



ecology and environment, inc.

Global Environmental Specialists

501 West Broadway, Suite 800
San Diego, California 92101
Tel: (619) 696-0578, Fax: (888) 645-4354

May 25, 2018

Lisa Orsaba
Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Re: Monthly Report Summary #7 for the Mesa 500-kV Substation Project

Dear Ms. Orsaba,

This report provides a summary of the compliance monitoring activities that occurred during the period from **April 1 to 30, 2018**, 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 (OII) 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 (MEERs), 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 Ecology and Environment, Inc. (E & E) 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 3, 11, 18, and 25, 2018. 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).

Overall, the Mesa Substation Project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program's (MMCRP) Compliance Plan. Communication between the CPUC/E & E compliance team and SCE has been regular and effective; the correspondence discussed and documented compliance events, upcoming compliance-related surveys and deliverables, and the construction schedule. Agency calls between the CPUC/E & E and SCE, along with daily schedule updates and database notifications, provided additional compliance information and construction

summaries. Furthermore, SCE's monthly compliance status report for April 2018 provided a compliance summary and included a description of construction activities from April 1 to 30, 2018, a detailed look-ahead construction schedule, a summary of compliance with Mesa Substation Project commitments (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 2018 reporting period, there was one compliance incident, as detailed below:

- On April 17, 2018, SCE informed the CPUC that their subcontractor Power Grade had submitted two Hazardous Materials Business Plans (HMBP) in October 2017 and March 2017 via the California Environmental Reporting System (CERS). In October 2017, Power Grade met the threshold requirements for storage of hazardous materials as outlined in MM HZ-1 (55 gallons or 200 cubic feet or 500 pounds). While Power Grade filed the HMBP via CERS, SCE failed to provide the receipt to the CPUC 15 days prior to storage of covered hazardous materials, as required by MM HZ-1. By not providing the receipt showing that the Los Angeles Certified Unified Program Agency received the HMBP, SCE was not in compliance with MM HZ-1.

Additionally, there was one minor spill self-reported by SCE that was dealt with in a timely manner.

Noise Compliance

Exceedances of the stipulated noise levels were recorded on April 2 and 7, 2018. SCE reported these exceedances to the CPUC, as required by the Noise Control Plan. Exceedances were due to equipment working in the immediate vicinity of the noise monitor.

Public Concerns

There were no public concerns during April 2018.

Minor Approvals

During April 2018, there were no email or Minor Project Change approvals.

Sincerely,



Jenny Vick
Project Manager, Ecology and Environment, Inc.

cc:
Lori Rangel, SCE
Don Dow, SCE

ATTACHMENT 1

CPUC Site Inspection Report
April 3, 11, 18, and 25, 2018



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	April 3, 2018
Project Proponent:	Southern California Edison	Report #:	VS020
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Lisa Orsaba, Energy Division	AM/PM Weather:	Overcast, cool, and calm
E & E CM:	Jenny Vick	Start/End Time:	0700 to 1130
Project NTP(s):	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 scrapers.</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)

Mesa Substation site, Kiewit water line installation, and Transmission Corridor work 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 0700 and saw Noreas avian biological monitor Wayne Woodroof in the construction area south of Highway 60 near Tower 2207. He was conducting a morning sweep of the area, as some portions of the old towers were scheduled to be removed (MM BR-1, APM-BIO-03, APM-BIO-04, APM-BIO-06, MM BR-2). A hummingbird nest was located in the willows near this area and had a nest buffer staked out around it.

I sent a text to the ULM Services, Inc., project coordinator Pete Lubich to let him know that I was onsite. I then headed into the Mesa Substation site. Water trucks were onsite for dust control on the access roads (APM AIR-01).

Crews were demolishing the old water line (Photo 1) and separating the concrete from the rebar and metal (Photo 2).

I observed horizontal directional drilling (HDD) work being conducted (Photo 3). One of the lines had been pulled and the pipe was capped (Photo 4).

The Mesa Substation site was still quite wet from the recent rains, and water remained in the retention basin (Photo 5) and had ponded in the new water line trench (Photo 6). The water in the retention basin was being used for dust control.

The main drain outlet at the western end of the Mesa Substation site had been capped, but water was collecting in the trench (Photo 7). I noted two issues at this location: (1) erosion of the slopes/trench walls; and (2) lack of an exit ramp for this trench (MM HY-1, MM BR-10).

Work at the western end of the Mesa Substation site included the demolition and removal of some of the old towers (Photo 8).

Extensive work was occurring at both the 16-kilovolt (kV) and 66-kV switchrack areas, with concrete pours being completed (Photos 9 and 10).

A crew was working on the southern perimeter wall. The crew was installing rebar and setting the concrete forms (Photo 11). Generators were contained and located on the inside of the new perimeter wall. Mud was being removed from the foundation trench and being deposited next to the offsite drainage channel. None of this mud was entering the channel.

All of the visqueen-lined rainwater runoff diversion system had been removed, with the exception of a small amount of plastic near the offsite drainage channel (Photo 12). If weather conditions continued to stay dry, the crews planned to finish installing the new underground rainwater drainage system (MM HY-3).

Large-scale earthwork continued within the southern portion of the Mesa Substation site with bull dozers, scrapers, and water trucks (Photo 13). Noreas biological monitor Bob Hutar was in the area spot-checking this work (MM BR-9).

Installation of the storm drain system was ongoing, with trenching and pipe installation extending toward the eastern end of the Mesa Substation site (Photo 14). The storm drain system will eventually connect to the drainage piping that brings offsite rainwater runoff into the site (Photo 15). The trenching needed escape ramps (MM BR-10). I spoke with ICF lead biological monitor Matt Daniele and ULM Services, Inc., project coordinator Pete Lubich about the ramps.

The MarketPlace HDD operation was ongoing during my site visit (Photo 16).

An excavator crew was operating in an area just south of the Existing Mesa Substation. This activity was being monitored by PaleoSolutions paleontological monitor Nathan Dickey (Photo 17). A pair of killdeer were exhibiting nesting behavior in this area. I notified ICF lead biological monitor Matt Daniele and he said they had been watching this pair.

A telecommunications crew was working near several towers where killdeer were nesting (Photo 18). Buffer stakes were in place and the birds did not seem alarmed by the nearby crews.

Work north of Potrero Grande Drive included a landscaping crew installing plants and a watering system in the HDD exit hole area (Photo 19). The HDD crew was onsite observing the drilling work on the second hole (Photo 20); the first pipe had already been pulled through and stabilized (Photo 21). Noreas avian biological monitor Wayne Woodroof was in the area watching a possible bush-tit nest. A crew was working on a lattice steel tower north of Potrero Grande Drive (Photo 22).

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 gone through the Worker Environmental Awareness Program (WEAP) training (MM BR-5).
See the mitigation measures (MMs) listed in the observed activities.

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

Escape ramps, bird surveys, and nesting buffers should be checked.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, 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 E & E Compliance Manager. Inform E & E 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
4/3/18	Mesa Substation		Photo 1 – Demolition of the old water line. Photo facing southwest
4/3/18	Mesa Substation		Photo 2 – Separation of the old water line materials.
4/3/18	Mesa Substation		Photo 3 – HDD operation. Photo facing west




REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/3/18	Mesa Substation		Photo 4 – HDD pipe pulled through and sealed.
4/3/18	Mesa Substation		Photo 5 – Water retention area near the west end of the Mesa Substation site. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/3/18	Mesa Substation		Photo 6 – Poned water over the partially backfilled water line drill site. Photo facing west.
4/3/18	Mesa Substation		Photo 7 – Connection point to the existing offsite drainage pipe.
4/3/18	Mesa Substation		Photo 8 – Old lattice steel towers being cut and transported off site.



REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/3/18	Mesa Substation		Photo 9 – 16-kV switchrack area. Photo facing north.
4/3/18	Mesa Substation		Photo 10 – 66-kV switchrack area. Photo facing northeast
4/3/18	Mesa Substation		Photo 11 – Work on the perimeter wall. Photo facing southeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/3/18	Mesa Substation		Photo 12 – Remnants of the plastic-lined channel transporting offsite storm water runoff through the Mesa Substation site.
4/3/18	Mesa Substation		Photo 13 – Earthwork. Photo facing east.
4/3/18	Mesa Substation		Photo 14 – Storm drain pipe installation. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/3/18	Mesa Substation	 A photograph showing a construction site for a storm drain. A concrete channel is being formed within a trench lined with black geomembrane. Large rocks are used for reinforcement on the sides of the channel. In the background, there are large concrete pipes and utility structures.	Photo 15 – Storm drain piping entering the site from east of the Mesa Substation site.
4/3/18	Mesa Substation	 A photograph of a Horizontal Directional Drilling (HDD) operation. A green HDD rig is positioned on a dirt area, with its long drill pipe extending into the ground. A black tarp is laid out on the ground in front of the rig. Power lines and utility poles are visible in the background.	Photo 16 – The Market Place HDD operation.
4/3/18	Mesa Substation	 A photograph showing an excavation site. A yellow excavator is working in a deep, wide trench. The ground is brown and appears to be recently excavated. In the background, there are power lines and the skeletal structure of a building under construction.	Photo 17 – Excavation activities just south of the Existing Mesa Substation. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/3/18	Mesa Substation	 A photograph showing a construction site at a substation. In the foreground, a white truck with 'ELLIOTT 40142' on its side is parked. Several workers in high-visibility vests are visible near a large metal tower structure. Power lines and other towers are visible in the background under a cloudy sky.	Photo 18 – SCE tower crews. Photo facing north.
4/3/18	Mesa Substation North of Potrero Grande Drive	 A wide-angle photograph of a large, flat, brown dirt area. A road with trees and a utility pole is visible on the left. A few workers are scattered across the dirt area, and a white line is marked on the ground.	Photo 19 – Landscape crew restoring the HDD water line exit hole location. Photo facing west
4/3/18	Mesa Substation North of Potrero Grande Drive	 A photograph showing a yellow excavator with its bucket raised, positioned next to a large black pipe. Two workers in safety gear are standing nearby. In the background, there are palm trees and a high-voltage power tower.	Photo 20 – HDD crew. Photo facing east

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/3/18	Mesa Substation North of Potrero Grande Drive		Photo 21 – Pipe pulled through the drilled hole; note the capped pipe and the silt fencing.
4/3/18	Mesa Substation North of Potrero Grande Drive		Photo 22 – Lattice steel tower work.



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	April 11, 2018
Project Proponent:	Southern California Edison	Report #:	VS021
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Lisa Orsaba, Energy Division	AM/PM Weather:	Clear, warm, and calm
E & E CM:	Jenny Vick	Start/End Time:	0730 to 1000
Project NTP(s):	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 scrapers.	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)

Mesa Substation site, Kiewit water line installation, and Transmission Corridor work 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 0730 and checked in with ULM Services, Inc., project coordinator Pete Lubich.

A crew was continuing demolition work of the old water line and had separated the materials (concrete, rebar, etc.) for transporting offsite (Photo 1).

The horizontal directional drilling (HDD) work was ongoing during my site visit (Photo 2). Noreas biological monitor Bob Huttar was onsite (MM BR-1, APM-BIO-03, APM-BIO-04, APM-BIO-06, MM BR-2).

The Mesa Substation site was finally drying out from the rain, so water trucks were providing dust control on the access roads (APM AIR-01). A bulldozer was mixing the last ponded water area with dry soil and was using the mixture to backfill the water line trench (Photo 3).

An excavator was working near the 66-kilovolt (kV) switchrack area just outside of a killdeer nest buffer (Photo 4). ICF biological monitor Matt Daniele was at the site setting the buffer stakes at 80 feet and watching the female on the nest. The nest was located on top of a gravel pile, as seen in the middle of the photo (MM BR-11). Matt Daniele assumed the chicks would be hatching soon; within days of hatching, killdeer chicks leave the nest.

Near the westernmost portion of the Mesa Substation site, several old lattice steel towers were being cut up and loaded onto trucks (Photo 5). Some earthwork was being conducted in this area, and water from the retention basin continued to be used to provide dust control throughout the site (Photo 6).

A crew continued to work on the southern perimeter wall and was installing rebar and setting the concrete forms (Photo 7).

Crews were continuing their work on installing the storm drain pipe. They had cut escape ramps into the trench walls and covered the pipe (Photos 8, 9, and 10). Short segments of pipe (Photo 10) that were open at both ends were not capped since animals would not be trapped inside (MM BR-10).

The ponded water below the new storm drain outlet was being pumped out into water trucks for use on site (Photo 11). Crews were planning to dry out the area in preparation for work (MM HY-3).

The equipment used for the HDD MarketPlace bore was out of service and being repaired (Photo 12).

A crew was using a small backhoe for earthwork in an area just south of the Existing Mesa Substation (Photo 13). Extensive work continued in the 16-kV and 66-kV switchrack areas (Photo 14).

A crew was working on removing one of the old steel lattice towers north of Potrero Grande Drive (Photo 15).

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 gone through the Worker Environmental Awareness Program (WEAP) training (MM BR-5).

See the mitigation measures (MMs) listed in the observed activities.

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

Escape ramps, bird surveys, and nesting buffers should be checked.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, 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 E & E Compliance Manager. Inform E & E 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
4/11/18	Mesa Substation		Photo 1 – Demolition of the old water line pipe with separation of materials. Photo facing southwest
4/11/18	Mesa Substation		Photo 2 – HDD operation. Photo facing west
4/11/18	Mesa Substation		Photo 3 – Backfilling the water line trench. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/11/18	Mesa Substation		Photo 4 – Trenching work taking place near a pair of killdeer nesting in the pile of gravel in the middle of the photo. Photo facing south.
4/11/18	Mesa Substation		Photo 5 – Old lattice steel towers being cut up and transported off site.
4/11/18	Mesa Substation		Photo 6 – Water retention area near the west end of the Mesa Substation site. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/11/18	Mesa Substation		Photo 7 – Work on the perimeter wall. Photo facing southwest.
4/11/18	Mesa Substation		Photo 8 – Storm drain pipe showing the new escape ramp. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/11/18	Mesa Substation		Photo 9 – Storm drain pipe. Photo facing north.
4/11/18	Mesa Substation		Photo 10 – Storm drain pipe. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/11/18	Mesa Substation		Photo 11 – Water is being pumped out of the storm drain outlet. Photo facing east.
4/11/18	Mesa Substation		Photo 12 – Market Place HDD work is temporarily discontinued for equipment repairs.
4/11/18	Mesa Substation		Photo 13 – Earthwork. Photo facing southwest.
4/11/18	Mesa Substation		Photo 14 – 66-kV switchrack work. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/11/18	Mesa Substation		Photo 15 – Removal of an old lattice steel tower within the Transmission Corridor north of Potrero Grande Drive.



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	April 18, 2018
Project Proponent:	Southern California Edison	Report #:	VS022
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Lisa Orsaba, Energy Division	AM/PM Weather:	Clear and cool with a slight breeze.
E & E CM:	Jenny Vick	Start/End Time:	0715 to 1100
Project NTP(s):	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 scrapers.</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)

Mesa Substation site, Kiewit water line installation, and Transmission Corridor work 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 0715 and checked in with ULM Services, Inc., project coordinator Pete Lubich. My first stop was the Transmission Corridor south of Highway 60 where Noreas avian biological monitor Wayne Woodroof was conducting a pre-construction sweep of the area (MM BR-1, APM-BIO-03, APM-BIO-04, APM-BIO-06, MM BR-2). The construction Plan of the Day (POD) had indicated that some of the old lattice steel towers may be removed. Wayne Woodroof said that the hummingbirds nesting in the willows near the lattice steel towers had fledged (MM BR-11).

Within the Mesa Substation site, materials that had been salvaged from the old water line were still being processed and transported off site (Photo 1). Other portions of the old water line were stockpiled near the southern border of the Mesa Substation site and were being broken apart by a large excavator (Photo 10).

An old lattice steel tower was being dismantled near the Potrero Grande Drive horizontal directional drilling (HDD) work area (Photo 2).

There was no drilling work taking place at the HDD area. I noted a slow oil leak dripping from the drill rig, and there was no catch basin underneath this piece of equipment. I reported the issue to ICF biological monitor Matt Daniele and ULM Services, Inc., project coordinator Pete Lubich (MM HY-1).

Trenching for the new storm water runoff drainage system was ongoing during my site visit (Photo 3). The killdeer chicks (noted during my prior week's visit) in a nest located near the trenching operation had fledged (killdeer chicks leave the nest within days of hatching); therefore, crews were working in the area. The chicks in the nest under the lattice steel tower also had hatched. Two killdeer chicks were seen in the detention basin area. Only some small puddles of water remained, and the chicks were foraging around this water. I spoke with ICF biological monitor Kristen Kleinfelter who was checking on the chicks in the detention basin. We both observed a Coopers hawk in the area just north of the Mesa Substation site. Noreas biological monitor Bob Huttar was also onsite.

The storm drain outlet located at the very western end of the Mesa Substation site needed an escape ramp (Photo 4). I mentioned this to ICF biological monitor Matt Daniele and ULM Services, Inc., project coordinator Pete Lubich. Matt Daniele indicated that some boards had been placed within the drain as an escape ramp, but I encouraged them to consider an excavated soil ramp (MM BR-10).

Above ground work was ongoing in the 16-kilovolt (kV) switchrack area (Photo 5), and foundation work was ongoing within the 66-kV switchrack area (Photo 6). A crew was working on the perimeter wall along the southern border of the Mesa Substation site and they appeared to be preparing for a concrete pour (Photo 7).

A welding crew was working on the steel pipe portion of the storm drain system (Photo 8). I asked the Power Grade safety lead Craig Pernot about the steel pipe and he said it is required where the storm drain system crosses over the water line. A crew was using an excavator to backfill the old water line trench (Photo 9).

I checked the HDD bore at the MarketPlace and it appeared to be going smoothly (Photo 11). The storm drain trench had been dug within the southeastern portion of the Mesa Substation site and escape ramps were in place (Photo 12). Crews were working within a portion of the Existing Mesa Substation to dismantle above ground equipment (Photo 13).

I walked the construction area north of Potrero Grande Drive, but no work was being conducted at the time of my visit (Photo 14).

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 gone through the Worker Environmental Awareness Program (WEAP) training (MM BR-5).
See the mitigation measures (MMs) listed in the observed activities.

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

Escape ramps, bird surveys, and nesting buffers should be checked.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, 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 E & E Compliance Manager. Inform E & E 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
4/18/18	Mesa Substation		Photo 1 – Demolished water line materials are being transported offsite. Photo facing southwest
4/18/18	Mesa Substation		Photo 2 – Old lattice steel tower being deconstructed. Photo facing west

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/18/18	Mesa Substation		Photo 3 – Trenching for the storm drain system. Photo facing east
4/18/18	Mesa Substation		Photo 4 – Storm drain pipe outlet, an escape ramp is needed.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/18/18	Mesa Substation		Photo 5 – 16-kV switchrack area.
4/18/18	Mesa Substation		Photo 6 – 66-kV switchrack area; foundation work is ongoing. Photo facing north.
4/18/18	Mesa Substation		Photo 7 – Work on the perimeter wall. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/18/18	Mesa Substation		Photo 8 – Steel pipe portion of the storm drain being installed. Photo facing south.
4/18/18	Mesa Substation		Photo 9 – Backfilling the old water line trench. Photo facing north.
4/18/18	Mesa Substation		Photo 10 – Crews using equipment to break up the old water line. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/18/18	Mesa Substation		Photo 11 – Market Place HDD work. Photo facing south.
4/18/18	Mesa Substation		Photo 12 – Storm drain pipe trench with escape ramps installed. Photo facing south.
4/18/18	Mesa Substation		Photo 13 – Dismantling towers in the Existing Mesa Substation. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/18/18	Mesa Substation		Photo 14 – Work north of Potrero Grande Drive. Photo facing southwest



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	April 25, 2018
Project Proponent:	Southern California Edison	Report #:	VS023
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Lisa Orsaba, Energy Division	AM/PM Weather:	Partly cloudy and cool with a slight breeze; clearing and warmer later in the day
E & E CM:	Jenny Vick	Start/End Time:	0730 to 1100
Project NTP(s):	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 scrapers.	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)

Mesa Substation site, Kiewit water line installation, and Transmission Corridor work 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 0730 and stopped at the Transmission Corridor south of Highway 60. Crews were onsite with a front loader conducting some earthwork around TS #2207 in preparation for the wire work (Photo 1). Noreas biological monitor Bob Huttar was onsite and conducted the preconstruction sweep (MM BR-1, APM-BIO-03, APM-BIO-04, APM-BIO-06, MM BR-2). I signed in on the Job Safety Analysis (JSA) and sent a text to ULM Services, Inc., project coordinator Pete Lubich to let him know I was onsite.

Upon entering the Mesa Substation site, I noted a crew rolling up some of the old wire and another crew dismantling an old lattice steel tower (Photo 2). Nearby was a stockpile of various old lattice steel towers to be cut up and transported offsite (Photo 3).

Water trucks were observed wetting down the access roads throughout the morning (MM HY-1).

As a general observation, with the onset of spring and warmer temperatures, there seems to be an increase in squirrel and lizard activity in and around the Mesa Substation site.

Work on Potrero Grande Drive horizontal directional drilling (HDD) bore #2 was ongoing, with the crew working on the mixing equipment (Photo 4). It was noted that the area under a nearby lattice steel tower was bermed and being used to hold the wet tailings from the drilling operation (Photo 5). The tailings looked fairly deep, and my concern was that this could act as a trap for small animals. I spoke with Power Grade foreman Willie Clark and ICF biological monitor Matt Daniele about the site and suggested surrounding the area with silt fence. Matt Daniele did not think the silt fencing would be effective as an exclusion fence because both squirrels and lizards could easily climb the fence. Willie Clark said he would talk to the contractor about transporting the tailings off site.

Installation of the storm drain continued at a number of locations throughout the Mesa Substation site (Photos 6, 7, 12, 16, and 17). Where the storm drain crosses the new water line, metal pipe was being placed around the storm drain (Photo 7).

I noted numerous weeds coming in at the Mesa Substation site, with some beginning to set seed (Photo 8). I asked ICF biological monitor Matt Daniele if there were plans to address the weeds. He said Noreas biological monitor Bob Huttar had noted the weeds and they were working on a removal plan for upcoming implementation.

One killdeer chick was seen in the detention basin, and a pair of hooded orioles was seen around the palm trees near the western end of the Mesa Substation site. I mentioned this to ICF biological monitor Matt Daniele and he said they were aware of the birds and were keeping track of their activities (MM BR-11).

No earthen escape ramp was installed in a small trench near the storm drain outlet connection point (Photo 9); however, several boards were placed in the trench for what appeared to be an escape ramp (Photo 10); however, the boards did not provide an adequate escape ramp and I mentioned my concerns to Power Grade foreman Willie Clark and ICF biological monitor Matt Daniele (MM BR-10).

Extensive construction activity was ongoing at both the 16-kilovolt (kV) switchrack (Photo 11) and the 66-kV switchrack areas (Photo 13).

Near the center of the Mesa Substation site, some square, shallow, straight-walled foundation holes had been dug. ICF biological monitor Matt Daniele and I discussed the escape ramps within these holes and agreed on the placement of wood ramps along the wall (Photo 14).

Large earthmoving equipment was being used to backfill the old water line trench (Photo 15).

The storm drain trench located toward the southeastern portion of the Mesa Substation site did not have enough earthen escape ramps (Photo 17). Several boards were placed in the trench, but they were too steep, too narrow, and did not reach completely outside of the trench. I spoke with Power Grade foreman Willie Clark about this and he said he would dig an escape ramp at the southern end of this trench.

The MarketPlace HDD bore was ongoing and appeared to be going well (Photos 18 and 19).

Work was being conducted east of MarketPlace Drive where crews were excavating some of the old tower foundations (Photo 20). Excess soil was being transported to the Mesa Substation site and used to backfill the old water line trench.

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 gone through the Worker Environmental Awareness Program (WEAP) training (MM BR-5).
See the mitigation measures (MMs) listed in the observed activities.

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

Escape ramps, bird surveys, and nesting buffers should be checked.

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

The use of wooden escape ramps should be approved by the CPUC monitor.

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 E & E Compliance Manager. Inform E & E 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
4/25/18	Mesa Substation		Photo 1 – Earthwork within the Transmission Corridor south of Highway 60.
4/25/18	Mesa Substation		Photo 2 – Rolling and removal of old wire and dismantling one of the old lattice steel towers. Photo facing west.
4/25/18	Mesa Substation		Photo 3 – Old towers stockpiled for removal offsite. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/25/18	Mesa Substation		Photo 4 – Work on Potrero Grande Drive HDD bore #2 continues. Photo facing west
4/25/18	Mesa Substation		Photo 5 – HDD mud and tailings were deposited in a bermed basin under a nearby tower.
4/25/18	Mesa Substation		Photo 6 – Installation of a storm drain pipe. Photo facing south.


REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/25/18	Mesa Substation		Photo 7 – Metal pipe being placed around the storm drain where it crosses the new water line. Photo facing east
4/25/18	Mesa Substation		Photo 8 – Slopes of the detention basin with a variety of weeds coming in. Photo facing west
4/25/18	Mesa Substation		Photo 9 – Small storm drain trench at the western end of the Mesa Substation site. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/25/18	Mesa Substation		Photo 10 – Inadequate escape ramp in the trench.
4/25/18	Mesa Substation		Photo 11 – 16-kV switchrack area. Photo facing north.
4/25/18	Mesa Substation		Photo 12 – Storm drain pipe trench just south of the 16-kV and 66-kV switchracks. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/25/18	Mesa Substation		Photo 13 – 66-kV switchrack area. Photo facing north.
4/25/18	Mesa Substation		Photo 14 – Shallow but straight-walled foundation excavation with a small wooden escape ramp.
4/25/18	Mesa Substation		Photo 15 – Backfilling the old water line trench. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
4/25/18	Mesa Substation		Photo 16 – Storm drain pipe work along the southern perimeter wall. Photo facing south
4/25/18	Mesa Substation		Photo 17 – Storm drain trench with an inadequate wooden escape ramp. Photo facing southwest
4/25/18	Mesa Substation		Photo 18 – Market Place HDD operation. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/25/18	Mesa Substation		Photo 19 – HDD equipment.
4/25/18	Mesa Substation, East of Market Place Drive		Photo 20 – Excavation of old tower foundations. Photo facing east.