August 16, 2021

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

Re: Monthly Report Summary #45 for the Mesa 500-kV Substation Project

Dear Ms. Chen,

This report summarizes the compliance monitoring activities that occurred during the period from **June 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 **June 8, 16, 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).

A Non-compliance Level 1 was issued during the period from June 1 to 30. A memorandum was prepared by WSP in February 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 the compliance plans. In May 2021, the CPUC was evaluating the discovery of two potential non-compliance incidents noted in the revised memorandum. On June 8, 2021, the CPUC

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completed review of one of the potential non-compliance incidents and issued a Level 1 Non-Compliance in accordance with the Mesa Substation Project's Mitigation, Monitoring, Compliance, and Reporting Program's (MMCRP), Section 3.5.1. 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 June 2021 provided a compliance summary and included a description of construction activities from June 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 June 2021 reporting period, SCE did not self-report any non-project or project related incidents. Additionally, during the June 2021 reporting period, the CPUC Compliance Monitor did not report any compliance concerns.

WSP prepared a memorandum on February 12, 2021, that included a summary of stormwater visual monitoring activity that occurred on February 4, 2021, for the Mesa Substation Project. The 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 May 2021, the CPUC was evaluating a discovery of two potential non-compliance incidents that were noted in the revised (per SCE's responses) memorandum. On June 8, 2021, the CPUC completed review of one of the potential non-compliance incidents and issued a Level 1 Non-Compliance. The compliance incident is described below:

- On February 4, 2021, the CPUC Compliance Monitors observed that stormwater from a recent rain event was circumventing erosion and sediment control best management practices (BMPs) installed on the banks of the west basin on Markland Drive. This led to erosion of the soil at the base and accumulating in the basin. SCE's Inspection Report from November 17, 2020, and in subsequent reports indicated the need for BMP maintenance and that the contractor did not implement the necessary repairs and design changes within the 72-hour identification window. As a result, heavy sediment-laden water accumulated in the basin over time and was not draining within 96-hours (per the California Stormwater Quality Association BMP Fact Sheet for basins); therefore, a potential vector control issue was discovered post storm from January 6, 2021, to March 17, 2021. The CPUC determined this to be a Level 1 Non-Compliance incident and was out of compliance with **MM HY-1**: Stormwater Pollution Prevention Plan and **MM HY-3**: Construction Drainage Plan, the Construction General Permit and the Mesa 500-kV Substation Project Stormwater Pollution Prevention Plan.

Noise Compliance

No noise exceedances occurred during the June 2021 reporting period.

Spills

No spills were reported during the June 2021 reporting period.

Public Concerns

No public concerns were raised during June 2021.

Minor Project Changes

No Minor Project Changes occurred during the June 2021 reporting period.

Sincerely,

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

ATTACHMENT 1

CPUC Site Inspection Reports

June 8, 16, and 22, 2021

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	June 8, 2021
Project Proponent:	Southern California Edison (SCE)	**Report #:**	VS170
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Partly cloudy and mild with a slight breeze
WSP CM:	Silvia Yanez	**Start/End time:**	1100 to 1245
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? *Except for the belly scrappers.*	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 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		
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 1100 and met with the site representatives who provided a brief tailboard meeting before I entered the Phase 4 construction area.

Cable tray trenching continued throughout the 500-kilovolt (kV) work area (Photo 1).

Grounding wire trenches were being excavated and copper wires were installed (Photo 2). Climbing structures were placed in the trenches for wildlife.

Water trucks were spraying the access roads throughout the site with water. Workers were disassembling a large crane was for transport offsite.

Portions of the transformer foundations were being poured. Concrete washout was messy but was captured on plastic sheeting and cleaned up (Photos 3 and 4). Another transformer location had been excavated in preparation for forms, rebar, and concrete (Photo 5).

Parked equipment all had adequate secondary containment in place (Photo 6).

Excavation work was underway near the east side of the Senior Mechanical Electrical Equipment Room (MEER) building (Photo 7).

Sediment removal was being completed in the small triangular catch basin (Photo 8).

I inspected the detention basins, both of which had vegetation growing in them (Photo 9). A pair of ravens (*Corvus corax*) were nesting high in one of the towers near the detention basin; they did not appear disturbed by the construction activities.

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)

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
06/08/21	Mesa Substation		Photo 1 – New cable tray trenches. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
06/08/21	Mesa Substation		Photo 2 – Trenching and installation of copper grounding wire. Photo facing north.
06/08/21	Mesa Substation		Photo 3 – Concrete washout was messy but was contained by plastic sheeting. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
06/08/21	Mesa Substation		Photo 4 – Pouring transformer foundations. Photo facing west.
06/08/21	Mesa Substation		Photo 5 – Excavation for an additional transformer foundation. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
06/08/21	Mesa Substation		Photo 6 – Parked equipment with adequate secondary containment. Photo facing south.
06/08/21	Mesa Substation		Photo 7 – Excavation activities near the east side of the Senior MEER building. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
06/08/21	Mesa Substation		Photo 8 – Sediment removal from the small triangular catch basin. Photo facing northeast.
06/08/21	Mesa Substation		Photo 9 – Detention basins with vegetation growing inside. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	06/14/21

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	06/14/21

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	June 16, 2021
Project Proponent:	Southern California Edison (SCE)	**Report #:**	VS171
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Partly cloudy and hot with a slight breeze
WSP CM:	Silvia Yanez	**Start/End time:**	1230 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? *Except for the belly scrappers.*	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 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		
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 1230 and met with the site representatives. A brief tailboard meeting was held to discuss the ongoing construction activities. Biological monitors were onsite to observe mourning doves (*Zenaida macroura*) and house finches

(*Haemorhous mexicanus*) attempting to nest within the substation infrastructure. A pair of California gnatcatchers (*Polioptila californica californica*) were observed in the Environmentally Sensitive Area south of the project site attempting to nest for a third time.

Within the Phase 4 construction area, several crews were installing aboveground infrastructure (Photos 1 and 2).

A drill rig was excavating foundation holes (Photo 3) and crews were installing rebar cages in these holes (Photo 4).

Grounding wire installation was ongoing within the Phase 4 construction area (Photo 5).

A number of foundation pads were excavated, formed and poured (Photo 6).

Trenching work was underway near the transformer foundations and work continued on the additional foundations (Photo 7). The first of many transformers was moved into the 500-kilovolt (kV) substation and placed on its foundation (Photo 8). A second transformer was prepared to move into the new substation (Photo 9).

Water trucks were spraying the access roads through the site with water.

Sediment removal was being completed in the small triangular catchbasin (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)

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
06/16/21	Mesa Substation		Photo 1 – Infrastructure installation. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
06/16/21	Mesa Substation		Photo 2 – Infrastructure installation. Photo facing southwest.
06/16/21	Mesa Substation		Photo 3 – Ongoing foundation drilling. Photo facing northwest.
06/16/21	Mesa Substation		Photo 4 – Installation of rebar cages in the foundation holes. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
06/16/21	Mesa Substation		Photo 5 – Trenching and installation of copper grounding wire. Photo facing north.
06/16/21	Mesa Substation		Photo 6 – New foundation pads were excavated, framed, and poured. Photo facing north.
06/16/21	Mesa Substation		Photo 7 – Trenching work east of the transformer foundation. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
06/16/21	Mesa Substation		Photo 8 – The first transformer was placed in the new 500-kV substation. Photo facing west.
06/16/21	Mesa Substation		Photo 9 – A second transformer being prepared for transport to the 500-kV substation. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
06/16/21	Mesa Substation		Photo 10 – Sediment removal and upgrades to the small triangular catch basin. Photo facing north.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	06/21/21

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	06/22/21

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	June 22, 2021
Project Proponent:	Southern California Edison (SCE)	**Report #:**	VS172
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Clear and warm with a slight breeze
WSP CM:	Silvia Yanez	**Start/End time:**	1130 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? *Except for the belly scrappers.*	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 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		
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 one of the site representatives.

I walked through the Phase 4 construction area documenting the work activities. Electrical connection work was being completed within the substation infrastructure (Photo 1).

Concrete was being poured for additional foundations (Photo 2). The concrete pouring area appeared clean with the trucks washing out in the designated washout locations.

Drilling continued for foundation holes (Photo 3). Once the holes were drilled, they were covered with boards and soil, and if they had the rebar cages installed, they were covered with plastic and sealed with soil (Photo 4). Wire pulling was being completed in some areas.

Conduit installation was being underway around the new foundations (Photo 5).

Work continued on the transformer foundations (Photo 6). Four large transformers were delivered and installed while I was onsite (Photo 7). The site representative said each transformer weighed approximately 537,000 pounds.

Sediment removal and drainage channel construction was being completed within the small triangular catch basin. A water truck was onsite to provide dust control (Photos 8 and 9).

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)

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
06/22/21	Mesa Substation		Photo 1 – Electrical work within the new 500-kV substation.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
06/22/21	Mesa Substation		Photo 2 – Concrete pouring of infrastructure foundations. Photo facing west.
06/22/21	Mesa Substation		Photo 3 – Ongoing foundation drilling. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
06/22/21	Mesa Substation		Photo 4 – Foundation holes were covered with wood and/or plastic until they were poured. Photo facing south.
06/22/21	Mesa Substation		Photo 5 – Trenching and installation of conduit around the new foundations. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
06/22/21	Mesa Substation		Photo 6 – A new transformer foundation pad was ready for concrete. Photo facing west.
06/22/21	Mesa Substation		Photo 7 – Transformer installation within the new 500-kV substation. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
06/22/21	Mesa Substation		Photo 8 – Sediment removal and drainage channel construction by the small triangular catch basin, with a water truck onsite. Photo facing east.
06/22/21	Mesa Substation		Photo 9 – Sediment removal and upgrades to the small triangular catch basin. Photo facing north.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	06/23/21

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	06/25/21