



August 16, 2021

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

**Re: Monthly Report Summary #44 for the Mesa 500-kV Substation Project**

Dear Ms. Chen,

This report summarizes the compliance monitoring activities that occurred during the period from **May 1 to 31, 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 (Final EIR) 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 **May 6, 12, 19, and 28**. 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).

CPUC did not issue a Non-compliance during the period from May 1 to 31, 2021. A memorandum was prepared by WSP on February 12, 2021, which provided a summary of a stormwater visual monitoring activity that occurred on February 4, 2021, for the Mesa Substation Project. Stormwater compliance monitoring was performed to ensure that all project-related activities conducted by SCE and their contractors comply with applicable permits and compliance plans. In April 2021, SCE submitted responses to the memorandum to the CPUC/WSP. Responses to the memorandum along with a discovery

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of two potential non-compliance incidents noted in the revised memorandum are being evaluated by the CPUC. 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, provided additional compliance information and construction summaries. SCE's monthly compliance status report for May 2021 supplied a compliance summary and included a description of construction activities from May 1 to 31, 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 May 2021 reporting period, SCE did not self-report any non-project or project-related incidents. Additionally, during the May 2021 reporting period, the CPUC Compliance Monitor did not report any compliance concerns.

A memorandum prepared by WSP USA on February 12, 2021, 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. 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 May 31, 2021, the CPUC continues evaluating the discovery of two potential non-compliance incidents noted in the memorandum.

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

### **Noise Compliance**

No noise exceedances occurred during the May 2021 reporting period.

### **Spills**

No spills were reported during the May 2021 reporting period.

### **Public Concerns**

No public concerns were raised during May 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. On May 21, 2021, the CPUC approved MPC Request 14 with conditions (see Table 1).

**Table 1: Minor Project Change Approvals during May 2021.**

<b>Description</b>	<b>Approval Date</b>
MPC-14 included additional work areas not included in NTPR-2 to access 199 existing fiber splice cases on existing poles, manholes, or vaults to remove copper cables between satellite substations. The cable removal is necessary as it is currently idle because of other telecommunication installations as part of the Mesa Substation Project. Removal of the idle cable is required to avoid congestion and wind-loading issues if the cables were to stay in place. The work proposed under MPC-14 does not include ground disturbance and will not require additional permits that were not already identified as part of the Final EIR. The CPUC approved MPC Request 14 with conditions on May 21, 2021.	May 21, 2021

Sincerely,



Silvia Yanez  
Project Manager, Ecology and Environment, Inc.

cc:

Lori Rangel, SCE  
Don Dow, SCE

# ATTACHMENT 1

CPUC Site Inspection Reports

May 6, 12, 19, and 28, 2021



## Mesa 500-kV Substation Project CPUC Site Inspection Form

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	May 6, 2021
<b>Project Proponent:</b>	Southern California Edison (SCE)	<b>Report #:</b>	VS166
<b>Lead Agency:</b>	California Public Utilities Commission (CPUC)	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Connie Chen, Energy Division	<b>AM/PM Weather:</b>	Sunny, mild, and calm
<b>WSP CM:</b>	Silvia Yanez	<b>Start/End time:</b>	1130 to 1330
<b>Project NTP(s):</b>	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)

<b>Worker Environmental Awareness Program (WEAP) Training</b>	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		
<b>Erosion and Dust Control (Air and Water Quality)</b>	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		
<b>Equipment</b>	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		
<b>Work Areas</b>	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		
<b>Biology</b>	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	
<b>Cultural and Paleontological Resources</b>	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	
<b>Hazardous Materials</b>	Yes	No	N/A
Are hazardous materials that are stored or used onsite 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		
<b>Work Hours and Noise</b>	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 checked in at the construction trailers. On my way to the site I had sent a text message to the designated site representative but did not receive a response. I eventually met another site representative at the Potrero

Grande Drive entrance for a brief tailboard meeting before heading into the work area. At the construction trailers I spoke briefly with the SCE project manager. Photo 1 shows an overview of the project site from the construction trailers.

Most of the crews were working within the Phase 4 area. Crews were stringing wire and/or cable from the newly erected infrastructure (Photo 2) and installing more of the substation infrastructure (Photo 3). A drill rig was onsite excavating foundation holes (Photo 4); other crews were installing the rebar cages in the foundation holes prior to the concrete pour (Photos 5 and 6).

I spoke with several biological monitors and they indicated that the California gnatcatcher (*Polioptila californica californica*) chicks had recently fledged from the nest. The pair is expected to renest and lay another clutch. The open excavation holes were covered with plywood and/or plastic at night. The site representative indicated that the main contractor, Professional Electric, didn't want to cover the open holes that contained the rebar cages, but the biological monitors insisted on this requirement.

Work on the transformer foundations continued with all gas-powered generators sitting in plastic lined catch basins (Photo 7).

Sediment removal had begun in the small triangular catch basin (Photo 8). Issues arose with the catch basin elevations, so a survey crew was working at the site.

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

Water trucks were minimizing dust withing 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)

Inspect nest 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
05/06/21	Mesa Substation		<p>Photo 1 – Overview of the 500-kV substation work facing west from the construction trailers.</p>
05/06/21	Mesa Substation		<p>Photo 2 – Wire work within the 500-kV substation area. Photo facing south.</p>
05/06/21	Mesa Substation		<p>Photo 3 – Erecting the substation infrastructure. Photo facing north.</p>

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
05/06/21	Mesa Substation		Photo 4 – Foundation hole drilling continued. Photo facing west.
05/06/21	Mesa Substation		Photo 5 – Rebar cages installed in the foundation holes. Photo facing west.
05/06/21	Mesa Substation		Photo 6 – Crews installed rebar cages in the foundation holes. Photo facing north.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
05/06/21	Mesa Substation		Photo 7 – Transformer foundation forms with containment under the gas-powered generators. Photo facing northwest.
05/06/21	Mesa Substation		Photo 8 – Sediment removal in the triangular catch basin. Photo facing north.

<b>Completed by:</b>	Vince Semonsen
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	05/11/21
<b>Reviewed by:</b>	Jeff Root
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	05/12/21



## Mesa 500-kV Substation Project CPUC Site Inspection Form

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	May 12, 2021
<b>Project Proponent:</b>	Southern California Edison (SCE)	<b>Report #:</b>	VS167
<b>Lead Agency:</b>	California Public Utilities Commission (CPUC)	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Connie Chen, Energy Division	<b>AM/PM Weather:</b>	Sunny, warm, and calm
<b>WSP CM:</b>	Silvia Yanez	<b>Start/End time:</b>	1100 to 1200
<b>Project NTP(s):</b>	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)

<b>Worker Environmental Awareness Program (WEAP) Training</b>	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		
<b>Erosion and Dust Control (Air and Water Quality)</b>	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		
<b>Equipment</b>	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		
<b>Work Areas</b>	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		
<b>Biology</b>	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	
<b>Cultural and Paleontological Resources</b>	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	
<b>Hazardous Materials</b>	Yes	No	N/A
Are hazardous materials that are stored or used onsite 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		
<b>Work Hours and Noise</b>	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 1100 and stopped in at the construction trailers. I met with the site representatives at the Potrero Grande Drive project entrance for a brief tailboard meeting before beginning my site survey.

Work was concentrated within the Phase 4 portion of the project.

Crews continued to excavate for and install conduit and cable trenches throughout the construction site (Photos 1, 2, 3, and 4). Excess soil was being stockpiled onsite for eventual removal. The cable trenches had wooden escape ramps installed. The gas-powered generators being used around the various work sites were all contained in drip pans.

Drilling foundation holes continued, with the holes covered with plywood when not being worked on (Photo 5). Newly poured tower foundations were observed within the Phase 4 area (Photo 6)

Work on the transformer foundations continued with the gas-powered generators sitting in plastic lined catch basins (Photo 7).

Mourning doves (*Zenaida macroura*) and house finches (*Haemorhous mexicanus*) continued to search for nesting sites within the project site. A pair of mourning doves had settled in one of the dumpsters with necessary signage in place (Photo 8). The pair of California gnatcatchers (*Polioptila californica californica*) had re-nested in the Environmentally Sensitive Area.

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)

Inspect on nest 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 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**



<b>Date</b>	<b>Location</b>	<b>Photo</b>	<b>Description</b>
05/12/21	Mesa Substation		Photo 1 – Excess soil from conduit trench excavation. Photo facing southeast.
05/12/21	Mesa Substation		Photo 2 – Conduit installation around the 500-kV infrastructure. Photo facing south.




**REPRESENTATIVE SITE PHOTOGRAPHS**

<b>Date</b>	<b>Location</b>	<b>Photo</b>	<b>Description</b>
05/12/21	Mesa Substation		Photo 3 – Cable tray installation. Photo facing north.
05/12/21	Mesa Substation		Photo 4 – Cable tray installation with the gas-powered generators contained. Photo facing northeast.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
05/12/21	Mesa Substation		Photo 5 – Drilling for tower foundations. Photo facing southwest.
05/12/21	Mesa Substation		Photo 6 – Newly poured tower foundations. Photo facing northwest.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
05/12/21	Mesa Substation		Photo 7 – Ongoing transformer foundation installation work. Photo facing northwest.
05/12/21	Mesa Substation		Photo 8 – Mourning doves nesting in the dumpster with cones in place. Photo facing west.

<b>Completed by:</b>	Vince Semonsen
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	05/21/21

<b>Reviewed by:</b>	Jeff Root
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	05/21/21



## Mesa 500-kV Substation Project CPUC Site Inspection Form

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	May 19, 2021
<b>Project Proponent:</b>	Southern California Edison (SCE)	<b>Report #:</b>	VS168
<b>Lead Agency:</b>	California Public Utilities Commission (CPUC)	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Connie Chen, Energy Division	<b>AM/PM Weather:</b>	Overcast, mild, and calm
<b>WSP CM:</b>	Silvia Yanez	<b>Start/End time:</b>	1000 to 1130
<b>Project NTP(s):</b>	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)

<b>Worker Environmental Awareness Program (WEAP) Training</b>	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		
<b>Erosion and Dust Control (Air and Water Quality)</b>	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		
<b>Equipment</b>	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		
<b>Work Areas</b>	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		
<b>Biology</b>	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	
<b>Cultural and Paleontological Resources</b>	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	
<b>Hazardous Materials</b>	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		
<b>Work Hours and Noise</b>	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 1000. As I drove by the western portion of the site, I noted that no additional work had been completed on the small catch basin at the northwestern portion of the project.

I stopped at the construction trailers and met with the site representatives at the Potrero Grande Drive entrance for a tailboard meeting before beginning my site survey.

The excavation for foundations and cable trenches, along with the drilling for tower foundations, was generating excess soil that was stockpiled onsite (Photos 1 and 2). This soil was transported with a belly scraper and was regularly sprayed by the water truck. This soil would be transported offsite in the near future.

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

Trench cable work was underway (Photo 3). Other construction activities within the Phase 4 area included the excavation and pouring of infrastructure foundations (Photos 4); the crews continued to place climbing structures in the excavations if they were not covered overnight (Photo 5). Drilling foundation holes was ongoing (Photo 6), followed by installing rebar cages (Photo 7). A large crew continued to work on the transformer foundations (Photo 8). Wire pulling was being completed between the new infrastructure and the 220-kilovolt (kV) substation (Photo 9).

A new water monitoring well was being installed by Cascade at the southern boundary wall (Photo 10).

I inspected the best management practices (BMPs) on the soil stockpile outside of the southern boundary wall; they appeared adequate and in good condition (Photo 11).

I discussed the nesting birds with the onsite biologists who said that the California gnatcatchers (*Poliptila californica californica*) had laid another clutch of eggs 50 feet away from the existing nest. Mourning doves (*Zenaida macroura*) and house finches (*Haemorrhous mexicanus*) were attempting to nest in the substation infrastructure as well.

**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)

Inspect the nest 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
05/19/21	Mesa Substation		Photo 1 – Temporary stockpile of excess soil from conduit trench excavation. Photo facing west.
05/19/21	Mesa Substation		Photo 2 – The main excess soil stockpile near the southwestern portion of the Phase 4 area. Photo facing southwest.
05/19/21	Mesa Substation		Photo 3 – Cable tray installation. Photo facing west.





**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
05/19/21	Mesa Substation		Photo 4 – Infrastructure foundation work. Photo facing south.
05/19/21	Mesa Substation		Photo 5 – Foundation holes with climbing structures installed. Photo facing north.
05/19/21	Mesa Substation		Photo 6 – Drilling work for tower foundations. Photo facing northwest.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
05/19/21	Mesa Substation		Photo 7 – Installation of rebar cages in the newly drilled holes. Photo facing northwest.
05/19/21	Mesa Substation		Photo 8 – Transformer foundation work. Photo facing northwest.
05/19/21	Mesa Substation		Photo 9 – Wire pulling was underway. Photo facing north.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
05/19/21	Mesa Substation		Photo 10 – Water well monitoring station being installed near the southern boundary wall. Photo facing south.
05/19/21	Mesa Substation		Photo 11 – BMPs in and around the soil stockpile outside of the southern boundary wall. Photo facing east.

<b>Completed by:</b>	Vince Semonsen
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	05/24/21

<b>Reviewed by:</b>	Jeff Root
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	05/24/21



## Mesa 500-kV Substation Project CPUC Site Inspection Form

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	May 28, 2021
<b>Project Proponent:</b>	Southern California Edison (SCE)	<b>Report #:</b>	VS169
<b>Lead Agency:</b>	California Public Utilities Commission (CPUC)	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Connie Chen, Energy Division	<b>AM/PM Weather:</b>	Clear and warm with a breeze
<b>WSP CM:</b>	Silvia Yanez	<b>Start/End time:</b>	1100 to 1200
<b>Project NTP(s):</b>	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)

<b>Worker Environmental Awareness Program (WEAP) Training</b>	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		
<b>Erosion and Dust Control (Air and Water Quality)</b>	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		
<b>Equipment</b>	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		
<b>Work Areas</b>	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		
<b>Biology</b>	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	
<b>Cultural and Paleontological Resources</b>	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	
<b>Hazardous Materials</b>	Yes	No	N/A
Are hazardous materials that are stored or used onsite 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		
<b>Work Hours and Noise</b>	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 sent a text to the site representatives about my approximate arrival time. I arrived onsite at 1100 and found that most of the crews had already left because of the long weekend.

One crew was still onsite completing pouring concrete for transformer foundation (Photo 6). Cable tray work was completed since my last site visit (Photo 1), along with foundation installation (Photo 2). The site was in good condition with drip pans in place and excavations either covered or with climbing structures in place (Photos 3, 4, and 5). Substation infrastructure was being stockpiled onsite (Photo 7).

A water truck was watering the site prior to the long weekend; I spoke to the site representatives about making sure the water truck sprayed down the dustier portions of the site. Street sweepers were working on the public streets.

The biological monitors would be inspecting the site over the weekend to prevent birds from nesting in the construction equipment and the substation infrastructure.

Sediment removal was completed in the small triangular catch basin with equipment still parked in the basin. I asked that the site representatives ensure the equipment had secondary containment in place.

**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.

**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
05/28/21	Mesa Substation		Photo 1 – New cable tray trenches installed. Photo facing west.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
05/28/21	Mesa Substation		Photo 2 – Substation foundations were poured. Photo facing south.
05/28/21	Mesa Substation		Photo 3 – Covered excavations. Photo facing southwest.
05/28/21	Mesa Substation		Photo 4 – Covered foundation holes and shallow excavation with climbing structures. Photo facing southwest.



**REPRESENTATIVE SITE PHOTOGRAPHS**

<b>Date</b>	<b>Location</b>	<b>Photo</b>	<b>Description</b>
05/28/21	Mesa Substation		Photo 5 – Drip pans were in place under parked equipment. Photo facing south.
05/28/21	Mesa Substation		Photo 6 – Transformer foundation work. Photo facing west.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
05/28/21	Mesa Substation		Photo 7 – Substation infrastructure staged onsite. Photo facing south.

<b>Completed by:</b>	Vince Semonsen
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	05/30/21

<b>Reviewed by:</b>	Jeff Root
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	05/31/21