72	4.89	24.76	25.45	34.28	13.00	5.88	1.75	0.25	0.25	
0	0140	10 01	10 0	1 ® A 11	D 1		C	1. 1	1.											

G-2140 / S-2140 Crosby[®] Alloy Bolt Type Shackles

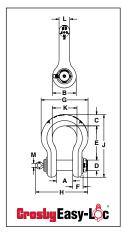
Nominal Shackle	Working Load	Stoc	Stock No. Weight				Dimensions (in.)											
Size (in.)	Limit (t)*	G-2140	S-2140	Each (lbs.)	Α	в	с	D +/02	Е	F	G	н	J	к	L	А	Е	
3/8	2	1021015	-	0.33	0.66	0.91	0.38	0.44	1.44	0.38	1.78	2.17	2.49	1.03	0.38	0.06	0.13	
7/16	2 2/3	1021020	-	0.49	0.75	1.06	0.44	0.50	1.69	0.41	2.03	2.51	2.91	1.16	0.44	0.06	0.13	
1/2	3 1/3	1021029	-	0.79	0.81	1.19	0.50	0.64	1.88	0.46	2.31	2.80	3.28	1.31	0.50	0.06	0.13	
5/8	5	1021038	-	1.68	1.06	1.50	0.69	0.77	2.38	0.58	2.94	3.56	4.19	1.69	0.63	0.06	0.13	
3/4	7	1021047	-	2.72	1.25	1.81	0.81	0.89	2.81	0.69	3.50	4.15	4.97	2.00	0.75	0.06	0.25	
7/8	9 1/2	1021056	-	3.95	1.44	2.09	0.97	1.02	3.31	0.81	4.03	4.82	5.83	2.28	0.88	0.06	0.25	
1	12 1/2	1021065	-	5.66	1.69	2.38	1.06	1.15	3.75	0.92	4.69	5.39	6.56	2.69	1.00	0.06	0.25	
1 1/8	15	1021074	-	8.27	1.81	2.69	1.25	1.25	4.25	1.04	5.16	5.90	7.47	2.91	1.13	0.06	0.25	
1 1/4	18	1021083	-	11.7	2.03	3.00	1.38	1.40	4.69	1.16	5.75	6.69	8.25	3.25	1.29	0.06	0.25	
1 3/8	21	1021092	-	15.8	2.25	3.31	1.50	1.53	5.25	1.28	6.38	7.21	9.16	3.63	1.42	0.13	0.25	
1-1/2	30	1021110	1021129	18.8	2.38	3.62	1.62	1.63	5.75	1.39	6.88	7.73	10.00	3.88	1.53	0.13	0.25	
1-3/4	40	1021138	1021147	33.8	2.88	4.19	2.25	2.00	7.00	1.75	8.81	9.33	12.34	5.00	1.84	0.13	0.25	
2	55	1021156	1021165	49.9	3.25	4.81	2.40	2.25	7.75	2.00	10.16	10.41	13.68	5.75	2.08	0.13	0.25	
2-1/2	85	1021174	1021183	103	4.12	5.81	3.12	2.75	10.50	2.62	12.75	13.58	17.90	7.25	2.71	0.25	0.25	
3	120	1021192	-	162	5.00	6.50	3.63	3.25	13.00	3.00	14.62	15.13	21.50	7.88	3.12	0.25	0.25	
3-1/2	† 150	1021218	-	268	5.25	8.00	4.38	3.75	14.63	3.75	17.02	17.62	24.88	9.00	3.62	0.25	0.25	
4	† 175	1021236	-	332	5.50	9.00	4.56	4.25	14.50	4.00	18.00	20.37	25.68	10.00	4.00	0.25	0.25	
7**	† 400	1021478	-	1200	8.25	14.00	7.25	7.00	22.50	6.50	26.00	28.68	40.25	13.00	6.00	0.25	0.25	

* Note: Maximum Proof Load is 2.0 times the Working Load Limit. Minimum Ultimate Load is 4 times the Working Load Limit on 200 thru 400 metric Tons. For sizes 30 thru 175 metric Tons, Minimum Ultimate Load is 5.4 times the Working Load Limit. ** Cast Alloy Steel. † Furnished with Round Head Bolts with an eyebolt for handling. For Working Load Limit reduction due to side loading applications, see page 91.



D

APPLICATION INSTRUCTIONS SEE PAGE 89 OF THE GENERAL CATALOG



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nd ng	-	Fre	Size		CHANICAL SPLICE FLEMISH EYE Rated Capacity in Tons (2000 lbs.)*									
	Rope		n.)	Straight	Choker			t Hitch		-	ware			
	Size (in.)	W	L		8	Vertical	60°	45°	30°	Alloy Sling Hook	S.P. Anchor Shackle			
	1/4	3	6	.65	.48	1.3	1.1	.91	.65	1 ton	5/16"			
	5/16	3	6	1.0	.74	2.0	1.7	1.4	1.0	1 ton	3/8"			
	3/8	3	6	1.4	1.1	2.9	2.5	2.0	1.4	1-1/2 ton	7/16"			
	7/16	4	8	1.9	1.4	3.9	3.4	2.7	1.9	2 ton	1/2"			
	1/2	4	8	2.5	1.9	5.1	4.4	3.6	2.5	3 ton	5/8"			
	9/16	4	8	3.2	2.4	6.4	5.5	4.5	3.2	3 ton	5/8"			
	5/8	5	10	3.9	2.9	7.8	6.8	5.5	3.9	5 ton	3/4"			
	3/4	6	12	5.6	4.1	11	9.7	7.9	5.6	7 ton	7/8"			
	7/8	7	14	7.6	5.6	15	13	11	7.6	7 ton	1"			
	1	8	16	9.8	7.2	20	17	14	9.8	11 ton	1-1/8"			
	1-1/8	9	18	12	9.1	24	21	17	12	15 ton	1-1/4"			
	1-1/4	10	20	15	11	30	26	21	15	15 ton	1-1/2"			
	1-3/8	11	22	18	13	36	31	25	18	22 ton	1-3/4"			
	1-1/2	12	24	21	16	42	37	30	21	22 ton	1-3/4"			
	1-3/4	14	28	28	21	57	49	40	28	30 ton	2"			
	2	16	32	37	28	73	63	52	37	37 ton	2-1/2"			
	2-1/4	18	36	44	35	89	77	63	44	45 ton	2-1/2"			
	2-1/2	20	40	54	42	109	94	77	54	60 ton	2-1/2"			
	3	24	48	77	60	153	133	108	77	N/A	3"			

All Rope Based on EIP Rating

*Rated capacities in basket hitch based on D/d ratio of 25 times the rope diameter

WIRE ROPE STRENGTHS AND WEIGHTS

Wire Rope Strengths and Weights—6x19 and 6x36 Classification/Bright (Uncoated)

Diam	eter	Appr	ox. Mass			Minimum Bre	aking Force		
inches	mm	lb/ft	kg/m	IPS tons	1770 kN	EIP tons	1960 kN	EEIP tons	2160 kN
1-1/2		4.16	6.184	98.9		114		125	
	40	4.58	6.816		1008		1116		1230
1-5/8		4.88	7.257	115		132		146	
	44	5.54	8.247		1220		1351		1489
1-3/4		5.66	8.417	133		153		169	
1-7/8		6.49	9.662	152		174		192	
	48	6.60	9.815		1452		1608		1772
2		7.39	10.994	172		198		217	
	52	7.74	11.519		1704		1887		2079
2-1/8		8.34	12.411	192		221		243	
	56	8.98	13.359		1976		2188		2411
2-1/4		9.35	13.914	215		247		272	
	60	10.31	15.336		2268		2512		2768
2-3/8		10.4	15.5	239		274		301	
2-1/2		11.6	17.3	262		302		332	
	64	11.6	17.3		2580		2860		3140
2-5/8		12.8	19.0	288		331		364	
	68	12.9	19.2		2910		3220		3550
2-3/4		14.0	20.8	314		361		397	
	72	14.5	21.5		3260		3610		3970
2-7/8		15.3	22.8	341		392		431	
	76	16.2	24.0		3630		4020		4430
3		16.6	24.7	370		425		468	
3-1/8		18.0	26.8	399		458		504	
	80	18.0	26.8		4040		4480		4930
3-1/4		19.5	29.0	429		492		541	
	84	19.7	29.3		4450		4930		5430
3-3/8		21.0	31.3	459		529		582	
	88	21.6	32.1		4880		5410		5950
3-1/2		22.7	33.8	491		564		620	

* To convert to Kilonewtons (kN), multiply tons by 8.896; 1 lb = 4.448 newtons (N)

** Available with galvanized wires at strengths 10% lower than listed, or at equivalent strength on special request.

Note: For four of the listed diameters, 1/4" through 7/16" with two-operation strands, the given strengths will be reduced by approximately 5-1/2%



Page 12 of 13

NOTES:				ISCH	ED FOR CONSTRUCTION - 2	20010	13			REV	DESCR	REVISION	DATE	APPROVE
1. INTENTIONALLY LEFT BLANK				1000	LD FOR GOINSTRUCTION - 2	01903	10			C SHI	ETS 22 & 23	REMOVED WEATHER		DRAWN
2. ALL CABLE SLINGS TO HAVE GEPPLP DRAWING NUMBER REFERENCE WITH RESPECTIVE WEIGHT CAPACITIES AND LENGTHS PERMANENTLY STAMPED AT BOTH ENDS.	s									HO	ET 24: RELOO	RS TO AUX SKID CATED COG OF CONTROL CUBICLES	2018-10-24	ENGINEER
3, HOOK LOAD INCLUDES LIFT HARDWARE WEIGHT WHICH IS 3 KIPS FO MAIN UNIT LIFTS AND 1 KIP FOR ALL OTHER LIFTS.	R													
 CABLE SLING DESIGNATED IWRC/EIPS IS AN ABBREVIATION FOR INDEPENDENT WIRE ROPE CORE/EXTRA IMPROVED PLOW STEEL. 														
APPROVED EQUAL MUST INCLUDE A MINIMUM RATED OR WORKING LOAD OF 6 TIMES THE MINIMUM ULTIMATE LOAD OR BREAKING STRE								2	J04900	SLING	1	1/4" DIA X 20'-7",	15 TONS SWL	29
S.W.L. = SAFE WORKING LOAD.	NGTH.							4	J02564	SLING		1/4 DIA X 20'-1", 1		28
6. DIMENSIONS AND VALUES IN [] ARE U.S. CUSTOMARY UNITS, SI UNITS ARE GIVEN FOR REFERENCE ONLY. EQUIPMENT SHALL BE								4	J01777	SLING		B DIA X 10'-0", 7.6	TONS SWL , G-2130, 3.25 TONS	27
DESIGNED AND MANUFACTURED USING U.S. CUSTOMARY UNITS.								6	G-2130-3 1/4T	SHACKLE	SY	L, (CROSBY OR APP	ROVED EQUAL)	20
7, TURBINE ROOM LIFT IS MADE WITH LMBOOD ENGINE.								2	393A3968P0001	SLING	80	TH ENDS (6 X 49 IV	IRC EIPS) 37 TONS SI	
B. GENERATOR LIFT RIGGING ACCOUNTS FOR APPROXIMATELY 2 KIPS,								2	393A3957P0001	SLING	ST	DIA X 30'-3", B/B, D EYE BOTH ENDS, 3	37 TONS SWL	24
DO NOT LIFT GENERATOR ROOM ON SHEETS 2 AND 3 (LIFT ARRANGEMENT WITHOUT GENERATOR) WITH GENERATOR INSIDE.							5	- 4	G-2140-40T	SHACKLE	SV	AL (CROSBY OR APPR	IAL, G-2140, 40 TONS ROVED EQUAL)	23
								4	386A3554P0001	SLING	2" BC	DIA X 30'-0" 8/8 OTH ENDS (6 X 49 W	STD EYE IRC EIPS) 37 TONS ST	ML 22
								2	724180	SPREADER	BAR AN	R FILTER ASSEMBLY	SPREADER BAR	21
LECEND								8	382A9356P0001	PIN	De	AW BAR HITCH PIN,	3/6" DIA X 2 3/8" L	G. 20
LEGEND:								8	724177	PIN	LIF	TING PIN, FIXED FRA	ME	19
CENTER OF GRAVITY								1	377A2450P0001	LIFT STAR	BUZER HO	OSBY 5/8" X 35'-0 DOK, CHAIN SHORTEN	ALLOY CHAIN, CLEW	5 18
								-	-	-	NC	OT USED FOR THIS PR	ROJECT	17
8	5	4	377A1025P0000	SHACKLE	CROSBY, 1" NOM, MOD G-209-A, 12.5 TON SWL	43		4	J01352	SLING	1 80	1/4" DIA X 11'-3" B TH ENDS (6X49 IWR	B STD EYE EIPS) 15 TONS SWL	16
CENTER OF GRAVITY AND HOOK LOCATION COINCIDE	5	4	G-2130-6 1/2T	SHACKLE	CROSBY, 7/8" NUM, 5 1/2 TONS SWL	42		-		-	NC	DT USED FOR THIS P	ROJECT	15
	-	-	1		NOT USED FOR THIS PROJECT	41		4	J00475	NUT	HE	X HEAD, 5/8"-11 N	D, GR 5	14
		2	390A1705P0001	EL INC	2 1/2" DIA X 24'-5" STD EYE	40		4	J00410	WASHER	LC	OCK. 5/8"		13
	- 14	4	J01354	SLING	BOTH ENDS 54 TONS 2 1/2" DIA X 22'-0", B/B STANDARD EYE			4	J00401	WASHER		AT, 5/8"		12
				1	BOTH ENDS (6X49 IWRC EIPS) 54 TONS SWL	39	~	4	567127	EYE BOLT		and the second sec	3/4" 1000# SWL @ 4 G-209A, 12.5 TONS S	
		2	390A1703P0001	SLING	2 1/2" DIA X 14'-9" STD EYES 54 TONS	38	5	- 4	G209-A 12-5T	SHACKLE	(0	ROSBY OR APPROVED	EQUAL)	10
	- 2	100	-	-	NOT USED FOR THIS PROJECT	37		4	724175P0001	LIFTING T		UNNION, TURBINE &		9
		-		-	NOT USED FOR THIS PROJECT	36		1	285664P001	SPREADE		ENERATOR LIFT SPREA	ADER BAR IAL, G-2130, 17 TON D EQUAL)	
			-	-	NOT USED FOR THIS PROJECT	35	5	4	G-2130-17T	SHACKLE	2	DIA X 14-7" B/B	STD EYE	6
		4	393A4126P0001	SLING	1 1/4" DIA X 14"- 7" 8/8 570 EYE, 15 TONS SWL	34	5	4	J02565 386A3423P0001	SHACKLE	BC	ROSBY, 2 1/2" NOMIN	STD EYE VRC EIPS) 37 TONS S IAL, G-2140, 85 TON D EQUAL)	SWL 5
	- 9	4	382A138400001	SLING	1 1/4" DIA X 15" B/B STO EVE, 15 TONS SW.	5.5	10	2	270127P0001	SPREADE		ROSBY OR APPROVED		4
		-	-	-	NOT USED FOR THIS PROJECT	32		2	J04776	SLING			STD EYE WRC EIPS) 37 TONS S	w 3
		-	-	-	NOT USED FOR THIS PROJECT	31		4	J04775	SLING	2°	DIA X 23'-8" B/B	STD EYE WRC FIPS) 37 TONS S	w 2
		1	868223P0001	SPREADER BAR	FABRICATION DETAIL SPREAD BAR	30		4	304773	SLING	2	1/2" DIA X 15"-0" E	ARC EIFS 57 TONS 5 WRC EIPS) 54 TONS 5	WL 1
		OTY REOD	PART OF DENTIFYING NO.	HOMENCLATURE OR DESCREPTION	HATTERLAL/SPECIFICATION	HD.		gtr REDO	PART OR DEHTETING NO.	MONENCL	ATURE: DRI RPTION	WATERIAL	APEGRICATION	TELM HO.
	1				INTE UST					-	PARTS	teu		
											SHILAR TO	CREATED BY:		P
											TIRST MADE FOR			1E
NEDEWATION	1				OF CLASS II (INTERNAL NON-CRITICAL)/NOT EXPORT O	ONTROLLED					-	DRAWING TYPE		R
					COPYRIGHT 2018 General Electric Com		2		1000		36)	DRAWING HTLE:	LIFT	
					AN ARE COMPARED IN A REAL PROPERTY OF A REAL PROPERTY OF			Vial is noted		QLE PROJECTIO		0.20	ARRANGEMEN	T
					All rights reserved. The internation forms is Proprietacy col- by General Bottle Company not/for its affilies a restricted and privileged use. All persons, or logal amilias are of its recept to hore controllution operation for this mutation modifications, disclosures, or use may perform of this mutation flower themps models and performance and performance.	allien, reprode	conclus shall actions of only	to deemed b	y the ort y matrix	17(GE PO	WOF STREET STREED WG NO		10
					Research track Company and/or its legiticate affiliates.		softweek and	and at mit			2018-05-1	D D	7274905-5042	25

Page 13 of 13 Item #4. - Spreader bar # 270127 (Unit lift) 150,000 LBs (16-6" eyeto eye) Pipe Bar weight 1,650 LBS Item # 8 - Generator Spreader bar # 2.85664 244,000 LBS (10:0" eye to eye) Pipe Bar Weight 1400 LBS Itam #21- Air Filter Assembly # 724180 150,000 1Bs (24-0" eye to eye) P.pe bar weight 3,000 LBS Item #30 - Fabrication Detail (# 868223) 60,000 LBS 3-pick Points (16-2, 32,36 eye to eye) Beam Spreader bar weight 4,500 LBS

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/3/2019

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 AQCCM.
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?		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?	Ť	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

ARB placed pan under 999 crane. minor drip.

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: ______

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 AQCCM.
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?	ľ	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:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: ______

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 AQCCM.
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:

Jon Kimble AQCMM or Delegate name:

Jon Kimble AQCMM or Delegate signature:

September 6, 2019

Date:

	Response	
Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	(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 AQCCM.
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:

Affixed Green Certificates to Manitowoc 999, X-Treme and JLG Boom Lifts.

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy Date: 2019.08.1107.36:43-0700

Date: 9/9/2019

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 AQCCM.
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?	Ν	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/10/2019

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	ř	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 AQCCM.
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?	Ť	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?	IN	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

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 AQCCM.
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?	Ν	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/12/2019

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 AQCCM.
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:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/13/2019

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	ř	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 AQCCM.
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?	Ť	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?	IN	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Malsy Date: 2019.00.19 16.08.51-0700

Date: 9/16/2019

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	ř	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 AQCCM.
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?	Ť	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?	IN	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/17/2019

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 AQCCM.
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?	Ν	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/18/2019

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 AQCCM.
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?	Ť	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?	Ν	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/19/2019

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 AQCCM.
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?	Ť	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?	IN	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/20/2019

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 AQCCM.
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:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/23/2019

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	ř	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 AQCCM.
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?	Ť	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?	IN	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/24/2019

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 AQCCM.
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:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/25/2019

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 AQCCM.
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?	Ť	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?	IN	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/26/2019

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today? Has any off-road diesel equipment been removed from the site today?		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 AQCCM.
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?	Ν	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: 9/27/2019

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 AQCCM.
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?	Ť	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?	IN	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQCMM or Delegate name: Mike Malsy

AQCMM or Delegate signature: Michael Malsy Digitally signed by Michael Mal

Date: ______9/30/2019

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 AQCCM.
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?	Ť	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?	IN	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Bill Petty's Backhoe Service, Inc. 13203 Barlin Ave. Downey, CA 90242 <u>amysback@ca.rr.com</u> 562-630-3162 Fax: 562-630-7341

October 2, 2019

ARB, Inc. 26000 Commercentre Dr. Lake Forest, CA 92630

Attn: Nick Tasich

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

Subject: Equipment Maintenance Month: September 2019

Dear Mr. Tasich,

This letter serves to inform you that the following equipment on the job is being serviced and maintained, the operator does a daily walk around inspection each morning. The operator has the reports with him for the backhoe and you can see the reports at any time.

D & S Backhoe (Kent) 580 SN-Backhoe: Serial Number: JJ6N585NLECT05659

If you should have any questions, please let me know.

Respectfully submitted,

Selly tricial

Patricia Petty President

<u>Date</u> <u>Move on</u>	Date Move off	CARB ID 6 digit (EIN)	SERC ID	Mfr	<u>Model/</u> Description	<u>Model</u> <u>Year</u>	<u>Serial</u> <u>Number</u>	<u>Owner</u>
2/20/2019	onsite	BX3T54	SERC_003	CASE	580 SN-Backhoe	2014	JJ6N585NLECT05659	D&S BACKHOE SERVICE
<u>Renter</u>	<u>Mfr</u>	Engine Family	Engine Model	Displacement (L)	<u>Model</u> Year	<u>Serial</u> Number	<u>Diesel (hp)</u>	<u>Tier</u>
Bill's Backhoe	FPT INDUSTRIAL	EFPX034DD	FSHFL4ADD	207 CU IN	2014	215914	97	T4
Engine Certification on File	<u>Compliance</u> Tag	<u>Notes</u>		4	4			
u-r-015-0283	Green tag issued 02/19/2019							



October 1, 2019

ARB, Inc. – Stanton Energy Reliability Center 26000 Commercentre Drive Lake Forest, Ca 92630

Attn: Nick Tasich ARB, Inc.

RE: Maintenance and Inspection of Equipment

Dear Mr. Tasich:

This letter confirms that Maxim performs daily inspections and required maintenance at the regularly scheduled intervals for the previous month for all on-site equipment. See below for Maxim equipment currently on-site.

	Date Arrived	Date Removed	CARB ID 6 digit (EIN)	Manufacturer	Model/Description	Model Year	Serial Number	Owner	Renter
				Manitowoc					
L	8/31/2019	onsite	TX5P83	999	Crawler Crane	2002	9991103	Maxim	Maxim

Respectfully,

ble

Charlie Giovanni Maxim Crane Project Manager



1301 SOUTH STATE COLLEGE BLVD

Fullerton, CA. 92831 Office : 714-871-5712 Fax : 714-871-1107

From: United Rentals, Inc.

To: ARB/Newtron LLC.

Subject: LETTER OF MAINTENANCE VERIFICATION

The intention of this letter is to verify that all preventative maintenance and/or service bulletins are current in accordance with the manufacturer's and ARB's / Newtron's recommendations during the month of May 2019.

This is for the equipment listed below at:

10711 DALE ST

STANTON, CA. 90680

DESCRIPTION	EINNUMBER	SERIAL NUMBER
GENIE VARIABLE REACH FORKLIFT	JW5N58	10366180
JLG BOOM LIFT 60' ART	RE4F94	10129857
JLG BOOM LIFT 60' ART	LR7P73	10755669
		_
SKYTRAK VARIABLE REACH FORKLIFT	HN6U33	10478100
JCB 7K VARIABLE REACH FORKLIFT	RV7M68	10507929

All info verified by: United Rentals, Inc. Sergio Gonzalez Territory Manager

1010 0 %



October 1, 2019

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	onsite	VC6G63	SERC_001	Xtreme	XR1255 Forklift	2016	XR1255031693102	ARB	N/A
3/22/2019	onsite	SF7A56	SERC_016	CAT	Rough Terrain Forklift	2012	KDE00312	ARB	ARB
5/22/2019	Onsite	NG3U86	SERC_023	CAT	259D Skid Steer Loader	2018	FTL14586	ARB	ARB
6/18/2019	Onsite	WK9J63	SERC_024	Deere	210l Skip Loader	2016	1T8210ELLGJ893464	ARB	N/A
8/7/2019	Onsite	VT6H48	SERC_027	Xtreme Manufacturing	XR2045 Forklift	2018	XR2045-11- 18039329	Ellis	ARB
9/16/2019	Onsite	WP9E86	SERC_034	JLG	660SJ Manlift	2015	300206993	Sunstate	ARB
9/23/2019	Onsite	XG7V58	SERC_035	Grove	GRT880 Crane	2017	235778	ARB	ARB

Respectfully,

Steven Fischer ARB, Inc. Project Manager

pp 1862 - 5/2 OMP 00571

EQUIPMENT MAINTENANCE & REPAIR REVIEW H3937 EMS Make: AA Ser No: OMRP00571 Model: XQ200N Div: E P Eqp Sts: R Inv Sts: R Warr types: Last Known SMU: 8,099.0 H (H,M,K) Acquis Dt: 8/13/14 Labor Ho Parts: 7,296.36 Labor: 18,377.76 Misc: Total Parts, Labor, Miscellaneous and Flat Rate All: SEGMENT DETAIL Invoice Dt 10/04/19 Repairs 250 HOUR PM 250-HOUR PM S Invc/Doc WX63458 Seg 01 Dt Open 9/12/19 Pts In-Proc Days 23 Lst SMU 8006.0 Labor Hours .00 Labr Customer P336184 RENTAL FLEET CT R & M Msc PIP No Totl Warr Reference Type Code Claim No Cla Invoice Dt 8/21/19 Repairs QRS CUSTOMER DAMAGE LIGHTS-ADJ/RE Invc/Doc LW20137 Seg 01 Dt Open 8/14/19 Pts In-Proc Days 8 Lst SMU 7890.0 Labor Hours 3.00 Labr Customer P336184 RENTAL FLEET CT R & M Msc PIP No Totl Warr Reference Type Code Claim No Cla

CF3:Fold

OUT MRS. 8007 9/23 IN MRS. 8099

Attachment 4 – Biological Resources



Memorandum

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 September 2019
То:	Tim Bofman, SERC, LLC
From:	Ava Edens, Jacobs SERC CEC Designated Biologist
Date:	October 4, 2019
Copies:	Sharon Stureman, SERC, LLC Doug Davy, Jacobs Karen Parker, Jacobs

1. Introduction

This September 2019 Monthly Compliance Report (MCR) summarizes biological resources monitoring activities conducted and documentation prepared from September 1 through September 30, 2019 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 September 2019 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 September 2019 reporting period biological monitoring was conducted on the SERC site weekly and daily during Horizontal Directional Drilling (HDD) under Carbon Creek Channel (per BIO-9).

JACOBS[°]

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

2.1 Activities Monitored

SERC construction activities were monitored weekly from September 1 through September 30, 2019. Locations monitored included the SERC site (western and eastern parcels), Bethel Romanian Pentecostal Apostolic Church parking lot (located at 10801 Dale Avenue, Stanton), Southern California Edison Laydown Yards (western and eastern), Court Street Storage Yard (located at 10662 and 10622 Court Avenue, Stanton), St. John the Baptist Greek Orthodox Church Laydown, and Natural Gas Pipeline (along Dale Avenue from La Palma to West Orange Avenue). HDD activities pertaining to drilling under Carbon Creek Channel (between West Crescent Avenue and West Orange Avenue) for the Natural Gas Pipeline along Dale Avenue, were monitored daily, from September 10-16, 2019, per BIO-9.

Construction activities at the SERC site included pipe fabrication, construction of ductwork, above-ground infrastructure work, ground contouring and compaction, and utility bridge construction across Stanton Storm Channel. Construction on the natural gas pipeline started on August 19, 2019. Pipeline construction activities included asphalt cutting/grinding and removal, installation and welding of steel plates, trench excavation and shoring, potholing, HDD under Carbon Creek Channel, and use of the laydown yard at St. John the Baptist Greek Orthodox Church.

2.2 Nesting Birds

No protected active nests were observed during the September 2019 reporting period. Bird species observed during biological monitoring are included in Appendix B.

2.3 Special-Status Species

One special status species, the Cooper's hawk (*Accipiter cooperil*) (California Watch List), was observed during September 2019. A list of wildlife species observed during biological monitoring in September 2019 is included in Appendix B.

2.4 Wildlife Injuries and Mortalities

No injured wildlife species were observed within the SERC project locations or survey areas during the September 2019 reporting period.

2.5 Hazardous Material Spills

No hazardous material spills occurred at the project site during the September 2019 reporting period.



2.6 Non-Compliance Report

During the September 2019 reporting period incident reports were issued pertaining to drilling under Carbon Creek Channel (between West Crescent Avenue and West Orange Avenue) for the Natural Gas Pipeline along Dale Avenue. In compliance with COC BIO-9, the Designated Biologist notified the CEC Compliance Project Manager (CPM) and California Department of Fish and Wildlife (CDFW) of frac-outs that occurred on September 9, 14, and 15, 2019. The frac-out incident reports are included in Appendix C.

3. WEAP Training

All on-site staff received WEAP training prior to starting work on site. A total of 84 persons completed the SERC WEAP training in September 2019. The hardcopy sign-in training logs for the monthly reporting period are included in Appendix D.



Appendix A Biological Resources Compliance Monitoring Logs

Stanton Energy Reliability Center (SERC) BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG								
Date			Monitor			Time (Begin-End)		
September 05, 2	2019		Ken Levenstein		07:00 – 15:30			
Temperature (°F)	Win	d (mph)	Precipitation amount	Visibility	Weather Comment			
70 – 88	() – 7	0 in	Good	Partly cloudy early, then sunny and warm			
Location(s) of Wor	k Site A	ctivities Mo	nitored					
SERC – Bio-monitoring during Project construction:								
					llife/Project interaction ent of equipment/mate	ns and compliance with COCs erials; reporting.		
SWPPP; ongoing excavation, grou	activiti nd cont	es related touring and	to construction of compaction, du	f ductwork, utility	rack, generator, and st ity bridge constructior	s and compliance with COCs and ack foundations, piecemeal n, delivery of gas compressor and		
Bethel Church Pa activity.	arking L	ot – Bio-m	onitored. Surveye	ed church parking l	ot and surrounding are	ea (as accessible) for nesting		
	veyed P	arcel and s			Idlife/Project interaction nesting activity, receivion	ons and compliance with COCs ing and movement of		
	veyed P	arcel and s			dlife/Project interactio nesting activity, receivi	ns and compliance with COCs ing and movement of		
Court Street Storage Yard – Bio-monitored. Checked for potential bird/wildlife/Project interactions and compliance with COCs and SWPPP; surveyed Parcel and surrounding area (as accessible) for nesting activity. (see Photo Log).								
Greek Orthodox Church Laydown – Surveyed church parking lot and surrounding area (as accessible) for nesting activity. Checked for potential bird/wildlife/Project interactions and compliance with COCs. Pipe fabrication, receiving and movement of equipment/materials, reporting. (see Photo Log).								
	ential bi	ird/wildlife				s accessible) for nesting activity. on, pipe installation, slurry pour,		
Summary of Biolog	gical Res	ources Mor	nitoring Observatio	ns				
Bio-monitoring for Special-Status Sp None Nesting Bird Obs None Other Biological None	oecies (servatio	Observed: ons:		rds, fossorial mam	mals, and other wildlif	e.		
• None	ons/Co	mments:						
Items Requiring Ac	tion/Fo	llow-up						
No spe	cific ite	ms requiri	ng follow-up Mor	nitoring of work wi	Il continue during Proje	ect construction activities.		
Wildlife Species Of	bearvad	•						

Wildlife Species Observed:

Birds: killdeer (*Charadrius vociferous*), western gull (*Larus occidentalis*), Eurasian collared dove (*Streptopelia decaocto*), mourning dove (*Zenaida macroura*), rock pigeon (*Columba livia*), black phoebe (*Sayornis nigricans*), American crow (*Corvus brachyrhynchos*), northern mockingbird (*Mimus polyglottos*), European starling (*Sturnus vulgaris*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*).



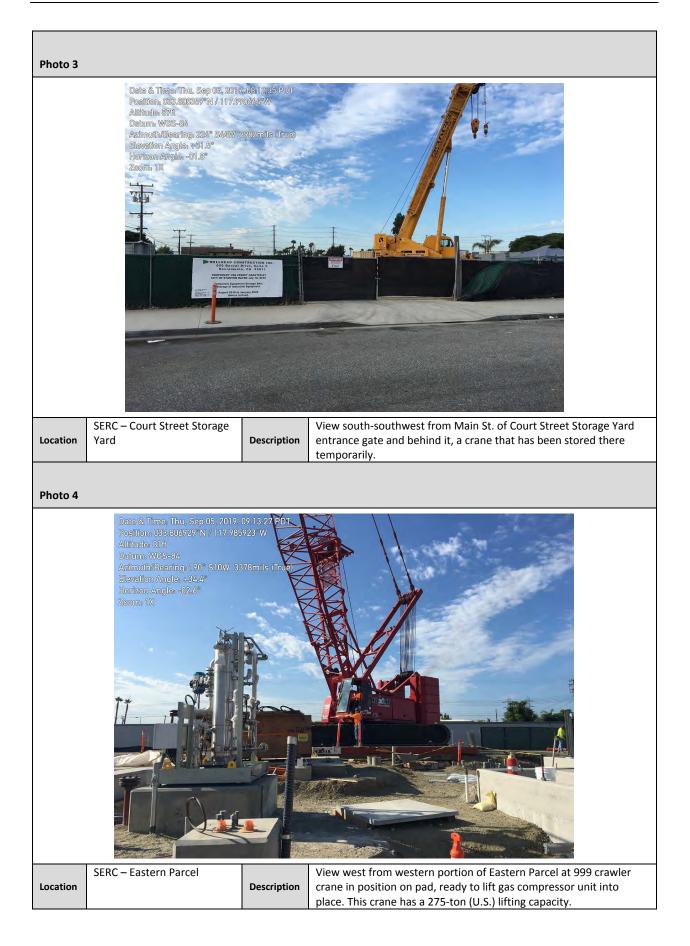








Photo 11			
	Pate 4 Time Thu, Sep 05, 2019 Position 200 36325 N / 117,92 Annuti Searing: 019 N19E 0 Perator 2ng to +30.0 Horzon Angle +01.3 Commit Wester	35091°W	
Location	Dale Avenue Gas Pipeline – Northern Section	Description	View north-northeast along Dale Avenue of cement trucks staged and ready to pour slurry into pipeline excavation.
Photo 12			
	Date & Time: Thu: Sep 05, 2019, Position: 033 844707 N / 117 985 Altitude: 96ft Datum: WGS-84 Azimuth/Bearing: 017 N17E 03 Elevation Angle: +28.72 Horizon Angle: +01.3 Zoom: 18	:039°W	
Location	Dale Avenue Gas Pipeline – Northern Section	Description	View north of excavator working on natural gas pipeline adjacent to Buena Park Downtown Mall.



Stanton Energy Reliability Center (SERC) **BIOLOGICAL RESOURCES** COMPLIANCE MONITORING LOG Time (Begin-End) Date Monitor September 10, 2019 Ken Levenstein 07:00 - 20:00 Temperature Precipitation Wind (mph) Visibility Weather Comment (°F) amount 68 – 79 0-6 0 in Good cloudy in the morning, then sunny Location(s) of Work Site Activities Monitored SERC – Bio-monitoring during Project construction. Dale Avenue Pipeline, Middle Section (between W Crescent Avenue and W Orange Avenue), Horizontal Directional Drilling (HDD) under Carbon Creek – Checked for potential bird/wildlife/Project interactions and compliance with COCs. Monitored for frac-out. (see Photo Log). 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:** • None **Other Biological Resources Observations:** None • **Other Observations/Comments:** ٠ None

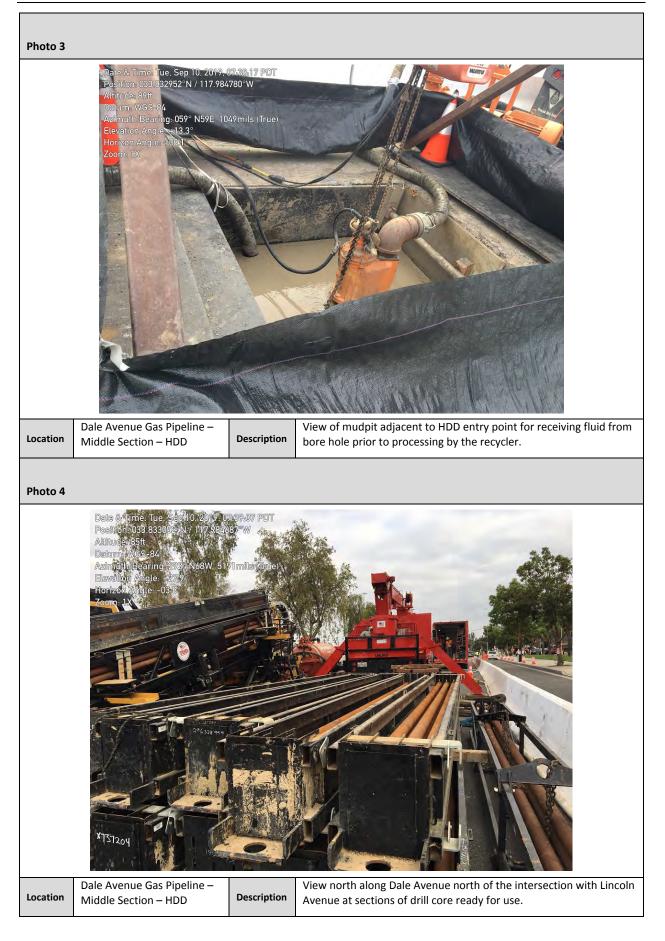
Items Requiring Action/Follow-up

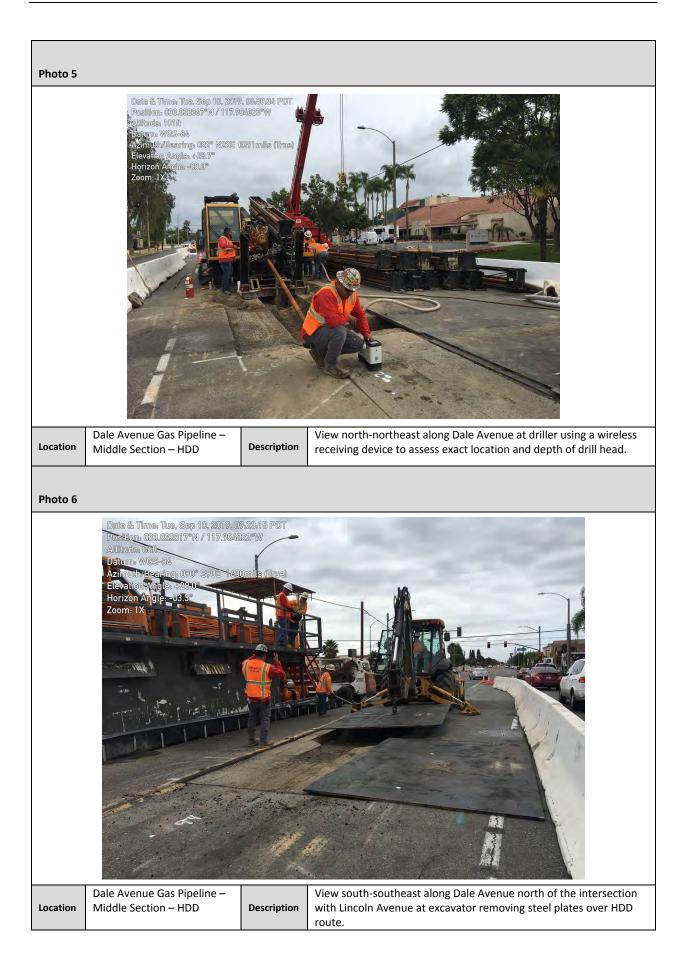
• No specific items requiring follow-up Monitoring of work will continue during Project construction activities.

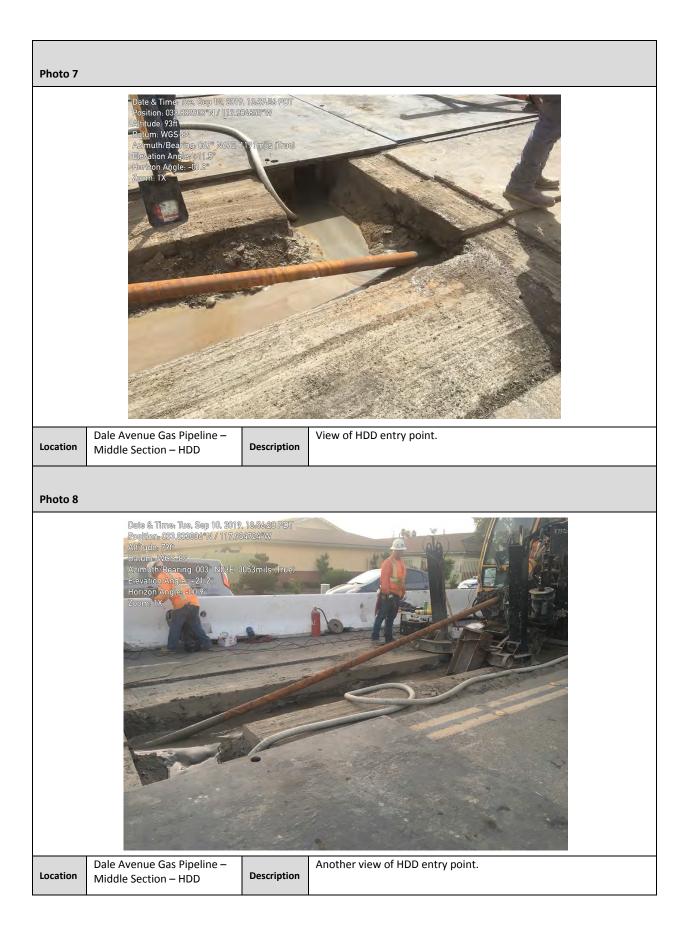
Wildlife Species Observed:

Birds: western gull (*Larus occidentalis*), Eurasian collared dove (*Streptopelia decaocto*), mourning dove (*Zenaida macroura*), rock pigeon (*Columba livia*), American crow (*Corvus brachyrhynchos*), European starling (*Sturnus vulgaris*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*).









Stanton Energy Reliability Center (SERC) **BIOLOGICAL RESOURCES** COMPLIANCE MONITORING LOG Time (Begin-End) Date Monitor September 11, 2019 Ken Levenstein 07:00 - 21:15 Temperature Precipitation Wind (mph) Visibility Weather Comment (°F) amount 64 - 81 0-5 0 in Good Sunny and warm Location(s) of Work Site Activities Monitored SERC – Bio-monitoring during Project construction. Dale Avenue Pipeline, Middle Section (between W Crescent Avenue and W Orange Avenue), Horizontal Directional Drilling (HDD) under Carbon Creek – Checked for potential bird/wildlife/Project interactions and compliance with COCs. Monitored for Frac-out. (see Photo Log). 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:** • None **Other Biological Resources Observations:** None • **Other Observations/Comments:** ٠ None

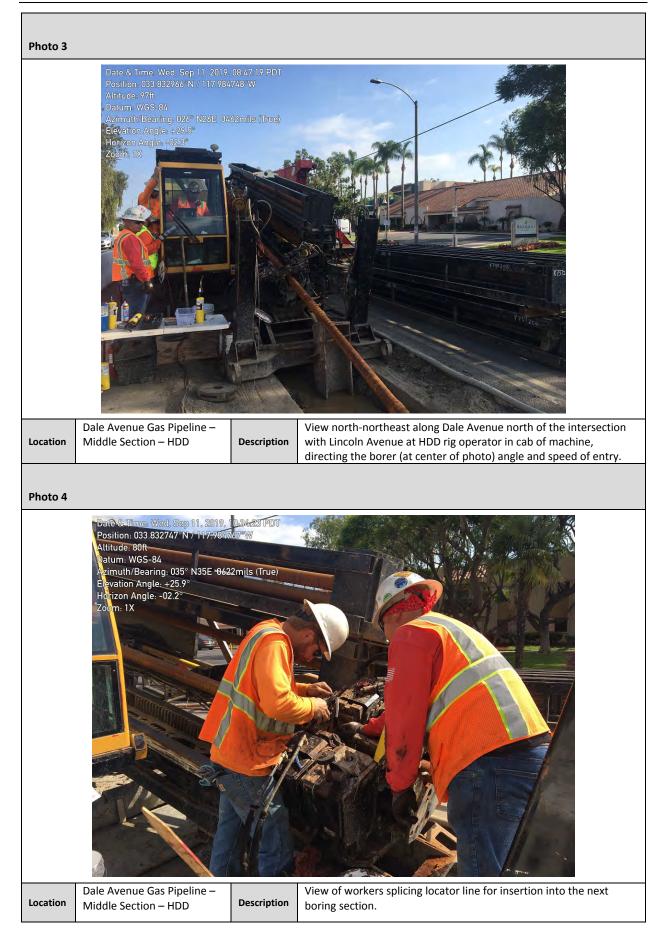
Items Requiring Action/Follow-up

• No specific items requiring follow-up Monitoring of work will continue during Project construction activities.

Wildlife Species Observed:

Birds: western gull (*Larus occidentalis*), mourning dove (*Zenaida macroura*), rock pigeon (*Columba livia*), American crow (*Corvus brachyrhynchos*), European starling (*Sturnus vulgaris*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*).









Stanton Energy Reliability Center (SERC) BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG									
Date Monitor(s) Time (Begin-End)									
September 12, 2	September 12, 2019 Ken Levenstein 07:00 – 17:30 Ava Edens 16:20-20:20								
Temperature (°F)	Wind	l (mph)	Precipitation amount	Visibility	We	ather Comment			
64 - 88	0	- 4	0 in	Good	Su	nny and warm			
Location(s) of Wor	k Site Ac	tivities Mo	nitored						
	ng (HDD) under Ca	arbon Creek – Che			ge Avenue), Horizontal nteractions and compliance with			
Summary of Biolog	gical Reso	ources Mor	nitoring Observatio	ns					
Bio-monitoring fo	or speci	al status s	pecies, nesting bi	rds, fossorial mam	mals, and other wildlife	е.			
Avenue asphalt. I equipment on-sit Witch vacuum m were removed ar frac-outs. At 110 that emptied ont contained and re use of the Ditch N Drilling mud with vacuum truck that tube reaching the drilling mud ceas day (ending at 20	Resourd nember Drilling te for cc achine in d drillin 6, drillin to the di Witch va in the c at was b e dry str ed. A cr)20). All	ns: ces Obsert mments: r spotted a was imme ontainmen mounted o ng resume ag mud wa ry sand of (approxim acuum ma ontainme rought in reambed b traces of	a small amount of idiately halted an it and clean-up. T on a trailer, stean id. Lookouts were so detected by the Carbon Creek un nately one wheel- ichine. When the nt area was vacu for the purpose a below. The north per remained in C	d crew was dispato he equipment inclu- n cleaning equipment stationed under a e observer under th der the bridge. Dril barrow load had le frac-out in Carbon umed as it appeare nd stationed on th end of the HDD exi arbon Creek with t	hed to initiate clean-u uded fiber-rolls, shovel ent, and a large vacuum nd on the Dale Avenue he bridge, oozing from ling was immediately h aked), first by placing Creek was cleaned and d by members of Califi e east side of the bridg t trench was reached i	s, disposal containers, a Ditch- n truck. All traces of a frac-out e Bridge to watch for additional a 3-inch diameter drain pipe nalted, and the drilling mud it in a drum, and then initiating d contained, drilling resumed. ornia Boring, using a larger ge, its large diameter vacuum n an hour or so and use of y for the remainder of the work			
Items Requiring Ac			ified of free out r						
		to be not	ified of frac-out p	JET BIU-9.					
Wildlife Species Observed: Birds: western gull (Larus occidentalis), mourning dove (Zenaida macroura), rock pigeon (Columba livia), American crow (Corvus brachyrhynchos), European starling (Sturnus vulgaris), house finch (Haemorhous mexicanus), house sparrow (Passer domesticus).									
Photo 1									



Photo 3			
	Date & Trins, Thu Sep 12, 2019 Position 003/880287*N / 117.984 Altitude: 841 Datum: WGS-84 Azimuth/Bearing: 002* N02E 00 Elevation Angle: +20.7* Horizon Angle: =02/5 Zorm: 1X		
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	Clean-up of drilling mud seeping from an old fissure in the Dale Avenue asphalt north of Carbon Creek. View facing north.
Photo 4			
	Date & Time: Thu, Sep 12, 2019, C Position: 033.830383: N / 117.9845 Altitude: 83ft Datum: WGS-84 Azimuth/Bearing: 309° N51W-54 Elevation Angle: -27.5° Horizon Angle: -23.6° Zoom: 1X	528°W	
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	Clean-up of drilling mud seeping from an old fissure in the Dale Avenue asphalt north of Carbon Creek. View facing west.

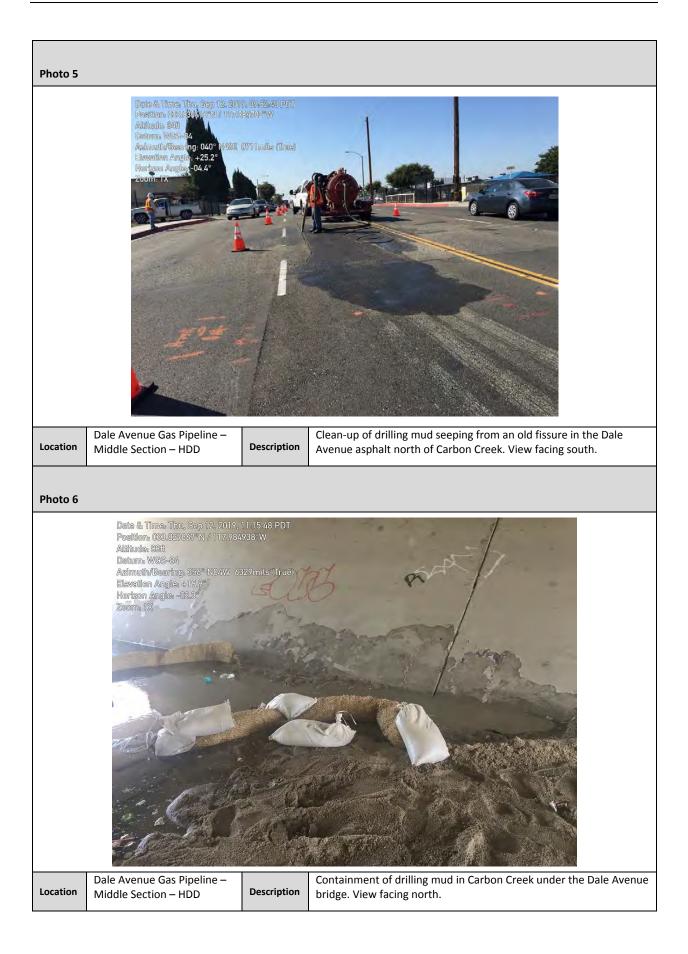


Photo 7			
	Dete & Time, Thu, Sep 12, 2019 Poetion, 053,5229745N (117,93 Altibude, 74H Datum, WGS-84 Admuth/Bearing, 358 N02W Elevation Angle - 23 3 Horizon Angle - 01.3 Zoom: 1X	4717°W	
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	Containment and clean-up of drilling mud in Carbon Creek under the Dale Avenue bridge. View facing north.
Photo 8			
	Dete & Hime. Hhu, Sep 12, 201 Position, 038,829974; N. / 117,9 Attitude 72th Detum, WGS 84 Avinuth/Bearing, 358 * N02W Elevation Angle, 421,9* Horizon, Angle, 400,9* Zoom 12	84717°W	
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	Containment and clean-up of drilling mud in Carbon Creek under the Dale Avenue bridge. View facing north.



	Stanton Energy Reliability Center (SERC)									
	BIOLOGICAL RESOURCES									
			COMPLI	ANCE MONITO	DRING LOG					
Date				Monitor		Time (Begin-End)				
September 13, 2	2019		ŀ	Ken Levenstein		06:45 - 19:45				
Temperature (°F)	Wine	d (mph)	Precipitation amount	Visibility	We	eather Comment				
66 – 94	0	- 5	0 in	Good	Su	nny and warm				
Location(s) of Wor	k Site Ac	tivities Mo	nitored							
SERC – Bio-monit	oring d	uring Proj	ect construction.							
Summary of Biolog	rical Res		nitoring Observatio	ns						
	·				mals, and other wildlif	ρ				
	or speer	ai status s	pecies, nesting si							
Special-Status Sp	oecies C	bserved:								
None Nesting Bird Obs	orvatio	nc.								
 None 	ervatio									
Other Biological	Resour	ces Obser	vations:							
None	10									
Other Observations/Comments:										
• None										
Items Requiring Ac	tion/Fol	low-up								
Any evi	idence o	of effects of	due to the frac-ou	ut will be watched	or.					

Wildlife Species Observed:

Birds: western gull (*Larus occidentalis*), mourning dove (*Zenaida macroura*), rock pigeon (*Columba livia*), black phoebe (*Sayornis nigricans*), American crow (*Corvus brachyrhynchos*), European starling (*Sturnus vulgaris*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*).



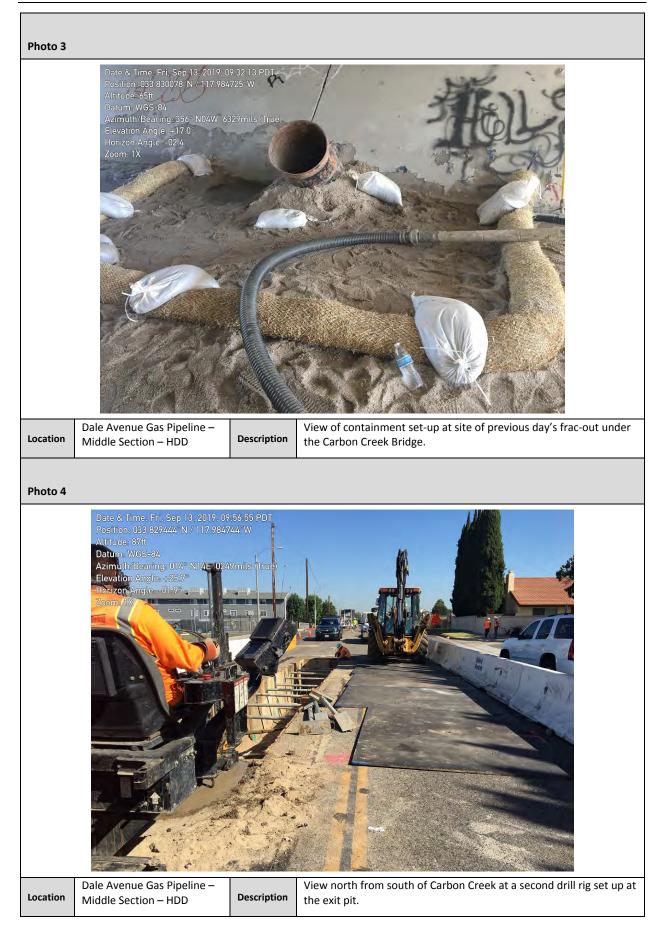
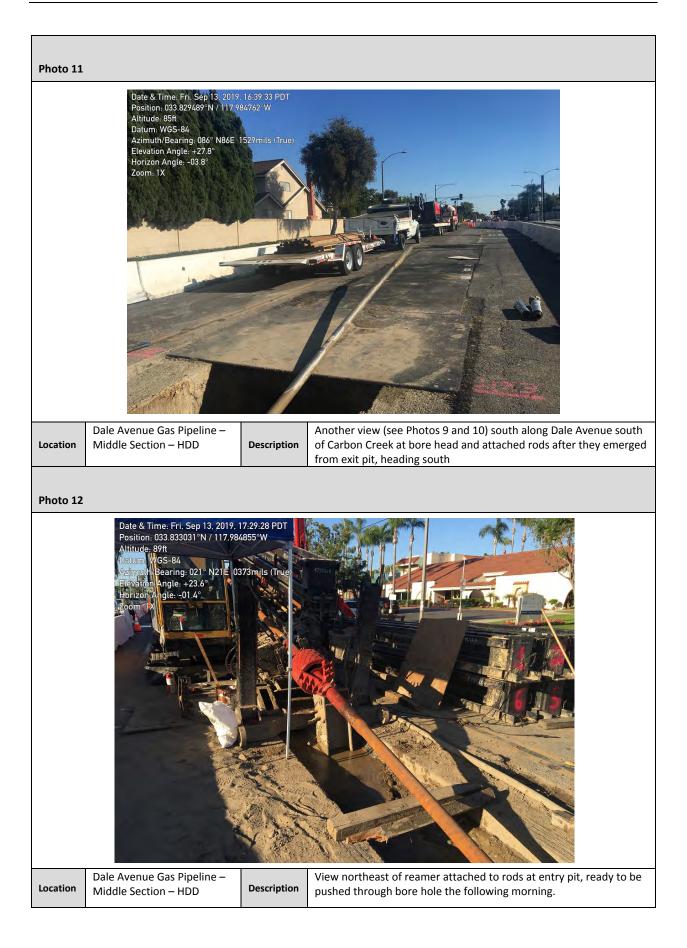


Photo 5			
	Data is time, fail Sep 13, 2017 Position, 033,827611, N/, 117, 5 Atitude: 90ft Datum: WGS-84 Azimuth/Bearing: 0.00 Elevation Angle: -03,17 Zoom: 1X		<image/>
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	Another view (south) from south of Carbon Creek at second drill rig set up at the exit pit.
Photo 6			
	Date & Time, Frii, Sep 13, 2019, 1 Position: 033.832893 NV-117, 984 Altitude: 102ft Datum: WGS-84 Azimuth/Bearing: 342° N18W (6 Elevation Angle: -28.3 Horizon Angle: -01.6 Zoom: 1X	725 W	
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	View northwest from mud pit at drillers working on primary drill rig at entry pit.

Photo 7			
	Date & Time, Frit Sep 13, 2019 Position, 033 832914 N / 117,6 Altrude, 2010 Datum, WCS: 84 Azimuth/Bearing: 356 * NO4W Elevation Angle - 01 9* Additional Content of the second of the s	84796 W	
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	View north at primary drill rig ready to begin drilling again with wireless system set up for collection of real-time data from bore head.
Photo 8	Date & Time: Frit-Sep 18, 2019, 1 Position 038 629 566 N / 117, 987 Attitude-981 Datums WSS-847 Azimuth/Bearing, 051 N N51E 07 Elevation Angle: -09 67 Hostion Angle: -09 67 Hostion 18		Aud flowing into out oit old of here had
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	Mud flowing into exit pit ahead of bore head.

Photo 9			
	Date & Ilime, Frit, Sep. US, 20, 9 Position, 033,829479, NJ, 117, 9 Datem 3VC \$486 Asinuth Bearing, 10-87, N5815 Elevation, Angle, F02, 25 Horizon, Angle, F03, 5 Zoom, 12	. 16.40(5) POT 6230(1) 1031(1)]:s (True)	
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	Bore head and attached rods emerge from mud in exit pit, heading south.
Photo 10			
	Date & Time: Fri. Sep 13. 2019. 1 Position: 033.829531'N / 117.984 Attitude: 76tt Datum: WGS-84 Azimuth/Bearing: 090° S90E 16 Elevation Angle: +27.7° Horizon Angle: -03.5° Zoom: 1X	751°W	
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	View south along Dale Avenue south of Carbon Creek at drillers cleaning bore head and attached rods as they emerge from exit pit, heading south



Stanton Energy Reliability Center (SERC)											
BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG											
Date											
September 14, 2	September 14, 2019 Cara Snellen 0700 – 1200 Ken Levenstein 1200 - 2330										
Temperature (°F)	Win	d (mph)	(mph) Precipitation Visibility Weather Comment								
66 – 94	1	- 6	0 in	Good	Morning f	og then sunny and hot					
Location(s) of Wor	k Site Ac	ctivities Mo	nitored								
SERC – Bio-monitoring during Project construction: Dale Avenue Natural Gas Pipeline, middle section (Between W Crescent Avenue and W Orange Avenue), Horizontal Directional Drilling (HDD) under Carbon Creek – checked for potential bird/wildlife/Project interactions and compliance with COCs. Monitored for frac-out. (see Photos).											
Summary of Biological Resources Monitoring Observations											
Special-Status Sp A Coop	ecies C er's hav	Observed:	ter cooperii; Calif		mals, and other wildlif of Fish and Wildlife Ser	e. rvice [CDFW] Watch List [WL])					

Nesting Bird Observations:

None

Other Biological Resources Observations:

None

Other Observations/Comments:

At approximately 1940, the HDD crew observed the return flow of drilling mud had ceased to be observed at the bore hole and no flow was entering the exit hole. There was also no flow observed at the location of two earlier frac-outs, the first, on Dale Avenue just north of the bridge, and the second, under the bridge, level with the Carbon Creek streambed. Drilling was halted and a search ensued for a possible frac-out at a new location. Within several minutes, drilling mud began appearing in fissures along the Dale Avenue roadbed, 1 to 3 meters E-NE of the first frac-out.

Members of the crew immediately began cleaning up the mud with shovels, a bucket, a Ditch-Witch and a hydro-vac truck. At its largest point, the mud covered an area approximately 25 to 35 feet by a varying width of 1 to 5 feet and was 0.25 to 0.75 inches deep at the eastern Dale Avenue gutter and above it, in the dirt, adjacent to the curb. The storm drains had been blocked off, so no mud entered the storm drains and no mud reached Carbon Creek. The mud continued to leak slowly through the fissures in the asphalt and, as it did, was vacuumed up by workers on the Ditch-Witch and/or the hydro-vac. In addition, the crew cleaned the asphalt where the frac-out had occurred with a high-pressure water hose (city water). Most of the water turned to mist and evaporated and a wet spot was left on the asphalt. Little to no water run-off was observed. The mud ceased seeping out of the pavement at approximately 2035.

A decision was made to continue to push through with the drilling and additional minor seepage of mud was vacuumed up as it appeared. By the end of work, evidence of a frac-out had been largely removed.

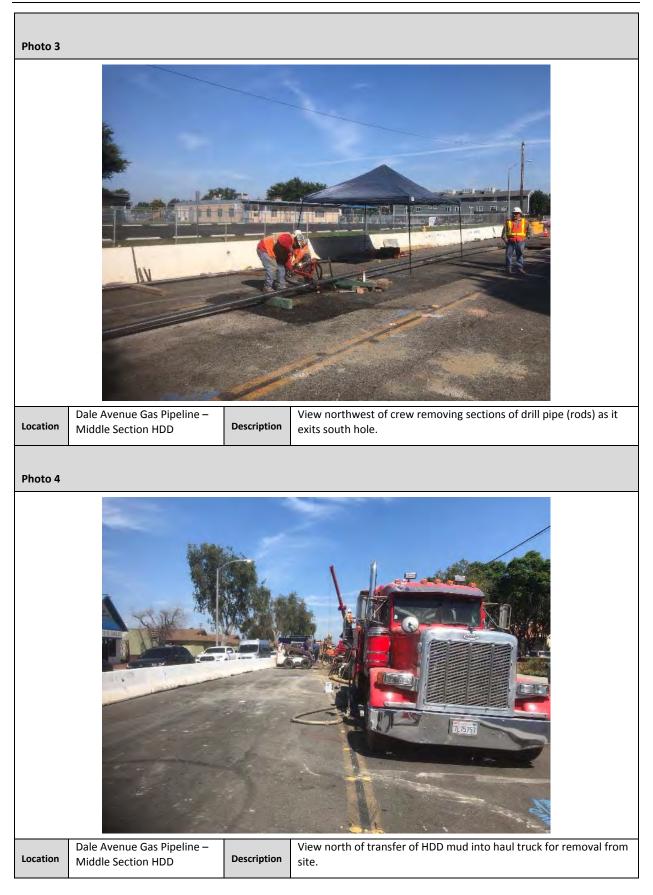
Items Requiring Action/Follow-up

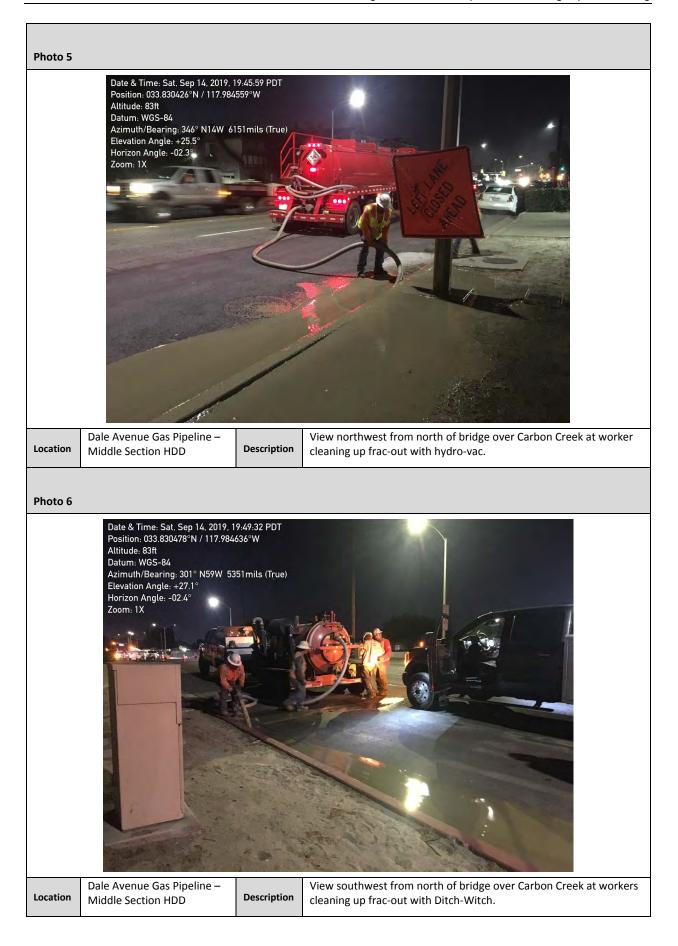
• CEC and CDFW to be notified of frac-out per BIO-9. Monitoring of work will continue during HDD activities.

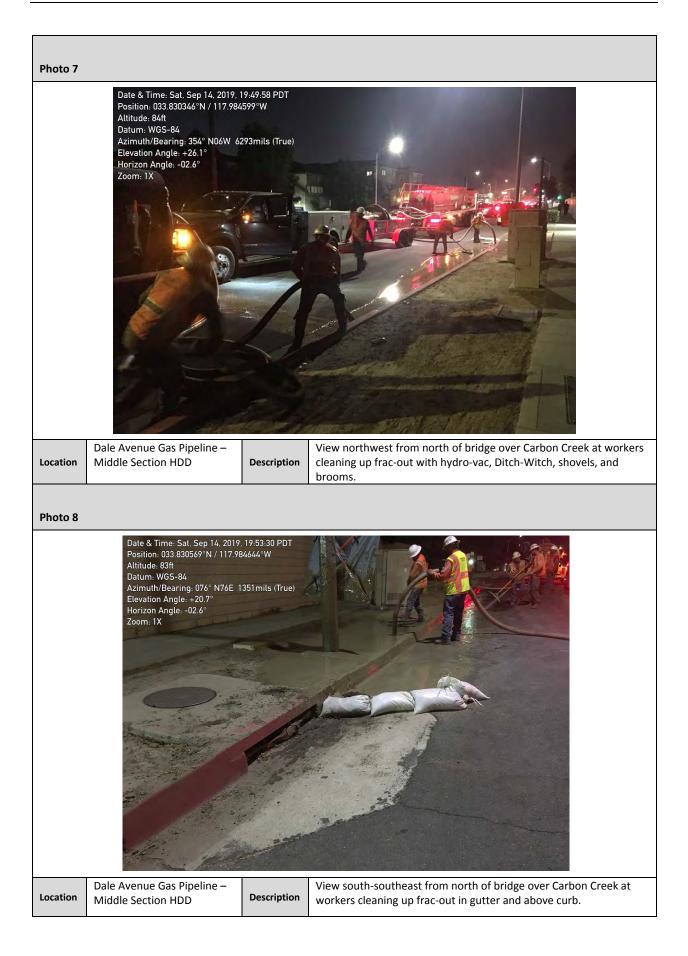
Wildlife Species Observed:

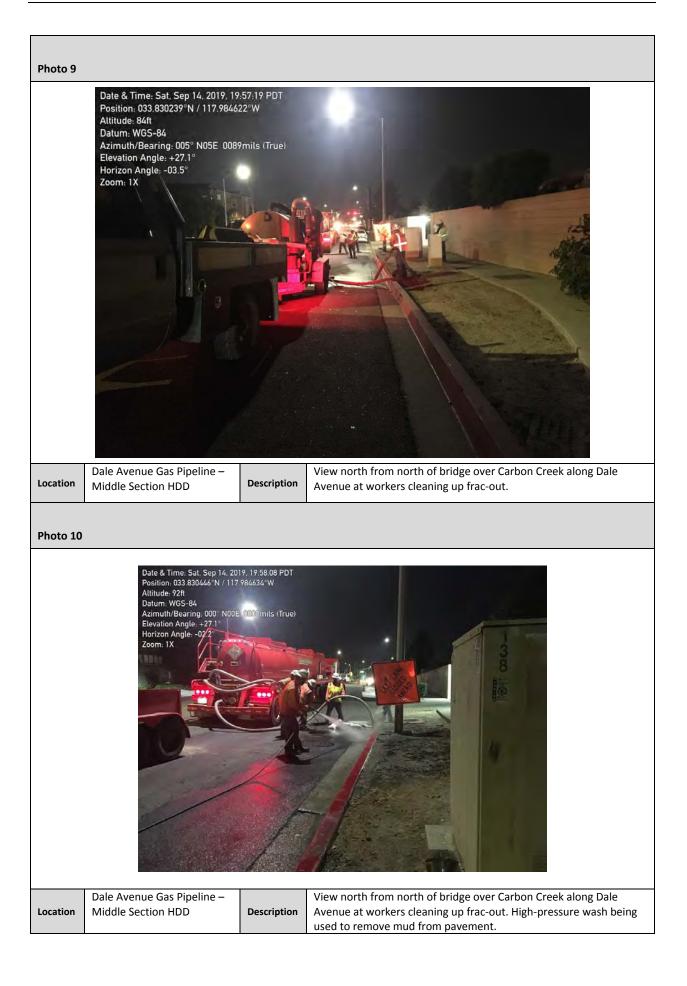
Birds: Eurasian collared dove (*Streptopelia decaocto*), mourning dove (*Zenaida macroura*), rock pigeon (*Columba livia*), black phoebe (*Sayornis nigricans*), American crow (*Corvus brachyrhynchos*), northern mockingbird (*Mimus polyglottos*), European starling (*Sturnus vulgaris*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*), Cassin's kingbird (*Tyrannus vociferans*), red-tailed hawk (*Buteo jamaicensis*), Allen's hummingbird (*Selasphorus sasin*), great egret (*Ardea alba*), Cooper's hawk.













Stanton Energy Reliability Center (SERC) BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG										
Date	Date Monitor Time (Begin-End)									
September 15, 2	2019			Cara Snellen		0700 - 1200				
Temperature (°F)	Wind	l (mph)	Precipitation amount	Visibility	We	eather Comment				
65 –92	()-2	0 in	Good	Morning fo	og then sunny and hot				
Location(s) of Wor	k Site Ac	tivities Mo	nitored							
	ural Gas	s Pipeline,	middle section (E			ge Avenue), Horizontal nteractions and compliance with				
Summary of Biolog	ical Reso	ources Mor	nitoring Observatio	ns						
None Nesting Bird Obs None Other Biological None Other Observation A small drilling m beginning of the stationed under the	Nesting Bird Observations: None Other Biological Resources Observations:									
Items Requiring Ac	tion/Fol	low-up								
CEC and	d CDFW	' to be not	tified of frac-out p	per BIO-9. Monitor	ing of work will continu	ue during HDD activities.				
Wildlife Species Observed:										
Birds: Eurasian collared dove (<i>Streptopelia decaocto</i>), mourning dove (<i>Zenaida macroura</i>), rock pigeon (<i>Columba livia</i>), black phoebe (<i>Sayornis nigricans</i>), American crow (<i>Corvus brachyrhynchos</i>), northern mockingbird (<i>Mimus polyglottos</i>), European starling (<i>Sturnus vulgaris</i>), house finch (<i>Haemorhous mexicanus</i>), house sparrow (<i>Passer domesticus</i>), Cassin's kingbird (<i>Tyrannus vociferans</i>), Allen's hummingbird (<i>Selasphorus sasin</i>), Western [California] scrub jay (<i>Aphelocoma calfornica</i>), barn swallow (<i>Hirundo rustica</i>).										







Stanton Energy Reliability Center (SERC)						
			BIOI	LOGICAL RESO	URCES	
COMPLIANCE MONITORING LOG						
Date				Monitor		Time (Begin-End)
September 15- 2019	-16,		k	Ken Levenstein		1200 - 0345
Temperature (°F)	Win	d (mph)	Precipitation amount	Visibility	We	eather Comment
65 – 85	2	- 6	0 in	Good	٦	Mostly sunny
Location(s) of Worl	k Site Ad	tivities Mo	nitored			
SERC – Bio-monit	oring d	uring Proi	ect construction:			
COCs.				-		nteractions and compliance with
Bio-monitoring fo	or speci	al status s	pecies, nesting bi	rds, fossorial mam	mals, and other wildlif	е.
Special-Status Sp	ocios (bserved				
None		/b3c1vcu.				
Nesting Bird Obs	ervatio	ns:				
None						
Other Biological	Resour	ces Obser	vations:			
None						
Other Observations/Comments:						
A small drilling mud seep was identified in an old asphalt crack at on Dale Avenue at the beginning of the monitoring period (see monitoring report by Cara Snellen for 9/15/2019).						
Items Requiring Ac	tion/Fo	llow-up				
No spec	cific ite	ms requiri	ng follow-up. Mo	nitoring of work w	Il continue during Proj	ect construction activities.

Wildlife Species Observed:

Birds: Eurasian collared dove (*Streptopelia decaocto*), mourning dove (*Zenaida macroura*), rock pigeon (*Columba livia*), black phoebe (*Sayornis nigricans*), American crow (*Corvus brachyrhynchos*), northern mockingbird (*Mimus polyglottos*), European starling (*Sturnus vulgaris*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*), Cassin's kingbird (*Tyrannus vociferans*), and Allen's hummingbird (*Selasphorus sasin*).



Photo 3			
	Date & Time, Sun, Sep 15, 20 Position: 033.832977' N / 117. Altitude: 90ft Datum: WGS-84 Azimuth/Bearing: 073' N73E Elevation Angle: -03.0 Zooth 1X	984713°W	
Location	Dale Avenue Gas Pipeline – Middle Section HDD	Description	View southeast at entry pit (foreground), the mud pit, just beyond, and portion of recycler at right in photo. Sound baffle installed the previous night is visible at center of photo.
Photo 4			
	Date A Trave, Som, Sop 18, 3 Position 403, 227535 AJ / 1 Altitude: 881 Datum: WGS 86 Azimuth/Bearing: 0365 SS Elevation Angle -00.7 Zoom: 1X	7.904022**9	
Location	Dale Avenue Gas Pipeline – Middle Section HDD	Description	View south from exit pit at long train of rods ready to be pulled north back through the bore hole to the entry pit north of Lincoln Avenue.





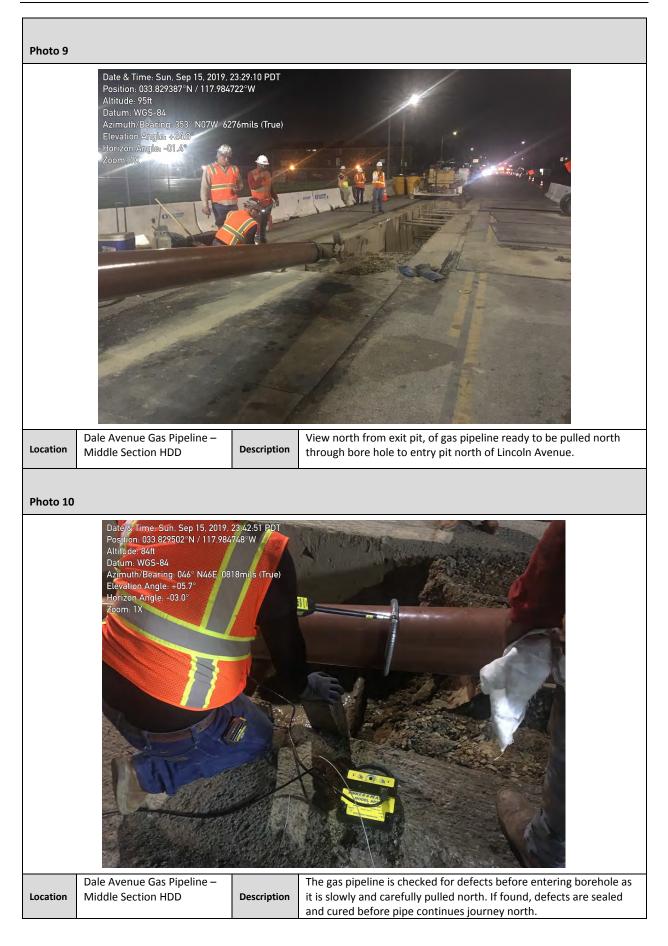
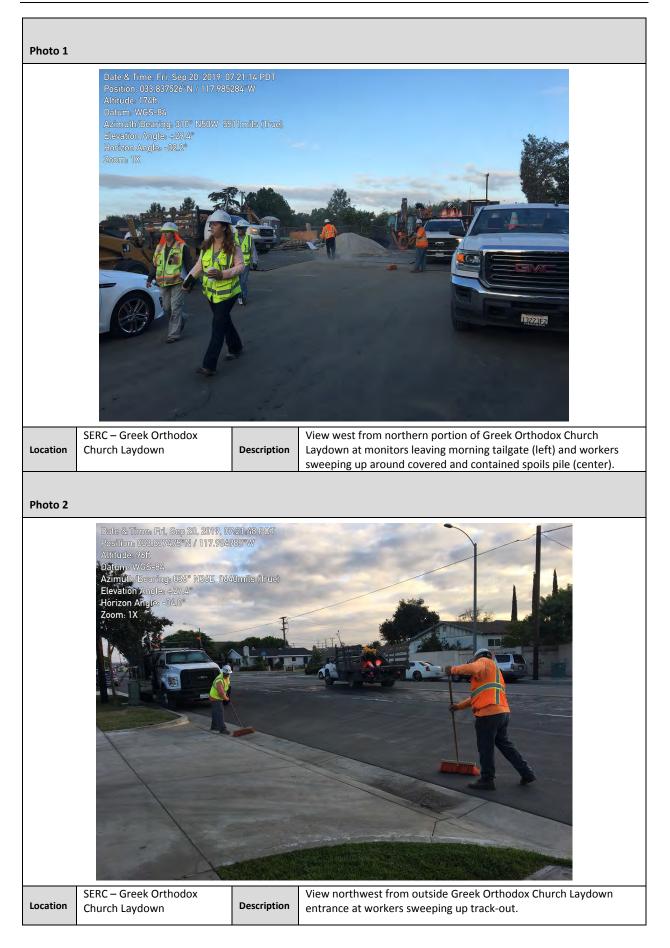


Photo 11			
	Date & Time: Mon. Sep 16. 27 Position: 033 828432'N / 117 Altitude: 90ft Datum: WGS-842 Azimuth/Bearing: 025' N259 Elevation Angle: -2275 Horizon Angle: -2275 Horizon Angle: -2711 Zoom: X	984691 W	
Location	Dale Avenue Gas Pipeline – Middle Section HDD	Description	View north from intersection of Broadway and Dale Avenues at long train of gas pipeline as it is being pulled slowly north through borehole under Carbon Creek towards exit pit north of Lincoln Avenue.
Photo 12			
	Date & Time: Mon. Sep 16. 20 Position: 033.829412°N / 117.9 Altitude: 89ft Datum: WGS-84 Azimuth/Bearing: 074° N74E Elevation Angle: -01.2 Zoom: 1X	284800°W	
Location	Dale Avenue Gas Pipeline – Middle Section HDD	Description	Another view of worker checking gas pipeline for defects as it continues to be pulled slowly north through borehole under Carbon Creek.

			BIOL	rgy Reliability OGICAL RESC ANCE MONITO			
Date Monitor Time (Begin-End)							
September 20,	2019		k	(en Levenstein		06:45 - 15:15	
Temperature (°F)	Wind	(mph)	Precipitation amount	Visibility	We	eather Comment	
66 – 80	0 -	- 4	0 in	Good	Partly cloudy e	arly, then sunny and warm	
Location(s) of Wor	k Site Acti	vities Mo	nitored				
Western SERC Pa and SWPPP; dust equipment/mate Eastern SERC Par SWPPP; ongoing	arcel – Bio suppres erials; rep cel – Bio activities	o-monito sion, pipe oorting. (s -monitore related t	e fabrication, abo see Photo Log). ed. Checked for p	ve-ground infrastr otential bird/wildl	ucture work, receiving	ns and compliance with COCs and movement of s and compliance with COCs and of equipment/materials;	
activity. Western SCE Lay	urking Lot down – E	: – Bio-mo Bio-monit	ored. Checked fo	r potential bird/wi	-	ea (as accessible) for nesting	
equipment/mate Eastern SCE Layd and SWPPP; surv equipment/mate	erials, rep own – Bi reyed Par erials, rep	orting. o-monitc cel and s orting.	ored. Checked for urrounding area (potential bird/wild as accessible) for i	dlife/Project interaction nesting activity, receivi	ns and compliance with COCs	
Greek Orthodox Checked for pote	Church L ential bird	aydown - d/wildlife	- Surveyed church	ons and compliand		cessible) for nesting activity. rication, receiving and	
Dale Avenue Pipeline, Northern and Middle Sections – Surveyed area adjacent to pipeline (as accessible) for nesting activity. Checked for potential bird/wildlife/Project interactions and compliance with COCs. Excavation, pipefitting, reporting. (see Photo Log).							
Summary of Biolog	gical Reso	urces Mon	itoring Observatio	ns			
Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife. Special-Status Species Observed: None Nesting Bird Observations: None Other Biological Resources Observations: None Other Observations/Comments:							
 None 		mento.					
Items Requiring Ac		-	ng follow-up Mor	itoring of work wi	I continue during Proj	ect construction activities.	
Wildlife Species O	oserved:						

mourning dove (*Zenaida macroura*), rock pigeon (*Columba livia*), black phoebe (*Sayornis nigricans*), American crow (*Corvus brachyrhynchos*), northern mockingbird (*Mimus polyglottos*), European starling (*Sturnus vulgaris*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*).



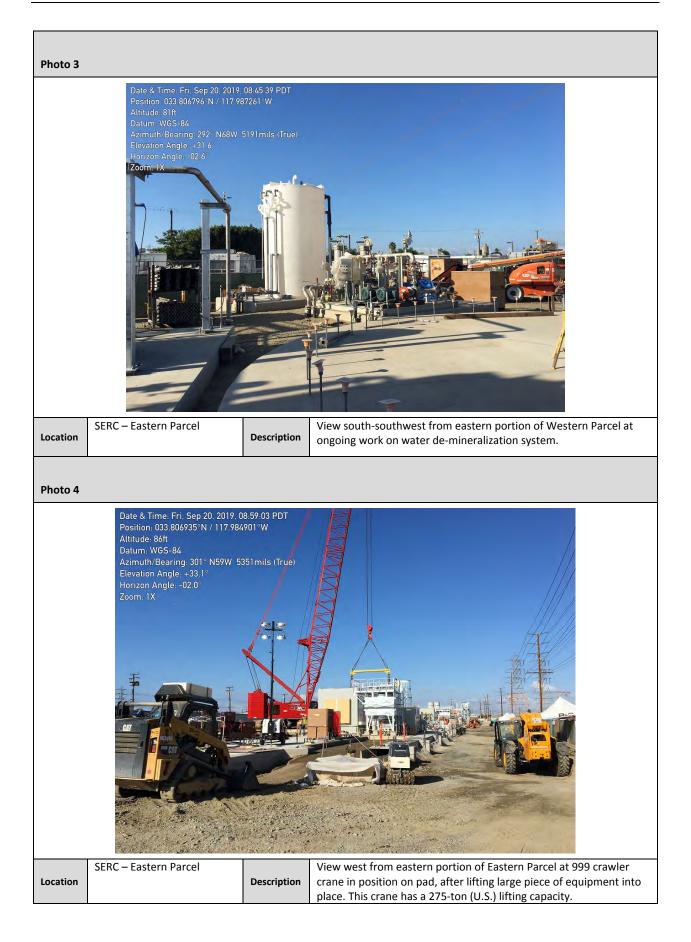










Photo 13			
	Date & Time: Fri. Sep 20. 2019 Position: 033.837056'N / 117.9 Altitude: 86ft Datum: WGS-84 Azimuth/Bearing: 022 N22E Elevation Angle: -02.1° Zoom: 1X	'85308°W	
Location	SERC – Greek Orthodox Church Laydown	Description	View north-northeast from southern portion of Greek Orthodox Church Laydown.
Photo 14		1	
	Date & Time. Fri. Sep 20, 2019. Position. 033 837575'N / 117.98 Altitude: 100ft Datum: WGS-84 Azimuth/Bearing. 140'' S40E 24 Elevation Angle: +30.3 Horizon Angle: -02.5'' Zoom; 1X	5186°W	
Location	SERC – Greek Orthodox Church Laydown	Description	View southeast from northern portion of Greek Orthodox Church laydown. Area at center of photo is where pipe fabricators conduct their work.

Stanton Energy Reliability Center (SERC) BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG						
Date				Monitor		Time (Begin-End)
September 27, 2	2019		ł	Ken Levenstein		06:45 - 15:15
Temperature (°F)	Wind	i (mph)	Precipitation amount	Visibility	We	eather Comment
65 – 82	0	- 5	0 in	Good	Ν	Aostly cloudy
Location(s) of Wor	k Site Ac	tivities Mo	nitored			
SERC – Bio-monit	oring d	uring Proj	ect construction:			
and SWPPP; dust equipment/mate Eastern SERC Par SWPPP; ongoing	suppre rials; re cel – Bio activitio	ssion, pip porting. (s p-monitor ss related	e fabrication, abc see Photo Log). ed. Checked for p	ove-ground infrastr	ucture work, receiving	ns and compliance with COCs and movement of s and compliance with COCs and of equipment/materials;
			onitored. Survey	ed church parking I	ot and surrounding are	ea (as accessible) for nesting
	eyed Pa	rcel and s		•	ldlife/Project interacti nesting activity, receivi	ons and compliance with COCs ing and movement of
	eyed Pa	ircel and s	urrounding area		dlife/Project interactio nesting activity, receivi	ns and compliance with COCs ing and movement of
				d for potential bird ccessible) for nestir		actions and compliance with
	ntial bi	rd/wildlife	/Project interact		urrounding area (as ac e with COCs. Pipe fabr	cessible) for nesting activity. rication, receiving and
	ntial bi	rd/wildlife	/Project interact			s accessible) for nesting activity. cutting, excavation, pipefitting,
Summary of Biolog	ical Res	ources Mor	nitoring Observatio	ns		
					mals, and other wildlif	е.
Special-Status Species Observed: • None Nesting Bird Observations: • None Other Biological Resources Observations: • None Other Observations/Comments:						
None Items Requiring Action/Follow-up						
No specific items requiring follow-up Monitoring of work will continue during Project construction activities.						
Wildlife Species Of	oserved:					
mourning dove (. brachyrhynchos),	Zenaida commo	<i>macroure</i> on raven (a), rock pigeon (C Corvus corax), no	olumba livia), blac	k phoebe (Sayornis nig d (Mimus polyglottos),	ed dove (<i>Streptopelia decaocto</i>), <i>ricans</i>), American crow (<i>Corvus</i> European starling (<i>Sturnus</i>



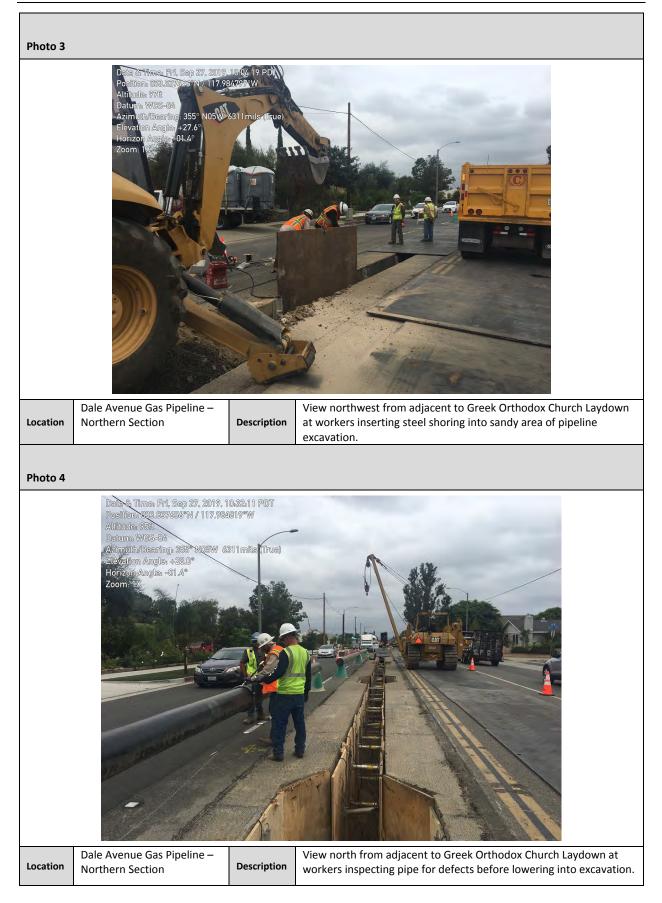






Photo 9			
	Bate & Time, Fri, Sep 27, 2019 Position, 053(806822, N./ 1177 Althurde, 93ff Datem, W495-86 Adiatuth/Beerling/0800* N80E Revertor Angle, 427/4* Horizon Angle, 427.4* Rom 1%	287285 W	
Location	SERC – Western Parcel	Description	View south from eastern portion of Western Parcel water de- mineralization tank foundation construction.
Photo 10			
	Dets & Time: Fri, Sep 27, 2019, Position: 033.807024*N / 112,98 Altitude: 75ft Datum: WGS-84 Azimuth/Bearing: 055* N55E 0: Elevation Angle: +30.4* Horizon Angle: -03.2* Zoom: 1X	\$312"W	





Appendix B Wildlife Species List

Observed Wildlife Species List September 1 – September 30, 2019 Stanton Energy Reliability Center							
Common Name Scientific Name Federal/State/Other							
Birds		-					
Allen's hummingbird	Selasphorus sasin	//					
American crow	Corvus brachyrhynchos	//					
Barn swallow	Hirundo rustica	//					
Black phoebe	Sayornis nigricans	//					
California scrub jay	Aphelocoma californica	//					
Cassin's kingbird	Tyrannus vociferans	//					
Cooper's hawk	Accipiter cooperii	/WL/					
Eurasian collared dove	Streptopelia decaocto	//NP					
European starling	Sturnus vulgaris	//NP					
Great egret	Ardea alba	//					
House finch	Haemorhous mexicanus	//					
House sparrow	Passer domesticus	//NP					
Killdeer	Charadrius vociferus	//					
Mourning dove	Zenaida macroura	//					
Northern mockingbird	Mimus polyglottos	//					
Red-tailed hawk	Buteo jamaicensis	//					
Rock pigeon	Columba livia	//NP					
Western gull	Larus occidentalis	//					

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 C Incident Reports

Edens, Ava/SCO

From:	Edens, Ava/SCO
Sent:	Friday, September 13, 2019 11:58 AM
To:	Heiser, John@Energy; Valand, Andrew@Wildlife
Cc:	Matthew.Layton@energy.ca.gov; Eric.Knight@energy.ca.gov; Jonathan.Fong@energy.ca.gov;
	jon.hilliard@energy.ca.gov; Tim Bofman; Gary Franzen; Davy, Doug/SAC; Parker, Karen/SAC
Subject:	Stanton Energy Reliability Center (16-AFC-1): BIO-9 Frac-Out Notification
Attachments:	2019-09-12_SERC_HDD_Bio-MonitoringReport.pdf

Dear John,

This email serves as a notification for the Stanton Energy Reliability Center (SERC), 16-AFC-1, in compliance with California Energy Commission Condition of Certification BIO-9.

Yesterday (9/12/19) during the HDD activity for the natural gas pipeline, frac-out occurred on Dale Ave. and in the Carbon Creek channel below Dale Ave. A biological monitor was onsite and information regarding the frac-out is included in the attached report.

Thanks,

Ava

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

Stanton Energy Reliability Center (SERC) BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG							
Date	Date Monitor(s) Time (Begin-End)						
September 12, 2	September 12, 2019 Ken Levenstein 07:00 – 17:30 Ava Edens 16:20-20:20						
Temperature (°F)	Wind	l (mph)	Precipitation amount	Visibility	We	ather Comment	
64 - 88	0	- 4	0 in	Good	Su	nny and warm	
Location(s) of Wor	k Site Ac	tivities Mo	nitored				
	ng (HDD) under Ca	arbon Creek – Che			ge Avenue), Horizontal nteractions and compliance with	
Summary of Biolog	gical Reso	ources Mor	nitoring Observatio	ns			
Bio-monitoring fo	or speci	al status s	pecies, nesting bi	rds, fossorial mam	mals, and other wildlife	е.	
Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife. Special-Status Species Observed: None Nesting Bird Observations: None Other Biological Resources Observations: None Other Biological Resources Observations: None Other Observations/Comments: At 0930, a crew member spotted a small amount of drilling mud that had begun seeping from an old fissure in the Dale Avenue asphalt. Drilling was immediately halted and crew was dispatched to initiate clean-up work. The crew had equipment on-site for containment and clean-up. The equipment included fiber-rolls, shovels, disposal containers, a Ditch- Witch vacuum machine mounted on a trailer, steam cleaning equipment, and a large vacuum truck. All traces of a frac-out were removed and drilling resumed. Lookouts were stationed under and on the Dale Avenue Bridge to watch for additional frac-outs. At 1106, drilling mud was detected by the observer under the bridge. Orilling was immediately halted, and the drilling mud contained and removed (approximately one wheel-barrow load had leaked), first by placing it in a drum, and then initiating use of the Ditch Witch vacuum machine. When the frac-out in Carbon Creek was cleaned and contained, drilling resumed. Drilling mud within the containment area was vacuumed as it appeared by members of California Boring, using a larger vacuum truck that was brought in for the purpose and stationed on the trach was reached in an hour or so and use of drilling mud ceased. A crew member remained in Carbon Creek with the vacuum at the ready for the remainder of the work day (ending at 2020). All traces of the frac-out had been removed and appeared stable at the end of the work day.							
Items Requiring Ac			ified of free out r	or PIO 0			
		to be not	ified of frac-out p	JET BIU-9.			
Wildlife Species Ob	oserved:						
Birds: western gull (<i>Larus occidentalis</i>), mourning dove (<i>Zenaida macroura</i>), rock pigeon (<i>Columba livia</i>), American crow (<i>Corvus brachyrhynchos</i>), European starling (<i>Sturnus vulgaris</i>), house finch (<i>Haemorhous mexicanus</i>), house sparrow (<i>Passer domesticus</i>).							
Photo 1							



Photo 3			
	Date & Trins, Thu Sep 12, 2019 Position 003/880287*N / 117.984 Altitude: 841 Datum: WGS-84 Azimuth/Bearing: 002* N02E 00 Elevation Angle: +20.7* Horizon Angle: =02/5 Zorm: 1X		
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	Clean-up of drilling mud seeping from an old fissure in the Dale Avenue asphalt north of Carbon Creek. View facing north.
Photo 4			
	Date & Time: Thu. Sep 12, 2019. C Position: 033.830383 N / 117.9844 Altitude: 83ft Datum: W65-84 Azimuth/Bearing: 309° N51W 54 Elevation Angle: +27.5° Horizon Angle: -03.6° Zoom: 1X	528°W	
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	Clean-up of drilling mud seeping from an old fissure in the Dale Avenue asphalt north of Carbon Creek. View facing west.

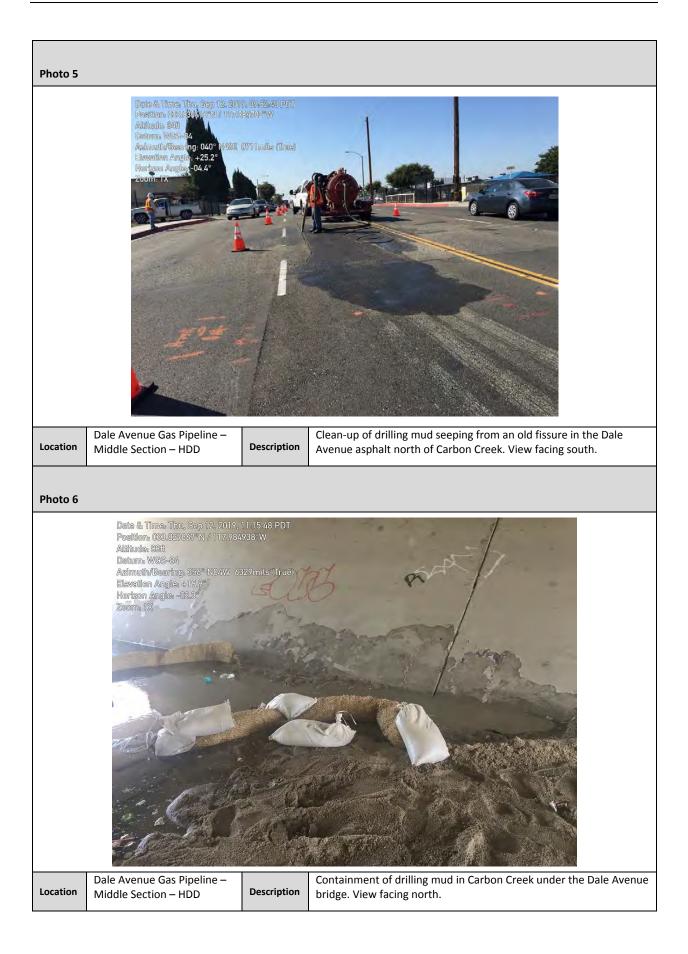


Photo 7			
	Dete & Time: Thu, Sep 12, 2019 Position: 053,62299745N (1117.93 Attibude: 74/t Datum: WG5-84 Admuth/Bearing: 358: N02W Elevation Angle: -23.3 Horizon Angle: -01.3 Zoom: 1X	34717°W	
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	Containment and clean-up of drilling mud in Carbon Creek under the Dale Avenue bridge. View facing north.
Photo 8			
	Date & Time. Thu. Sep 12. 201 Position. 033 829974. N./ 117.9 Atthude. 7215 Datum. WGS-84 Avinuth Bearing. 358 N02W Elevation Angle. 421.9° Horizon. Angle. 400.9° 200m. 12	84717°W	
Location	Dale Avenue Gas Pipeline – Middle Section – HDD	Description	Containment and clean-up of drilling mud in Carbon Creek under the Dale Avenue bridge. View facing north.



Edens, Ava/SCO

From:	Edens, Ava/SCO
Sent:	Monday, September 16, 2019 11:29 AM
То:	Heiser, John@Energy; Valand, Andrew@Wildlife
Cc:	Matthew.Layton@energy.ca.gov; Eric.Knight@energy.ca.gov; Jonathan.Fong@energy.ca.gov;
	jon.hilliard@energy.ca.gov; Tim Bofman; Gary Franzen; Davy, Doug/SAC; Parker, Karen/SAC
Subject:	Stanton Energy Reliability Center (16-AFC-1): BIO-9 Frac-Out Notification 2
Attachments:	2019-09-14_SERC_HDD_Bio-MonitoringReport.pdf; 2019-09-15_SERC_HDD_Bio-
	MonitoringReport.pdf

Dear John,

This email serves as a notification for the Stanton Energy Reliability Center (SERC), 16-AFC-1, in compliance with California Energy Commission Condition of Certification BIO-9.

Over the weekend, during the HDD activity for the natural gas pipeline, frac-out occurred on Dale Avenue, just north of the Carbon Creek bridge. The frac-out occurred Saturday (9/14/19) night and seepage was observed again at the same location the following morning. A biological monitor was onsite and information regarding the frac-out is included in the attached reports.

Thanks, Ava

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

Stanton Energy Reliability Center (SERC)								
BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG								
Date		Monitor				Time (Begin-End)		
September 14, 2019		Cara Snellen Ken Levenstein			0700 – 1200 1200 - 2330			
Temperature (°F)	Win	d (mph)	Precipitation amount	Visibility	We	Weather Comment		
66 – 94	1	- 6	0 in	Good	Morning f	Morning fog then sunny and hot		
Location(s) of Work Site Activities Monitored								
SERC – Bio-monitoring during Project construction: Dale Avenue Natural Gas Pipeline, middle section (Between W Crescent Avenue and W Orange Avenue), Horizontal Directional Drilling (HDD) under Carbon Creek – checked for potential bird/wildlife/Project interactions and compliance with COCs. Monitored for frac-out. (see Photos).								
Summary of Biological Resources Monitoring Observations								
Bio-monitoring for special status species, nesting birds, fossorial mammals, and other wildlife. Special-Status Species Observed: A Cooper's hawk (Accipiter cooperii; California Department of Fish and Wildlife Service [CDFW] Watch List [WL]) was observed flying over the site.								

Nesting Bird Observations:

None

Other Biological Resources Observations:

None

Other Observations/Comments:

At approximately 1940, the HDD crew observed the return flow of drilling mud had ceased to be observed at the bore hole and no flow was entering the exit hole. There was also no flow observed at the location of two earlier frac-outs, the first, on Dale Avenue just north of the bridge, and the second, under the bridge, level with the Carbon Creek streambed. Drilling was halted and a search ensued for a possible frac-out at a new location. Within several minutes, drilling mud began appearing in fissures along the Dale Avenue roadbed, 1 to 3 meters E-NE of the first frac-out.

Members of the crew immediately began cleaning up the mud with shovels, a bucket, a Ditch-Witch and a hydro-vac truck. At its largest point, the mud covered an area approximately 25 to 35 feet by a varying width of 1 to 5 feet and was 0.25 to 0.75 inches deep at the eastern Dale Avenue gutter and above it, in the dirt, adjacent to the curb. The storm drains had been blocked off, so no mud entered the storm drains and no mud reached Carbon Creek. The mud continued to leak slowly through the fissures in the asphalt and, as it did, was vacuumed up by workers on the Ditch-Witch and/or the hydro-vac. In addition, the crew cleaned the asphalt where the frac-out had occurred with a high-pressure water hose (city water). Most of the water turned to mist and evaporated and a wet spot was left on the asphalt. Little to no water run-off was observed. The mud ceased seeping out of the pavement at approximately 2035.

A decision was made to continue to push through with the drilling and additional minor seepage of mud was vacuumed up as it appeared. By the end of work, evidence of a frac-out had been largely removed.

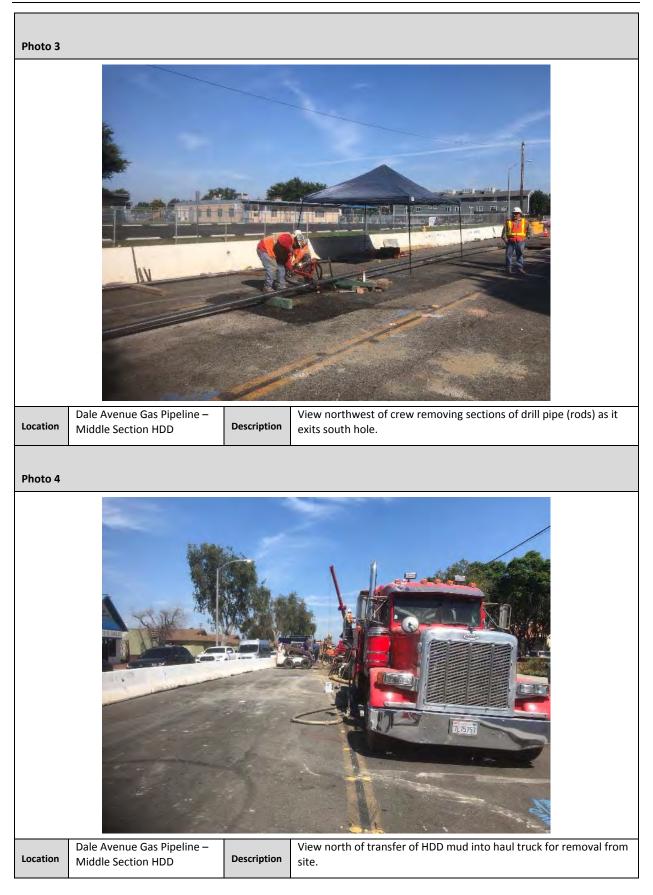
Items Requiring Action/Follow-up

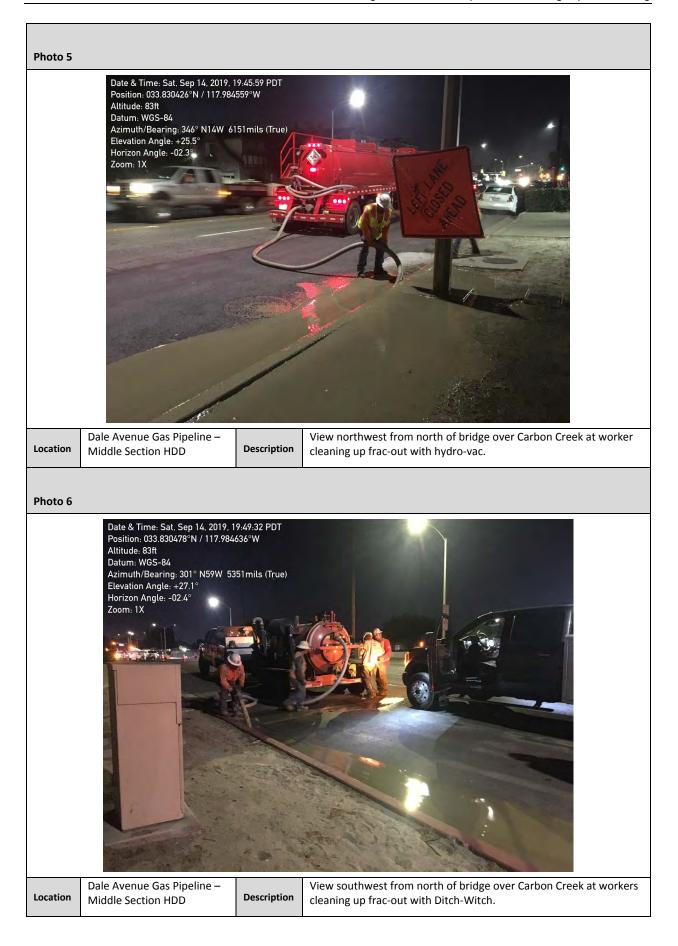
• CEC and CDFW to be notified of frac-out per BIO-9. Monitoring of work will continue during HDD activities.

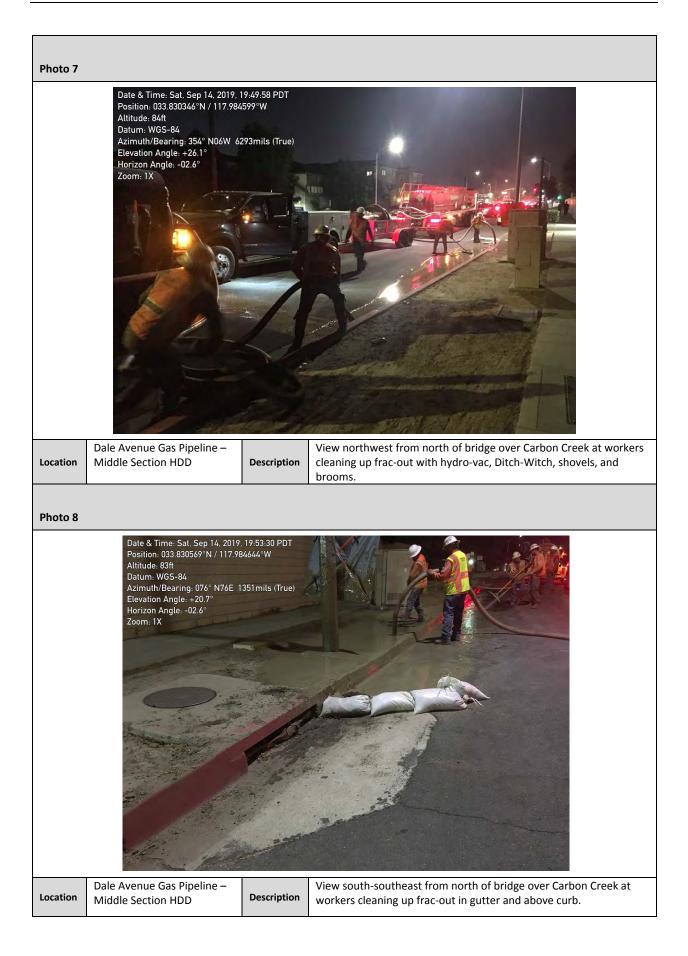
Wildlife Species Observed:

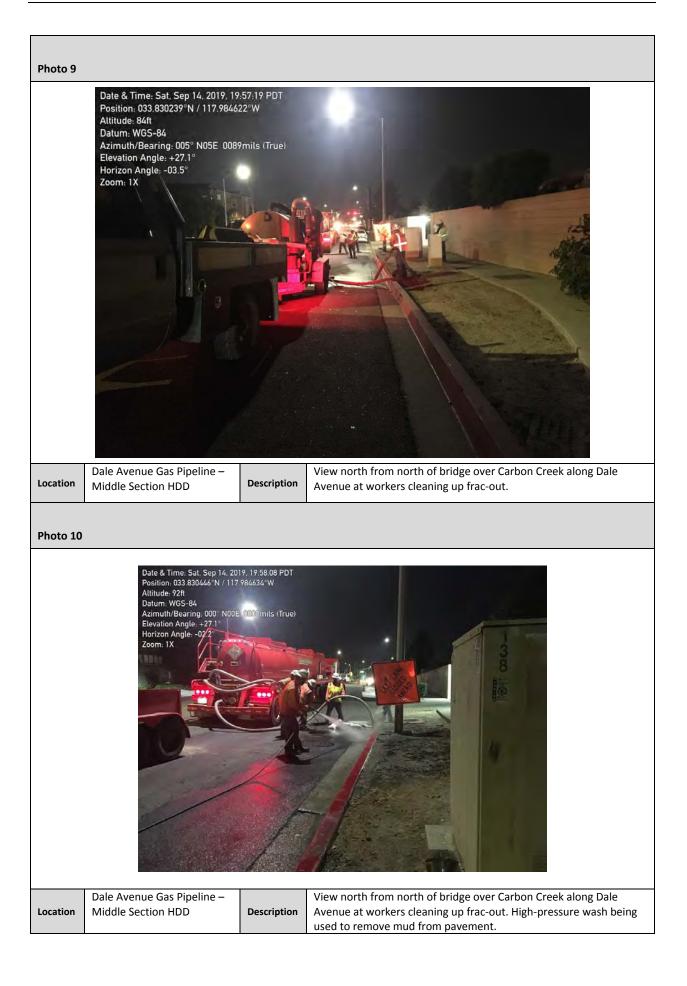
Birds: Eurasian collared dove (*Streptopelia decaocto*), mourning dove (*Zenaida macroura*), rock pigeon (*Columba livia*), black phoebe (*Sayornis nigricans*), American crow (*Corvus brachyrhynchos*), northern mockingbird (*Mimus polyglottos*), European starling (*Sturnus vulgaris*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*), Cassin's kingbird (*Tyrannus vociferans*), red-tailed hawk (*Buteo jamaicensis*), Allen's hummingbird (*Selasphorus sasin*), great egret (*Ardea alba*), Cooper's hawk.













Stanton Energy Reliability Center (SERC) BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG							
Date				Monitor		Time (Begin-End)	
September 15, 2	2019			Cara Snellen		0700 – 1200	
Temperature (°F)	Wind	l (mph)	Precipitation amount	Visibility	We	eather Comment	
65 –92	()-2	0 in	Good	Morning fo	og then sunny and hot	
Location(s) of Wor	k Site Ac	tivities Mo	nitored				
	ural Gas	s Pipeline,	middle section (E			ge Avenue), Horizontal nteractions and compliance with	
Summary of Biolog	ical Reso	ources Mor	nitoring Observatio	ns			
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: None Other Biological Resources Observations: None Other Observations/Comments: A small drilling mud seep was identified in an old asphalt crack at the earlier Dale Avenue frac-out area (9/14/19) at the beginning of the monitoring period. Clean-up and monitoring by the HDD crew was reinitiated; including a look-out stationed under the Carbon Creek bridge to monitor for any additional signs of frac-out. The seep appeared to stop at approximately 1130.							
Items Requiring Ac	tion/Fol	low-up					
CEC and	d CDFW	' to be not	tified of frac-out p	per BIO-9. Monitor	ing of work will continu	ue during HDD activities.	
				.			
phoebe (Sayornis starling (Sturnus (Tyrannus vocifer	Wildlife Species Observed: Birds: Eurasian collared dove (Streptopelia decaocto), mourning dove (Zenaida macroura), rock pigeon (Columba livia), black phoebe (Sayornis nigricans), American crow (Corvus brachyrhynchos), northern mockingbird (Mimus polyglottos), European starling (Sturnus vulgaris), house finch (Haemorhous mexicanus), house sparrow (Passer domesticus), Cassin's kingbird (Tyrannus vociferans), Allen's hummingbird (Selasphorus sasin), Western [California] scrub jay (Aphelocoma calfornica), barn swallow (Hirundo rustica).						











Appendix D WEAP Training Logs

Stanton Energy Reliability Center (SERC) Project, Orange County, California Cultural, Paleontological, and Biological Resources Education Program Verification All On-Site Employees

No.	Employee Name	Company	Signature	Date
1.	FALVAIUN YADILIA ENRIQUE	ARB	Julia Vorkille	09-03-19.
2.	Kan Sonders	Morom	\sim	04-03-14
3.	Zoon Equitoria	Magim	3830	09-03-15
4.	Jajon Zoll	ALB	ante	1-03-19
5.	ATEJANDRO DEL REAL	ARB,	and the	9-03-19
6.	parte Varia	Brand	-ZGB	9/4/19
7.	STEVE STEWANT	BRAUS	lel a let	214/19
8.	EVA (astilla	KKIS	gue Estate	
9.	Allan Brence	Lonostar Maritini e	All the	9/6/12
10.	Renafal Stone	NEWTRONS	Kangolta	9/6/19
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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 (<u>Environmental Awareness</u>) 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.	BRANNON HARNACKE	ARB	ISTAL .	2019\$9999
2.	Lohn Stravino	ARB	John Shu	n 9/9/19
3.	PAUL MCPHAIL	Neutron	the milli	9.9.19
4.	Victor A. Villa	Newfront	X Wichishoff	01-01-101
5.	Ronny Bala	MSts	formy Bale	
6.	Rodi Bloxham	M375	Kudi ste	9-9-19
7.	KEVIN TAUDOT	MSTS	Kin pid	9-9-15
8.	lim Menn	Wellhead	Thinking	9.8-19
9.	Ture Yound	UTL OVERSKAS	O.C.A.	9-9-19
10.	Schail Ahmid	Weinhead	A Red-	- 9-10-19
11.	Dgle Layten	Reliable Crane	110-2-	9-11-19
12.	Raymond Huang	Neutron	200 2ho	5 9-11-19
13.	FRANK, TRUSTLLO	MAXIM CRAH	3 Frate Linko	1 9-11-19
14.	Michael DeAntonio	Newtron	Michael Detty	tour 9/12/19
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Trainer: <u>T. DRAPER</u> Sign

_Date: <u>9/9//9</u>

Signature:

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.

1.	Employee Name	Company	Signature	Date
1.	luan Lopec Costi D	ARB	Q/AR_	9-16-19
2.	BRIAN R. BORNNDA	ARB.	A BE	9.16-19
3	MICHAEL GEORGE	Wellhead 1	F. K.S.	9-16-19
4.	MICHAEL GEARGE	ALB	mh And	9-17-19
5.	Perer Ipmphi	ANG	Marken	8/17/19
6.	Daniel Wheat	GIW Builderg	Date to	4-17-19
7.	Mike GREER	GRARLINS	Margo. Any	9-17-19
8.	Gus Ficher	EPC Strvice	Xbar	9/17/19
9.	August Whas	Neutron	andrest Rules	9-19-19
10.	Justin Gasdearl	Newtron	finathen Groudent	9/19/19
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Trainer: <u>T. DRAPER</u>Signature:

Date: <u>9/16/19</u>

Stanton Energy Reliability Center (SERC) Project, Orange County, California Cultural, Paleontological, and Biological Resources Education Program Verification All On-Site Employees

No.	Employee Name	Company	Signature	Date
1.	Mike Whiting	ARB	10	9-23-19
2.	VOUBOURAS ASTUDIASION	APB	sufer -	9.23.18
3.	(audie sales	AR6	Markode	8-23-19
4.	Summer Marmen	AKB	Philip In	9-23-19
5.	STEPHEN COBBE	WEITHEAD	Stipt Che	9/25/M
6.	JULIAR, EDX70	ARB	Shint	9-23-19
7.	Henry Chang SR	ABB.	AZER-ISD	927/9
8.	HEARYCH-VEZUR	AKIS	SPACE AND	92119
9.	MARRELL CHUPCHWELL	ARS	Bull Yule	9-03-19
10.	TONG LOZOGA	NEWTOW		9-23-19
11.	DAN MARZ	NEWTON	m	9-29-19
12.	Keith Kitewski	NEUTON	alle	9-28-19
13.	JEROME BOLAND	NEWTRON	gre Bly	9-26-19
14.	KEITH CHEVNG	AIR-13	Illerth V	9-26/1g
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Traine	er: <u>T. DRAPER</u> Signature	;	Date:	19

Stanton Energy Reliability Center (SERC) Project, Orange County, California Cultural, Paleontological, and Biological Resources Education Program Verification All On-Site Employees

No.	Employee Name	Company	Signature	Date
	Natalie Lawson	Palloupst	Max G	9-3-20
K	Regan Ridoten	Paleowert	Alla Plater	9/3/19
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Stanton Energy Reliability Center (SERC) Project, Orange County, California Cultural, Paleontological, and Biological Resources Education Program Verification All On-Site Employees

No.	Employee Name	Company	Signature	Date
1.	Steven Quintana	SØE	Stafflet	9.4.19
2.	Fernandy Abaraz Je	SE	7-60 Alm	7 9.4.19
3.	Tedd Anvora	SE SE SE	China P	7-4-19
4,	Gilberto Orgeza Robert Mcclelland	SE	Sector.	
5.	Robert Mcclelland	SE	R.METulal	7-4-15 9/4/19
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Stanton Energy Reliability Center (SERC) Project, Orange County, California Cultural, Paleontological, and Biological Resources Education Program Verification All On-Site Employees

No.	Employee Name	Company	Signature	Date
1.	Rob Scrugss	SE	192	9.9.19
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Stanton Energy Reliability Center (SERC) Project, Orange County, California Cultural, Paleontological, and Biological Resources Education Program Verification All On-Site Employees

No.	Employee Name	Company	Signature	Date
1.	BREAN WAGNER_	SE P/L	TBUM.	9/10/19
2.	Mason Busber	SEPIL	malle	9/10/19
3.	NIKO SVIMONOFF	TECHCORR	NA CO	aliolia
4.	CHY WILSON	TECHCORR	11 Will	quolig
5.	Luis Hutchins	566	Ma	9-10-19
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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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1.	Stephen Linzan	Milbar	Atask- Asgan	9/13/19
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Stanton Energy Reliability Center (SERC) Project, Orange County, California Cultural, Paleontological, and Biological Resources Education Program Verification All On-Site Employees

No.	Employee Name	Company	Signature	Date
1.	DANNY TRUILLO	SIK PIDEUM	ABstan-	916-19
2.	K. Tans	SE Pipeline	1 Services	9-16-19
3.	STON HOUSTON	NATIVE MOW MELME	10000	9-16-19
4.	Loty Mchaesi	SE Pipeline	als My	9-16-19
5.	Adrian Madaisal	SE PIPEIINE	and ent	9-16:19
6.	Jesus Rodriguez	SE PIPE	1 /c	9.16.14
7.	Casar Drintaro	SS. Pipz	1,247	9.16.19
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Traine	er: ALAIN MEYER _Signatur	e ela ML	Date: 9 / 16/	19

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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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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Stanton Energy Reliability Center (SERC) Project. Orange County, California Cultural, Paleontological, and Biological Resources Education Program Verification All On-Site Employees

No.	Employee Name	Company	Signature	Date
1	Duni Alexander	piles west	OTER.	9-30-19
2.	JULIO AURORA	SE PODELIN	10 Dellono	9-50-1
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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)

Prepared For:	John Heiser/California Energy Commission Tim Bofman/WCI	
Copies:	Sharon Stureman, SERC, LLC Doug Davy/Jacobs Karen Parker/Jacobs Phil Reid, CRS/Jacobs	
Prepared By: Reporting For Period:	Gloriella Cardenas, Alternate CRS /PaleoWest September 2019	

This September 2019 Monthly Compliance Report (MCR) summarizes cultural resources monitoring activities conducted and documentation prepared from September 1 through September 30, 2019 at the Stanton Energy Reliability Center (SERC) (16-AFC-1C) site located at 10711 Dale Avenue, Stanton, Orange County, California. 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 Specialists (Alt. CRS) Gloriella Cardenas and Natalie Lawson, as well as archaeologists Ryan Rolston, Gena Granger, Jennifer McElhoes, and John McDermott monitored during this reporting period.

Native American Monitoring for this reporting period was conducted by Robert Dorame and Dylon Houston.

Table 1. Number of CRMs and NAMs Present, by Date			
Date	CRMs	NAMs	
9/3/19	4	1	
9/4/19	4	1	
9/5/19	4	1	
9/6/19	4	1	
9/9/19	3	1	
9/10/19	3	1	
9/11/19	4	1	

Date	CRMs	NAMs
	CRMS	NAMS
9/12/19	4	1
9/13/19	4	1
9/16/19	3	1
9/17/19	4	1
9/18/19	4	1
9/19/19	4	1
9/20/19	4	1
9/23/19	3	1
9/24/19	4	1
9/25/19	4	1
9/26/19	4	1
9/27/19	4	1
9/30/19	4	1
Total CRM/NAM-Days	76	20

archaeology

Monitoring and Associated Activities This Period

Ground disturbing activities subject to monitoring occurred for the SoCalGas natural pipeline construction for SERC. Activities monitored included pipeline trenching and hand excavated pot holing for locating utilities. Work occurred in various locations between stations 0+00 and 37+00 along Dale Avenue.

Cultural Resources Discoveries This Period

None.

Anticipated Changes in the Next Period

Pipeline construction and pot holing for utilities is expected to continue. Cultural monitors will be deployed; monitoring of all ground disturbance with the potential to impact native soils during pipeline installation will be ongoing.

Comments, Issues or Concerns

On Friday, September 20, 2019, a schedule was sent to PaleoWest on behalf of SERC and SoCalGas construction for Monday, September 23, 2019. PaleoWest was instructed to have three cultural monitors on site for the week to monitor trenching. Potholing excavations were also planned, but the contractor stated that potholing would be taking place within a disturbed context to expose utilities and that this activity would not excavate into native sediments; no monitoring would be required. The CRS was not shown plans or given excavation details in order to evaluate whether or not a CRM was required for the potholing. Several potholes were excavated in native soil, with no CRM present. A Non-Compliance Report (NCR) was submitted to the CEC CPM on September 24, 2019.



The following recommendations we made in order to avoid this level of non-compliance for the remainder of the project.

- 1. The contractor should become familiar with the COC regarding Cultural Resources. The COCs will be reviewed with the contractor management personnel. Review of the COCs, specifically CUL-6, will be completed with the on-the-ground work crew, as well. This review can be completed at a morning safety briefing on site. This training should be completed by one of the CRSs and signatures of all attending the meeting will be obtained.
- 2. The excavation schedule needs to be provided to the CRS and CPM, per CUL-25 days prior.
- 3. The CRS will have input on the scheduling of the CRMs for any proposed excavations, in support of CUL-6.
- 4. All potholing should be subject to full time monitoring, unless the CRS confirms that native is not being disturbed. After the non-compliance on September 23, 2019, a CRM was present to monitor all potholing activities on September 24, 2019, and all of those pothole excavations removed between 3 and 5 ft of native sediment below disturbed sediment with existing lines.

On Friday September 27, 2019 the CEC CPM informed SERC via email that CEC Cultural staff reviewed the cultural NCR that was submitted September 24, 2019 and indicated the non-compliance issue is resolved with the proposed resolution that was submitted at that time. The SERC CRS made a site visit on Thursday October 3, 2019 and is satisfied that the NCR is resolved.

A copy of the NCR is attached to this MCR.



Non-Compliance Resolution Report No. 1

NON-COMPLIANCE REPORT Х Х **RESOLUTION REPORT** Date of Report: 9/24/19 Date of Non-Compliance Violation: 9/23/19 Time of Non-Compliance Violation: 9:30 AM General Location of Non-Compliance: Station 06+19 through 06+17 Monitoring Log Attached? Yes on Dale Avenue. Environmental Monitor (cultural, biological, paleontological, other): Gena Granger/CRM and Niranjala Kottachichi/PRS Level of Violation: Level 1 Violations that do not result in significant impacts but require corrective action. Х Level 2 Violations that place environmental resources at an unnecessary risk and require immediate corrective action. Compliance Specification(s): Level 3 Actual or Imminent Danger to Environmental Resources from a Specific Construction Task or Piece of Equipment. Requires immediate corrective action.

Summary of Violation and Details of Corrective Action Required:

On Friday, September 20, 2019, a schedule was sent to PaleoWest on behalf of SERC and SoCalGas construction, at 10:18 pm. This schedule was for Monday, September 23, 2019. PaleoWest was instructed to have three cultural monitors on site for the week to monitor trenching. Potholing excavations were also planned, but, the contractor stated that potholing would be taking place within a disturbed context to expose utilities and that this activity would not excavate into native sediments; no monitoring would be required. The CRS was not shown plans or given excavation details in order to evaluate whether or not a CRM was required for the potholing.

Spot checking of the potholing by the CRM (and PRS) on the morning of Monday September 23, 2019 revealed that all potholes excavated on Monday morning, beginning at Station 06+19 exhibited the following:

- 0-3 feet bgs disturbed/fill
- 3 4 feet bgs utilities are exposed
- 4 6 feet (approximately) all in native. As the crew moved south on Dale Avenue, native sediment was noted at shallower depths. Some excavations were deeper than 6 ft bgs.
- Horizontal excavations also exceeded the utility excavation footprint.

Thus, several potholes were excavated in native soil, with no CRM present.

Per CUL-6, a CRM or CRS should be on site for all excavations in native soil. CUL-6 further states, where excavation equipment is actively removing soil concurrently at more than one location at a time, full-time archaeological monitoring shall require at least one monitor per excavation area. The contractor has been advised of this Condition of Certification (COC) previously and numerous time.

Per CUL-2, weekly, during ground disturbance, the project construction manager shall provide to the CRS and CPM a schedule of project activities for the following week, including the identification of area(s) where ground disturbance will occur during the week, by letter, email, or fax.

The violation of CUL-6 was immediately reported to the CRS. Two issues exist with this non-compliance. First, the schedule for the week of September 23, 2019 was not provided 5 days prior to work. The contractor did not provide correct information regarding the potholing activity to the CRS or provide an opportunity for the CRS to evaluate the proposed potholing excavations. Secondly, the contractor failed to adhere to CUL-6 regarding monitoring requirements.

The following recommendations are intended to avoid this level of non-compliance for the remainder of the project.

- The contractor should become familiar with the COC regarding Cultural Resources. The COCs will be reviewed with the contractor management personnel. Review of the COCs, specifically CUL-6, will be completed with the on-the-ground work crew, as well. This review can be completed at a morning safety briefing on site. This training should be completed by one of the CRSs and signatures of all attending the meeting will be obtained.
- 2. The excavation schedule needs to be provided to the CRS and CPM, per CUL-2 5 days prior.
- 3. The CRS will have input on the scheduling of the CRMs for any proposed excavations, in support of CUL-6.
- 4. All potholing should be subject to full time monitoring, unless the CRS confirms that native is not being disturbed. After the non-compliance on September 23, 2019, a CRM was present to monitor all potholing activities on September 24, 2019, and all of those pothole excavations removed between 3 and 5 ft of native sediment below disturbed sediment with existing lines.

Notifications:			
CPM: John Heizer, CEC	Date: 9/24/2019	Time:	
Construction Manager: Tim Bofman, SERC LLC	Date: 9/24/2019	Time:	
Project Owner: Kara Miles, W-Power	Date: 9/24/2019	Time:	
Compliance Advisor: Gary Frazen, SERC LLC	Date: 9/24/2019	Time:	

Daily Monitoring Report - Cultural Reources



Project Name: Stanton Energy Project Location: Excavation of trench between just Monitor Name: G. Granger Work Start Time: 7:00 AM Construction Company: SE Pipeline Construction Work Description: Excavation of trench between just be

Date: 9/23/2019 Weather: Sunny, hot, and humid most of day; temps Native American Monitor: Robert Dorame Work End Time: 3:30 PM

Work Description: Excavation of trench between just before St. 6 and just before St. 7 within intersection of Tamarack and Dale

Hours on Site Not Worked and Reason:

Work Location (Project Component): Excavation of trench between just before St. 6 and just before St. 7 Proximity to Cultural Resources: NA Work Type (Machine): Backhoe and hand excavation (potholing) Depth of Excavation: ~8.5-9 ft bgs Observed Native Soils (Stratigraphy): Light to tan, medium coarse, undulating sands present at ~3ft bgs to max depth of 8-9 ft bgs

Disturbed/Redeposited Soils: Dark brown/tan silty fill with road gravel present in first ~3ft bgs

Features: NA

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.): NA

Assessment of Significance of Any Finds? (As recommended by the CRS): NA

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling) and Plan for Next Work Day:

No cultural resources were observed. Crews hand excavated between St. 6+19-6+17 to pot hole for utilities which were found within disturbed context but also native context was exposed during the process as they dug down almost 9 ft bgs. This excavation depth exceeded exposing utilities.

Attachments (Y/N): Yes X No

Photograph Record:

9/23/2019 3:07:35 PM 9/23/2019 3:13:51 PM 9/23/2019 3:15:52 PM 9/23/2019 3:17:10 PM



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Reliability Center	Date: 9/23/2019 9:37:21 AM		
Project Location: Dale Ave	Weather: Overcast and 73F		
Monitor(s): nkottachchi	Overcast and 75F		
Work Start Time: 07:00	Work End Time: 11:30		
Construction Company: Southeast Pipeline	Contact(s): Robert		
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No		
Was the Safety Briefing Attended/Signed:	X Yes No		
Project Description:			

Between La Palma Ave and Crescent Ave down Dale Ave

Scope of Construction Work Monitored/Equipment Used:

580 Super N Case mini excavators (4)

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Four mini excavators were operating today; 2 within 500 feet of each other southeast of Crescent Ave and Dale intersection and other 2 within 500 feet of each other at La Palma and Dale Ave. The latter station was at 1+90. The one just southeast of La Palma at Buena Park Downtown was at 06+19-06+17 (for two potholes).

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Based on the soils observed within the trench and potholing, the upper 3 feet was disturbed and below this have Holocene alluvium. No older Quaternary sediments were observed. The sands are unconsolidated and medium-grained.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

I, PRS, went out today to assess the need for monitors and the soils being observed

Plan for tomorrow:

Crews will continue to trench

Attachments (Y/N): X Yes No

Photograph Record:

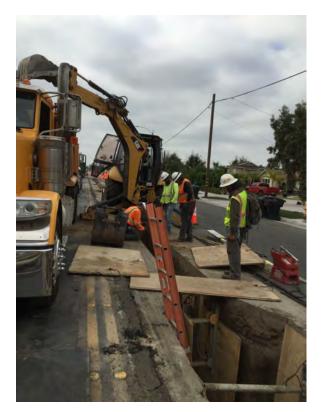
9/23/2019 9:38:25 AM 9/23/2019 9:53:29 AM 9/23/2019 9:56:36 AM 9/23/2019 10:22:09 AM



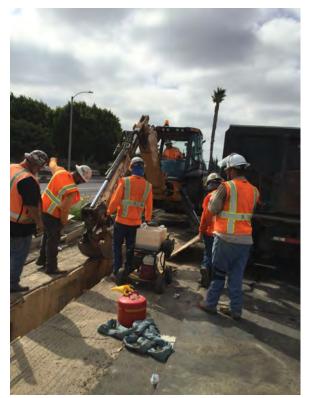
Crew laying pipe just NW of Crescent Ave and Dale intersection.



Holocene sands within the trench



Looking down trench



Excavations at La Palma and Dale; very sandy at depths of 7-8ft within Holocene alluvium



Excavations at Buena Park Downtown and Dale Ave, 500 feet from La Palma excavations



Pothole at Buena Park Downtown; existing pipeline is at approximately 4ft down. 3 feet of fill underlaid by clean medium sands of Holocene age.

Attachment 7 - Paleontology

Monthly Report of Paleontological Resources Monitoring Activities for the Stanton Energy Reliability Center Condition of Certification PAL-6 September 2019

Prepared For:	Doug Davy, Jacobs Karen Parker, Jacobs
Prepared By:	Niranjala Kottachchi, Paleontological Resources Specialist

This report covers paleontological resources monitoring activities at the Stanton Energy Reliability Center Project (Project) for the month of September 2019, as required by California Energy Commission license Condition of Certification PAL-6.

Personnel Active in Paleontological Monitoring This Period

Jeanette Maldonado was the primary Paleontological Resources Monitor (PRM) for this month. Additional paleontological monitors on site during this reporting period included Richard Serrano, Jaspal Saini, Tina Campbell, Tara Redinger, and David Alexander.

Pipeline construction by SoCal Gas requiring paleontological monitoring began on August 23, 2019 and has continued through the month of September. Trenching crews worked at different locations along Dale Avenue. These locations or stations are presented in Table 1 below week by week. Entry and exit pits for HDD horizontal drilling were monitored although the drilling itself was not as no visible sediments are produced during this process. Potholing activities were also not monitored. The presence of unconsolidated native sands in the trench required shoring during most of the month, thus impeding excavations.

Paleontological Resources Discoveries This Period

No paleontological resources were discovered during the month of September 2019.

Anticipated Work and/or Changes in the Next Period

Excavations for the pipeline by SoCal Gas will continue in October.

Comments, Issues or Concerns

None to report.

Table 1. Monitoring and Associated Activities This Period

Week	Station #	Activity	Stratigraphy	Paleontological Resources
1	8+00, 19+00,	Trenching for gas line 4 feet wide to a maximum depth of 8 ½ feet to 10 feet at all locations	6-10 inches of asphalt underlain by 1-2 feet of disturbed sediments. Below this, fine to medium sands with silt to	No paleontological resources were observed

Week	Station #	Activity	Stratigraphy	Paleontological Resources
	21+00, 6+50, 7+50, 7+65		the base of the trench	
2	7+30 to 6+70,	Trenching for gas line 4 feet wide to a maximum depth of 8 ½ feet to 10 feet at all locations	Below the 6-10 inches of asphalt and 1-2 feet of disturbed sediment, have unconsolidated, native Holocene medium- grained, beige, sugary sands down to the base of the trench	No paleontological resources were observed
	21+50 to 22+00, 7+25, 23+00, 23+50 to 25+50, 24+00, 23+60 to 25+00, 24+75 to 26+10, 25+80- 25+85, 27+50		Below the 6-10 inches of asphalt and 1-2 feet of disturbed sediment, have native, Holocene, fine to medium sand with silt with some cobbles. Near station 24+15 and beyond, there was a change in lithology from the silty sand to the unconsolidated sugary sands observed above	
3	$\begin{array}{ccccc} 26+75 & \text{to} \\ 27+30, \\ 28+25 & \text{to} \\ 28+85, \\ 27+50 & \text{to} \\ 28+00, \\ 0+60 & \text{to} \\ 1+40, \\ \text{intersection} \\ of Crescent \\ Ave \\ and \\ Dale \\ Ave \\ (27+50 \\ and \\ 29+00), \\ \text{intersection} \\ of \\ La \\ Palma \\ Ave \\ and \\ Dale \\ Ave \\ (0+75 \\ \text{to} \\ 2+00), \end{array}$	Trenching for gas line 4 feet wide to a maximum depth of 8 ½ feet to 10 feet at all locations	Below the 6-10 inches of asphalt and 1-2 feet of disturbed sediment, have native, Holocene, fine to medium sand with silt with some cobbles to a depth of 5 feet. Below this, unconsolidated sugary sands as observed during week 2	No paleontological resources were observed

Week	Station #	Activity	Stratigraphy	Paleontological Resources
	30+00, 30+65 to 33+75, 33+60 to 34+80, 34+60 to 35+00, 34+80			
4	1+75 to 2+00, 31+50 32+50, to 32+50, 2+00 to 2+15, 6+00 6+00, to 5+00, 2+00 to 2+40, 2+50 to to 2+60, 2+70 2+70	Trenching for gas line 4 feet wide to a maximum depth of 8 ½ feet to 10 feet at all locations	Below the 6-10 inches of asphalt and 1-2 feet of disturbed sediment, have native, Holocene, unconsolidated sugary sands down to the base of the trench	No paleontological resources were observed
5	2+75 to 3+70, 35+00 to 35+50, 37+15 to 37+35	Trenching for gas line 4 feet wide to a maximum depth of 8 ½ feet to 10 feet at all locations	Below the 6-10 inches of asphalt and 1-2 feet of disturbed sediment, have native, Holocene, unconsolidated sugary sands down to the base of the trench	No paleontological resources were observed



Project Name: Stanton Energy	Date: 9/24/2019 2:05:47 PM
Project Location: Dale Ave. south of Lincoln Monitor(s): rrolston	Weather: Clear / warm
Work Start Time: 7 AM	Work End Time: 3:30 PM
Construction Company: SE Pipeline Contractors	Contact(s): Robert
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	

Dale Ave. south of Lincoln in Buena Park, Ca.

Scope of Construction Work Monitored/Equipment Used:

CAT 710 backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Trenching for new gas line. Work starting at STA 32+ 50 and ending at STA 33+ 75. Trench is 2 ft. wide and 8 ft. deep. Trench is approx. 6 ft. wide at bell holes and 9ft. Deep.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Channel deposit ended at STA 33+ 00. At that point a slightly fine sandy silt was present from top of trench to its bottom.

Lithologic Description(s):

Observations of Paleontological Resources:

None noted.

Additional Comments:

Monitoring was conducted by Richard Serrano

Plan for tomorrow: Continued trenching

Attachments (Y/N):

Yes X No



Project Name: Stanton Energy	Date: 9/25/2019 1:52:13 PM	
Project Location: Anaheim, Ca.	Weather: Partly cloudy, mild temp.	
Monitor(s): rrolston		
Work Start Time: 7 AM	Work End Time: 3:30 PM	
Construction Company: SE Pipeline Contractors	Contact(s): Robert	
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No	
Was the Safety Briefing Attended/Signed:	X Yes No	
Project Description:		
Dale Ave. south of Cresent		

Scope of Construction Work Monitored/Equipment Used:

CAT 420 F backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Trenching for new gas line. Trenching starts at STA 33+ 60 and stops at STA 34+ 80. Trench is 2 ft. wide and 8 ft. deep. At bell holes it approx. 6 ft. wide and 9 ft. deep. At 2+65 the excavator was digging approximately 6 ft deep and hit an unmarked sewer pipe (ceramic 12 inch diameter). It did not fully break so they wrapped it and continued digging past it.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Channel deposits show up again at STA 34+ 00 and continue south. They are now more constrained to lower portion of trench.

Lithologic Description(s):

Observations of Paleontological Resources:

No noted paleo resources.

Additional Comments: Monitoring was done by Richard Serrano

Plan for tomorrow: Continued trenching.

Attachments (Y/N):



Project Name: Stanton Energy	Date: 9/26/2019 2:03:41 PM	
Project Location: Anaheim, Ca.	Weather: Cloudy	
Monitor(s): rrolston	Cloudy	
Work Start Time: 7 AM	Work End Time: 3:30 PM	
Construction Company: SE Pipeline Contractors	Contact(s): Robert	
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No	
Was the Safety Briefing Attended/Signed:	X Yes No	
Project Description:		

Dale Ave. south of Cresent

Scope of Construction Work Monitored/Equipment Used:

CAT 420 F backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Trenching for new gas line. Work starting today at STA 34+ 60 and ending at STA 35+ 00. Trench is approx. 2 ft. wide and 8 ft. deep. Crew is working to the south.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

N/A

Lithologic Description(s):

Observations of Paleontological Resources:

No paleo resources noted.

Additional Comments:

Channel deposit has reappeared and now extends from just below asphalt to bottom of trench. It most likely is much thicker. Monitoring was done by Richard Serrano

Plan for tomorrow:

Continued trenching, weather permitting. (rain expected)

Attachments (Y/N): Yes X No



Project Name: Stanton Energy	Date: 9/27/2019 1:38:22 PM	
Project Location: Anaheim, Ca.	Weather: Cloudy / mild temp	
Monitor(s): rrolston		
Work Start Time: 7 AM	Work End Time: 3:30 PM	
Construction Company: SE Pipe Line Contractors	Contact(s):	
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No	
Was the Safety Briefing Attended/Signed:	X Yes No	
Project Description:		
Dale Ave. south of Cresent		

Scope of Construction Work Monitored/Equipment Used:

CAT 420 F backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc): Trenching for gas line. Work starting at STA 34+ 80, work headed south.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

None.

Additional Comments: Monitoring was done by Richard Serrano

Plan for tomorrow: No work on Sat.

Attachments (Y/N):



Project Name: Stanton Energy Reliability Center	Date: 9/4/2019 2:27:47 PM	
Project Location: Buena Park Monitor(s): jsaini	Weather: Hot,clear and sunny. 73-94 F	
Work Start Time: 7:00 AM	Work End Time: 3:30 PM	
Construction Company: SE Pipeline	Contact(s):	
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No	
Was the Safety Briefing Attended/Signed:	X Yes No	
Project Description:		

South of Buena Park Downtown, north of Station # 900

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

The trenching crew resumed further trenching north of Station # 900. Roughly trenched 70 ft, 26" to 4 ft wide down to maximum depth of 8 1/2 ft. At times carried out pot holing activity down to about 5 ft of depth.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

No change in general lithology of the area. Bottom at maximum depth of 8 1/2ft was located in native light brown

Additional Comments:

Trenching resumed after yesterday's gas pipeline accident.

Plan for tomorrow:

Trenching will continue north of Station # 830.

Attachments (Y/N): X Yes No

Photograph Record:

9/4/2019 2:49:06 PM 9/4/2019 2:53:16 PM Trenching activity north of Station # 900



Trenching of Bell Hole north of Station # 900



Project Name: Stanton Energy Reliability Center Date: 9/3/2019 8:18:09 AM **Project Location:** Weather: **Buena Park** Monitor(s): tcampbell projected high of 92 degrees Work Start Time: Work End Time: 15:30 7:00 **Construction Company:** Contact(s): **SE Pipeline Construction** Yes X No Did the (sub)contractors work more than 8 hours (Y/N)? X Yes No Was the Safety Briefing Attended/Signed: **Project Description:** HS 17 and 18.

Scope of Construction Work Monitored/Equipment Used:

Caterpillar 420F Backhoe Loader

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Trenching approximately 5 to 8.5 feet in depth by 26 inches to 4 feet wide by approximately 150 feet in length for gas pipeline installation between Stations 17 and 18.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Light brown, fine to medium sand with silt. Composed of quartz, mica, and other lithics. Below an approximate 6 to 10 inch layer of asphalt, an approximate 2 inch layer of road base gravel, and approximately 2 feet of previously disturbed sediments.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed.

Additional Comments:

Plan for tomorrow: Continue trenching.

X Yes No Attachments (Y/N):

Photograph Record: 9/3/2019 9:38:43 AM Clear, mild morning, warming up to a



Trenching along N Dale Ave for gas pipeline.



Project Name: Stanton Energy Reliability Center	Date: 9/3/2019 2:22:03 PM
Project Location: Buena Park	Weather:
Monitor(s): ggranger	Nice clear and sunny. 73-94F
Work Start Time: 7:00 AM	Work End Time: 3:00 PM
Construction Company: SE Pipeline	Contact(s): Robert Foreman
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	
Just north of Station # 900	

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

The crews were mainly laying pipes and paving the road.Later one of the crew started trenching north of Station #900. Roughly trenched 26"- 4 ft wide, about 20 ft long section, down to maximum depth of 7-8 ft. During trenching activity the backhoe operator accidentally hit the LIVE 1" gas pipeline. Everybody was safe and monitoring activity was suspended until management made efforts to correct the hazardous conditions on site.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were found during today's trenching and Pot holing activity north of Station # 900

Additional Comments:

Jaspal Saini is the paleo monitor

Plan for tomorrow:

Trenching activity will resume north of Stanton # 900.

Attachments (Y/N): Yes No

Photograph Record:

9/3/2019 3:44:23 PM 9/3/2019 3:46:29 PM



Trenching activity north of Station # 900



Pot holing for electrical conduit down to max depth of 5 ft north of Station # 900



Project Name: SERC	Date: 9/3/2019 7:28:28 PM	
Project Location: Buena Park, CA	Weather: Sunny 91	
Monitor(s): jmaldonado		
Work Start Time: 07:00	Work End Time: 13:30	
Construction Company: SE pipeline	Contact(s): Alain Mevers	
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No	
Was the Safety Briefing Attended/Signed:	X Yes No	
Project Description:		

Inbetween HS 7+00 and 8+00 on Dale Ave.

Scope of Construction Work Monitored/Equipment Used:

Backhoe and haul trucks

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

SE pipeline used 2 crews to excavate in 2 different locations. I helped to monitor the crew excavating inbetween HS 7+00 & 8+00 while waiting for a 3rd crew to commence excavation/potholing just north of here. At about 12:45 the crew hit and broke a gas line causing all surrounding work to stop for the day.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Excavations went to a depth of \sim 5'BGS. Top foot was a silty loam consisting of roots and rootlets. Below was a light brown poorly indurated silty sand.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed today

Additional Comments:

None

Plan for tomorrow: Excavations are planned to continue tomorrow

Attachments (Y/N):



Project Name: Stanton Energy Reliability Center

Project Location: Buena Park

Monitor(s): tcampbell

Work Start Time: 7:00am

Weather: Clear, mild morning, warming up to a

Date: 9/4/2019 10:01:08 AM

warning up to a projected high of 96 degrees **Work End Time:** 15:30

Construction Company: SE Pipeline Construction

Contact(s):

Did the (sub)contractors work more than 8 hours (Y/N)?

Was the Safety Briefing Attended/Signed:

Project Description:

HS 18, 19.

Scope of Construction Work Monitored/Equipment Used:

Caterpillar 420F Backhoe Loader

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Trenching approximately 5 to 8.5 feet in depth by 26 inches to 4 feet wide by approximately 100 feet in length for gas pipeline installation between Stations 18 and 19.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Light brown, fine to medium sand with silt. Composed of quartz, mica, and other lithics. Below an approximate 6 to 10 inch layer of asphalt, an approximate 2 inch layer of road base gravel, and approximately 2 feet of previously disturbed sediments. A large cobble was seen in the disturbed sediments.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed.

Additional Comments:

Plan for tomorrow: Continue trenching.

Attachments (Y/N): X Yes No

Photograph Record: 9/4/2019 10:53:17 AM

	Yes	Х	No
X	Yes		No



Trenching south on Dale Ave between Stations 18 and 19 for gas pipeline installation.



Project Name: SERC	Date: 9/4/2019 7:52:37 AN	
Project Location: Buena Park, CA	Weather: Sunny 94	
Monitor(s): jmaldonado		
Work Start Time: 07:00	Work End Time: 13:00	
Construction Company: SE pipeline	Contact(s): Alain Mevers	
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No	
Was the Safety Briefing Attended/Signed:	X Yes No	
Project Description:		
Station 9+00		

Scope of Construction Work Monitored/Equipment Used:

Backhoe, shovels and haul trucks

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Waiting for a third crew to begin excavation but meanwhile helped to monitor excavation activities at station 9+00. Trench excavation was 26" wide and 8' BGS. The crew would pothole prior to excavation. Confirmed at 12:30 that only 2 crews will be excavating, I left early for the day as a third paleo monitor was not needed.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Excavations went to a depth of \sim 8'BGS. Top foot was a silty loam consisting of roots and rootlets. Below was a light brown poorly indurated silty sand.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed today

Additional Comments:

None

Plan for tomorrow: Excavations are planned to continue tomorrow

Attachments (Y/N): Yes X No



Project Name: SERC	Date: 9/5/2019 8:00:12 AM	
Project Location: Buena Park, CA	Weather: Sunny 95	
Monitor(s): jmaldonado		
Work Start Time: 07:00	Work End Time: 15:30	
Construction Company: SE pipeline	Contact(s): Alain Mevers	
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No	
Was the Safety Briefing Attended/Signed:	X Yes No	
Project Description:		

Inbetween station 19+00 and 19+50 on Dale Ave.

Scope of Construction Work Monitored/Equipment Used:

Backhoe and haul trucks

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Once confirmed only 2 crews will be excavating for today, I covered the area Tina Campbell was monitoring by station 19 while she left for the day. I watched them extend the trench another \sim 25' in length. Trench width is 26" and max depth is at 8'BGS.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Excavations went to a depth of ~8'BGS. Top foot was a silty loam consisting of roots and pebbles. Below was a light brown poorly indurated silty sand.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed today

Additional Comments:

None

Plan for tomorrow: Excavations are planned to continue tomorrow

Attachments (Y/N):



Project Name: Stanton Energy Reliability Center Date: 9/5/2019 9:05:46 AM Weather: **Project Location: Buena Park** Partly cloudy, mild morning, warming Monitor(s): tcampbell up to a projected high of 93 degrees Work Start Time: Work End Time: 12:00 7:00 **Construction Company:** Contact(s): **SE Pipeline Construction** Robert Yes X No Did the (sub)contractors work more than 8 hours (Y/N)? X Yes No Was the Safety Briefing Attended/Signed: **Project Description:** HS 19

Scope of Construction Work Monitored/Equipment Used:

Caterpillar 420F Backhoe Loader

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Trenching approximately 5 to 8.5 feet in depth by 26 inches to 4 feet wide by approximately 16 feet in length for gas pipeline installation at Station 19.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Light brown, fine to medium sand with silt. Composed of quartz, mica, and other lithics. Below an approximate 6 to 10 inch layer of asphalt, an approximate 2 inch layer of road base gravel, and approximately 2 feet of previously disturbed sediments.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed.

Additional Comments:

Crews were only digging in two locations and there were 3 teams, so I swapped with paleontological monitor Jeanette Maldonado who continued to monitor this excavation. I left the project site at 12:00pm.

Plan for tomorrow:

Continue trenching.

Attachments (Y/N):	× Yes	🗌 No
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Photograph Record:

9/5/2019 11:05:32 AM



Trenching for gas pipeline in HS 19 headed towards 20.



Project Name:	Stanton E	nergy Reliability Center	Date:	9/5/2019 3	:47:53 PM
Project Location: Buena Vista		Weather: Clear, sunny and humid.71-95F			
Monitor(s): jsair				···	0.00 514
Work Start Time:	7:00 A	M		ind Time:	3:30 PM
Construction Con	npany:	SE Pipeline Construction	Contac	t (s): Ro	bert
Did the (sub)contractors work more than 8 hours (Y/N)?			Yes	× No	
Was the Safety B	riefing Att	ended/Signed:		x Yes	No
Project Description	on:				
North of Station # 8	325				

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

The construction crew started trenching activity at around 9:00 AM going north from Station #825. Roughly trenched 26" to 4 ft wide, about 60-65 ft in length , down to maximum depth of 9-9.5ft. that includes two bell-holes. Pot-holing was in one of the bell-hole to locate electrical conduit.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed during today's trenching activity.

Additional Comments:

Plan for tomorrow:

Trenching will continue northward from Station #760 along Dale Ave.

Attachments (Y/N): X Yes No

Photograph Record:

9/5/2019 4:33:28 PM 9/5/2019 4:36:25 PM



Trenching of Bell-hole north of Station # 825



Trenched length for Sept. 05/2019



Project Name: Stanton Energy Reliability Center Date: 9/6/2019 7:59:37 AM **Project Location:** Weather: **Buena Park** Monitor(s): tcampbell projected high of 91 degrees Work Start Time: Work End Time: 15:30 7:00 **Construction Company:** Contact(s): **SE Pipeline Construction** Robert Yes X No Did the (sub)contractors work more than 8 hours (Y/N)? X Yes No Was the Safety Briefing Attended/Signed: **Project Description:** HS 20 and 21

Scope of Construction Work Monitored/Equipment Used:

Caterpillar 420F Backhoe Loader

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Trenching approximately 5 to 8.5 feet in depth by 26 inches to 4 feet wide by approximately 150 feet in length for gas pipeline installation at Stations 20 and 21.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Light brown, fine to medium sand with silt. Composed of quartz, mica, and other lithics. Below an approximate 6 to 10 inch layer of asphalt, an approximate 2 inch layer of road base gravel, and approximately 2 feet of previously disturbed sediments. In HS 20 and 21 a dark gray silty sand contained decaying vegetation possible palm root ball and miscellaneous garbage. In HS 21 large cobbles were seen approximately 2 to 2.5 feet below the ground surface when potholing for gas occurred.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed.

Additional Comments:

Native American Monitor Robert Dorame found clam shell fragments in the planter area of Station 21.

Plan for tomorrow: Off for the weekend.

X Yes No Attachments (Y/N):

Photograph Record: 9/6/2019 1:02:45 PM Clear, mild morning warming up to a



Trenching for gas pipeline installation in HS 21.



Project Name: SERC	Date: 9/6/2019 9:17:20 AM	
Project Location: Buena Park, CA	Weather: Sunny 90	
Monitor(s): jmaldonado		
Work Start Time: 07:00	Work End Time: 15:30	
Construction Company: SE pipeline	Contact(s): Alain Mevers	
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No	
Was the Safety Briefing Attended/Signed:	× Yes No	
Project Description:		
Inbetween station 6+50 and 7+50		

Scope of Construction Work Monitored/Equipment Used:

Backhoe and haul truck

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

On standby waiting for a third crew to begin excavations. Took turns to monitor the north excavation at station 7+50. Trench width 26", trench depth \sim 6-8'BGS, and added length is \sim 50'.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

Additional Comments:

Plan for tomorrow:

Attachments (Y/N): X Yes No

Photograph Record:

9/6/2019 1:45:24 PM



Trenching at station 7+50



Project Name: Stanton Energy Reliability Center	Date: 9/6/2019 2:35:41 PM
Project Location: Buena Park Monitor(s): jsaini	Weather: Clean, sunny and hot. 71-91F
Work Start Time: 7:00 AM	Work End Time: 3:30 PM
Construction Company:	Contact(s): Robert
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	
North of Station # 765 along Dale Ave	

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

The crew removed trench plates and resumed trenching around 9:30 A M. Roughly trenched 26" to 4ft wide, about 40 ft long down to maximum depth of 8 ft. Later during the day- the crew hand dug three pot holes to located underground utilities just north of Station # 700.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

No change in general lithology of the area. The bottom at maximum depth was observed in native soils. No

Additional Comments:

Plan for tomorrow:

Trenching will resume - going north from Station # 725.

Attachments (Y/N): X Yes No

Photograph Record:

9/6/2019 3:06:10 PM 9/6/2019 3:08:48 PM 9/6/2019 3:11:09 PM 9/6/2019 3:13:42 PM



Trenched section north of Station # 765



Hand digging to locate underground utilities just north of Station #700



Hand dug holes for utilities down to about 2-3 ft.



Hand dug holes to locate underground utilities down to about 2-3 ft just north of Station # 700



Project Name: Stanton Energy Reliability Center	Date: 9/9/2019 8:17:04 AM
Project Location:In roadway South of theMonitor(s):jmcelhoesWork Start Time:7:00 am	Weather: Partly cloudy in morning to sunny in afternoon: 85. Work End Time: 2:30 pm
Construction Company: SE Pipeline	Contact(s): Robert Foreman
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	

In roadway South of the intersection of Dale and Tamarack, starting at HS 7+30.

Scope of Construction Work Monitored/Equipment Used:

backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Trenching 8 ft deep, 2ft wide form HS 7+30 to HS 6+70. Trenching activities include digging, shoring, and having the bottom smoothed for instillation.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Fine grained poorly compacted light yellow tan sand with moderately rounded, well sorted texture. 2mm thick stratification lines bounded by silt are seen from approximately 6 ft depth to 8 ft depth. Above 1.5 ft sand the sand is capped by a grey silty modern fill sand and concrete.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological specimens were seen during construction

Additional Comments:

Form filled out by T Redinger since she does not have a login yet.

Plan for tomorrow:

Digging further south along line, there is a possibility they will only be moving plates and other prep.

Attachments (Y/N): X Yes No

Photograph Record: 9/9/2019 12:55:59 PM



Crew finalizing the trench at the imtersection of Dale and Tamarack, North.



Project Name: Stanton Energy Reliability Center Date: 9/9/2019 9:23:56 AM **Project Location:** Weather: **Buena Park** Cloudy, mild, morning, warming up to a Monitor(s): tcampbell projected high of 81 degrees Work Start Time: Work End Time: 15:30 7:00 **Construction Company:** Contact(s): **SE Pipeline Construction** Robert Yes X No Did the (sub)contractors work more than 8 hours (Y/N)? X Yes No Was the Safety Briefing Attended/Signed: **Project Description:** HS 21 and 22

Scope of Construction Work Monitored/Equipment Used:

Caterpillar 420F Backhoe Loader

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Trenching approximately 5 to 8.5 feet in depth by 26 inches to 4 feet wide by approximately 100 feet in length for gas pipeline installation at Stations 21 + 50 and 22 + 00.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Light brown, fine to medium sand with silt. Composed of quartz, mica, and other lithics. Below an approximate 6 to 10 inch layer of asphalt, an approximate 2 inch layer of road base gravel, and approximately 2 feet of previously disturbed sediments composed of brown sandy clay. In HS 21 + 50 to 22 + 00 large cobbles were seen approximately 2 to 2.5 feet below the ground surface. From 2 to 2.5 feet undisturbed sediments composed of light brown fine to medium grained sand.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed.

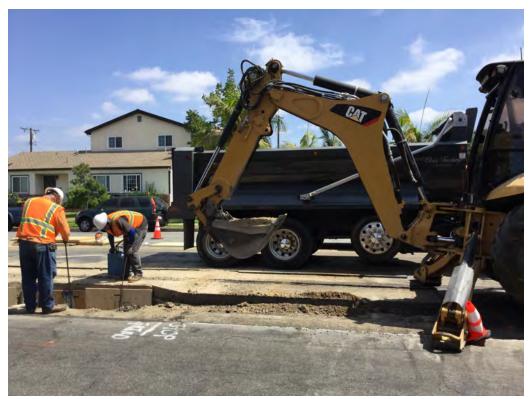
Additional Comments:

Plan for tomorrow: Continue trenching.

Attachments (Y/N): X Yes No

Photograph Record:

9/9/2019 11:20:22 AM



Trenching for gas pipeline installation in HS 22 + 00.



Project Name:	Stanton E	nergy Reliability Center	Date: 9/9/	/2019	1:43:01 PM
Project Location:	200	na Park	Weather: Nice, clear a	and su	ınny. 67-82F
Monitor(s): jsair Work Start Time:	ור 7:00 A	AM	Work End	Time:	3:30 PM
Construction Corr	ipany:	SE Pipeline Construction	Contact(s)	: R	obert
Did the (sub)contractors work more than 8 hours (Y/N)?			Yes	× No	
Was the Safety Briefing Attended/Signed:		×	Yes	No	
Project Descriptio	n:				
Just north of Station # 725					

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Trenching resume north of Station #725. Roughly trenched 26" to 4 ft wide, 7-9 ft deep and about 60 ft in length. A few utilities were observed during trenching activity.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

No change in general lithology/stratigraphy of the area. Bottom was located native sediments comprised of

Additional Comments:

Plan for tomorrow:

Uncertain plans for tomorrow. Planning some excavation at the south end. More details at tomorrow's tailgate meeting.

Attachments (Y/N): X Yes No

Photograph Record:

9/9/2019 2:09:54 PM 9/9/2019 2:14:11 PM



Trenching for Bell-hole north of Station # 680



Trenching activity for Sept.09, 2019 at the north end close to Buena Park Downtown street sign.



Project Name: SERC	Date: 9/9/2019 7:40:25 AM	
Project Location: Buena Park, CA	Weather:	
Monitor(s): jmaldonado	Overcast AM	
Work Start Time: 07:00	Work End Time: 11:00	
Construction Company: SE pipeline	Contact(s): Alain Mevers	
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No	
Was the Safety Briefing Attended/Signed:	X Yes No	
Project Description:		

N/A

Scope of Construction Work Monitored/Equipment Used: N/A

Monitoring Methods (spot check, screening, bulk, sample collecting, etc): No work observed.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

N/A

Lithologic Description(s):

Observations of Paleontological Resources:

N/A

Additional Comments: None

Plan for tomorrow: Excavation is planned to continue tomorrow

Attachments (Y/N):

Yes X No



Project Name: Stanton Energy Reliability Center Date: 9/10/2019 8:39:43 AM Weather: **Project Location: Buena Park** Cloudy, mild morning, warming up to a Monitor(s): tcampbell projected high of 78 degrees Work Start Time: Work End Time: 15:30 7:00 **Construction Company:** Contact(s): **SE Pipeline Construction** Robert Yes X No Did the (sub)contractors work more than 8 hours (Y/N)? X Yes No Was the Safety Briefing Attended/Signed: **Project Description:** HS 22 to 23

Scope of Construction Work Monitored/Equipment Used:

Caterpillar 420F Backhoe Loader

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Trenching approximately 5 to 8.5 feet in depth by 26 inches to 4 feet wide by approximately 150 feet in length for gas pipeline installation at Stations 22 + 50 and 23 + 50.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Light brown, fine to medium sand with silt. Composed of quartz, mica, and other lithics. Below an approximate 6 to 10 inch layer of asphalt, an approximate 2 inch layer of road base gravel, and approximately 2 feet of previously disturbed sediments composed of brown sandy clay. In HS 22 + 50 large cobbles were seen approximately 2 to 2.5 feet below the ground surface, along with roots. In HS 23 + 00 roots are seen down to approximately 4 feet. A gastropod shell fragment was found by Native American Monitor Robert Dorame in sediment that fell from the

Lithologic Description(s):

Observations of Paleontological Resources:

A gastropod shell fragment was observed.

Additional Comments:

The undisturbed sediments are in Holocene alluvium.

Plan for tomorrow:

Continue trenching.

Attachments (Y/N): X Yes No

Photograph Record:

9/10/2019 10:09:59 AM 9/10/2019 3:54:39 PM 9/10/2019 3:56:13 PM



Trenching for gas pipeline installation between HS 22 + 00 and HS 22 + 50.



View of gastropod shell fragment.



Another view of gastropod shell fragment.



Project Name: SERC	Date: 9/10/2019 10:38:45 AM	
Project Location: Buena Park, CA	Weather:	
Monitor(s): jmaldonado	Partly cloudy 78	
Work Start Time: 07:00	Work End Time: 15:30	
Construction Company: SE pipeline	Contact(s): Alain Mevers	
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No	
Was the Safety Briefing Attended/Signed:	X Yes No	
Project Description:		
Between Station 23+50 to 25+50		

Scope of Construction Work Monitored/Equipment Used:

2 backhoes, shovel, jackhammers, and haul trucks

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

I monitored potholing activities while the 2 other excavations occurred. The potholing was done with hand dug with jackhammers and shovels to a max depth of 5ft.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

The first ~12" BGS consists of asphalt and road gravel. Below is a beige sand with cobble sized clasts visible in the sediment. Intermittent sections of a grey brown sandy clay was also visible at HS 25+00. Sediment observed are Holocene alluvial deposits.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed today

Additional Comments:

None

Plan for tomorrow: Excavations are planned to continue tomorrow.

Attachments (Y/N):



Project Name: Stanton Energy Reliability Center	Date: 9/10/2019 3:08:23 PM	
Project Location:Buena ParkMonitor(s):jsainiWork Start Time:7:00 AM	Weather: Nice clear and sunny with little breeze. 65-80F Work End Time: 3:30 PM	
Construction Company: SE Pipeline Construction	Contact(s): Robert	
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No	
Was the Safety Briefing Attended/Signed:	X Yes No	
Project Description:		

HDD at Stanton # 5125, Trenching at Station # 2400

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

HDD Crew started horizontal drilling for pilot hole with bit diameter of 6" or so going south from Station # 5125. Since it is not feasible to get the specific location of the return sediments - continuous monitoring was not carried out but spot checks will be made to collect anything interesting from the return sediments at the shale shaker. The crew was advised to inform authorities if any fossil was recovered during screening of sediments. One of the trenching crew started trenching 26"to 4ft wide down to maximum depth of 6-9 ft or so , going south from Station #

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

The trenching activity south of Station # 2400 revealed change in lithology. Observed greenish gray friable silty

Additional Comments:

Plan for tomorrow: Trenching activity will continue south of Station # 2445

Attachments (Y/N): X Yes No

Photograph Record:

9/10/2019 4:40:28 PM 9/10/2019 4:48:56 PM 9/10/2019 4:53:50 PM



HDD operation in progress with Entry Pit close to Station # 5125



Greenish gray friable silty sands probably of marine origin just south of Station # 2400



Trenched length for the day south of Station # 2400



Project Name: Stanton Energy Reliability center	Date: 9/10/2019 7:24:35 AM		
Project Location: At the intersection of Dale	Weather:		
Monitor(s): tredinger	Partly cloudy, 70 degrees F		
Work Start Time: 7:00	Work End Time: 11:00		
Construction Company: SE Pipeline	Contact(s): Robert Foreman		
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No		
Was the Safety Briefing Attended/Signed:	X Yes No		
Project Description:			
At the lowdown word leasted at 121 N. Dale Avenue			

At the laydown yard located at 431 N. Dale Avenue.

Scope of Construction Work Monitored/Equipment Used:

None

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Today 4 paleo monitors were called out but only three were needed so I was sent home after the daily tailboard completed at 7:30. I will get 4 hour call out time. Two crews trenched in the center of Dale Ave between W Greenleaf Ave. and Tamarack Way and were monitored by other paleontologist.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

N/A

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments:

I volunteered to be the paleontologist that was sent home for the day and we will trade off if we keep needing people sent home

Plan for tomorrow:

Trenching with at least two crews should continue tomorrow.

Attachments (Y/N):



Project Name: Stanton Energy Reliability Center	Date: 9/11/2019 7:36:53 AM		
Project Location: At the intersection of Dale Monitor(s): tredinger Work Start Time: 7:00	Weather: Thin blanket of clouds in morning, 69 degrees. Work End Time: 3:30		
Construction Company: SE Pipeline	Contact(s): Robert Foreman		
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No		
Was the Safety Briefing Attended/Signed:	X Yes No		
Project Description:			

At the intersection of Dale and W Greenleaf Way. Started at 23+64, ended at 25+00

Scope of Construction Work Monitored/Equipment Used:

580 Super N CASE backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Today we had the tailboard with all the crews at 7:00 and we were told the SE Pipeline crew would be digging with at least two machines. We waited by the work area until 10:00 at which time one of the trenching crews started digging at 23+64. They continued through 24+00 before lunch. After lunch they continued the 8 ft deep trenches until 3:00 at which time they stopped at 25+00. The other digging crew was using the asphalt remover all morning just south of the other crew between planetary dr. And Crescent Ave. they were telling us they were going to do

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

At 23+64 the sediments consisted of grayish brown silty sand at all depths. The sediments did not show any bedding and were slightly compacted. I believe they are fill material. At 24+00 a lens of cobbles mixed with sand went down to approximately 5 ft depth with the grey sand underneath. At 24+15 the sediments came into contact with the previously observed fine grained well rounded well sorted light white tan sand with massive bedding. Young alluvial fa deposits. At 25+00 the sediments went back to being mostly fill. That was where they ended.

Lithologic Description(s):

Observations of Paleontological Resources:

Additional Comments:

Janette and I switched off looking at the excavation with crew as we were unsure when the 2nd crew would begin excavation activities.

Plan for tomorrow:

Continued trenching south of planetary Ave.

Attachments (Y/N):



Project Name: Stanton Energy Reliability Center	Date: 9/11/2019 8:33:40 AM	
Project Location: Buena Park	Weather:	
Monitor(s): jsaini	Nice clear and sunny .	
Work Start Time: 7:00 AM	Work End Time: 11:00 AM	
Construction Company: SE Pipeline Construction	Contact(s): Robert	
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes No	
Was the Safety Briefing Attended/Signed:	X Yes No	
Project Description:		

Scope of Construction Work Monitored/Equipment Used: Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc): Cutting and removal of asphalt was in progress south of Station # 2400.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

Additional Comments:

Only two crews plan to do the excavation activity today. So the extra two paleontological monitors were sent home by the lead monitor for PaleoWest on site.

Plan for tomorrow:

Attachments (Y/N):



Project Name: Stanton Energy Reliability Center Date: 9/11/2019 10:13:51 AM **Project Location:** Weather: Buena Park Cloudy morning, clearing by mid Monitor(s): tcampbell morning. Mild. Work Start Time: Work End Time: 11:00 7:00 **Construction Company:** Contact(s): SE Pipeline Construction Robert Yes X No Did the (sub)contractors work more than 8 hours (Y/N)? X Yes No Was the Safety Briefing Attended/Signed: **Project Description:**

N/A

Scope of Construction Work Monitored/Equipment Used: N/A

Monitoring Methods (spot check, screening, bulk, sample collecting, etc): N/A

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

N/A

Additional Comments:

Four crews not needed, so volunteered to leave the project.

Plan for tomorrow: N/A

Attachments (Y/N):



Project Name: SERC	Date: 9/11/2019 1:57:54 PM
Project Location: Buena Park, CA	Weather:
Monitor(s): jmaldonado	Sunny 80
Work Start Time: 07:00	Work End Time: 15:30
Construction Company: SE pipeline	Contact(s): Alain Mevers
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	
Excavation activities occurred from HS 23+60 and 25+00	

Scope of Construction Work Monitored/Equipment Used:

Backhoe, shovels, haul trucks

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

SE pipeline used 1 backhoe to excavate a trench going south on Dale Ave. Trench width is 26" and depth range was 6'-8'. Potholing by hand also occurred along the trench at ~HS 25+25

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

The first ~12" BGS consists of asphalt and road gravel. Below is a beige sand with cobble sized clasts visible in the sediment. Intermittent sections of a grey brown sandy clay was also visible at HS 23+60. The consistent beige sands observed are of Holocene alluvial deposits.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed today.

Additional Comments:

None

Plan for tomorrow: Excavations are planned to continue tomorrow.

Attachments (Y/N): Ves X No



Project Name: Stanton Energy Reliability Center	Date: 9/12/2019 8:01:16 AM
Project Location: Station 24+75 to 26+10 Monitor(s): tredinger Work Start Time: 7:00	Weather: Clear skies, 68 degrees in morning up to 95 degrees by end of day. Work End Time: 3:30
Construction Company: SE Pipeline	Contact(s): Robert Foreman
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	

Station 24+75 to 26+10 starting just north of Planetary Dr. and finishing half way between Planetary dr. And Crescent Ave.

Scope of Construction Work Monitored/Equipment Used:

580 Super N CASE backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Today we held the daily tailboard with the crews at 7:00 and we were told that two SE Pipeline crews would continue digging in the street south from 24+75 to 26+10. I monitored as the backhoe trenched down to a maximum 8 ft depth. Excavation was slowed as the crew had to install trench bracers every few feet.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

From the surface to about 2.5 ft the sediment is medium yellow brown. A few segments of grey between 25+45 and 25+60. Sediment is silty loamy sand with patches of angular to sub rounded cobbles 20 to 30 cm wide that drop down to 3 ft depth. Below the silty sandy loam layer the light tan fine sand continues down to the maximum depth (8 ft). He sand is well rounded, moderately sorted and poorly solidified with massive bedding.

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments:

Worked with Gena while monitoring today.

Plan for tomorrow:

Tomorrow they are expecting to need two crews again. Next week they will be adding a new machine and crew bringing the total to possibly 4 crews needed.

Attachments (Y/N): Yes X No



Project Name: SERC	Date: 9/12/2019 8:43:18 AM	
Project Location: Buena Park, CA Monitor(s): jmaldonado	Weather: Sunny 70 AM	
Work Start Time: 07:00	Work End Time: 11:00	
Construction Company: SE pipeline	Contact(s): Alain Mevers	
Did the (sub)contractors work more than 8 hours (Y/N)?		
Was the Safety Briefing Attended/Signed:	X Yes No	
Project Description:		
N/A		
Scope of Construction Work Monitored/Equipment Used:		
N/A		

Monitoring Methods (spot check, screening, bulk, sample collecting, etc): Only 2 crews will be excavating. A 3rd paleo was not needed for monitoring. 4hr callout

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

N/A

Lithologic Description(s):

Observations of Paleontological Resources:

N/A

Additional Comments: N/A

Plan for tomorrow: N/A

Attachments (Y/N):



Project Name: Stanton Energy Reliability Center	Date: 9/12/2019 2:03:27 PM		
Project Location: Buena Park Monitor(s): jsaini	Weather: Nice clear and sunny. 67-87F		
Work Start Time: 7:00 AM	Work End Time: 3:30 PM		
Construction Company: SE Pipeline Construction	Contact(s): Robert		
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No		
Was the Safety Briefing Attended/Signed:	X Yes No		
Project Description:			
Just south of Station # 2600			

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

The crew started trenching 26" to 4 ft wide trench down to maximum depth of about 9 ft. Roughly trenched above 35 ft section after pot holing 2- underground utilities. The crew had cave-in problem which delayed trenching activity.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

Basically trenched through fill and pre-disturbed sediments. But bottom at max depth of 9 ft was in native sediments

Additional Comments:

Plan for tomorrow:

Trenching will resume tomorrow near Station # 2650 with two crews on site.

Attachments (Y/N): X Yes No

Photograph Record:

9/12/2019 4:01:04 PM 9/12/2019 4:03:31 PM 9/12/2019 4:08:02 PM 9/12/2019 4:11:24 PM



Pot holing for underground utilities near Station # 2640



Pot holing down to about 5 ft or so near Station #2640



Trenched length for the day. Cave-in observed during trenching activity near Station # 2640



Trenched length for the day



Project Name:	Stanton Energy Relighability	Date: 9/13/2019 9:16:32 AM	
Project Location:	Started with 5 ft segment at	Weather:	
Monitor(s): tredinger		Clear skies all day 69 to 95 degrees	
Work Start Time:	7:00	Work End Time: 3:30	
Construction Con	npany: SE pipeline	Contact(s): Robert foreman	
Did the (sub)contractors work more than 8 hours (Y/N)?		Yes X No	
Was the Safety Briefing Attended/Signed:		X Yes No	
Project Description	on:		

Started with 5 ft segment at 25+80 to 25+85 between Crescent and planetary. Later the machine moved to 26+20 to start on the Crescent avenue crossing.

Scope of Construction Work Monitored/Equipment Used:

CASE backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Today the crew we were watching started at 9:15 excavating a small segment at 25+ 85 that had not been finished yesterday. They then moved on to 26+25 in order to continue the trench southward towards Crescent Ave. they continued going down to a maximum of 8 ft at the bell-holes and 7 ft in the rest of the trench. They finished at 26 +75.about 25 ft shy of the intersection at Dale and Crescent. Pot holing was conducted to a depth of 3 ft at 27+00

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Sediments down to 5 ft depth are silty sand that is grey yellow in color. A small gas pipe buried in this sediment at 2.5 ft depth site within this layer which makes me believe this layer is all fill material. Below the 5 ft depth the sediment becomes fine to medium grained white tan sand with ,assigned bedding and few inclusions of rocks or roots. This sand is most likely young quaternary alluvium mapped as quaternary alluvial fan material.

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments:

Jennifer was my cultural partner while watching this crew. Inspector we have been working with is named Steve Jensen

Plan for tomorrow:

Monday they are going to continue with 4 backhoes possibly 3 crews needed.

Attachments (Y/N): X Yes No

Photograph Record:

9/13/2019 9:18:35 AM 9/13/2019 9:43:54 AM 9/13/2019 1:16:53 PM 9/13/2019 1:51:01 PM



Excavation starting with 5 ft wide section between 25+80 and 25+85 that they could not finish yesterday. (7 ft depth). East



Potholing at 26+50 for gas utilities. East



East. Backhoe started removing asphalt at 1:10.



South. Finishing up the last segment of trenching for the day at 26+75



Project Name:	Stanton Energy Reliability Center	Date: 9/13/2019 2:48:17 PM
Project Location: Monitor(s): jsaini	Buena Park	Weather: Clear sunny and hot. 67-95F
Work Start Time:	7:00 AM	Work End Time: 3:30 PM
Construction Company: SE Pipeline Construction		Contact(s): Robert
Did the (sub)contractors work more than 8 hours (Y/N)?		Yes X No
Was the Safety Briefing Attended/Signed:		X Yes No
Project Description	1:	

Close to Station # 2750 Intersection of Crescent Ave/Dale Ave

Scope of Construction Work Monitored/Equipment Used:

Backhoe, hand digging

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

The backhoe operator removed about 100 ft of Asphalt layer. Then the crew started pot holing for a number of utilities just south of Station #2750. Hand dug a section of about 15-20 ft for utilities down to maximum depth of 9 ft or so for the whole day.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

Hand dug a section of about 15-20 ft down to maximum depth of about 9 ft. Dug all through engineering fill and pre-

Additional Comments:

Plan for tomorrow:

Three crews plan to go for trenching activity. Two at the north end and one at the south end

Attachments (Y/N): Yes No

Photograph Record:

9/13/2019 3:14:25 PM 9/13/2019 4:46:36 PM



Pot holing for multiple underground utilities at the intersection of Crescent Ave and Dale Ave near Station # 2750



Pot holing for multiple utilities just south of Station # 2750 intersection of Crescent Ave and Dale Ave.



Project Name: Stanton Energy Reliability Center

Project Location: At Dale and Crescent Ave.

Monitor(s): tredinger

Work Start Time: 7:00

Construction Company: South East Pipeline

Did the (sub)contractors work more than 8 hours (Y/N)?

Was the Safety Briefing Attended/Signed:

Project Description:

On Dale Ave. between Planetary and Crescent Ave.

Scope of Construction Work Monitored/Equipment Used:

2 crews with backhoes.

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Today I spot. He led/ monitored all crews excavating. They had 2 backhoe crews working on either side of Crescent Avenue on Dale. The crew on the north side started pot holing and excavating around 10:15 at station 26+75. They are going down a maximum of 8.5 ft. At the end of the day they finished at 27+30. The other crew started excavating with the backhoe at 11:30 at station 28+25. This part of the trench goes 9 ft down. At the end of the day the 2nd crew finished at about 28+85. The 3rd crew with a backhoe was supposed to start digging south of

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

4 to 5 ft f fill silty sand with pebbles. Below fill sediment was light tan to white medium sand that was poorly compacted, moderately hydrated, and well sorted.

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments: Monitors today included Ryan, Gena, and new tribal monitor Dylan.

Plan for tomorrow:

4 machines on Dale.

Attachments (Y/N): X Yes No

Photograph Record:

9/16/2019 10:36:11 AM 9/16/2019 1:48:19 PM Date: 9/16/2019 7:25:14 AM Weather: Overcast, high humidity 70 degrees in morning Work End Time: 3:30 Contact(s): Robert Foremam Yes X No

X Yes No



East. Start of work at 26+75 digging began at 10:00.



South, 2nd crew finishing up at 28+75.



Project Name: Stanton Energy Reliability Center	Date: 9/17/2019 8:08:28 AM		
Project Location: Anaheim, North of Lincoln on Monitor(s): tredinger	Weather: Sunny, 70 degrees		
Work Start Time: 7:00	Work End Time: 3:30		
Construction Company: South east	Contact(s): Robert Foremam		
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No		
Was the Safety Briefing Attended/Signed:	X Yes No		

Project Description:

Anaheim, North of Lincoln on Dale (HDD), at intersection of Dale and Ia Palma, and Dale and Crescent (27+50 to 28+00)

Scope of Construction Work Monitored/Equipment Used:

Backhoes at 4 locations

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

HDD had to use a backhoe at 8:30 to excavate around the insertion point for the drill so that they could remove it. The two crews at Crescent Avenue were digging by 9:30. One was on the north side (station 27+50 to 28+00) and the other one was continuing south from 29+75. A third crew using a backhoe dug in the center divider of the western side of the intersection of Dale and La Palma. There they went to a maximum of 6 ft.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Sediment at Crescent and Dale has continued to be similar to previously observed sediments, with the fill silty sand going down approximately 5 ft, and the native fluvial medium grained sand below. At La Palma and Dale only a few inches of the fill material is at the surface and the natural sand starts at approximately 6 inch depth. The sand here is similar to the sand seen along the rest of the site, and is light tan to white in color, medium grained, well sorted, and massively bedded. Sediment at the HDD Site is silty mud fill down to the maximum depth of 7ft.

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments: I was the only Paleo on site today so I bounced between all work sites (4).

Plan for tomorrow: Continue excavation with two back hoes around Crescent Ave and Dale, and at La Palma on Dale.

Attachments (Y/N): X Yes No

Photograph Record:

9/17/2019 8:41:47 AM 9/17/2019 9:18:59 AM 9/17/2019 12:05:01 PM 9/17/2019 12:48 PM



South, HDD backhoe being used to help excavate around HDD drill shaft. @ Lincoln and Dale Ave.



South, HDD dug down to drill, 6 ft.



East, at Dale and La Palma. 4th crew excavating across median.



South. Southeast Construction Crew south of Crescent continuing to trench after lunch.



Project Name: Stanton Energy Reliability Center	Date: 9/18/2019 10:22:09 AM
Project Location: 0+60 to 1+40, at the corner	Weather:
Monitor(s): jmcelhoes	Partially cloudy to sunny
Work Start Time: 7:00	Work End Time: 3:30
Construction Company: Southeast	Contact(s): Robert Foreman
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	

0+60 to 1+40, at the corner of Dale and La Palma

Scope of Construction Work Monitored/Equipment Used:

Case 580 backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

using a backhoe dug in the center divider of the western side of the intersection of Dale and La Palma. There they went to a maximum of 8 ft. Depth. They took lunch at 12:40 and then continued trenching until 3:00. The section of trenching between 0+75 and 1+00 only was down 6.5 ft.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

only a few inches of the fill material is at the surface and the natural sand starts at approximately 6 inch depth. The sand here is similar to the sand seen along the rest of the site, and is light tan to white in color, medium grained, well sorted, and massively bedded. The top foot of the natural sediment (quaternary alluvium) contained light tilted bedding planes less tha 2 inches thick and tilted at a 30 degree angle dipping NNE.

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments: This form was written by Tara Redinger.

Plan for tomorrow:

3, possibly 4 crews digging with backhoes along Dale Avenue. This crew will continue at the corner of Dale and La Palma.

Attachments (Y/N): X Yes No

Photograph Record:

9/18/2019 10:28:54 AM 9/18/2019 1:31:48 PM



North, backhoe continuing trench from yesterday at 0+60



East, southeast crew continuing at 0+75 digging down to 8 ft depth.



Project Name: Date: 9/18/2019 3:04:28 PM Stanton Energy Reliability Center **Project Location:** Weather: **Buena Park** Nice and clear. Little cloudy with some Monitor(s): isaini breeze in the morning, 64-81F Work Start Time: Work End Time: 3:30 PM 7:00 AM **Construction Company:** Contact(s): SE Pipeline Construction Robert Yes X No Did the (sub)contractors work more than 8 hours (Y/N)? X Yes No Was the Safety Briefing Attended/Signed: **Project Description:** Intersection of Crescent Ave/Dale Ave .

Scope of Construction Work Monitored/Equipment Used:

Two backhoe.

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Two backhoes continued trenching activity. One started from near Station # 2750 and the other started from near Station # 2900. Total of about 130 ft was trenched by the two operators down to maximum depth 10-13 ft. Bottom at maximum depth was observed in native light brown to light gray friable silty sands.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed during today's trenching activity.

Additional Comments:

Plan for tomorrow:

Will continue trenching south of Crescent Ave. Might have another crew for trenching activity.

Attachments (Y/N): X Yes No

Photograph Record:

9/18/2019 3:26:35 PM 9/18/2019 3:29:11 PM 9/18/2019 3:31:02 PM



Trenched section south of Station # 2900 down to max depth of about 10 ft.



Trenching activity at the intersection of Crescent Ave and Dale Ave



Trenched section from near Station # 2750 with maximum depth of about 13 ft.



Project Name: Stanton Energy Relighability	Date: 9/19/2019 9:09:33 AM
Project Location: At the intersection of Dale	Weather:
Monitor(s): tredinger	Sunny, 78 degrees by 9:00.
Work Start Time: 7:00	Work End Time: 3:30
Construction Company: Southeast	Contact(s): Robert Foreman
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	
At the intersection of Dale and La Palma 0+75 to 2+00	

Scope of Construction Work Monitored/Equipment Used:

Case backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Continuing trenching eastward from 1+00 the southeast crew started digging at 9:00. They dug until 11:25 and told us we could take lunch but we had to go back 5 minutes later because they thought that as long as they weren't putting the dirt in the trucks they could excavate without us. We explained to the that they were not allowed to disturb the sedi,nets underneath the cement without us present so they stopped and we finished our 30 minute lunch before starting digging again at noon with us.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

The crew meant at the intersection of La Palma and Dale is generally shallow sand with only a few inches of the fill material at the surface. The natural sand starts at approximately 6 inch depth. The sand here is similar to the sand seen along the rest of the site, and is light tan to white in color, medium grained, well sorted, and massively bedded. The top foot of the natural sediment (quaternary alluvium) contained light tilted bedding planes less tha 2 inches thick and tilted at a 30 degree angle dipping NNE. AT 1+00 the fill material dips down to a maximum of 4 ft where

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments: Worked with Jennifer as my partner for the day.

Plan for tomorrow: Continued trenching in the intersection of Dale and La apalma

Attachments (Y/N): Yes No

Photograph Record:

9/19/2019 9:49:10 AM 9/19/2019 1:24:03 PM



Southeast, start of digging at dale and LaPalma at 0+80



North, crew excavating around water main at intersection. (1+45)



Project Name: Stanton Energy Reliability Center	Date: 9/19/2019 3:02:11 PM
Project Location:Buena ParkMonitor(s):jsainiWork Start Time:7:00 AM	Weather: Nice clear and sunny with occasional breeze. Work End Time: 3:30 PM
Construction Company: SE Pipeline Construction	Contact(s): Robert
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No

Project Description:

One backhoe just south of Station # 3000 and the second backhoe just south of Station # 2750 Crescent Ave/Dale Ave intersection.

Scope of Construction Work Monitored/Equipment Used:

Two Backhoes

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

One backhoe continued trenching 26 inches to 4ft wide trench going south from Station # 3000. Roughly dug about 65 ft of section down to maximum depth of 10 ft or so. Encounter 2-3 underground utilities during trenching activity. Another crew continued trenching south of Crescent Ave/Dale Ave intersection near Station # 2800. Roughly dug a section of about 15-20 ft down to maximum depth of 9-10:ft

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

Roughly dug about 45% through pre- disturbed sediments and 55% through native friable silty sands. No

Additional Comments:

Plan for tomorrow:

Trenching will continue south of Station # 3050

Attachments (Y/N): X Yes No

Photograph Record:

9/19/2019 4:57:21 PM 9/19/2019 4:59:02 PM 9/19/2019 5:01:22 PM 9/19/2019 5:03:23 PM



Pot holing for utilities near Station # 3050



Trenching activity south of Station # 3000



Trenched length south of Station # 3000



Trenching activity south of Crescent Ave/Dale Ave intersection. Crew worked under tight street safety conditions.



Project Name: Stanton energy reliability center	Date: 9/20/2019 7:47:18 AM
Project Location:La Palma and Dale at 1+35.Monitor(s):tredingerWork Start Time:7:00	Weather: Crisp 65 and partially cloudy in morning Work End Time: 3:30
Construction Company: Southeast	Contact(s): Robert
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	
La Palma and Dale at 1+35. To 1+75	

Scope of Construction Work Monitored/Equipment Used:

Case 580 backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

At the beginning of the day the crew excavated about 10 ft of incomplete trench where they took a right angle at 1 +35. Once they finished that they helped the instigation crew get the pipe into the trench finished yesterday, then continued from 1+45 until 1+90. The trench went a maximum of 7.5 ft and there were 3 spots where they had to slow work to deal with sidewall collapse and old utility crossings.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Fill layer varied in height between 0.5 ft and 3 ft depth and was medium grey brown and contained some old concrete in places. The natural sediment underneath consisted of well sorted massive sand that was light tan in color and very dry and collapseable. At lower depths below 6 ft the sand contained slight stratification lines with micro layers of mocha minerals, but otherwise did not change. Quaternary alluvium.

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments: Worked with Jennifer Mcelhoes

Plan for tomorrow:

Monday trenching should continue from about 1+90 southward down the center driver of Dale.

Attachments (Y/N): X Yes No

Photograph Record:

9/20/2019 9:28:06 AM 9/20/2019 2:20:13 PM



Southwest, finishing up intersection trench segment between 1+30 and 1+80



Southwest. Crew finish g digging segment of trench at 1+90



Project Name: Stanton Energy Reliability Center	Date: 9/20/2019 8:22:57 AM
Project Location: Buena Park Monitor(s): jsaini	Weather: Nice clear and sunny. 63-81F
Work Start Time: 7:00 AM	Work End Time: 3:30 PM
Construction Company: SE Pipeline Construction	Contact(s): Robert
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	
Between Station # 3065 and 3375	

Scope of Construction Work Monitored/Equipment Used:

Two backhoes

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

The two backhoes removed the trench plates and started trenching activity around 9:15 AM going south from Station #3065 in two sections. Roughly trenched 26 inches to 4 ft wide trench down to maximum depth of about 7 -10 ft and total length of about 250 ft. It about 40% through pre-disturbed sediments and 60 % through native sediments

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were observed during today's trenching activity.

Additional Comments:

Plan for tomorrow:

Trenching activity will continue going south from Station #3375

Attachments (Y/N): X Yes No

Photograph Record:

9/20/2019 3:10:24 PM 9/20/2019 3:13:27 PM



Trenching activity near Station #3300



Trenching activity going south from Station #3065



Project Name: Stanton energy reliability center	Date: 9/23/2019 7:53:59 AM
Project Location: At the corner of Dale and La Monitor(s): tredinger Work Start Time: 7:00	Weather: Mostly cloudy, 69 degrees at start of day. Work End Time: 3:30
Construction Company: Southeast grading	Contact(s): Robert (foreman)
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	
At the corner of Dale and La Palma, continuing south from 1+7	0.

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

The southeast crew at La Palma and Dale continued trenching down to 8 ft depth from about 1+75 southward on Dale. They finish at 2+00. The 2nd southeast crew working on Dale at the Buena Park Downtown intersection used a backhoe to trench and also conducted potholing down to 9 ft deep in he intersection. They started at 6+70 and ended at 5+90.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Quaternary alluvium.Fill layer varied in height between 0.5 ft and 3 ft depth and was medium grey brown and contained some old concrete from modern sewage pipe in places. The natural sediment underneath consisted of well sorted massive sand that was light tan in color and very dry and collapseable. At lower depths below 6 ft the sand layer was extremely soft and dry and so it easily collapses from the walls. This texture continues all the way to Tamarak blvd. south of Tamarak the sand contains slightly more moisture so it holds together a little better. At 6+50

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments:

I worked alongside the Paleowest archeologist Jennifer Mcelhoes while monitoring this crew.

Plan for tomorrow: Continued trenching by both crews between la Palma and Tamarak

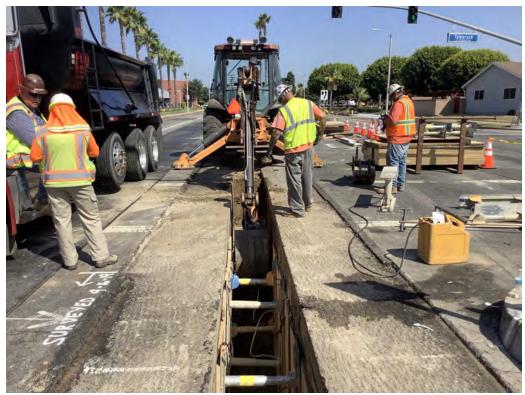
Attachments (Y/N): X Yes No

Photograph Record:

9/23/2019 9:46:27 AM 9/23/2019 11:05:53 AM 9/23/2019 12:50:25 PM



South, start of excavation at 1+85 at beginning of day.



North. 2nd crew at Buena Park downtown and Dale ave. Trenching down to 7.5 ft (6 +75)



North, inside of trench at tamarack and Dale. Sand is starting to become soft



Project Name: Stanton Energy Reliability Center	Date: 9/23/2019 9:37:21 AM
Project Location: Dale Ave	Weather:
Monitor(s): nkottachchi	Overcast and 73F
Work Start Time: 07:00	Work End Time: 11:30
Construction Company: Southeast Pipeline	Contact(s): Robert
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	

Between La Palma Ave and Crescent Ave down Dale Ave

Scope of Construction Work Monitored/Equipment Used:

580 Super N Case mini excavators (4)

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Four mini excavators were operating today; 2 within 500 feet of each other southeast of Crescent Ave and Dale intersection and other 2 within 500 feet of each other at La Palma and Dale Ave. The latter station was at 1+90. The one just southeast of La Palma at Buena Park Downtown was at 06+19-06+17 (for two potholes).

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Based on the soils observed within the trench and potholing, the upper 3 feet was disturbed and below this have Holocene alluvium. No older Quaternary sediments were observed. The sands are unconsolidated and medium-grained.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

I, PRS, went out today to assess the need for monitors and the soils being observed

Plan for tomorrow:

Crews will continue to trench

Attachments (Y/N): X Yes No

Photograph Record:

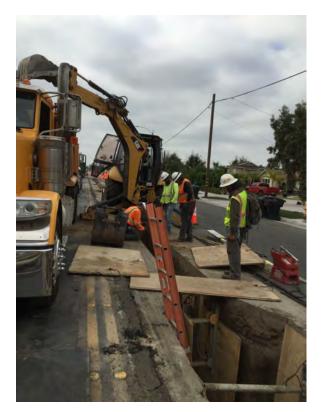
9/23/2019 9:38:25 AM 9/23/2019 9:53:29 AM 9/23/2019 9:56:36 AM 9/23/2019 10:22:09 AM



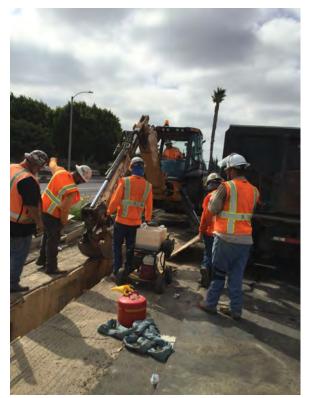
Crew laying pipe just NW of Crescent Ave and Dale intersection.



Holocene sands within the trench



Looking down trench



Excavations at La Palma and Dale; very sandy at depths of 7-8ft within Holocene alluvium



Excavations at Buena Park Downtown and Dale Ave, 500 feet from La Palma excavations



Pothole at Buena Park Downtown; existing pipeline is at approximately 4ft down. 3 feet of fill underlaid by clean medium sands of Holocene age.



Project Name:	Stanton Energy	Date: 9/23/2019 2:21:39 PM
Project Location:	Dale Ave & Lincoln	Weather:
Monitor(s): rrols	ston	Clear
Work Start Time:	7 AM	Work End Time: 3 PM
Construction Con	npany: SE Pipeline Contracto	ors Contact(s): Robert
Did the (sub)cont	ractors work more than 8 hour	s (Y/N)? Yes X No
Was the Safety B	riefing Attended/Signed:	X Yes No
Project Description	on:	

Dale Ave. just south of Lincoln

Scope of Construction Work Monitored/Equipment Used:

CAT 710 backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Trenching for new gas line. Trench is 2 ft. wide and 8 ft. deep, 9 ft. bell holes. Work starts at STA 31+ 50 and stopping at STA 32+ 50.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Starting at approx. STA 31+ 70 a stream deposit begins to appear. It is approx. 5 ft. below road surface and extends to the bottom of the trench. The deposit extends south to the end of today's work. At its thickest point thus far it is at least 3 ft. thick and possibly thicker. As deposit may extend beyond bottom of trench which is not exposed. Deposit is white loose medium to coarse sands with pebble and visible mica content.

Lithologic Description(s):

Observations of Paleontological Resources:

None noted.

Additional Comments: Monitoring was conducted by Richard Serrano

Plan for tomorrow: Continue trenching

Attachments (Y/N):

Photograph Record:



Project Name: Stanton energy reliability center	Date: 9/24/2019 8:38:46 AM
Project Location: On Dale between La Palma	Weather:
Monitor(s): tredinger	Clear skies, 70 degres
Work Start Time: 7:00	Work End Time: 3:30
Construction Company: Southeast	Contact(s): Ronnv (foreman)
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	

On Dale between La Palma and Tamarak (2+00 to 2+15)

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

The excavation crew use the backhoe starting at 2+00 and started trenching southward at 8:45. They had to stop for a while at 10:00 to help with the instillation crew. While they did that. I spot checked the 2nd machine that was continuing to move north from Tamarak. They were digging 7.5 ft deep trenches and worked between 6+00 and 5 +00 by the end of the day.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Fill sediment is reused native sediment. This fill goes down between 2 and 5 ft from the surface (undulating depths dependent on preexisting utilities). The closer to la Palma the native sand seemed to be closer to the surface. He fill is medium tan and contains some broken asphalt or modern pipe in places. Below fill and disturbed areas the native sediments consist of medium to fine white tan sand that is generally massive in texture but does contain some stratification at depths around 6 ft.

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments: Worked along side Gena, and Jennifer

Plan for tomorrow:

Both machines are moving towards each other on Dale between la Palma and Tamarak and will continue to do so tomorrow.

Attachments (Y/N): X Yes No

Photograph Record:

9/24/2019 8:46:45 AM 9/24/2019 11:01:05 AM 9/25/2019 6:52:50 AM



South, start of trenching at 8:45 2+00



East. Pothole to 57 inches with pipes 12 inches above bottom. All fill.

East, view of sidewall at 5+30. Bottom of trench at 7 ft. Stratified quaternary alluvium seen in bottom half.



Project Name: Stanton energy reliability center	Date: 9/25/2019 8:03:22 AM
Project Location: La Palma and Dale, and Monitor(s): tredinger	Weather: Overcast, 68 degrees.
Work Start Time: 7:00	Work End Time: 3:30
Construction Company: Southeast	Contact(s): Ronnv (foreman
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	

La Palma and Dale, and Tamarak and Dale (2 machines)

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Arrived at the site for tailboard meeting at 7:00. At meeting we had a special review with Alain Mayer to discuss cultural and paleo sensitivity requirements and issues from the past week with the operators. I then went with Jennifer to wait for excavation activities to begin at the intersection of La Palma and dale. The crew at the intersection of la Palma and Dale started digging at 9:30 at 2+00 heading south. At the end of the work day they finished at 2+40 They dug a maximum of 7.5 ft. Native sediments were seen below 2 ft. The 2nd crew started about

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Sediment at la Palma consisted of 2 ft of disturbed or fill material and native quaternary sand below that. The fill material looks similar to the native quaternary sand but is medium grey tan in color and can contain small chunks of asphalt or other mixed sediments or gravel. The must've quaternary sand is light tan to white In color, medium to fine grained and well sorted. The top 3 ft of the sand tends to be massively textured and at depths below that some stratified layering marked by concentration of Mica minerals are seen. This stratigraphic column is pretty consistent

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments: Worked with Natalie, gena, and Jennifer.

Plan for tomorrow: Continued trenching between 2+40 and 4+30

Attachments (Y/N): X Yes No

Photograph Record:

9/25/2019 7:31:31 PM

West, sidewall view at 5+45



Project Name: Stanton energy reliability center	Date: 9/26/2019 8:50:10 AM
Project Location: On Dale ave, just south of La Monitor(s): tredinger Work Start Time: 7:00	Weather: Overcast and cool, light sprinkles at lunchtime. Work End Time: 3:30
Construction Company: Southeast	Contact(s): Richard (foreman)
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	
On Dale ave, just south of La Palma starting at 2+45 and ending at 2+60	

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Only one day excavation crew was working between Tamarak and La Palma. They started trenching slightly after 9:00 from 2+50. They continued to trench between 6 and 8 ft depth southward. They finished the day at 2+60 after scraping against an unknown sewage line 6 ft deep and needed to spend an hour at 5e end of the day cleaning up around he pipe.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Fill sediment is reused native sediment. This fill goes down between 2 and 5 ft from the surface (undulating depths dependent on preexisting utilities). The closer to la Palma the native sand seemed to terminate closer to the surface (less than 2 ft). The fill is medium tan and contains some broken asphalt or modern pipe in places. Below fill and disturbed areas the native sediments consist of medium to fine white tan sand that is generally massive in texture but does contain some stratification at depths around 6 ft.

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments: Monitored one machine only today with Jennifer

Plan for tomorrow: Continued trenching southward from where they left off today.

Attachments (Y/N): X Yes No

Photograph Record:

9/26/2019 9:38:41 AM 9/26/2019 2:08:19 PM



South, start of work at beginning off day with Ronny's crew. Trench sand super soft and problematic so work is sow. (2+50)



South, crew hit an unmarked sewer pipe and are in the process of excavating around it to determine next step.



Project Name: Stanton energy reliability center	Date: 9/27/2019 7:22:55 AM
Project Location: South of the intersection of	Weather:
Monitor(s): tredinger	Overcast and cool
Work Start Time: 7:00	Work End Time: 3:30
Construction Company: South east	Contact(s): Robert (foreman)
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No
Was the Safety Briefing Attended/Signed:	X Yes No
Project Description:	
	20)

South of the intersection of Dale and La Palma starting at (2+70)

Scope of Construction Work Monitored/Equipment Used:

Back hoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Work started by the crew hand digging around the sewer pipe. They will be dropping the trench below the pipe so the section of trench south of 2+70 will be 9 ft deep. They started excavating with the backhoe after an hour. Work was slow due to caving in sidewalls. We took lunch at 12:45.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Fill sediment is reused native sediment. This fill goes down between 2 and 5 ft from the surface (undulating depths dependent on preexisting utilities). The closer to la Palma the native sand seemed to terminate closer to the surface (less than 2 ft). The fill is medium tan and contains some broken asphalt or modern pipe in places. Below fill and disturbed areas the native sediments consist of medium to fine white tan sand that is generally massive in texture but does contain some stratification at depths around 6 ft.

Lithologic Description(s):

Observations of Paleontological Resources:

None seen at this location of the site.

Additional Comments: Monitored 1 backhoe with Jennifer today.

Plan for tomorrow:

Continue southward from where they stopped trenching today.

Attachments (Y/N): X Yes No

Photograph Record:

9/27/2019 10:17:16 AM 9/27/2019 1:43:25 PM



South, start of machine excavation at 2+75. Depth going to max 9 ft. Soft sand starts at 2 ft and continues all the way down.

South, extent of digging by 5e end of the work day. Excavation only occurred between 2+75 and 2+80)



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Reliability Center	Date: 9/30/2019 9:00:09 AM		
Project Location: On Dale 200 ft south of la	Weather:		
Monitor(s): tredinger	Clear and cool, 65 degrees		
Work Start Time: 7:00	Work End Time: 3:30		
Construction Company: Southeast	Contact(s): Richard		
Did the (sub)contractors work more than 8 hours (Y/N)?	Yes X No		
Was the Safety Briefing Attended/Signed:	X Yes No		
Project Description:			

On Dale 200 ft south of la Palma starting at station 2+75 and ending at 3+70

Scope of Construction Work Monitored/Equipment Used:

Case backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

The crew started digging at 9:00 where they had left off at 2+75. Hey continued trenching southward up to 7 ft deep in the bell holes. Trenching was faster than previous days due to a replaced backhoe operator and more solidified sand. They finished he day at 3+60.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Fill sediment is reused native sediment. This fill goes down between 2 and 5 ft from the surface (undulating depths dependent on preexisting utilities). The fill is medium tan and contains some broken asphalt or modern pipe in places. Below fill and disturbed areas the native sediments consist of medium to fine white tan sand that is generally massive in texture but does contain some stratification at depths around 6 ft. The sand is primarily quartz based and contains a lot of biotite.

Lithologic Description(s):

Observations of Paleontological Resources:

None

Additional Comments: Worked with Natalie and Jennifer today.

Plan for tomorrow: Finish last 100 ft of the trench between La Palma and Tamarak

Attachments (Y/N): Yes No

Photograph Record:

9/30/2019 10:40:24 AM 10/1/2019 6:31:46 AM



South. Crew excavating down to 7 ft at bel hole (3+20)

Souh, sidewall exposure in the bellhole at 3+50



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontogy

Project Location: Buena Park

Monitor(s): ggranger

Work Start Time: 7:00

Construction Company: SE pipeline

Did the (sub)contractors work more than 8 hours (Y/N)?

Was the Safety Briefing Attended/Signed:

Project Description:

405 Dale Ave Buena Park

Scope of Construction Work Monitored/Equipment Used:

2 backhoes

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Monitoring 2 backhoes excavating 8 foot deep pipeline trench at stations 35+00=35+50 and 37+15-37+35

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Light tan poorly sorted Medium and coarse grain sands with pebbles and granules. In marked Clay pipe sewer at station 37+25 5 ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

Fill down to 2-3 feet then native sands 3-8 feet

Additional Comments:

David Alexander monitored for Paleontology

Plan for tomorrow: Continue Monitoring

Attachments (Y/N):

Yes X No

Photograph Record:

Weather: Clear,sunny ai	nd warm
Work End Tir	me: 3:30
Contact(s):	Alain Mever (SCG)

Date: 9/30/2019 1:31:04 PM

Yes X No

X Yes No

Attachment 8 – ELEC-1

Attachment 8 has been deliberately left blank in this reporting period

Attachment 9 – GEN-2 Master Drawing List

Attachment 9 has been deliberately left blank in this reporting period

Attachment 10 – GEN-3 CBO Payment

sheldenne, Ryan - East and Dissbated for a (Round Cound) form

Timeout: 0:14:44

Heig



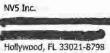
View Payment History

Home Accounts Paymenter Transfers Check Sérvices Tools

Payment Information	
Status	Confirmed
Confirmation Number	IMAD:1001L4B74B1C000062
Payment Number	50156942
Debit Account	SERC OP - *****6538
Debit Amount	127,344.34 USD
Value Date	10/01/2019
Send Date	10/01/2019
Frequency	One-Time Only
Reference for Recipient	Invoice#134623
Details of Payment	Stanton Energy Reliability Center Project No: 550818-0000020.00 Invoice No: 134623
Ordering Customer	

Recipient Information

Recipient



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

Charles L Griffin:A010 97C000001 667ED3B6E 000005E0F Digitally signed by Charles L Griffin:A01097C000 001667ED3B6E000 005E0F Reason: Approved Date: 2019.09.12 08:26:44 - 07'00'

JAMES HEANEY, P.E. STRUCTURAL ENGINEER

YEARS OF EXPERIENCE 10

EDUCATION

• B.S., Civil Engineering, University of Kansas

AREAS OF EXPERTISE

- Coal-Fired Power Plants
- Combustion Turbines
- Deep Foundation Analysis and Design
- Repair and Remodeling of Existing Structures

LICENSING

- P.E.: Alabama
- P.E.: Arkansas
- P.E.: Iowa
- P.E.: Kansas
- P.E.: New Mexico
- P.E.: New York
- P.E.: Ohio
- P.E.: Pennsylvania
- P.E., Structural: Texas

SPECIAL TRAINING

• PSMJ A/E/C Project Management Bootcamp

CERTIFICATION

• Transportation Worker Identification Credential Certified

AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- Structural Engineers Association of Kansas and Missouri (SEAKM)
- American Concrete Institute (ACI)



EXPERIENCE SUMMARY

Mr. Heaney is responsible for planning, design, and construction support for structural projects relating to electric power generation, energy distribution, material handling, and industrial facilities. He has experience on several types of structural design projects working with steel, concrete, and masonry. Mr. Heaney has completed designs for both superstructures and substructures of new and existing facilities.

Montana Dakota Utilities Co., Heskett Unit 3, Mandan, North Dakota

Lead Structural Engineer responsible for a new 88 MW GE 7EA combustion turbine installed adjacent to two (2) existing coal-fired units with design provisions for a future Unit 4 and combined-cycle option. Contract Engineer for underground and site work contract portion of the project. Responsible for design of all concrete foundations, pipe/duct supports, Service Building, and exhaust stack design and procurement.

Westar Energy, Westar JEC Bottom Ash Settling Tank, St. Marys, Kansas

Project Engineer responsible for coordinating design activities of all involved engineering disciplines and sub-consultants. Lead structural engineer responsible for designing the reinforced concrete tank and flow control scheme. POWER completed the design of a concrete bottom ash tank at Westar's Jeffrey Energy Center to replace the existing bottom ash settling area. The Jeffrey Energy Center has three (3) 780 MW coal fired units located near St. Marys, Kansas that went into service between 1978 and 1983. POWER's scope of work included tank sizing for proper bottom ash settling, civil site design, civil/structural concrete tank design, and mechanical design for rerouting the bottom ash sluice piping and tank outlet

Associated Electric Cooperative Inc., New Madrid Power Plant Projects, Marston, Missouri

Lead Structural Engineer responsible for the fly ash silo modifications project responsible for overseeing the fly ash mixer installation package for dry to wet ash conversion. These projects included the addition of fly ash conditioning equipment to an existing fly ash silo installation to allow discharged fly ash product to be hauled in open trucks to landfill. Assistant structural engineer on coal reclaim tunnel structural review, which included analysis and redesign of feeder hoppers, sump, and conveyor components.

MidAmerican Energy Company, Neal Energy Center Unit 3 Coal Unloading Control Building Replacement Project, Sergeant Bluff, Iowa

Lead Structural Engineer and Project Engineer responsible for project to design a replacement coal unloading control building. Responsible for coordinating design among all disciplines on the project including architectural, mechanical, electrical and controls. Performed LIDAR scan of the existing coal control building and the surrounding area. Project included a new 60'x25' building elevated approximately 20-feet off the ground and straddling existing rail car building and unloading tracks. Building was designed for occupancy of 8 employees and was completed on a fast-track design process.

Kansas City Power & Light, latan Generating Station 2C Clarifier Construction Management Project, Weston, Missouri

Lead Structural Engineer responsible for providing on-site construction support during the installation of an 83-foot diameter tank and pump building. This included piling and foundation work, underground pipe and electrical installation, and construction support and management. Managed field Requests for Information, weekly meeting agendas, change order logs, locating existing underground utilities to coordinate pre-dig meetings with contractor, and performed or coordinated building special inspection services for the county.

Johnson Controls, Red River Army Department Biomass Boiler Addition, Hooks, Texas

Lead Structural Engineer responsible for new biomass boiler addition including the design of new fuel storage building foundation, specification of pre-engineered metal Fuel Building, and modifications to existing boiler building to support and house a new 25,000 pounds-per-hour wood biomass boiler. POWER was retained by Johnson Controls, Inc. (JCI) to perform schematic design and prepare detail design documents for the addition of a biomass boiler to an existing co-fired (coal and biomass) boiler plant. The new boiler addition included a nominal 27,600 lb/hr, 125 psig, wood-fired boiler, preheater, fly ash collector, ESP, material handling, indoor fuel storage, and control room modifications at Red River Army Depot. The boiler was installed inside the existing boiler house. POWER's work included Civil, Structural, Mechanical, Electrical, & Controls Design, Storm-Water, Grading Design, & Underground Utility Relocation, Equipment Foundations & Walking Floor Fuel Storage Design, Balance-of-Plant Equipment Sizing & Specification, Tie-Ins to Existing Facility, Steam & Feedwater Piping Design, New Motors & VFDs to Existing ID & FD Fans, Form of Contract: Performance Contract (Between JCI and Owner), Energy Conservation Measure 1 - Biomass Boiler Addition and Energy Conservation Measure 2 -Upgrade to Existing Boilers.

Westar Energy, Lawrence Energy Center Projects, Lawrence, Kansas

Lead Structural Engineer responsible for the Unit 5 mill platform extension project. Responsible for design of platforms and monorail modifications. Lead structural engineer on the Unit 5 mill feeder stand modification to improve access for installation of explosion prevention device. Lead Structural Engineer on the replacement of existing pump house roof in addition to concrete and masonry repairs and modifications. Lead Structural Engineer for redesign of the Conveyor 7 underhung take-up pulley platform. Lead Structural Engineer for Unit 4's main steam isolation valve platform. Lead structural engineer for inspection and analysis for Units 3, 4, and 5 stack platforms and ladders.

Westar Energy, Tecumseh Energy Center Projects, Topeka, Kansas

Lead Structural Engineer responsible for the design of a copper ion generator installation package in existing pump house. Lead structural engineer for study that provided inspection, analysis, and conceptual repairs for original 1920's boiler house which was previously decommissioned and abandoned in place. Project was later amended to study 1950's boiler house addition and 1920's river intake structure which have remained in use. Lead structural engineer for Unit 8/10 cooling tower replacement and inspection of reused tower basin. Lead structural engineer for mill rigging plan study. Lead structural engineer in study performed to evaluate design of existing mill lifting devices.

Moly-Cop USA, Moly-Cop Grinding Media Plant Projects, Kansas City, Missouri

Lead Structural Engineer and Project Manager for Ball Annealing and Heat Treatment Conversion Project to improve product quality. Assisted in specifications and provided layout for rotary hearth furnace, lift conveyors, cooling bed, and overhead crane. Designed and provided field support for all construction activities including new equipment foundations, gravity-fed chute work, access platforms, 120-ton annealing hopper, hydraulic system, electrical/control systems, and pneumatic systems. In another project, Mr. Heaney acted as Project Manager, Lead Engineer and Lead Structural Engineer responsible for the replacement of existing cooling tower with larger, more efficient unit reusing the existing foundation and pumps/equipment. Additional structure, platforms, and instrumentation were added to the cooler tower as a portion of this project to scope of project.

Massachusetts Institute of Technology, Massachusetts Institute of Technology MIT Boiler 9 and Building N16C

Lead Structural Engineer responsible for the boiler upgrade which included substructure and superstructure design of a steel framed building to enclose a new and existing boiler. Project also included specifications for a 185-foot stack and design of its foundation. This project replaced an existing package boiler with an ultra-low NOx O-type 100 kpph package boiler. A surrounding building with HVAC, bathroom, and plant drains was added to conceal and protect the boilers and associated equipment. POWER provided full engineering design services (mechanical, electrical, civil, structural, and air quality) while subcontracting architectural services. This project is located in the middle of campus on a small footprint. Extensive planning and a custom boiler design were required to fit the available space. POWER assisted MIT in this planning process and worked with the boiler manufacturer to design a solution that would meet stringent environmental emissions in this small footprint. POWER also helped improve student safety by redesigning the blow down system. The plant successfully remained in operation during construction, even in spite of space constraints.

Argus Consulting, Defense Fuel Support Point, Charleston, South Carolina

Assistant Structural Engineer responsible for design of repairs to 18-inch diameter jet fuel pipelines. Work included steel pipe support designs and concrete foundation design. Project also included designing the 80-foot long pipe bridge replacement to existing unloading wharf.

City Utilities of Springfield, John Twitty Energy Center, Springfield, Kansas

Lead Structural Engineer and acting Project Manager responsible for Bottom Ash Dewatering Tank Project. Provided specification, detailed design, bid evaluation and construction support services for a 160 feet by 230 feet by 12 feet deep concrete tank with pump support and access platforms, and coordinated all design disciplines. Engineering design and construction were on an expedited schedule and occurred simultaneously in approximately four (4) months.

CCC Group, Longview Power Plant, Maidsville, West Virginia

Lead Structural Engineer on the five mile outdoor coal overland conveyor system (Phase III) including bridge foundations, transfer house and tower foundations, and an underground reclaim structure.

Westar Energy, Jeffrey Energy Center, St. Marys, Kansas

Lead Structural Engineer responsible for the design of new monorail systems for various pumps in the Absorber Building. Lead Structural Engineer on SNCR and Overfire Air retrofit project for Unit 3 with provisions for future Unit 2 system that was eventually and installed by Mr. Heaney. Project included design of foundations for Urea Solutionizing Building, Outdoor Tank Farm, and Outdoor Truck Unloading Pit. Project superstructure designs included steel modifications and additions to accommodate three (3) premanufacturerd enclosures various pieces of equipment installed on an existing 15-story boiler framing structure. This project also included preliminary design and specification of a 40-feet by 80-feet by 43-feet preengineered solutionizing building with mezzanine. Lead Structural Engineer on the design of Unit 3 absorber inlet damper rigging plan supported by existing structural steel. Lead Structural Engineer on study and rigging plan for addition of an electrical skid on the 9th floor of the Unit 1, 2, and 3 boiler building. Lead Structural Engineer on design of Units 1, 2, and 3 boiler hatch access platforms. Lead Structural Engineer on inspection of Units 1, 2, and 3 stack inspection project. Lead Structural Engineer on bottom ash hopper strain gauge study. Assistant Structural Engineer for inspection and design of modifications for Units 1, 2, and 3 mill maintenance platforms. Lead Structural Engineer for 106 and 107 Feedwater Heater Replacement project, which included all structural steel analysis, modifications, and verification of rigging loads to remove and replace two (2) existing 90-ton feedwater heaters on congested elevated platforms of a 15 story boiler structure.

Eric S. Newman, SE



Eric S. Newman, SE - TranSystems Structural Engineer

Mr. Newman is an Assistant Vice President at TranSystems and is a licensed structural engineer in the state of California. He has conducted structural investigations, structural observations and seismic evaluations, and designed repairs and renovations to many types of structures including buildings, bridges, and waterfront structures. Eric is proficient in the condition assessment, analysis, design, and detailing of reinforced concrete, prestressed concrete, steel, timber and masonry. His experience includes industrial, administrative, training, warehouses, maintenance facilities, and barracks. He has conducted various nondestructive testing (NDT) investigations and destructive concrete explorations. He has prepared condition assessment reports, repair recommendations, construction plan sets, construction specifications, and cost estimates.

Marine Safety Building Repairs, San Clemente, CA

Project Manager, Engineer of Record. Structural concrete and timber repairs to the 6,000 SF pile supported Lifeguard Headquarters and design of new steel sheet pile bulkhead with concrete cap and concrete slope protection (2018).

Welding School Renovations, U.S. Navy, Pearl Harbor, HI

Engineer of Record. Design of repairs and renovations to a 9,000 SF steel shop building including new wind girts, roof framing, interior classrooms, masonry walls, moment frame supported mechanical platform and operable partition (2017).

Snow Park Restroom Seismic Retrofit, Oakland, CA

Engineer of Record. Seismic retrofit of unreinforced masonry and timber park restroom (2017).

LAX Consolidated Rental Car Facility, Los Angeles, CA

Design Engineer. Preliminary design of campus with multiple fourstory concrete buildings totaling 5.9 million square feet for rental car customer service, storage, and maintenance (2016).

Registrations

Professional Engineer – Civil CA C81585, 2013

Structural Engineer – CA S6508, 2017

Education

MS, Structural Engineering, University of Massachusetts Lowell, 2010

BS, Civil Engineering, University of Maine, 2008

Training

OSHA 10 Hour Construction and Safety Training

OSHA Confined Entry Training

First Aid, CPR, AED & Emergency Oxygen Certification

PADI Open Water Diver

Affiliations & Memberships

American Society of Civil Engineers, 2004 Structural Engineers Association of California, 2011 Society of American Military Engineers, 2018

Years of Experience

Years with Firm

SPAWAR End to End Lab, U.S. Navy, Point Loma, CA

Project Manager, Engineer of Record. Design of a new two-story 4,000 square foot masonry and steel office building with a concrete mat foundation (2016).

FRC Building & Pier 4 Extension, U.S. Coast Guard Training Center, Cape May, NJ

Engineer of Record. 270 feet long x 25 feet wide concrete pier extension & 10,500 SF Support Building. Design of new extension to concrete pier for new 154' Fast Response Cutters and design of new one story masonry support building on a steel pipe pile foundation (2015).

U.S. Coast Guard Station Atlantic City, Atlantic City, NJ

Design Engineer. 150' long steel sheet pile bulkhead with concrete cap, Stone revetment & new two-story 11,700 square feet pile-supported Boat Maintenance Facility. The new bulkhead was installed in front of an existing failing seawall. The gap between the existing and new bulkheads was filled with lean concrete to prevent soil migration into the void space between walls (2015).

U.S. Coast Guard Station Manasquan Inlet, Point Pleasant Beach, NJ

Design Engineer. 300' long steel sheet pile bulkhead with concrete cap & 75' long helical soil anchors, Concrete boat launch ramp & new three-story 21,300 square feet pile-supported Multi-Mission Building. The new bulkhead was installed in front of an existing failing seawall (2015).

Building 980 Seismic Retrofit, U.S. Marine Corps, Yuma, AZ

Project Manager, Engineer of Record. Seismic Retrofit of 11,000 SF wood office building (2015).

Mission Bay Yacht Club Bodrero Building, San Diego, CA

Inspector, Report Writer. Top deck and underdeck structural condition assessment of 6,000 square foot timber pile supported clubhouse. Repair recommendations, design concepts, Building Code analysis, and cost estimate for repairs (2015).

FRC Homeport Upgrades, U.S. Coast Guard Base Ketchikan, Ketchikan, AK

Design Engineer. 400 feet long concrete floating dock, concrete wharf upgrade for crane operations, 240 feet long concrete seawall and new two-story 12,600 square feet MAT/HAZMAT Building (2014).

Homeporting FRC, U.S. Coast Guard Base Honolulu, Honolulu, HI

Design Engineer. 600 feet long concrete wharf & 8,300 square feet MAT Building. Inspection and Design of upgrades to concrete wharf Berths C & D and new MAT building (2014).

SPAWAR Command & Intelliegency Lab, U.S. Navy, Point Loma, CA

Design Engineer. Design of a new 5,000-square-foot masonry and steel office building for a classified lab (2014).

SPAWAR Building 588, U.S. Navy, Point Loma, CA

Design Engineer. Design of a second story addition to the 1,500 square foot wood office building (2014).

FoodComm International Food Warehouse & Processing Facilty, Logan Township, NJ (2013)

Design Engineer. New 110,000 SF steel cold storage warehouse with mezzanine (2013).

NOAA La Jolla Laborartory Replacement, La Jolla, CA

Design Engineer. New five-story 240,000 SF concrete and steel building with laboratories, offices, parking garage and 33 feet deep technology tank (2012).

MCRD Parade Ground Restroom, U.S. Marine Corps, San Diego, CA

Design Engineer. Design of a new 1,800 SF masonry restroom (2012).

National Park Services (NPS) Alcatraz Park Water Tower, Alcatraz Island, CA

Design Engineer. Assessment of the deteriorated tank wall and internal bracing and associated structural stability analysis of the restoration of the historic Alcatraz Water Tower. Scaffold wind loading analysis of the 95 foot tall steel water tower (2011).

Kevin H. Nguyen, PE



Kevin H. Nguyen, PE - TranSystems

Project Engineer

Mr. Nguyen is a licensed Civil Engineer in the state of California with over 4 years of experience in the structural design and inspection of buildings, bridges, retaining walls, and waterfront structures. He has a strong understanding of gravity and lateral force resisting systems for structures. He is proficient in the analysis, design, and detailing of reinforced concrete, prestressed concrete, steel, timber and masonry. Kevin's graduate studies focused on the seismic analysis and design of buildings in California.

Rosecrans Maintenance Building, County of Los Angeles, Manhattan Beach, CA

Project Engineer, Inspector. Design of structural repairs to a two story 5,500 SF maintance and lifeguard headquarters building including concrete spall repair, timber repairs and masonry repairs.

Welding School Renovations, U.S. Navy, Pearl Harbor, HI

Project Engineer. Design of repairs and renovations to a 9,000 SF steel shop building including new wind girts, roof framing, interior classrooms, masonry walls, steel moment frame supported mechanical platform and operable partition.

Mandalay Bay Seawall Condition Assessment & Monitoring, Oxnard, CA

Project Engineer, Inspector. 7 miles of timber pile supported cantilever concrete seawalls and tie-back supported precast concrete seawalls. Inspection and condition assessment of seawalls with suspected movement.

Registrations

Professional Engineer – Civil CA C89650, 2018

Education

MS, Civil Engineering, University of California, Irvine, 2019

BS, Civil Engineering, University of California, Irvine, 2015

Training

OSHA 10 Hour Construction and Safety Training

First Aid, CPR, AED & Emergency Oxygen Certification

Affiliations & Memberships

American Society of Civil Engineers, 2015

Years of Experience 4

Years with Firm

4

Marine Safety Building Repairs, San Clemente, CA

Project Engineer. Structural concrete and timber repairs to the 6,000 SF pile supported Lifeguard Headquarters and design of new steel sheet pile bulkhead with concrete cap and concrete slope protection.

T-Street Bridge Renovation, San Clemente, CA

Project Engineer. TranSystems performed a non-destructive visual condition survey of the concrete deck topping on the T-Street pedestrian bridge, made repair recommendations and provided budgetary cost estimates for repairs. TranSystems then prepared construction drawings and specificiations for the replacement of the dock topping slab using polymer modified mortar.

I-5 Widening Segment 2 (Oso Parkway to Alicia Parkway), OCTA, Mission Viejo and Laguna Hills, CA

Project Engineer. Design of highway widening including reestablishment of existing auxiliary lanes, interchange reconstruction, ramp modifications, bridge widening and replacement, retaining walls, and sound walls. The project included a complete interchange reconstruction at La Paz Road with added capacity on La Paz road, Oso Creek and El Toro overhead bridge widening, replacement of the La Paz Road UC bridge structure and northbound off-ramp bridge over SCRRA/Metrolink tracks.

 Charles L
 Digitally signed by

 Griffin:A01097
 Charles L

 Griffin:A01097
 Griffin:A01097C000001

 C000001667E
 667ED386E000005E0F

 D3B6E000005
 Reason: Approved Date: 2019.09.12

 E0F
 09:01:45 -07'00'

BRYAN MORRIS

Professional Registrations

- ICC , Structural Masonry No. 5224817-84
- ICC, Reinforced Concrete No. 5224817-49
- ACI Field Technician Grade 1, No. 01004021
- Certified Nuclear Gauge
 Operator

Mr. Morris is a well-qualified special inspector with 18 years field and laboratory experience. He has performed the duties of Quality Control Inspector, Supervisor/Inspector, Senior Construction Inspector for major industrial improvement projects with a range of base material and structures. He is trained in Caltrans test procedures and is familiar with methods, materials, tools and equipment utilized in highway construction. Duties for recent work include compliance, verifying and monitoring of documentation and project material, inspection, sloping and shoring, underground utilities, overhead obstructions, inspection of excavation, backfill, culverts, foundations, sub-grade, cement treated base, JPCP, concrete, dowels, tie bars, plane joints, texturing, profiling, HMA proof rolling and compaction, steel case jacking, drainage structures, shoring, grouting of encasement/pipe.

CARLSBAD DESALINATION PLANT [POSEIDON PROJECT], CARLSBAD

Special Inspector | Responsible for the inspection of civil and structural components of the project. Coordinating with the contractor, field engineers and architects on diagnosis and problem solving as well as suppliers and procurement receiving verification, coatings contractor and substraight /application verifications and resistance testing, millwrights and motor/pump alignment rotation verification, electrical underground and above ground conduit installation and code compliance verification, also grounding, wire termination, and instrumentation testing and verification.

El Segundo Energy Center- Lead Inspector

Provided lead QC inspection for the replacement of 660 MW combined cycle power plant. Observed demolition of the existing main tank, surge tanks, piping and perimeter structures. Site confinement required that all demo materials be removed daily due to site location and size. Observed grading, structural foundation and concrete placement, placement of specialized oil barrier, and removal and installation of intake and outfall piping. Observed the placement of structural steel tank with specialized handling of the components due to size and storage at site. Observed installation of replacement of HRSG units and all related utilities.

Canyon Power Plant, Anaheim [Completed Sep 2011]

Provided lead inspection for this 200 MW simple cycle gas fired plant. Provided concrete and civil inspection in addition to assisting with the review of submittals and construction work plans. Performed quality control inspection of storm drain, edge drain, underground electrical conduits, barrier, sign trusses framings, DTi washers, concrete placement, reinforcing steel.

Recycled Water Facilities, Corona

Provided lead QC inspection for approximately 142,000 linear feet of recycled water transmission pipelines. In addition, the project consists of three recycled water pump stations, three pre-stressed concrete recycled water storage reservoirs and improvements to existing tertiary treatment facilities. Mr. Morris provided the lead inspection for this project overseeing multiple support personnel.

ExxonMobil, Torrance, CA – Provided concrete inspection for the ESP structure.

Long Beach Community College Pipeline Project, Long Beach, CA

Pier "S" Expansion, Port of Long Beach, CA Provided QC civil inspection, concrete sampling and oversight inspection.

Pier "E" Expansion, Port of Long Beach, CA Provided QC civil inspection, concrete sampling and oversight inspection.

MTA Blue Line, Long Beach, CA

Inspector

Henry Ford Grade Separation, Wilmington, CA

PCH (Caltrans District 7), Ventura, CA

Newport Reservoir, Newport Beach, CA

Fullerton Municipal Airport, Fullerton, CA

Kaiser Anaheim Medical Center, Irvine, CA – Provided lead soils inspection for the HSB, Medical Tower, Central Plant & Parking Structure.

Kaiser Corona Medical Center, Corona, CA – Provided lead soils inspection for the MOB.

Kaiser Sand Canyon Medical Center, Irvine, CA – Provided lead soils inspection for the HSB, Medical Tower, Central Plant & Parking Structure.

Kaiser Downey Medical Center, Downey, CA – Provided Soils inspection for the MOB & Hospital.

Kaiser Permanente Hospital, Ontario, CA – Provided lead soils inspection for the MOB, Central Plant & Surgery Center.

Long Beach Community College Pipeline, Long Beach

Kaiser Medical Center, Anaheim

Provided lead soils inspection for the HSB, Medical Tower, Central Plant & Parking Structure.

ExxonMobil, Torrance – Provided concrete inspection for the ESP structure.

Kaiser Corona Medical Center, Corona – Provided lead soils inspection for the MOB.

Kaiser Sand Canyon Medical Center, Irvine – Provided lead soils inspection for the HSB, Medical Tower, Central Plant & Parking Structure.

Kaiser Downey Medical Center, Downey – Provided Soils inspection for the MOB & Hospital.

Kaiser Permanente Hospital, Ontario – Provided lead soils inspection for the MOB, Central Plant & Surgery Center. **Casteler Elementary School** – Library Renovation

Sonia M. Sotomayor Learning Academies, Los Angeles

This new school consists of five small learning communities that include classrooms, science labs, and academy administration.

- **Pier "S" Expansion**, Port of Long Beach Provided soils inspection, concrete sampling and oversight inspection.
- **Pier "E" Expansion**, Port of Long Beach Provided soils inspection, concrete sampling and oversight inspection.
- Los Angeles Regional Transp. Mgmt. Center, Glendale (DGS)
- Fair Oaks Ranch Elementary School, Canyon Country
- Mitchell Elementary School, Canyon Country
- Madison Elementary School, Pasadena
- Marshall High School, Pasadena
- Longfellow Elementary School
- GSA Federal Bldg., Santa Ana
- Cerritos Millennium Library, Cerritos
- MTA Blue Line, Long Beach
- Henry Ford Grade Separation, Wilmington
- PCH (Caltrans District 7), Ventura
- West Knoll Housing Project, Hollywood
- West Palm Housing Project, Hollywood
- Newport Reservoir, Newport Beach
- Fullerton Municipal Airport, Fullerton

Attachment 12 – Gen-7 Discrepancy

<Attachment 12 has been deliberately left blank in this reporting period>

Attachment 13 – GEN-8 Final Inspections

< Attachment 13 has been deliberately left blank in this reporting period >

Attachment 14 – SOIL&WATER-4 Water Use

Meter 6917650		
10711 Dale Street, Stanton CA		
Date	Reading	Usage CF
9/2/2019	68770	820
9/3/2019	69590	820
9/4/2019	70220	630
9/5/2019	70740	520
9/6/2019	71310	570
9/9/2019	71940	630
9/10/2019	72550	610
9/11/2019	73110	560
9/12/2019	73660	550
9/13/2019	73990	330
9/16/2019	74640	650
9/17/2019	75120	480
9/18/2019	75620	500
9/19/2019	76070	450
9/20/2019	76520	450
9/23/2019	77140	620
9/24/2019	77540	400
9/25/2019	77980	440
9/26/2019	78210	230
9/27/2019	78370	160
9/30/2019	78810	440
Total		10860

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

September 9, 2019

TO:	Engineering Manager Stanton Energy Reliability Center, LLC/W Power, LLC
FROM:	Alan Ho, S.E., Senior Structural Engineer NV5, Inc. <u>Alan.Ho@nv5.com</u> 916.346.8866
CC:	Eric Rodriguez, Lead Engineer NV5, Inc.
SUBMITTAL:	SERC_16-AFC-01_STRUC-1-43.0_GSU & CALCS_190829_PCF

MEMORANDUM:

DATE:

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 ----

This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Omissions & Errors on documents shall not be valid and all codes and Laws must be complied with. Digitally signed by Alan Ho Reason: Reviewed for Code Compliance. Date: 2019.09.09 22:02:19 -07'00'



MEMORANDUM – DCBO APPROVAL

DATE: July 22, 2019

TO: Engineering Manager Stanton Energy Reliability Center, LLC/W Power, LLC

- FROM: Alan Ho, S.E., Senior Structural Engineer NV5, Inc. <u>Alan.Ho@nv5.com</u> 916.346.8866
- CC: Eric Rodriguez, Lead Engineer NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_STRUC-1-20.0_DEMIN TANK & CALCS_190712_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 ---

This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Omissions & Errors on documents shall not be valid and all codes and Laws must be complied with. Digitally signed by Alan Ho Reason: Reviewed for Code Compliance. Date: 2019.07.22 20:18:00 -07'00'

MEMORANDUM – DCBO APPROVAL

DATE: September 9, 2019

TO: Engineering Manager Stanton Energy Reliability Center, LLC/W Power, LLC

- FROM: Alan Ho, S.E., Senior Structural Engineer NV5, Inc. <u>Alan.Ho@nv5.com</u> 916.346.8866
- CC: Eric Rodriguez, Lead Engineer NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_STRUC-1-22.0_FGC SKID & CALCS_190829_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 ---

This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Omissions & Errors on documents shall not be valid and all codes and Laws must be complied with. Digitally signed by Alan Ho Reason: Reviewed for Code Compliance. Date: 2019.09.09 21:05:27 -07'00'

MEMORANDUM – DCBO APPROVAL

DATE: September 17, 2019

TO: Engineering Manager Stanton Energy Reliability Center, LLC/W Power, LLC

- FROM: Charles Griffin, Deputy DCBO NV5, Inc. <u>charles.griffin@nv5.com</u> 619.729.7225
- CC: Eric Rodriguez, Lead Engineer NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_STRUC-2-1.0_STRUC OBSERVATIONS_190909_PC2

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: September 3, 2019
 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
- CC: Eric Rodriguez, Lead Engineer NV5, Inc.

916.346.8866

SUBMITTAL: SERC_16-AFC-01_STRUC-1-35.0_CM 1 & 2_190826_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

This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Omissions & Errors on documents shall not be valid and all codes and Laws must be complied with. Digitally signed by Alan Ho Reason: Reviewed for Code Compliance. Date: 2019.09.03 23:16:41 -07'00' Attachment 17 – TRANS-1 Permits

TRANS-1 Roadway Use Permits and Regulations

- 1. Transformer delivered on 9/4/19 9/6/19
 - City of Stanton #TPO-529
- 2. Coil Module delivered on 9/12/19 9/19/18
 - State of California
- 3. Steel Duct Section Unit 1 M2 delivered on 9/13/19 9/19/19
 - State of California -#e19-084379
- 4. Cooling fan delivered on 9/5/19 9/11/19
 - State of California -#e19-082581
- 5. Turbine Skid delivered on 9/18/19 9/20/19
 - Los Angeles County Dept. Public Works 358807
- 6. Generator Base delivered on 9/18/19 9/20/19
 - Los Angeles County Dept. Public Works 358805
- 7. Steel Duct Section Unit 1 M 3 delivered on 9/13/19 9/19/19
 - State of California -#e19-084380
- 8. Roof Skid delivered on 09/18/19 09/24/19
 - State of California -#e19-086874
- 9. Generator 1 delivered on 9/22/19 9/28/19
 - State of California -#e19-087429
- 10. Dust Module 16 delivered on 9/20/19 9/26/19
 - State of California -#e19-086918
- 11. Crated Machine Center delivered on 9/23/19 9/29/19
 - State of California -#e19-088377
- 12. Crated Machine Center delivered on 9/23/19 10/23/19
 - City of San Bernardino WL19-00666
- 13. Crated Machine Center delivered on 9/23/19 9/25/2019
 - City of Stanton TPO-550
- 14. Frame Module 09/24/19 09/26/19
 - City of Stanton TPO-553

TRANS-1 Roadway Use Permits and Regulations

- 15. Crated Machine Center delivered on 09/23/19 09/29/2019
 - State of California e19-088310
- 16. Crated Machine Center delivered on 9/23/19 10/23/2019
 - City of San Bernardino WL19-00667
- 17. Crated Machine Center delivered on 9/23/19 9/25/2019
 - City of Stanton TPO-551
- 18. Gas Monitoring Building delivered on 9/24/19 9/26/2019
 - City of Stanton TPO-555
- 19. Duct Module, Module M-4 delivered on 09/20/19 09/26/19
 - State of California 275352 CT

Attachment 18 – Safety Inspection Report



SERC – PSC MONTHLY SAFETY INSPECTION COMPLIANCE REPORT SEPTEMBER 2019

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 September 2019.

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 had no Safety Incidents or Injuries to report and/or that have been reported to the SERC-ARB Safety Department for this period. We have had a Safety Recognition Lunch this month to celebrate this milestone.

We have been processing a number of new Personnel for ARB and our Sub-Contractors through the SERC WEAP Orientation and SERC Site specific Safety training. Badges are no longer being issued due to the fact that our card reading connex has been removed from site. However, parking passes for all craft workers will continue for established parking at the Bethel Church off of Dale Street. Parking there has been good and the effort has been closely monitored and coordinated.

We have had discussions on Working Near/ Around Crane Operations, Inspections, Barricades & Barricading Systems and Man lift & Scissor Lift Operations as the topics in our all hands safety meetings for the month of September 2019. We have applied special emphasis on staying hydrated again and for the past couple of Months. We are also constantly emphasizing the use of spotters at all times especially around the overhead power lines due to the close proximity of these lines and the tightness of the project location. The triple 9 Maxim Crane has been erected and also the 880 crane and is now on the SERC Project site. We continue to stress to all our Personnel to stay focused, keep aware of your surrounding and do not get complacent.

There as been no near misses, no recordables or loss time Injuries to report for this month.

Tim Draper, ARB, Inc. Safety Manager, SERC Project Safety <u>tdraper@prim.com</u>

(949) 678-1643

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

EXTERNAL EMAIL

EMLCFM 00263B USAS 09/24/19 07:17:19 A190280441-11B RNEW NORM POLY LREQ Thank you for contacting Underground Service Alert of Southern California. This is an automatically generated confirmation of your DigAlert. For your safety please excavate carefully around the marked utility lines. For more information regarding DigAlert's web portals, mobile apps and text messaging, please visit www.digalert.org or text Services to DIGALT (344258).

This email comes from an automated program that is NOT MONITORED. DO NOT REPLY TO THIS EMAIL.

This is not a certified copy of the ticket.

Ticket: A190280441 Rev: 11B Created: 09/24/19 07:16 User: DIRECT Chan: WEB

Work Start: 09/24/19 07:16 Legal Start: 09/24/19 07:16 Expires: 10/22/19 23:59 Response required: N Priority: 2

Excavator Information Company: ARB, INC. Co Addr: 26000 COMMERCENTRE DRIVE : LAKE FOREST City State: CA Zip: 92630 Created By: NICHOLAS TASICH Language: ENGLISH Office Phone: 949-598-9242 SMS/Cell: Office Email: NTASICH@PRIM.COM Site Contact: RUBEL MARTINEZ Site Phone: 661-343-1481 Site SMS/Cell: Site Email: Excavation Area State: CA County: ORANGE Place: STANTON Zip: Location: Address/Street: 10711 DALE AVE

: X/ST1: MONROE AVE : : AREA BOUNDED E/BY DALE AVE, S/BY APPROX 305FT N/OF N/INTER OF

MONROE : AVE, W/BY APPROX 1397FT W/OF DALE AVE, N/BY APPROX 441FT N/OF N/INTER : OF MONROE AVE;

Delineated Method: WHITEPAINT Work Type: INSTALL UGRND UTIL, BRIDGE WORK, WALL WORK Work For : WELLHEAD ELECTRIC Permit: 16-AFC-01 Job/Work order: 1 Year: N Boring: Y Street/Sidewalk: Y Vacuum: Y Explosives: N Lat/Long Center Generated (NAD83): 33.807366/-117.989592 33.807418/-117.984107 : 33.806196/-117.989581 33.806248/-117.984096 Excavator Provided: 33.806648/-117.984594 33.807001/-117.984598

: 33.806951/-117.989093 33.806613/-117.989092

Map link:

https://newtin.digalert.org/newtinweb/map_tkt.nap?TRG=4Ax05r5xw4r4m1x-g

Comments:

RESENDUPDATE ONLY-WORK CONT PER NICK TASICH--[JLL 02/15/2019 10:37:32 AM] **RESEND**REQUEST REMARKS FROM ALL-WORK CONT W/SIDE TO APPROX 100FT W/OF THE

W/SIDE OF DALE AVE (TO FENCE LINE) FRM APPROX 305 N/OF THE N/INTER OF MONROE AVE N/TO APPROX 441FT N/OF MONROE AVE. PER NICK TASICH--[JLL 02/15/2019 10:38:02 AM] **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[WEBUBW 03/14/19 13:21] **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[WEBUBW 04/10/19 07:48] **RENEW TICKET** WORK CONTINUING PER JOSH KRAHL--[DIRECT 05/02/2019 08:52 AM] **RENEW TICKET** WORK CONTINUING PER THOMAS JIMENEZ--[DIRECT 05/20/2019 01:16 PM1 **RENEW TICKET** WORK CONTINUING PER THOMAS JIMENEZ--[DIRECT 06/12/2019 02:20 PM] **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[DIRECT 07/08/2019 07:50 AM] **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[DIRECT 08/01/2019 10:37 AM 1 **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[DIRECT 08/28/2019 10:40 AM] **RENEW TICKET** WORK CONTINUING PER JOSHUA KHAHL--[DIRECT 09/24/2019 07:16 AM] Members: ATTDSOUTH AT&T DISTRIBUTION - PHONE ATT DAMAGE PREVENTION HO 510-645-2929 GAR01 C/OF GARDEN GROVE-WATER LES RUITEMSCHILD 714-290-8986 714-290-8986 MWD05 METROPOLITAN WATER CONTROL ROOM 714-577-5011 SCG28T SC GAS BREA -TRANSMISSION SCG2XN SC GAS - GARDEN GROVE 714-634-3196 ADAM JUAREZ LEAD DISPATCHER - CHUCK 800-603-7060 SCW2M GOLDEN STATE WATER - GARDENA DAVID CATHCART 310-660-0320 SO CAL WATER (GOLDEN ST WTR) GILBERT ESTRADA SCW2P 562-547-7073xCELL UCHTRW C5 UTIL/SPECTRUM GG - CATV SPECTRUM DAMAGE ONLY 844-780-6054 USCE03 UTILIQUEST 4 SCE-NO OR COAST SC EDISON PERSONNEL 800-611-1911 USCETT84SE UTIL 4 SCE TRNS TELEC-FIB TCC 800-655-8844 (c) Copyright 2017 Underground Service Alert of Southern California. All rights reserved.

Note!: This email originated from outside our organization. Be cautious when opening Links and Attachments that you were not expecting.

EXTERNAL EMAIL

EMLCFM 02283B USAS 09/10/19 14:56:23 A190280541-10B RNEW NORM POLY LREQ

Thank you for contacting Underground Service Alert of Southern California. This is an automatically generated confirmation of your DigAlert.

For your safety please excavate carefully around the marked utility lines.

For more information regarding DigAlert's web portals, mobile apps and text messaging, please visit www.digalert.org or text Services to DIGALT (344258).

This email comes from an automated program that is NOT MONITORED. DO NOT REPLY TO THIS EMAIL.

This is not a certified copy of the ticket.

Ticket: A190280541 Rev: 10B Created: 09/10/19 14:55 User: DIRECT Chan: WEB

Work Start: 09/10/19 14:55 Legal Start: 09/10/19 14:55 Expires: 10/08/19 23:59 Response required: N Priority: 2

Excavator Information Company: ARB, INC Co Addr: 26000 COMMERCENTRE DRIVE City : LAKE FOREST State: CA Zip: 92630 Created By: NICK TASICH Language: ENGLISH Office Phone: 310-874-9612 SMS/Cell: 310-874-9612 Office Email: NTASICH@PRIM.COM

Site Contact: RUBEL MARTINEZ Site Phone: 661-343-1481 Site SMS/Cell: Site Email:

Excavation Area State: CA County: ORANGE Place: STANTON Zip: Location: Address/Street: 10711 DALE AVE : X/ST1: STANDUSTRIAL ST : : IN REAR OF ADDRESS : ** CALL WITH ETA **

Delineated Method: WHITEPAINT Work Type: MACHINE EXCAVATION, AUGERING, DRILLING, HAND EXCAVATION Work For : WELLHEAD ELECTRIC Permit: 16-AFC-01 Job/Work order: 1 Year: N Boring: Y Street/Sidewalk: Y Vacuum: Y Explosives: N

Lat/Long Center Generated (NAD83): 33.808179/-117.985005 33.808186/-117.984017 : 33.806210/-117.984990 33.806217/-117.984002 Excavator Provided:

Map link: https://newtin.digalert.org/newtinweb/map tkt.nap?TRG=5Bz5BpCg1wzsuu5-i

Comments:

RESENDUPDATE ONLY-WORK CONT PER NICK TASICH--[WEBUBW 02/22/19 09:28] **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:14] **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:18] **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[WEBUBW 04/16/19 08:45] **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[DIRECT 05/07/2019 08:58 AM]

RENEW TICKET WORK CONTINUING PER NICK TASICH--[DIRECT 05/29/2019 07:57 AM] **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[DIRECT 06/24/2019 06:53 AM] **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[DIRECT 07/19/2019 07:55 AM] **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[DIRECT 08/15/2019 11:48 AM] **RENEW TICKET** WORK CONTINUING PER NICK TASICH--[DIRECT 09/10/2019 02:55 PM1 Members: ATTDSOUTH AT&T DISTRIBUTION - PHONE ATT DAMAGE PREVENTION HO 510-645-2929 GAR01 C/OF GARDEN GROVE-WATER LES RUITEMSCHILD 714-290-8986 MWD05 METROPOLITAN WATER SCG28T SC GAS BREA -TRANSMISSION MWD05 714-577-5011 CONTROL ROOM ADAM JUAREZ 714-634-3196 SCG2XN SC GAS - GARDEN GROVE LEAD DISPATCHER - CHUCK 800-603-7060 SCW2M GOLDEN STATE WATER - GARDENA DAVID CATHCART 310-660-0320 SCW2P SO CAL WATER (GOLDEN ST WTR) GILBERT ESTRADA 562-547-7073xCELL UCHTRW_C5 UTIL/SPECTRUM GG - CATV SPECTRUM DAMAGE ONLY 844-780-6054 UCHIRW_C5 UTIL/SPECTRUM GG - CATV SPECTRUM DAMAGE ONLY USCE03 UTILIQUEST 4 SCE-NO OR COAST SC EDISON PERSONNEL USCETT84SE UTIL 4 SCE TRNS TELEC-FIB TCC 800-611-1911 800-655-8844

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EXTERNAL EMAIL

EMLCFM 02281B USAS 09/10/19 14:56:19 A190280543-10B RNEW NORM POLY LREQ

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Ticket: A190280543 Rev: 10B Created: 09/10/19 14:55 User: DIRECT Chan: WEB

Work Start: 09/10/19 14:55 Legal Start: 09/10/19 14:55 Expires: 10/08/19 23:59 Response required: N Priority: 2

Excavator Information Company: BILL'S BACKHOE Co Addr: 13203 BARLIN AVE City : DOWNEY Created By: NICK TASICH Office Phone: 310-874-9612 Office Email: NTASICH@PRIM.COM Excavator Information State: CA Zip: 90242 Language: ENGLISH SMS/Cell: 310-874-9612

Site Contact: RUBEL MARTINEZ Site Phone: 661-343-1481 Site SMS/Cell: Site Email:

Excavation Area State: CA County: ORANGE Place: STANTON Zip: Location: Address/Street: 10711 DALE AVE : X/ST1: STANDUSTRIAL ST : : IN REAR OF ADDRESS : ** CALL WITH ETA **

Delineated Method: WHITEPAINT Work Type: MACHINE EXCAVATION, AUGERING, DRILLING, HAND EXCAVATION Work For : WELLHEAD ELECTRIC Permit: 16-AFC-01 Job/Work order: 1 Year: N Boring: Y Street/Sidewalk: Y Vacuum: Y Explosives: N

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Map link: https://newtin.digalert.org/newtinweb/map tkt.nap?TRG=DBApHfIk7q3qDbN-Q

Comments:

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EXTERNAL EMAIL

EMLCFM 02282B USAS 09/10/19 14:56:21 A190280551-10B RNEW NORM POLY LREQ

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Ticket: A190280551 Rev: 10B Created: 09/10/19 14:55 User: DIRECT Chan: WEB

Work Start: 09/10/19 14:55 Legal Start: 09/10/19 14:55 Expires: 10/08/19 23:59 Response required: N Priority: 2

Excavator Information Company: ORTIZ ENTERPRISE INC Co Addr: 6 CUSHING #200 : LAKE FOREST City State: CA Zip: 92618 Created By: NICK TASICH Language: ENGLISH SMS/Cell: 310-874-9612 Office Phone: 310-874-9612 Office Email: NTASICH@PRIM.COM

Site Contact: RUBEL MARTINEZ Site Phone: 661-343-1481 Site SMS/Cell: Site Email:

Excavation Area State: CA County: ORANGE Place: STANTON Zip: Location: Address/Street: 10711 DALE AVE : X/ST1: STANDUSTRIAL ST : IN REAR OF ADDRESS : ** CALL WITH ETA **

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Comments:

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Note!: This email originated from outside our organization. Be cautious when opening Links and Attachments that you were not expecting. 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.	All construction equipment vehicle tires shall be inspected and washed as necessary to be cleaned free of dirt prior to entering Dale Ave.	N/A
		 Additional gravel was added to the existing ramps at the tire washing/cleaning station 	
		 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.	
02	Noise Complaint	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 5 th to better understand his complaint.	
		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.	

Attachment 22 – MECH-1 CBO Inspection Approvals

	MADE: ^{SERC}	_16-AFC-01_4160V AU	X. TRANSFORMER FND_20	190911
DATE / TIME:	20190912	@ 0700 INSPECT	or: <u>Mary Lee Knol</u>	le
⊠ APPROVE □ DISAPPRO □ REINSPEC	OVED	JIRED	□AT RISK □PHASE PASS	
SIGNATURE	SEC_MATCH — NUTECTED — The support of the state of the	Date: 2019.09.14	DATE: 201	90912

COMMENTS:

Per plans and specs SF04-100, SF04104, SF00-000, S00-002, SF00-001, SF00-010, all within acceptable tolerances. Cleanliness, formwork, rebar and pre pour prep observed. No exceptions taken

OFFICES NATIONWIDE

N V 5

INSPECTION MADE: SERC_16-AFC-01_AUXILIARY EQUIPMENT FND_20190904				
DATE / TIME: _	20190904 @ 1	12:30 pm INSPECT	ror: Mary Lee Knolle)
⊠ APPROVEI □ DISAPPRO □ REINSPEC	VED	IRED	□AT RISK □PHASE PASS	
SIGNATURE:	LICE, JAANCAI - NOTECTION - - NOTECTION - - - NOTECTION - - - NOTECTION - - - NOTECTION - - - NOTECTION - - - NOTECTION - - - - NOTECTION - - - - - - - - - - - - - -	Date: 2019.09.04	DATE: 201909	904

COMMENTS:

Per Plans SF02-104, SF02-100, S00-001, S00-002, SF00-000, SF00-001, SF00-050, SF00-051

cleanliness, forms and rebar, spacing and clearances were within tolerances No exceptions taken

OFFICES NATIONWIDE

NV5

INSPECTION MADE: SERC_16-AFC-01_CTG LUBE OIL SKID PIERS_20190904 @ 1:30 INSPECTOR: _____ 20190904 DATE / TIME: **APPROVED**

> Digitally signed by Mary Lee Knolle

Date: 2019.09.05 11:16:30 -07'00'

AT RISK PHASE PASS

□ REINSPECTION REQUIRED

DATE: 20190904

COMMENTS:

SIGNATURE:

Per Plans; SF02-102, SF02-102-1, SF00-051 Checked forms, and rebar per details with all spacing and clearances with in tolerances. Cleanliness was addressed as well No exceptions taken

OFFICES NATIONWIDE

N V 5

INSPECTION MADE: SERC_16-AFC-01_FUEL GAS COALESCING FILTER SKID FND_20190904

@1:30 INSPECTOR: Mary Lee Knolle 20190904 DATE / TIME:

APPROVED □ REINSPECTION REQUIRED **AT RISK PHASE PASS**

SIGNATURE:



DATE: 20190904

COMMENTS:

Per Plans and detail SF02-111, SF02-100, S00-001, S00-002, SF00-000, SF00-001, SF00-050, SF00-051 All spacing and clearances were within tolerances. Cleanliness as well. Grounding installed No exceptions taken

OFFICES NATIONWIDE

NV

INSPECTION I	MADE: SERC	_16-AFC-01_PDM FND) PIERS_20190904	
DATE / TIME: _	20190904	@12:30 INSPECT(or: Mary Lee Knolle	
ĂAPPROVEI □ DISAPPRO □ REINSPEC	OVED	UIRED	□AT RISK □PHASE PASS	
SIGNATURE:	SEE, JAAPC 48 — DOPECTED — 1 The second se	Date: 2019.09.05	DATE: 20190904	

COMMENTS:

All spacing and clearances were within tolerances, Per plans and details; SF02-114-1, SF02-114, SF02-100, S00-001, S00-002, SF00-000, SF00-001, SF00-050, SF00-051 cleanliness and forms acceptable No exceptions taken

OFFICES NATIONWIDE

N V 5

INSPECTION	MADE: SERC_	16-AFC-01_SLAB ON	I GRADE CT UNIT #2_20190911	
DATE / TIME:	20190911	@1:30 INSPECT	or: Mary Knolle	
⊠ APPROVE □ DISAPPRO □ REINSPEC	OVED	lired	□AT RISK □PHASE PASS	
SIGNATURE	ISEC JARTER	Date: 2019.09.14	DATE: 20190	912

COMMENTS:

Checked for cleanliness and installed per plans C01-041, C01-080 all within acceptable tolerances. Observed pour.

No exceptions taken

OFFICES NATIONWIDE

NV5

End Report