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February 20, 2019

Andrew Barnsdale
Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Re: Monthly Report Summary #15 for the South Orange County Reliability Enhancement (SOCRE) Project

Dear Mr. Barnsdale:

This report provides a summary of the compliance monitoring activities that occurred during the period from **January 1 to 31, 2019**, for the South Orange County Reliability Enhancement (SOCRE) Project in Orange County, California. Compliance monitoring was performed four times between January 1 and 31, 2019, to ensure all project-related activities conducted by San Diego Gas and Electric (SDG&E) and their contractors were in compliance with the Final Environmental Impact Report (Final EIR) for the SOCRE Project, as adopted by the California Public Utilities Commission (CPUC) on December 15, 2016.

The CPUC has issued the following Notices to Proceed (NTPs) for the SOCRE Project to SDG&E:

- NTP #1 (October 13, 2017): Geotechnical investigation and hazardous materials abatement at the future San Juan Capistrano Substation.
- NTP #2 (December 18, 2017): Conduct site preparation activities and construction staging at the future San Juan Capistrano Substation.
- NTP #2 Addendum #1 (March 23, 2018): Modified alignment of the interior fence separating the upper and lower yards, removal of three de-energized 138-kilovolt (kV) rack structures, and associated hazardous materials abatement activities.
- NTP #3 (April 27, 2018): Rebuild and upgrade of the San Juan Capistrano Substation.
- NTP #4 (October 29, 2018): Transmission and Distribution Line Work.

The Ecology and Environment, Inc. (E & E) compliance monitoring team completed onsite compliance checks during this reporting period to verify compliance of ongoing site preparation and construction activities. The CPUC/E & E compliance monitoring team visited the San Juan Capistrano Substation site on January 4, 10, 23, and 29, 2019. E & E site inspection reports that summarize observed construction activities and compliance events, as applicable, and verify mitigation measures (MMs) and applicant proposed measures (APMs) were completed for the site visits. These reports are attached below (Attachment 1).

Project activities in January 2019 were covered under NTP #1, NTP #2, NTP #2 Addendum #1, and NTP #3. Construction activities authorized under NTP #4 had not yet commenced in January 2019. Construction activities during January 2019 took place within the San Juan Capistrano Substation site and included continuation of site preparation activities; inspections; overexcavation and recompaction; grading of the north slope; geotechnical borings; damp proofing and installing a subdrain at the south and west screen walls; pouring concrete for a walkway east of the former utility structure; relocating the street light on Camino Capistrano; constructing and pouring a brow ditch at the north and south screen walls; establishing power and grounding construction trailers; and constructing and backfilling the north, south, and west screen walls. In addition, SDG&E conducted routine inspection and maintenance activities between January 1 and 31, 2019. Inspection activities included weekly inspections of the substation boundary for cleanliness as well as weekly Stormwater Pollution Prevention Plan

(SWPPP) inspections to ensure there were no best management practice (BMP) deficiencies or potential non-compliance incidents. Rain events occurred January 5, 6, 11 to 17, and 31, 2019. Additional BMPs were installed during January 2019 due to these rain events. Additional BMPs implemented at the San Juan Capistrano Substation site include grading, installing rock bag check dams, installing straw wattles, applying soil cover to slopes, covering all concrete washouts and waste containers, stabilizing the site entrance with rock, reinforcing the site access road, and rescheduling construction activities as needed.

Project compliance during the January 2019 monitoring period was achieved through regular communication with and reporting by SDG&E. Communication between the CPUC/E & E compliance team and SDG&E has been regular and effective. SDG&E's monthly environmental compliance report for January 2019 provides a compliance summary and includes a description of construction activities, a look-ahead construction schedule, a monthly biological monitoring report, a summary of compliance with project commitments (MMs/APMs), a summary of non-compliance incidents and public complaints (as applicable), a record of SOCRE Project personnel that received safety and environmental awareness training during the reporting month, and a list of upcoming or pending minor project refinements and outstanding agency deliverables.

Overall, the SOCRE Project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program (MMCRP) based on adherence to applicable MMs and APMs and satisfaction of pre-construction requirements and conditions of approval for NTP #1, NTP #2, NTP #2 Addendum 1, NTP #3, and NTP #4.

Compliance Incidents

There were no compliance incidents during January 2019.

Public Concerns

No public complaints were received during January 2019.

Minor Approvals

There were no minor approvals during January 2019.

Sincerely,

Joseph Donaldson
CPUC Compliance Manager, Ecology and Environment, Inc.

cc: Katie Basinski, Environmental Project Manager, SDG&E

ATTACHMENT 1

CPUC Site Inspection Reports

January 4, 10, 23, and 29, 2019

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement Project	**Date:**	January 4, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS020
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology and Environment (E & E) Compliance Monitor
CPUC PM:	Andrew Barnsdale, Energy Division	**AM/PM Weather:**	Clear, cold and calm
CPUC CM (E & E):	Joe Donaldson	**Start/End time:**	0730 hrs – 0930 hrs
Project NTP(s):	NTP-1, NTP-2, NTP-2 Addendum 1, and NTP-3		

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)

Safety and Environmental Awareness Program (SEAP)	Yes	No	N/A
Is the SEAP 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 are 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?	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 exclusionary fencing or flagging in place to protect sensitive biological or cultural			X

resources?			
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 (coastal California gnatcatcher, least Bell's vireo, southwestern will flycatcher, rare plants) 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
Have 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	
Were any threatened or endangered species observed? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts on 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)

San Juan Capistrano Substation

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

I arrived at the San Juan Capistrano Substation site at 0730. The SDG&E Lead Environmental Inspector was sick today so I met with an SDG&E Environmental Coordinator who was filling in for the SDG&E Lead Environmental Inspector. Rain was predicted over the weekend so the SDG&E Environmental Coordinator and I discussed how to prepare the San Juan Capistrano Substation site ahead of the storm.

Suggested changes to the small catch basin (located in front of the outgoing culvert) had not been implemented (Photo 1). The SDG&E Environmental Coordinator and I discussed extending the green stormwater runoff pipe into the existing culvert so that "clean" runoff coming through the pipe would not stir up the mud in the small settling pond below the culvert. Another suggestion was to add some additional gravel bag check dams. These upgrades were discussed during prior site visits.

The construction of the wall around the former utility structure continued with water sealant being applied to the brick (Photo 2). The wall now extends along most of the western end of the San Juan Capistrano Substation site and will be quite tall (Photo 3).

Equipment, including a front loader and a small excavator, were working to backfill some of the conduit trenches (Photos 4 and 9). Wall work continues along the northern boundary with the addition of concrete via a pumper truck (Photo 5). Brick was still being added to the southern wall (Photo 8). The road base was laid down and trailers were now onsite in the area near the existing 138/12-kV substation (Photo 6). Once the construction trailers are set up, this area will be available for parking. The Construction Superintendent and I talked about installing BMPs prior to the rain event.

A small crew was working outside the San Juan Capistrano Substation site fencing along the public roadway to excavate a hole for the streetlight in order to relocate the streetlight from Camino Capistrano (Photo 10).

Before leaving the San Juan Capistrano Substation site, I talked with the SDG&E Environmental Coordinator and a Construction Foreman about upgrades to the small catch basin located below the existing 138/12-kV substation (Photo 7). I explained that if water filled this basin during a rain event, the water would flow through a staging area where materials are stored and a concrete washout station is located. I suggested expanding the size of the basin to capture the majority of the rainwater runoff. Both the SDG&E Environmental Coordinator and the Construction Foreman agreed and said it would be done before the end of the day. Later in the day, the SDG&E Environmental Coordinator sent photos of the enlarged basin and upgraded sediment control work (Photo 11). Based on the photo, it appears the drainpipe was extended and several check dams were added.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BIO-5. Report only on MMs pertinent to your observations today)

All project personnel have been through the environmental training and have hardhat stickers (MM HAZ-3, MM CUL-1). 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)

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

COMPLIANCE SUMMARY

Check all applicable boxes below to indicate new conditions or issues that have occurred since your last visit. Note this information on the monitoring datasheet and document with photographs.

☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc.

☐ Potential compliance incident(s) observed. Document incident(s) and potential for environmental resources to be impacted.

☐ New non-compliance issues reported by SDG&E monitors since your last visit. Describe issues and resolution under "compliance suggestions or additional observations" (above) and include SDG&E report identification number.

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

None.

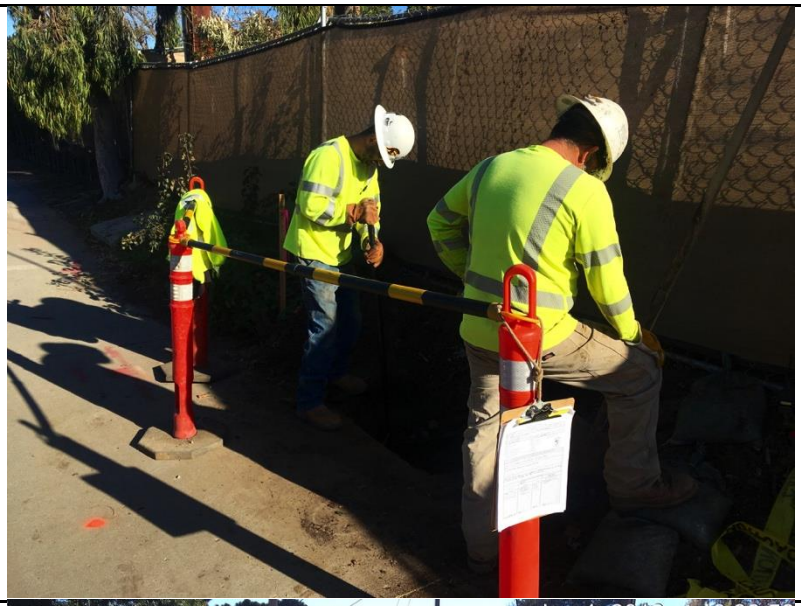
REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
1/4/19	San Juan Capistrano Substation		Photo 1 – Small catch basin in the southwestern corner of the San Juan Capistrano Substation site. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/4/19	San Juan Capistrano Substation		Photo 2 – Work on the western wall. Photo facing southwest.
1/4/19	San Juan Capistrano Substation		Photo 3 – Work on the western boundary wall and conduit. Photo facing southwest.
1/4/19	San Juan Capistrano Substation		Photo 4 – Backfilling around the conduit trenching. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/4/19	San Juan Capistrano Substation		Photo 5 – Preparing for concrete work on the northern boundary wall. Photo facing northwest.
1/4/19	San Juan Capistrano Substation		Photo 6 – New trailer and parking area near the existing 138/12-kV substation. Photo facing south.
1/4/19	San Juan Capistrano Substation		Photo 7 – Small rainwater catch basin within the San Juan Capistrano Substation site. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/4/19	San Juan Capistrano Substation		Photo 8 – Work on the southern boundary wall. Photo facing southwest.
1/4/19	San Juan Capistrano Substation		Photo 9 – Equipment backfilling around the conduit trench. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/4/19	San Juan Capistrano Substation		Photo 10 – Excavation of a new foundation hole for relocation of the street light from Camino Capistrano. Photo facing north.
1/4/19	San Juan Capistrano Substation		Photo 11 – Photo sent by the SDG&E Environmental Coordinator showing upgrades to the catch basin.

Completed by:	CPUC/E&E Compliance Monitor
Date:	1/11/19

Reviewed by:	Manager
Date:	01/11/19

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement Project	**Date:**	January 10, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS021
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology and Environment (E & E) Compliance Monitor
CPUC PM:	Andrew Barnsdale, Energy Division	**AM/PM Weather:**	Overcast, cool and calm
CPUC CM (E & E):	Joe Donaldson	**Start/End time:**	0730 hrs – 0930 hrs
Project NTP(s):	NTP-1, NTP-2, NTP-2 Addendum 1, and NTP-3		

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)

Safety and Environmental Awareness Program (SEAP)	Yes	No	N/A
Is the SEAP 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 are 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?	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 exclusionary fencing or flagging in place to protect sensitive biological or cultural			X

resources?			
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 (coastal California gnatcatcher, least Bell's vireo, southwestern will flycatcher, rare plants) 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
Have 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	
Were any threatened or endangered species observed? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts on 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)

San Juan Capistrano Substation

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. The SDG&E Lead Environmental Inspector was onsite along with an SDG&E Environmental Coordinator. The SDG&E Lead Environmental Inspector might be leaving the site later in the morning, so the SDG&E Environmental Coordinator will cover for the SDG&E Lead Environmental Inspector.

I observed areas of ponded water and mud on site. The SDG&E Lead Environmental Inspector said the site received almost half of an inch of rain over the weekend but there were no erosion or sediment problems. The revised BMPs within the outfall area were effective during the weekend rain event. The "clean" water from the San Juan Capistrano Substation site is now being diverted directly into the culvert and the gravel check dams, which is slowing the flow of water to the culvert and helping prevent erosion and sedimentation issues (Photo 1). The enlarged catch basin located between the existing 138/12-kV substation and the access road effectively captured rainwater runoff from the San Juan Capistrano Substation site and, according to the SDG&E Lead Environmental Inspector, the catch basin did not overflow over the weekend (Photo 8). More rain storms are predicted to come through the area, so additional BMP work is planned to occur before the weekend. Several loads of rock have been brought onto the site to stabilize the entry/exit of the access road (Photo 3). No new hydromulching is planned.

Backfilling work was being done at several locations. Crews were compacting dirt behind the new western boundary wall around the former utility structure (Photo 2) and along the southern boundary wall (Photo 4). The southern wall crew was also adding brick to the wall (Photo 5) and working on the new brow ditch along the outside of the wall (Photo 6). Trailer installation continues near the existing 138/12-kV substation (Photo 7).

Aerial photos of the site were being taken using a drone (Photo 10). Brick installation had been finished for a portion of the northern wall, with cleanup activities being carried out (Photo 9). Additional brick still needs to be added to the northern wall (Photo 11).

An excavator was shaving back soil from the bank below the northern wall; more soil will be removed when the wall is completed (Photo 12). A cultural monitor, paleontological monitor, and archaeological monitor were overseeing this excavation work. Work continues on the conduit and the western boundary wall (Photo 13).

The foundation has been poured for the relocation of the streetlight within the sidewalk outside of the San Juan Capistrano Substation site (Photo 14).

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BIO-5. Report only on MMs pertinent to your observations today)

All project personnel have been through the environmental training and have hardhat stickers (MM HAZ-3, MM CUL-1). 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)

Check Stormwater Pollution Prevention Plan (SWPPP) BMPs and sediment control with the upcoming storms.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site,

environmental observations of note)
None.

COMPLIANCE SUMMARY

Check all applicable boxes below to indicate new conditions or issues that have occurred since your last visit. Note this information on the monitoring datasheet and document with photographs.

☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc.

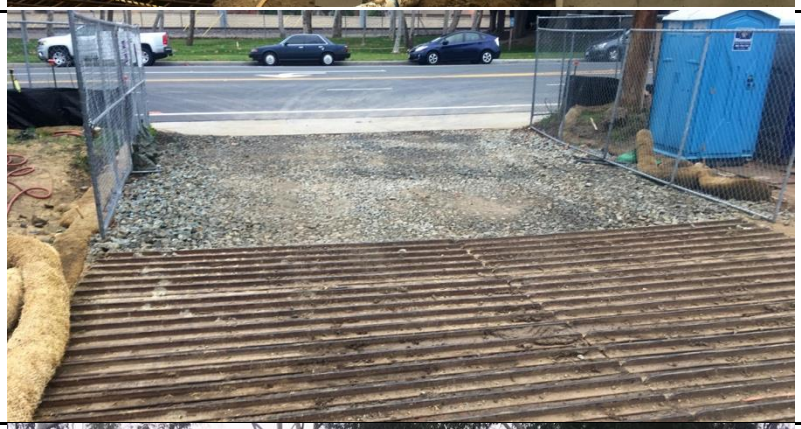
☐ Potential compliance incident(s) observed. Document incident(s) and potential for environmental resources to be impacted.

☐ New non-compliance issues reported by SDG&E monitors since your last visit. Describe issues and resolution under "compliance suggestions or additional observations" (above) and include SDG&E report identification number.

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

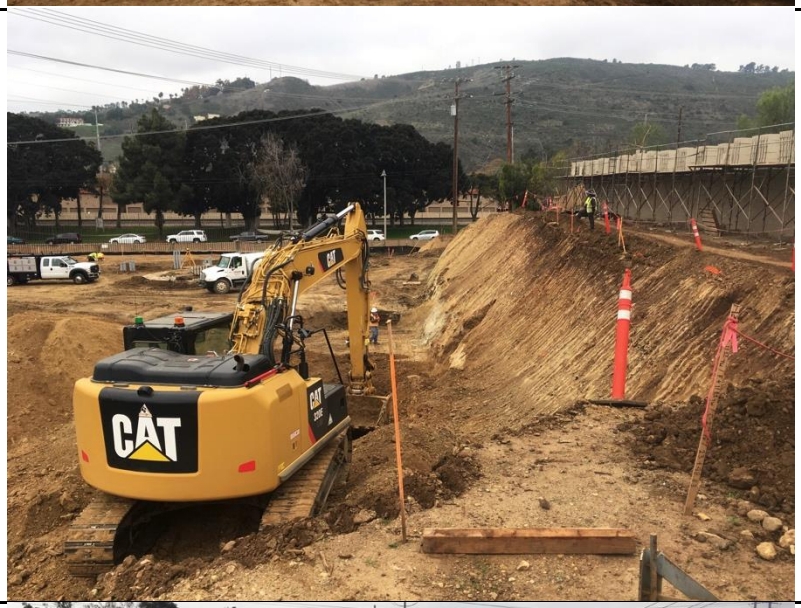
REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
1/10/19	San Juan Capistrano Substation		Photo 1 – Upgraded BMPs in the small catch basin. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/10/19	San Juan Capistrano Substation		Photo 2 – Backfilling behind the western wall of the former utility structure. Photo facing north.
1/10/19	San Juan Capistrano Substation		Photo 3 –Site access exit/entry area that needs additional rock for stabilization. Photo facing west.
1/10/19	San Juan Capistrano Substation		Photo 4 – Backfilling work around the southern boundary wall. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/10/19	San Juan Capistrano Substation		Photo 5 – Southern boundary wall work. Photo facing west.
1/10/19	San Juan Capistrano Substation		Photo 6 – Brow ditch work behind the southern boundary wall. Photo facing east.
1/10/19	San Juan Capistrano Substation		Photo 7 – Trailer installation. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/10/19	San Juan Capistrano Substation		Photo 8 – Expanded rainwater catch basin within the San Juan Capistrano Substation site. Photo facing west.
1/10/19	San Juan Capistrano Substation		Photo 9 – Work on the northern boundary wall. Photo facing north.
1/10/19	San Juan Capistrano Substation		Photo 10 – SDG&E representative taking aerial photos with a drone. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/10/19	San Juan Capistrano Substation		Photo 11 – Northern boundary wall. Photo facing northwest.
1/10/19	San Juan Capistrano Substation		Photo 12 – Excavation activities occurring below the northern boundary wall. Photo facing west.
1/10/19	San Juan Capistrano Substation		Photo 13 – Conduit and wall work around the former utility structure. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/10/19	San Juan Capistrano Substation		Photo 14 – New street light foundation for the streetlight relocation from Camino Capistrano. Photo facing south.

Completed by:	CPUC/E&E Compliance Monitor
Date:	1/15/19

Reviewed by:	Manager
Date:	1/15/19

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement Project	**Date:**	January 23, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS022
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology and Environment (E & E) Compliance Monitor
CPUC PM:	Andrew Barnsdale, Energy Division	**AM/PM Weather:**	Sunny, warm and breezy
CPUC CM (E & E):	Joe Donaldson	**Start/End time:**	1300 hrs – 1430 hrs
Project NTP(s):	NTP-1, NTP-2, NTP-2 Addendum 1, and NTP-3		

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)

Safety and Environmental Awareness Program (SEAP)	Yes	No	N/A
Is the SEAP 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 are 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?	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 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 (coastal California gnatcatcher, least Bell's vireo, southwestern will flycatcher, rare plants) 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
Have 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	
Were any threatened or endangered species observed? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts on 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)

San Juan Capistrano Substation

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

Construction activities were on hold from 1/14/19 to 1/18/19 due to rain events; approximately 3.5 inches of rain was received at the San Juan Capistrano Substation site during this time. The SDG&E Lead Environmental Inspector and a small group of construction contractors visited the site while construction activities were on hold and installed additional stormwater best management practices (BMPs). Additional gravel bags, straw wattles, and some Visqueen vapor barriers were added at several locations to slow the rainwater runoff and prevent erosion (Photos 1, 2, and 3). Two problem areas were identified:

(1) Collapse of a fill slope below the southern boundary wall (Photo 4). The cause needs to be evaluated and cleanup work needs to be completed in this area.
(2) A piece of equipment broke the pipe that transports rainwater runoff from the San Juan Capistrano Substation site to the outfall culvert (Photo 6). The extra water from this pipe filled the catch basin below the San Juan Capistrano Substation site, causing it to overflow (Photo 5). The pipe has been fixed.

Additional gravel bags were also added to the substation inlet culvert (Photo 8).

The construction trailers are in place and set up with office furniture and equipment. The SDG&E Lead Environmental Inspector showed me his office location. There is parking available around the trailers.

The brick installation has been completed for the northern boundary wall (Photo 9). The western end of the northern boundary wall, where the wall drops down to the public roadway, still needs to be constructed. This portion of the northern boundary wall will be constructed after some of the poles and wires crossing the site are relocated. The SDG&E Lead Environmental Inspector said the relocation work is scheduled to occur in early February 2019.

Some minor earthwork was occurring, but the scope of the earthwork did not require cultural/archaeological or other monitors (Photo 10).

Backfilling work was ongoing around the conduit piping and a crew was working on the western boundary wall (Photo 11). A small crew was working on the light pole relocation in the sidewalk along the public roadway (Photo 12). A rainwater catch basin near the northwestern corner of the San Juan Capistrano Substation site remains fairly full (Photo 13). The mortar mixing station has been moved to a location near the former utility structure (Photo 14).

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BIO-5. Report only on MMs pertinent to your observations today)

All project personnel have been through the environmental training and have hardhat stickers (MM HAZ-3, MM CUL-1). 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)

Check Stormwater Pollution Prevention Plan (SWPPP) BMPs and sediment control with the upcoming storms.

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

COMPLIANCE SUMMARY

Check all applicable boxes below to indicate new conditions or issues that have occurred since your last visit. Note this information on the monitoring datasheet and document with photographs.

☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc.

☐ Potential compliance incident(s) observed. Document incident(s) and potential for environmental resources to be impacted.

☐ New non-compliance issues reported by SDG&E monitors since your last visit. Describe issues and resolution under "compliance suggestions or additional observations" (above) and include SDG&E report identification number.

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

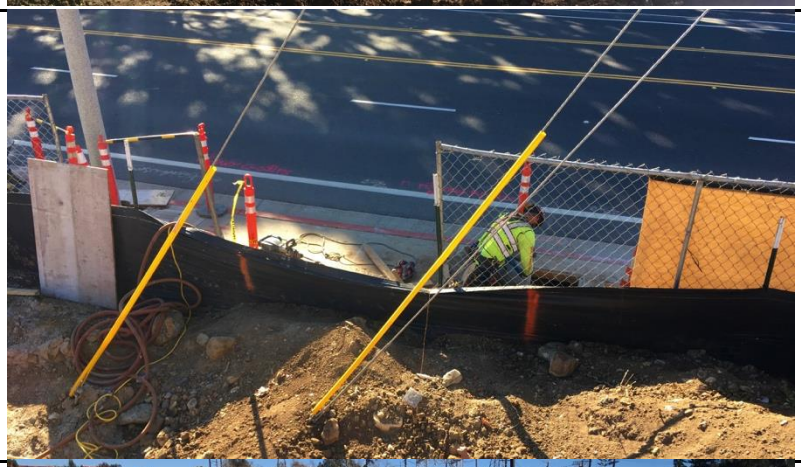
REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
1/23/19	San Juan Capistrano Substation		Photo 1 – Upgraded BMPs in this small catch basin that drains into a culvert. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/23/19	San Juan Capistrano Substation		Photo 2 – Gravel bags and Visqueen plastic barrier installed near the former utility structure. Photo facing north.
1/23/19	San Juan Capistrano Substation		Photo 3 – Sediment captured just east of the main access road. Photo facing west.
1/23/19	San Juan Capistrano Substation		Photo 4 – Fill slope below the southern boundary wall that collapsed during a rain event. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/23/19	San Juan Capistrano Substation		Photo 5 – Expanded rainwater catch basin within the San Juan Capistrano Substation site. Photo facing northeast.
1/23/19	San Juan Capistrano Substation		Photo 6 – Broken pipe above the catch basin. The pipe has been fixed.
1/23/19	San Juan Capistrano Substation		Photo 7 – Overview of the western portion of the San Juan Capistrano Substation site. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/23/19	San Juan Capistrano Substation		Photo 8 – BMPs added to the San Juan Capistrano Substation site drain inlet. Photo facing north.
1/23/19	San Juan Capistrano Substation		Photo 9 – Completed northern boundary wall. Photo facing west.
1/23/19	San Juan Capistrano Substation		Photo 10 – Ongoing earthwork. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/23/19	San Juan Capistrano Substation		Photo 11 – Conduit backfill work and western boundary wall installation. Photo facing southwest.
1/23/19	San Juan Capistrano Substation		Photo 12 – Light pole relocation work.
1/23/19	San Juan Capistrano Substation		Photo 13 – Rainwater catch basin located near the northwestern corner of the San Juan Capistrano Substation site. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/23/19	San Juan Capistrano Substation		Photo 14 – Mortar mixing station relocated near the former utility structure. Photo facing south.

Completed by:	CPUC/E&E Compliance Monitor
Date:	1/26/19

Reviewed by:	Manager
Date:	1/28/19

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement Project	**Date:**	January 29, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS023
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology and Environment (E & E) Compliance Monitor
CPUC PM:	Andrew Barnsdale, Energy Division	**AM/PM Weather:**	Sunny, warm and breezy
CPUC CM (E & E):	Joe Donaldson	**Start/End time:**	0745 hrs – 0930 hrs
Project NTP(s):	NTP-1, NTP-2, NTP-2 Addendum 1, and NTP-3		

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)

Safety and Environmental Awareness Program (SEAP)	Yes	No	N/A
Is the SEAP 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 are 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?	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 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 (coastal California gnatcatcher, least Bell's vireo, southwestern will flycatcher, rare plants) 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
Have 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	
Were any threatened or endangered species observed? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts on 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)

San Juan Capistrano Substation

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 0745. Another series of storms was predicted for later in the week. A number of best management practices (BMPs) require maintenance, including removal of captured sediment (Photo 1).

I talked to the SDG&E Lead Environmental Inspector about the ongoing construction activities and preparations for the upcoming rain events. The SDG&E Lead Environmental Inspector met with the construction foreman to discuss upcoming rain events. BMP work will occur throughout the site over the next day and a half. The SDG&E Lead Environmental Inspector sent a photo later in the day showing upgrades to the area (Photo 2).

Brick installation continued on the western boundary wall which was supported by the mortar mixing station (Photos 3 & 4). Some of the open conduit excavations still have some standing water in them (Photo 5).

Earthwork was occurring at several locations within the San Juan Capistrano Substation site. An excavator was cutting down the slope just inside of the northern boundary wall (Photo 6). Another photo sent by the SDG&E Lead Environmental Inspector shows that this portion of the San Juan Capistrano Substation site had been hydroseeded (Photo 7). There were no cultural/paleontological or other monitors onsite observing the earthwork. I spoke to the SDG&E Lead Environmental Inspector about the lack of monitors during earthwork; he explained that the monitors were onsite the day before and indicated that the ongoing work did not require monitoring.

A water truck was pumping rainwater out of the catch basin located near the northwest corner of the San Juan Capistrano Substation site (Photo 8). This water was being used onsite for compaction purposes. The construction crew has relocated the streetlight along Camino Capistrano and was sealing the old tower location (Photo 9).

Several dozers were leveling out a portion of the San Juan Capistrano Substation site (Photo 10) and the excavator was working on the slope below the existing 138/12-kV substation (Photo 11). The excavator also worked on upgrading the rainwater catch basin below the existing 138/12-kV substation.

Brickwork continued on the southern boundary wall (Photo 12). A bulldozer had reworked the slope below this wall to fix the erosion problem created from the last rain event. A hydroseed/mulch crew was starting to spray the slopes throughout the site (Photo 13). Hydroseed/mulching ahead of the upcoming rain event should give the hydromulch time to set up and dry.

Lastly, the SDG&E Lead Environmental Inspector said they will be relocating the port-a-potties that are near the San Juan Capistrano Substation site entrance since this is an area that floods (Photo 14).

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BIO-5. Report only on MMs pertinent to your observations today)

All project personnel have been through the environmental training and have hardhat stickers (MM HAZ-3, MM CUL-1). 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)

Check Stormwater Pollution Prevention Plan (SWPPP) BMPs and sediment control with the upcoming storms.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, environmental observations of note)
None.

COMPLIANCE SUMMARY
Check all applicable boxes below to indicate new conditions or issues that have occurred since your last visit. Note this information on the monitoring datasheet and document with photographs.

☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc.

☐ Potential compliance incident(s) observed. Document incident(s) and potential for environmental resources to be impacted.

☐ New non-compliance issues reported by SDG&E monitors since your last visit. Describe issues and resolution under "compliance suggestions or additional observations" (above) and include SDG&E report identification number.

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/29/19	San Juan Capistrano Substation		Photo 1 – BMPs requiring upgrades.
1/29/19	San Juan Capistrano Substation		Photo 2 – Photo from SDG&E Lead Environmental Inspector showing upgraded BMPs at the area shown in photo 1. Photo facing north.
1/29/19	San Juan Capistrano Substation		Photo 3 – Mortar mixing station. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/29/19	San Juan Capistrano Substation		Photo 4 – Brick installation on the western boundary wall. Photo facing west.
1/29/19	San Juan Capistrano Substation		Photo 5 – Conduit trenches. Photo facing south.
1/29/19	San Juan Capistrano Substation		Photo 6 – Excavator cutting back the slope below the northern boundary wall. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/29/19	San Juan Capistrano Substation		Photo 7 – Photo sent by SDG&E Lead Environmental Inspector showing hydroseeding of the open soil area seen in photo 6. Photo facing west.
1/29/19	San Juan Capistrano Substation		Photo 8 – Rainwater catch basin near the northwest corner of the San Juan Capistrano Substation site. Photo facing northwest.
1/29/19	San Juan Capistrano Substation		Photo 9 – Light pole relocation work.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/29/19	San Juan Capistrano Substation		Photo 10 – Ongoing earthwork. Photo facing south.
1/29/19	San Juan Capistrano Substation		Photo 11 – Excavator working below the existing 138/12-kV substation. Photo facing south.
1/29/19	San Juan Capistrano Substation		Photo 12 – Southern boundary wall. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/29/19	San Juan Capistrano Substation		Photo 13 – Hydroseeding. Photo facing northeast.
1/29/19	San Juan Capistrano Substation		Photo 14 – Port-a-potties to be relocated. Photo facing south.

Completed by:	CPUC/E&E Compliance Monitor
Date:	2/5/19

Reviewed by:	Manager
Date:	2/5/19