



August 16, 2021

Connie Chen
Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Re: Monthly Report Summary #43 for the Mesa 500-kV Substation Project

Dear Ms. Chen,

This report summarizes the compliance monitoring activities that occurred during the period from **April 1 to 30, 2021**, for the Mesa 500-kilovolt (kV) Substation (Mesa Substation) Project in Los Angeles County, California. Compliance monitoring was performed to ensure that all project-related activities conducted by Southern California Edison (SCE) and their contractors comply with the requirements of the Final Environmental Impact Report for the Mesa Substation Project, as adopted by the California Public Utilities Commission (CPUC) on February 9, 2017.

The CPUC has issued the following Notices to Proceed (NTPs) for the Mesa Substation Project to SCE:

- NTP #1 (September 27, 2017) – Vegetation removal and grading, water line relocation, Operating Industries Incorporated well removal, and various line relocations (transmission, subtransmission, distribution, and telecommunications).
- NTP #2 (November 15, 2017) – Remaining construction components, including vegetation removal and grading, and the removal, replacement, relocation, modification, and/or construction of perimeter and retaining walls, Mechanical Electrical Equipment Rooms, operations and test and maintenance buildings, storm drains, lattice steel towers, various poles, underground trenches, concrete foundations, and associated components. Equipment modification at 29 satellite substations.

Onsite compliance monitoring by the WSP USA Inc. (WSP), formerly Ecology and Environment, Inc., compliance team during this reporting period focused on spot-checks of ongoing construction activities. Compliance Monitor Vince Semonsen visited the Mesa Substation construction sites on **April 7, 14, and 22**. Site inspection reports that summarize observed construction activities and compliance events and verify mitigation measures (MMs) and applicant proposed measures (APMs) were completed for the site visits. These reports are attached below (Attachment 1).

The CPUC did not issue a Non-compliance during the period from April 1 to 30, 2021. WSP prepared a memorandum prepared on February 12, 2021, that provided a summary of a stormwater visual monitoring activity that occurred on February 4, 2021, for the Mesa 500-kV Substation Project in Los Angeles County, California. Stormwater compliance monitoring was performed to ensure that all project-related activities conducted by SCE and their contractors comply with applicable permits and the compliance plan. SCE submitted responses to the memorandum to the CPUC/WSP. Responses to the memorandum

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are currently under review. Communication between the CPUC/WSP compliance team and SCE has been regular and effective; the correspondence pertained to and documented compliance events, upcoming compliance-related surveys and deliverables, and the construction schedule. Agency calls between the CPUC/WSP and SCE, along with daily schedule updates and automated database notifications from SCE, supplied additional compliance information and construction summaries. Furthermore, SCE's monthly compliance status report for April 2021 provided a compliance summary and included a description of construction activities from April 1 to 30, 2021, a detailed review of the construction schedule, a summary of compliance with Mesa Substation Project commitments (i.e., the MMs/APMs) for biological resources, cultural and paleontological resources, the Storm Water Pollution Prevention Plan (SWPPP), noise, and the Worker Environmental Awareness Program (WEAP), non-compliance issues and resolutions, and public complaints and notifications.

Compliance Incidents

During the April 2021 reporting period, SCE did not self-report any non-project or project-related incidents. Additionally, during the April 2021 reporting period, the CPUC Compliance Monitor did not report any compliance concerns.

WSP prepared a memorandum on February 12, 2021, that provided a summary of a stormwater visual monitoring activity that occurred on February 4, 2021, for the Mesa 500-kV Substation Project in Los Angeles County, California. Stormwater compliance monitoring was performed to ensure that all project-related activities conducted by SCE and their contractors are in compliance with the terms and conditions of the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002 as amended by Order No. 2010-0014-DWQ and Order No. 2012-0006-DWQ. SCE provided initial responses to the memorandum on March 18, 2021. On April 12, 2021, the CPUC/WSP completed review of SCE's responses and the memorandum was revised according to SCE's responses. In addition, the CPUC compliance team was evaluating the discovery of two potential non-compliance incidents in accordance with the Mesa Substation Project's Mitigation Monitoring, Compliance, and Reporting Program (MMCRP). SCE provided a follow-up response on April 21, 2021, and the CPUC/WSP subsequently responded on April 23, 2021, with additional site photograph documentation taken by the CPUC Compliance Monitor. As of April 30, 2021, the CPUC continues evaluating the discovery of two potential non-compliance incidents.

During the April 2021 reporting period, the CPUC did not issue a Non-Compliance.

Noise Compliance

No noise exceedances occurred during the April 2021 reporting period.

Spills

No spills were reported during the April 2021 reporting period.

Public Concerns

No public concerns were raised during April 2021.

Minor Project Changes

On February 2, 2021, SCE submitted a minor project change (MPC) Request 14 to the CPUC. On March 4, 2021, the CPUC/WSP submitted a request to SCE for additional information regarding MPC Request 14. On March 23, 2021, SCE responded to comments and provided CPUC/WSP a revised MPC Request 14. Additional clarification questions were submitted by the CPUC/WSP on April 12, 2021. On April 29, 2021, SCE submitted a revised MPC Request 14, which addressed remaining CPUC/WSP comments. As

of April 30, 2021, MPC Request 14 remains under review.

During April 2021, one request via email was approved:

- On April 26, 2021, SCE submitted Mesa Buffer Reduction Form 0047 and U.S. Fish and Wildlife (USFWS) correspondence approval to the CPUC. On April 26, 2021, the CPUC submitted concurrence to proceed with the temporary buffer reduction (as described in Buffer Reduction Request Form 0047), and with planned monitoring and contingencies (see Table 1).

Table 1: Email Approvals for April 2021.

Description	Approval Date
SCE is requesting approval for a temporary ground and vertical buffer reduction for a nesting California gnatcatcher. The scheduled work that would encroach the existing buffer would involve overhead work on transmission lines above the nest, and just or a few minutes each time over the course of a few days. The work is scheduled to begin during a scheduled line outage and needs to take place while the line is de-energized. SCE received approval of the temporary buffer reduction from USFWS on April 26, 2021, and afterward received CPUC concurrence.	April 26, 2021

Sincerely,

Silvia Yanez
Project Manager, Ecology and Environment, Inc.
cc:
Lori Rangel, SCE
Don Dow, SCE

ATTACHMENT 1

CPUC Site Inspection Reports

April 7, 14, and 22, 2021



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	April 7, 2021
Project Proponent:	Southern California Edison (SCE)	Report #:	VS163
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Sunny and mild with a slight breeze
WSP CM:	Silvia Yanez	Start/End time:	1100 to 1300
Project NTP(s):	Notice to Proceed (NTP)-1, NTP-2		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? <i>Except for the belly scappers.</i>	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		

Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Has wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?	X		
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

AREAS MONITORED (i.e., structure numbers, yards, or substations)

The Mesa Substation work, the Mesa Operations Building work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

While in route to the project site I contacted site representative about my estimated arrival time. I arrived at to the project site at 1100 and stopped at the construction trailers.

I met with the Phase 4 site representative at the Potrero Grande Drive entrance, and we walked through the 500-kilovolt (kV) substation work areas. Grounding wire installation work was underway that required shallow trenching (Photo 1). Work continued on trenching and installation of cable trays (Photo 2), with their eventual connection into the cable tray pumping station (Photo 3). Foundation work continued (Photo 4), and a crew was building and erecting a latticework tower at the eastern end of the Phase 4 work area (Photo 5).

According to the site representative, most of the Power Grade heavy equipment had been moved offsite since the majority of the earthwork was completed. The Mount Mesa stockpile is set to be relocated once the nesting bird activity was completed. The few pieces of equipment that remained parked onsite had adequate secondary containment present (Photo 6).

The eastern portion of the detention basin system that included the bioswale had lupines (*Lupinus* spp.) beginning to grow (Photo 7). The small triangular catch basin at the western edge of the project site remained full of sediment (Photo 8). No restoration work was completed on the existing best management practices (BMPs) at the head of the California Department of Transportation concrete-lined channel that runs outside of the southern edge of the project site.

A small crew was cleaning out the construction debris on top of the Market Place Drive soil stockpile (Photo 9). The rest of the stockpile had been hydroseeded (Photo 10).

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have been WEAP trained (MM BR-5).

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

Check on nest buffers and the BMP installation.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance onsite, environmental observations of note)

COMPLIANCE SUMMARY

Below please describe any non-compliance issues or new biological/cultural discoveries that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3, fill out and submit a separate Non-Compliance Report Form to the WSP Compliance Manager (CM). Inform the WSP CM of any non-compliance incidents.

- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.

- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.
- Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

Date	Non-compliance issue and resolution	Relevant Mitigation Measure	NC Report #

PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/07/21	Mesa Substation		Photo 1 – Installation of copper grounding wire. Photo facing south.




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/07/21	Mesa Substation		Photo 2 – Phase 4 cable tray installation. Photo facing north.
04/07/21	Mesa Substation		Photo 3 – Phase 4 work on the cable tray pumping station. Photo facing north.
04/07/21	Mesa Substation		Photo 4 – Foundation work within the Phase 4 area. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/07/21	Mesa Substation		<p>Photo 5 – Latticework tower being erected within the Phase 4 work area at the east end of the project site. Photo facing east.</p>
04/07/21	Mesa Substation		<p>Photo 6 – Secondary containment under heavy equipment.</p>
04/07/21	Mesa Substation		<p>Photo 7 – Vegetation growing in the detention basin. Photo facing north.</p>

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/07/21	Mesa Substation		Photo 8 – Sediment remained in the small triangular catch basin. Photo facing west.
04/07/21	Mesa Substation		Photo 9 – Cleanup of construction debris on top of the Market Place Drive soil stockpile. Photo facing south.
04/07/21	Mesa Substation		Photo 10 – The Market Place Drive soil stockpile was hydroseeded. Photo facing west.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	04/12/21

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	04/12/21



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	April 14, 2021
Project Proponent:	Southern California Edison (SCE)	Report #:	VS164
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Partly cloudy, cool, and breezy
WSP CM:	Silvia Yanez	Start/End time:	1130 to 1330
Project NTP(s):	Notice to Proceed (NTP)-1, NTP-2		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? <i>Except for the belly scappers.</i>	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		

Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Has wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?	X		
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

AREAS MONITORED (i.e., structure numbers, yards, or substations)

The Mesa Substation work, the Mesa Operations Building work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

I arrived onsite at 1130 and met with the two site representatives at the Potrero Grande Drive entrance for a brief tailboard. I walked through the Phase 4 portion of the construction site, escorted by the two site representatives. Work activity was

underway, including the installation of cable trays (Photo 1), the erection of the 500-kilovolt (kV) infrastructure (Photo 2), and additional foundation drilling (Photo 3).

Crews were nearing completion of the latticework tower, located at the eastern end of the Phase 4 work area (Photo 4). They had installed the raptor nesting exclusion balls in the tower. Parked equipment had the necessary secondary containment in place and crews had begun covering the equipment with bird netting (Photo 5). An older belly loader parked onsite had several drip pans underneath it, but I noted hydraulic fluid leaked onto the ground where no drip pans were present; I mentioned this to the site representatives. According to the avian biologist, the California gnatcatchers (*Poliophtila californica*) in the Environmentally Sensitive Area appeared to be incubating eggs in their nest.

Other work within the Phase 4 construction area included grounding wire installation (Photo 6), cable tray installation (Photo 7), and the ongoing foundation work for the transformers (Photo 8). Slurry work was completed in the trenches leading to the cable tray pumping station (Photo 9).

We drove to the southern boundary wall where all the best management practices (BMPs) appeared the same as the previous site visit, both on the Mount Mesa stockpile and along the v-ditch stretch outside of the fence.

No cleanup work was completed at the Market Place Drive stockpile but some construction materials, including asphalt and dry powdered concrete, remained (Photo 10).

Photo 11 shows an overview of the Phase 4 construction area from the Market Place Drive stockpile.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have been WEAP trained (MM BR-5).

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

Check on nesting bird buffers.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance onsite, environmental observations of note)

COMPLIANCE SUMMARY

Below please describe any non-compliance issues or new biological/cultural discoveries that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to the WSP Compliance Manager (CM). Inform the WSP CM of any non-compliance incidents.


- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.

- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.
- Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.



Date	Non-compliance issue and resolution	Relevant Mitigation Measure	NC Report #

PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:



REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/14/21	Mesa Substation		Photo 1 – Cable tray work continued. Photo facing east.




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/14/21	Mesa Substation		Photo 2 – Installation of the 500-kV infrastructure continued. Photo facing west.
04/14/21	Mesa Substation		Photo 3 – Drilling foundation holes continued. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/14/21	Mesa Substation		Photo 4 – Lattice work tower nearly completed near the Market Place Drive entrance. Photo facing east.
04/14/21	Mesa Substation		Photo 5 – Drip pans under the parked equipment and bird netting was installed. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/14/21	Mesa Substation		Photo 6 – Copper wire being installed for grounding purposes. Photo facing north.
04/14/21	Mesa Substation		Photo 7 – Cable tray installation. Photo facing north.
04/14/21	Mesa Substation		Photo 8 – Transformer foundation forms. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/14/21	Mesa Substation	 A photograph of a construction site. In the foreground, there are two parallel concrete channels filled with a grey slurry material, set within a larger concrete structure. The ground around the channels is dirt. In the background, there is a large industrial building with a grey roof and a complex structure of metal beams and pipes, likely part of a cable tray pumping station. Orange traffic cones and yellow caution tape are visible on the site.	Photo 9 – Slurry work near the cable tray pumping station. Photo facing west.
04/14/21	Mesa substation	 A photograph of a construction site. The foreground is dominated by a large, dark, irregular pile of soil or construction material. The ground is dirt and gravel. In the background, there is a grassy hillside under a blue sky with some clouds.	Photo 10 – Some remaining construction materials on top of the Market Place Drive soil stockpile. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/14/21	Mesa Substation		<p>Photo 11 – Overview of the Phase 4 work area from on top of the Market Place Drive soil stockpile. Photo facing northwest.</p>

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	04/19/21

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	04/19/21



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	April 22, 2021
Project Proponent:	Southern California Edison (SCE)	Report #:	VS165
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Overcast and cool with a light drizzle
WSP CM:	Silvia Yanez	Start/End time:	1030 to 1200
Project NTP(s):	Notice to Proceed (NTP)-1, NTP-2		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? <i>Except for the belly scappers.</i>	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		

Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Has wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?	X		
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

AREAS MONITORED (i.e., structure numbers, yards, or substations)

The Mesa Substation work, the Mesa Operations Building work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

I arrived at 1030 and met with the site representative at the Potrero Grande Drive entrance. The avian biologist was at the site, and we discussed the nesting bird activity within the project site. Most of the nesting bird activity was within the energized

substations and less in the 500-kilovolt (kV) substation work area. One drilling rig had a nest and with a buffer around it.

Crews strung wire from the newly erected latticework towers located near the construction trailers (Photo 1) and at the east end of the Phase 4 construction area (Photo 2). A house finch (*Haemorhous mexicanus*) built a nest in one of the arms of the towers near the construction trailers, causing a delay in wire-stringing activities.

I walked through the Phase 4 portion of the construction site, escorted by the site representative. There were 12 open foundation holes about 12 feet in depth, all with rebar cages installed (Photo 3).

Equipment was staged within the work area waiting to be erected, along with numerous rolls of wire (Photo 4). Work continued on cable tray trenches (Photo 5). The cable tray trench in Photo 5 was a double-wide cable tray heading for the Senior Mechanical Electrical Equipment Room Building. The foundations for the large 500-kV transformers were being formed and poured (Photo 6). Conduit installation was underway (Photo 7).

There was a small storm system predicted for the upcoming weekend, but it was not expected to bring much precipitation. The drain inlets throughout the Phase 4 area had all been cleaned and prepared for filtering rainwater runoff.

No work had been conducted outside the southern boundary wall to upgrade or restore the existing best management practices (BMPs) at the head of the California Department of Transportation concrete culvert.

Water trucks were minimizing dust within the project site and street sweepers were operating outside along the public roadways.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have been WEAP trained (MM BR-5).

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

Check on nesting bird buffers.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance onsite, environmental observations of note)

COMPLIANCE SUMMARY

Below please describe any non-compliance issues or new biological/cultural discoveries that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3, fill out and submit a separate Non-Compliance Report Form to the WSP Compliance Manager (CM). Inform the WSP CM of any non-compliance incidents.

- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when



Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.

- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.
- Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.



Date	Non-compliance issue and resolution	Relevant Mitigation Measure	NC Report #

PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:



REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/22/21	Mesa Substation	 A tall, silver lattice tower is being erected by a white crane mounted on a truck. The crane is positioned on a dirt area. In the background, there are other utility vehicles, trees, and a cloudy sky. The tower is the central focus, extending from the ground to the top of the frame.	Photo 1 – Wire stringing within the newly erected latticework towers. Photo facing north.
04/22/21	Mesa Substation	 A view of a 500-kV substation area. Several tall, silver lattice towers are visible. A white pickup truck is parked in the foreground. A large red truck with yellow equipment is also present. The ground is dirt, and there are yellow caution tapes. The sky is overcast.	Photo 2 – Wire pulling equipment within the 500-kV substation area. Photo facing east.


REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/22/21	Mesa Substation		Photo 3 – Drilling of foundation holes continued. Photo facing south.
04/22/21	Mesa Substation		Photo 4 – Equipment and materials staged, waiting to be installed. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/22/21	Mesa Substation		Photo 5 – Cable tray work continued. Photo facing west.
04/22/21	Mesa Substation		Photo 6 – Transformer foundation forms. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
04/22/21	Mesa Substation		Photo 7 – Conduit installation. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	04/27/21

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	04/27/21