ecology and environment, inc.
Global Environmental Specialists

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September 24, 2019

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

Re: Monthly Report Summary #22 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 **August 1 to 31, 2019**, for the South Orange County Reliability Enhancement (SOCRE) Project in Orange County, California. Compliance monitoring was performed four times between August 1 and 31, 2019, to ensure all project-related activities conducted by San Diego Gas and Electric (SDG&E) and its 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.
- NTP-5 (July 26, 2019): Installation of the 138-kV and 230-kV Eastern Getaways and Removal and Installation of 12-kV Distribution Lines.

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 August 7, 16, 22, and 27, 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 August 2019 were covered under NTP-1, NTP-2, NTP-2 Addendum 1, NTP-3, NTP-4, NTP-5, Minor Project Refinement (MPR) -1, MPR-1 Addendum 1, and MPR-3. Construction activities during August 2019 took place within and adjacent to the San Juan Capistrano Substation site and included continuation of site preparation activities; conducting inspections and surveys; backfilling and repaving the storm drain trench within Camino Capistrano; installation of storm drain pipes at the 138-kV gas-insulated substation (GIS) retaining wall; installation of storm drain pipes at the north modular wetland; installation of storm drain "A" pipe at the south access road; trenching, installation, and backfilling of the 12-kV power ducts; installation of the guy anchor stub

at the south slope; laying out and forming the 138-kV foundation; pouring the 138-kV trench pads; relocating the water meter and line on Camino Capistrano; installation of the laydown fence at Serra Park; installation of the Stormwater Pollution Prevention Plan (SWPPP) best management practices (BMPs) at Serra Park; excavating, forming, and pouring the 12-kV transformer pads; and excavating and installing the 138-kV tie line ducts at the north access road. In addition, SDG&E conducted routine inspection and maintenance activities between August 1 and 31, 2019. Inspection activities included weekly inspections of the San Juan Capistrano Substation boundary for cleanliness, as well as SWPPP inspections to ensure there were no BMP deficiencies or potential non-compliance incidents. No deficiencies in SWPPP BMPs were observed or documented during August 2019.

Project compliance during the August 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 August 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, NTP-4, NTP-5, MPR-1, MPR-1 Addendum 1, and MPR-3.

Compliance Incidents

There were no compliance incidents during August 2019.

Public Concerns

No public complaints were received during August 2019.

Minor Approvals

There were no minor approvals in August 2019.

Sincerely,

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

cc: Richard Quasarano, Environmental Project Manager, SDG&E

ATTACHMENT 1

CPUC Site Inspection Reports

August 7, 16, 22, and 27, 2019

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	**Date:**	August 7, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS044
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:**	Partly cloudy and warm with a slight breeze
CPUC CM (E & E):	Joe Donaldson	**Start/End Time:**	1115 to 1230
Project NTP(s):	Notice to Proceed (NTP) -1, NTP-2, NTP-2 Addendum 1, NTP-3, NTP-4, and NTP-5		

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 the San Juan Capistrano Substation at 1115. I met with the SDG&E Environmental Coordinator and the Biological Resources Monitor at the project site entrance. The SDG&E Environmental Coordinator mentioned a goldfinch nest was found in Serra Park, and they were setting up a nest buffer in preparation for underground trenching that would take place onsite the following week.

Storm drain work was occurring near the southern entrance to the project site (Photo 1). Trenching for the storm drain will continue to the east, after relocation of guy wire anchors (Photo 2). A new wooden pole was added for the shortened guy wires. The SDG&E Environmental Coordinator reported that both an Archaeological Resources Monitor and a Native American Monitor were onsite to observe this work. Nothing of significance was unearthed by the work.

Conduit work continued within the new switching rack area located north of the old utility building. The work included recent slurry backfill (Photo 3), trench shoring and conduit installation (Photo 4), and trenching activities (Photo 5). Excess soil was transported to the soil stockpile area near the construction trailers (Photo 11).

The modular wetland near the northern entrance appeared in the same condition as noted during the previous site visit (Photo 6). Aluminum shoring had been added at the storm drain vault location just east of the modular wetland. Delivery of the vault was still pending (Photo 7).

Construction activities within the 138-kilovolt (kV) gas-insulated substation (GIS) building pad continued with the installation of rebar (Photo 8). Storm drain pipe connection locations remained open at several locations within the new substation (Photo 9). Gas generators used near the building pass were well contained (Photo 10).

An overview of the 138-kV substation work from the viewpoint of the trailer pad is included in Photo 12.

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:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/07/19	San Juan Capistrano Substation		Photo 1 – Storm drain pipe near the southwestern corner of the project site. Photo facing east.
8/07/19	San Juan Capistrano Substation		Photo 2 – New pole installed and relocated guy wires. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/07/19	San Juan Capistrano Substation		Photo 3 – New, slurry in conduit pipe in the area just north of the former utility building. Photo facing west.
8/07/19	San Juan Capistrano Substation		Photo 4 – Conduit installation in the switching rack area. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/07/19	San Juan Capistrano Substation		Photo 5 – Conduit trench being excavated in the switching rack area. Photo facing west.
8/07/19	San Juan Capistrano Substation		Photo 6 – Storm drain pipe near the modular wetland. Photo facing west.
8/07/19	San Juan Capistrano Substation		Photo 7 – Storm drain vault location. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/07/19	San Juan Capistrano Substation		Photo 8 – Rebar installation within the new 138-kV substation. Photo facing east.
8/07/19	San Juan Capistrano Substation		Photo 9 – Storm drain piping within the 138-kV GIS building pad. Photo facing south.
8/07/19	San Juan Capistrano Substation		Photo 10 – Gas generator with adequate containment. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/07/19	San Juan Capistrano Substation		Photo 11 – Soil stockpile area. Photo facing northeast.
8/07/19	San Juan Capistrano Substation		Photo 12 – Overview of the 138-kV substation. Photo facing west.

Completed by:	CPUC/E&E Compliance Monitor
Date:	8/13/19

Reviewed by:	Manager
Date:	8/15/19

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	**Date:**	August 16, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS045
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology & 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 to 1000
Project NTP(s):	Notice to Proceed (NTP) -1, NTP-2, NTP-2 Addendum 1, NTP-3, NTP-4, and NTP-5		

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, Serra Park.

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 the San Juan Capistrano Substation at 0730.

Work had been completed on the roadway (Camino Capistrano) to relocate a water line entering the project in the far southwestern corner (Photo 1). Later in the morning, when crews could work in the street, they began backfilling and paving the road (Photo 2).

The SDG&E Environmental Coordinator and I walked the project site. Crews continued to stage material in the area just east of the former utility structure (Photo 3). The area around the switching rack needed dust control (Photo 4). I asked the SDG&E Environmental Coordinator to have the contractors spray the site with water at the end of the workday and in the morning before work begins. Conducting dust control on this schedule will pack down the dust and also minimize trackout.

Within the substation, parked equipment needed additional drip pans (Photo 5). In addition, a conduit trench was not covered and did not have a climbing structure/escape ramp (Photo 6). I discussed both issues with the SDG&E Environmental Coordinator.

A crew was onsite and building forms to pour vault boxes over the storm drain lines. The crew had built one form near the modular wetland (Photo 7) and had built another form along the drain line farther to the east (Photo 8). The crew will also build forms at vault locations within the 138-kilovolt (kV) gas-insulated substation (GIS) building pad (Photo 11).

Construction activities within the 138-kV GIS building pad continued with the installation of rebar and wooden forms (Photo 9). The SDG&E Environmental Coordinator reported that the entire foundation will be poured in early September and estimated that over 100 concrete trucks would enter the site in one day.

I walked through the staging area near the existing substation (Photo 10). The site was relatively clean, and hazardous materials were well contained.

The SDG&E Environmental Coordinator and I went to Serra Park to view the fenced staging area and the nest buffer. No work was taking place as we walked around the area. The goldfinch nest could not be seen, nor were any birds observed flying to the nest site (Photo 12). The park supports a wide variety of birds, including a newly fledged family of western bluebirds. Equipment parked in the area was well contained with plastic and drip pans (Photo 13).

I returned to the area with binoculars to check the status of the goldfinch nest. I was able to observe one of the adults flying to the nest and feeding chicks. I also watched a pair of hooded orioles flying to a palm tree and heard chicks calling as the adults flew into the tree. The tree is growing just over the fence from the paved access road on an adjacent property (Photo 14). Looking through the fence I saw a nest with oriole chicks. I notified the SDG&E Environmental Coordinator. He came to the site with the Environmental Resource Monitor. We discussed the need for a nest buffer for the hooded oriole nest. The SDG&E Environmental Coordinator expressed concern regarding nest surveys being conducted on private property.

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)

Verify the nest buffer for the hooded oriole nest.

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**
8/16/19	San Juan Capistrano Substation		Photo 1 – Relocated water line piping in the southwestern portion of the project site.
8/16/19	San Juan Capistrano Substation		Photo 2 – Backfilling the roadway following water line relocation work. Photo facing south.
8/16/19	San Juan Capistrano Substation		Photo 3 – Staging area east of the former utility structure. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/16/19	San Juan Capistrano Substation		Photo 4 – Switch rack area where dust control is an issue. Photo facing west.
8/16/19	San Juan Capistrano Substation		Photo 5 – Parked equipment with minimal drip containment.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/16/19	San Juan Capistrano Substation		Photo 6 – Conduit trench needing to be covered or have an escape ramp installed.
8/16/19	San Juan Capistrano Substation		Photo 7 – Storm drain vault construction near the modular wetland. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/16/19	San Juan Capistrano Substation		Photo 8 – Storm drain vault being constructed.
8/16/19	San Juan Capistrano Substation		Photo 9 – Rebar and concrete form installation within the 138-kV GIS building pad. Photo facing south.
8/16/19	San Juan Capistrano Substation		Photo 10 – Staging area and hazardous materials storage area near the existing substation. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/16/19	San Juan Capistrano Substation		Photo 11 – Storm drain vault construction within the 138-kV GIS building pad. Photo facing south.
8/16/19	San Juan Capistrano Substation – Serra Park		Photo 12 – Access road to the staging area and the goldfinch nest buffer in Serra Park. Photo facing east.
8/16/19	San Juan Capistrano Substation – Serra Park		Photo 13 – Staging area for the work in Serra Park. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/16/19	San Juan Capistrano Substation – Serra Park		Photo 14 – Palm tree with a hooded oriole nest adjacent to the south side of Serra Park. Photo facing south.

Completed by:	CPUC/E&E Compliance Monitor
Date:	8/19/19

Reviewed by:	Manager
Date:	8/20/19

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	**Date:**	August 22, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS046
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology & Environment (E & E) Compliance Monitor
CPUC PM:	Andrew Barnsdale, Energy Division	**AM/PM Weather:**	Sunny, mild temperatures, and breezy
CPUC CM (E & E):	Joe Donaldson	**Start/End Time:**	1115 to 1245
Project NTP(s):	Notice to Proceed (NTP) -1, NTP-2, NTP-2 Addendum 1, NTP-3, NTP-4, and NTP-5		

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, Serra Park.

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 the San Juan Capistrano Substation at 1115 and headed to Serra Park to observe the nesting birds. Looking through the fence along the access road I could see the hooded oriole nest and noted that the chicks had fledged. I also checked on the lesser goldfinch nest. Once I located the nest, I was able to observe it for nesting activity. No birds were seen. I edged closer to the nest until I discovered that the nest was somewhat damaged and there were no chicks. The chicks may have fledged, and the nest may have naturally degraded. However, it appeared as if the nest may have been damaged by a predator.

I noted some work activity was noted within the staging area at Serra Park (Photo 1).

One of the project Biological Resource Monitors arrived at Serra Park and I told him of my observations regarding the two nests. We discussed the upcoming work activities and a possible construction schedule.

At the substation construction area, I noted that the excavated area within Camino Capistrano had been paved (Photo 2).

I met with the SDG&E Environmental Coordinator and we walked the project site. I told him about the bird nests and he reported that they had scheduled their Avian Biologist for a site visit the next day to verify the status of the nesting activity.

Some of the storm drainage system remained open and waiting for manhole installation (Photo 3). During my site visit, there was no activity occurring in the switch rack area (Photo 4); however, there was some grading being conducted nearby for transformer foundations. The conduit trench near the switch rack area remained open without a climbing structure or escape ramp (Photo 5). I discussed this with the SDG&E Environmental Coordinator who said they check all open holes every morning for trapped animals.

Several vaults along the storm drain system had been poured and the forms were removed (Photos 6 & 7).

Work continued on the 138-kilovolt (kV) gas-insulated substation (GIS) building pad in preparation for a large concrete pour (Photo 8). The SDG&E Environmental Coordinator said that the pour had been pushed back to September 13, 2019, and he would relay updates if there was an additional change to that date. The pour is expected to begin at 0500 and finish around 2200. The SDG&E Environmental Coordinator reported that he would be onsite for the 0500 initiation of work.

Several storm drain vaults remained to be poured within the 138-kV GIS building pad (Photo 9). Excess soil was being stockpiled in an area just east of the 138-kV GIS building pad (Photo 10). The soil was sprayed with water to ensure there would be no dust issues.

An overview of the 138-kV GIS building pad is shown in Photo 11, and Photo 12 documents the continued use of straw wattles covered in plastic netting along the perimeter fence.

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)

Exchanging the straw wattles covered in plastic netting for straw wattles covered in burlap.

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**
8/22/19	San Juan Capistrano Substation – Serra Park		Photo 1 – Staging area in Serra Park. Photo facing west.
8/22/19	San Juan Capistrano Substation		Photo 2 – New roadway pavement on Camino Capistrano. Photo facing southwest.
8/22/19	San Juan Capistrano Substation		Photo 3 – Portion of the storm drain system remains open. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/22/19	San Juan Capistrano Substation		Photo 4 – Switch rack area. Photo facing southwest.
8/22/19	San Juan Capistrano Substation		Photo 5 – Conduit trench needing a cover or escape ramp.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/22/19	San Juan Capistrano Substation		Photo 6 – Storm drain manhole construction near the modular wetland. Photo facing west.
8/22/19	San Juan Capistrano Substation		Photo 7 – Storm drain vault construction.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/22/19	San Juan Capistrano Substation		Photo 8 – Rebar and concrete form installation within the 138-kV GIS building pad. Photo facing southwest.
8/22/19	San Juan Capistrano Substation		Photo 9 – Storm drain vaults to be poured. Photo facing south.
8/22/19	San Juan Capistrano Substation		Photo 10 – Soil stockpile area. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/22/19	San Juan Capistrano Substation		Photo 11 – Overview of the 138-kV GIS building pad. Photo facing west.
8/22/19	San Juan Capistrano Substation – Serra Park		Photo 12 – Straw wattles covered in plastic netting along the park boundary fencing.

Completed by:	CPUC/E&E Compliance Monitor
Date:	8/28/19

Reviewed by:	Manager
Date:	8/28/19

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	**Date:**	August 27, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS047
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology & Environment (E & E) Compliance Monitor
CPUC PM:	Andrew Barnsdale, Energy Division	**AM/PM Weather:**	Clear, warm, and calm
CPUC CM (E & E):	Joe Donaldson	**Start/End Time:**	1330 to 1500
Project NTP(s):	Notice to Proceed (NTP) -1, NTP-2, NTP-2 Addendum 1, NTP-3, NTP-4, and NTP-5		

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, Serra Park.

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 the San Juan Capistrano Substation at 1330. I went to Serra Park. There was no construction activity occurring, but the area had been surveyed and the underground trench had been laid out (Photo 1). In preparation for work on Calle Bonita, the public roadway along the south side of the project site, several "no parking" signs had been placed on the road.

A concrete truck was leaving the substation area after washing out in the designated washout bins (Photo 2). I spoke with the onsite Environmental Resources Monitor who indicated that the storm drain manhole foundations located within the 138-kilovolt (kV) gas-insulated substation (GIS) building pad had been poured (Photo 8).

A crew was working on the concrete forms in preparation for pouring the slabs for the transformers (Photo 3). This work was taking place in the area between the switch rack and the western retaining wall for the 138-kV GIS building.

The conduit trench remained open near the switch rack area (Photo 4).

The two storm drain manhole vaults in the northwestern portion of the project site have been backfilled and were being covered with plywood (Photos 5 & 6).

Rebar was being installed for the 138-kV GIS building pad in preparation for the big concrete pour (Photo 7), which is scheduled for September 13, 2019.

A storm drain trench was dug to connect the piping coming out of the 138-kV GIS building pad with the line running into the northern modular wetland (Photo 9). The construction foreman signaled his crew to put some boards in the trench to act as an escape ramp. I suggested that laying back the end of the trench would be a simpler way of complying with conditions concerning trapped animals. The foreman said this would be difficult to accomplish since they had stopped at a bend in the piping; however, for a straight trench, they would lay back the end of the trench.

The soil stockpile area continues to grow in size but is well watered to ensure there is minimal dust (Photo 10).

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)

Exchanging the straw wattles covered in plastic netting for burlap covered wattles.

COMPLIANCE SUMMARY

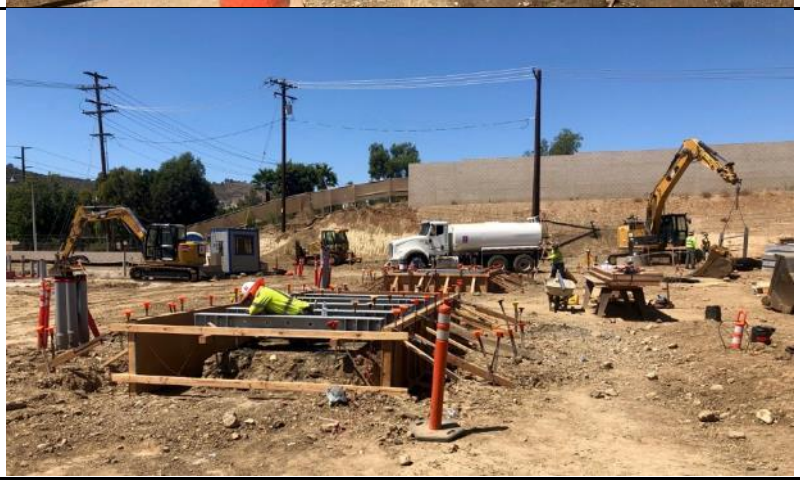
Check all applicable boxes below to indicate new conditions or issues that have occurred since your last visit. Note this information on the monitoring datasheet and document with photographs.

☐ 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.

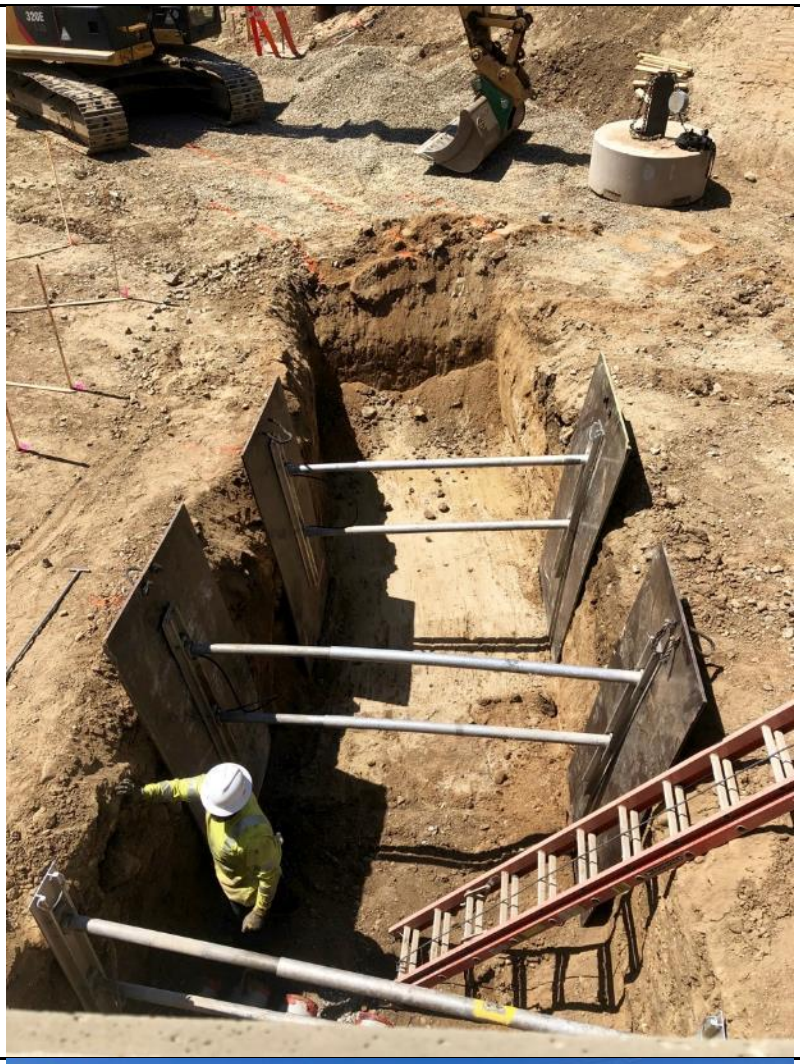
☐ New non-compliance issues reported by SDG&E monitors since your last visit. Describe issues and resolution under "compliance suggestions or additional observations" (above) and include SDG&E report identification number.

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/27/19	San Juan Capistrano Substation – Serra Park		Photo 1 – Survey work and painted trench line in Serra Park. Photo facing east.
8/27/19	San Juan Capistrano Substation		Photo 2 – Concrete washout basins. Photo facing north.
8/27/19	San Juan Capistrano Substation		Photo 3 – Preparation work on the transformer foundations. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/27/19	San Juan Capistrano Substation		Photo 4 – Conduit trench that still needs to be covered or have an escape ramp installed.
8/27/19	San Juan Capistrano Substation		Photo 5 – Storm drain manhole has been backfilled near the modular wetland. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/27/19	San Juan Capistrano Substation		Photo 6 – Storm drain vault construction. Photo facing east.
8/27/19	San Juan Capistrano Substation		Photo 7 Rebar and concrete form installation within the 138-kV GIS building pad. Photo facing northwest.
8/27/19	San Juan Capistrano Substation		Photo 8 – Storm drain vaults recently poured within the 138-kV GIS building pad. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/27/19	San Juan Capistrano Substation		Photo 9 – Trenching work for the storm drain system.
8/27/19	San Juan Capistrano Substation		Photo 10 – Soil stockpile area. Photo facing east.

Completed by:	CPUC/E&E Compliance Monitor
Date:	9/01/19

Reviewed by:	Manager
Date:	9/2/19