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Global Environmental Specialists

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September 12, 2019

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

**Re: Monthly Report Summary #21 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 **July 1 to 31, 2019**, for the South Orange County Reliability Enhancement (SOCRE) Project in Orange County, California. Compliance monitoring was performed four times between July 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 July 10, 18, 25, and 31, 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 July 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 July 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; constructing the 138-kV control shelter foundation; construction and pouring 138-kV control shelter cable trench; trenching and installation of 12-kV power ducts; excavating the 138-kV GIS pad, footings, and rat slab, and

pouring the 138-kV rat slab; installing grounds for 138-kV GIS enclosure foundation; backfilling the 138-kV GIS ground grid; laying out and forming the 138-kV foundation, and moving the San Juan Capistrano Substation site entrance to the south. In addition, SDG&E conducted routine inspection and maintenance activities between July 1 and 31, 2019. Inspection activities included weekly inspections of the San Juan Capistrano 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. No deficiencies in SWPPP BMPs were observed or documented during July 2019.

Project compliance during the July 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 July 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 July 2019.

## Public Concerns

No public complaints were received during July 2019.

## Minor Approvals

There were no minor approvals in July 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

July 10, 18, 25, and 31, 2019

# South Orange County Reliability Enhancement Project
# CPUC Site Inspection Form

| | | | |
|---|---|---|---|
| **Project:** | South Orange County Reliability Enhancement (SOCRE) Project | **Date:** | July 10, 2019 |
| **Project Proponent:** | San Diego Gas & Electric (SDG&E) | **Report #:** | VS040 |
| **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 and breezy with mild temperatures |
| **CPUC CM (E & E):** | Joe Donaldson | **Start/End Time:** | 1200 to 1300 |
| **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 site at 1200. I had contacted the SDG&E Environmental Coordinator earlier in the day about my plans to visit the site. The SDG&E Environmental Coordinator told me he would not be onsite, but an SDG&E representative acting as the Environmental Coordinator would be onsite.

Upon arrival, I noted that construction crews were continuing their work on the southern trench crossing within Camino Capistrano (Photo 1). Excess spoil from the roadwork was stockpiled near the former utility structure (Photo 2).

Some older straw wattles wrapped in plastic mesh were placed along the western construction fencing within the San Juan Capistrano Substation site for erosion control (Photo 3). As the straw degrades, the plastic mesh containing these older straw wattles could entrap lizards and snakes. I recommended that these older straw wattles be removed and discarded and then replaced with wattles contained in burlap.

The small modular wetland installed in the northwestern corner of the San Juan Capistrano Substation site had yet to be backfilled (Photo 4).

I met with the SDG&E representative acting as the Environmental Coordinator at the northern entrance. We looked over the 138-kilovolt (kV) gas insulated substation (GIS) building pad. According to the SDG&E representative, a new construction crew was onsite working on the 138-kV GIS building. The work included installation of the moisture barrier material and drainage piping (Photo 5), the first stages of building construction (Photo 6), and installation of the stormwater drainage pipe that will be connected to the modular wetlands (Photos 7 & 8).

A gas generator and a gas can were within the building pad; the gas can was within secondary containment (i.e., a drip pan); however, the generator was not within secondary containment (Photo 9). I spoke with the SDG&E representative about the need for secondary containment for all gas engines.

The conduit trenches by the northern boundary wall are open and wooden climbing structures have been placed within the excavations (Photo 10).

Excess spoil from building construction has been being stockpiled in the area southwest of the construction trailer pad (Photo 11). I spoke with the SDG&E representative about ongoing dust control efforts; the SDG&E representative said this has been a main focus during construction, given the proximity of the construction activities to residential homes just outside of the San Juan Capistrano Substation site to the north and east.

A large amount of conduit is being staged east of the former utility structure (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)

Use of burlap covered straw wattles is recommended for future erosion control work and use of secondary containment for all gas engines is recommended.

**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** |
| 7/10/19 | San Juan Capistrano Substation |  | Photo 1 – Work within Camino Capistrano. Photo facing west. |
| 7/10/19 | San Juan Capistrano Substation |  | Photo 2 – Spoil stockpiled west of the former utility structure. Photo facing north. |
| 7/10/19 | San Juan Capistrano Substation |  | Photo 3 – Old straw wattles wrapped in plastic mesh. |

| REPRESENTATIVE SITE PHOTOGRAPHS | | | |
|---|---|---|---|
| **Date** | **Location** | **Photo** | **Description** |
| 7/10/19 | San Juan Capistrano Substation |  | Photo 4 – The northern modular wetland. Photo facing west. |
| 7/10/19 | San Juan Capistrano Substation |  | Photo 5 – Moisture protection work continues. Photo facing west. |
| 7/10/19 | San Juan Capistrano Substation |  | Photo 6 – Building construction has begun. Photo facing southwest. |

| REPRESENTATIVE SITE PHOTOGRAPHS | | | |
|---|---|---|---|
| **Date** | **Location** | **Photo** | **Description** |
| 7/10/19 | San Juan Capistrano Substation |  | Photo 7 – Stormwater drainage pipe installation. Photo facing east. |
| 7/10/19 | San Juan Capistrano Substation |  | Photo 8 – Stormwater drainage pipe installation within the 138-kV gas insulated substation (GIS) building pad. Photo facing west. |
| 7/10/19 | San Juan Capistrano Substation |  | Photo 9 – Generator without secondary containment. |

| REPRESENTATIVE SITE PHOTOGRAPHS | | | |
|---|---|---|---|
| **Date** | **Location** | **Photo** | **Description** |
| 7/10/19 | San Juan Capistrano Substation |  | Photo 10 – Open conduit trench with a climbing structure in place. Photo facing west. |
| 7/10/19 | San Juan Capistrano Substation |  | Photo 11 – Spoil stockpile area. Photo facing west. |

| REPRESENTATIVE SITE PHOTOGRAPHS | | | |
|---|---|---|---|
| **Date** | **Location** | **Photo** | **Description** |
| 7/10/19 | San Juan Capistrano Substation |  | Photo 12 – Conduit staged onsite east of the former utility structure. Photo facing north. |

| | |
|---|---|
| **Completed by:** | CPUC/E&E Compliance Monitor |
| **Date:** | 07/16/19 |

| | |
|---|---|
| **Reviewed by:** | Manager |
| **Date:** | 07/17/19 |

# South Orange County Reliability Enhancement Project
# CPUC Site Inspection Form

| | | | |
|---|---|---|---|
| **Project:** | South Orange County Reliability Enhancement (SOCRE) Project | **Date:** | July 18, 2019 |
| **Project Proponent:** | San Diego Gas & Electric (SDG&E) | **Report #:** | VS041 |
| **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 0945 |
| **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 0730. I spoke with the SDG&E Environmental Coordinator earlier in the week about my plan to visit the San Juan Capistrano Substation site. The SDG&E Environmental Coordinator was not onsite on the day of my site visit, but an SDG&E representative acting as the SDG&E Environmental Coordinator was onsite. A new biological monitor was onsite and had just finished the Safety and Environmental Awareness Program (SEAP) training. I spoke with the biological monitor and the SDG&E representative about oversight and monitoring activities at the site.

There was no work occurring within Camino Capistrano today. Crews continued to backfill the northern modular wetland, which was nearly complete (Photo 1). A water truck crew had already watered most of the roads within the San Juan Capistrano Substation site to control dust. I spoke with the construction superintendent during my site visit.

The spoil that was stockpiled west of the former utility structure had been removed (Photo 2). The areas east and south of the former utility structure was being used to stockpile construction materials (Photo 3). The area north of the former utility structure was being surveyed for upcoming construction activities (Photo 4).

The temporary southern boundary fencing was lined with straw wattles contained in plastic mesh (Photo 5). As mentioned in the 07/10/2019 report, as the straw degrades and the plastic mesh covering becomes exposed, lizards and snakes can become entrapped. I recommend that these older best management practices (BMPs) be removed and discarded as soon as practicable and replaced with wattles contained in burlap.

Numerous crews were conducting construction activities within the 138-kilovolt (kV) gas insulated substation (GIS) building pad (Photo 6). Crews were installing copper grounding wire within trenches near the 138-kV GIS building pad (Photo 7). Two excavators were being used for trenching work within the 138-kV building pad (Photo 8). Excess spoil material was being stockpiled in the area southwest of the construction trailer pad (Photo 9).

According to the SDG&E representative onsite, there was a large concrete pour completed earlier in the week; all of the concrete washout bins were in good order (Photo 10). Overall, the San Juan Capistrano Substation site was in good order and clear of trash.

**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)

Remove all old plastic covered straw wattles and replaced with burlap covered straw 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** |
| 7/18/19 | San Juan Capistrano Substation |  | Photo 1 – The northern modular wetland. Photo facing west. |
| 7/18/19 | San Juan Capistrano Substation |  | Photo 2 – Spoil piles have been removed from an area near the former utility structure. Photo facing north. |
| 7/18/19 | San Juan Capistrano Substation |  | Photo 3 – Staging areas near the former utility structure. Photo facing north. |

| REPRESENTATIVE SITE PHOTOGRAPHS | | | |
|---|---|---|---|
| **Date** | **Location** | **Photo** | **Description** |
| 7/18/19 | San Juan Capistrano Substation |  | Photo 4 – Surveyors completing surveys for upcoming construction activities. Photo facing southwest. |
| 7/18/19 | San Juan Capistrano Substation |  | Photo 5 – Old straw wattles covered in plastic mesh. |
| 7/18/19 | San Juan Capistrano Substation |  | Photo 6 – Overview of the 138-kV gas GIS. Photo facing north. |

| REPRESENTATIVE SITE PHOTOGRAPHS | | | |
|---|---|---|---|
| **Date** | **Location** | **Photo** | **Description** |
| 7/18/19 | San Juan Capistrano Substation |  | Photo 7 – Installation of copper grounding wire within trenches. Photo facing west. |
| 7/18/19 | San Juan Capistrano Substation |  | Photo 8 – Trenching work within the 138-kV GIS building pad. Photo facing west. |
| 7/18/19 | San Juan Capistrano Substation |  | Photo 9 – Excess spoil stockpiled southwest of the construction trailer pad. Photo facing northwest. |

| REPRESENTATIVE SITE PHOTOGRAPHS | | | |
|---|---|---|---|
| **Date** | **Location** | **Photo** | **Description** |
| 7/18/19 | San Juan Capistrano Substation |   | Photo 10 – Covered concrete washout bins. Photo facing north. |

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|---|---|
| **Completed by:** | CPUC/E&E Compliance Monitor |
| **Date:** | 07/23/19 |

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|---|---|
| **Reviewed by:** | Manager |
| **Date:** | 07/23/19 |

# South Orange County Reliability Enhancement Project
# CPUC Site Inspection Form

| | | | |
|---|---|---|---|
| **Project:** | South Orange County Reliability Enhancement (SOCRE) Project | **Date:** | July 25, 2019 |
| **Project Proponent:** | San Diego Gas & Electric (SDG&E) | **Report #:** | VS042 |
| **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, warm, and light rain |
| **CPUC CM (E & E):** | Joe Donaldson | **Start/End Time:** | 0745 to 0915 |
| **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 0745. The SDG&E Environmental Coordinator was onsite.

A crew using an excavator was beginning to dig a trench near the northern modular wetland (Photo 1). Per the SDG&E Environmental Coordinator, the storm drain trench will be approximately 80 feet in length and connect to the northern modular wetland. A paleontological resource monitor was onsite observing excavation activities. The paleontological resource monitor explained that the trenching would extend into the Capistrano formation, which is described as a deep marine layer. This formation is found throughout the area and has revealed numerous marine animal fossils. As a part of this trenching work, construction crews were shifting the San Juan Capistrano Substation site entry to the original southern location. Construction crews were moving rumble plates and the check-in stand as part of relocation efforts (Photo 2). A crew was using a water truck for dust control.

Trenching work was being conducted around the conduit located north of the former utility structure (Photo 3). The SDG&E Environmental Coordinator explained that the trenching was for equipment supporting the new "switching" racks.

Construction activities within the 138-kilovolt (kV) gas insulated substation (GIS) building pad included preparation of the copper grounding wire (Photo 4) and ongoing work on the drainage piping (Photo 5). Concrete forms were being installed within the cable trench (Photo 6). With the SDG&E Environmental Coordinator present, I spoke with the onsite inspector regarding some of the construction activities.

Covers on some of the existing trenches had been removed (Photo 7). I spoke with the SDG&E Environmental Coordinator about covering the trenches or installing climbing structures within the trenches so animals would not become trapped.

Excess soil was being stockpiled in the area southwest of the construction trailer pad (Photo 8).

The SDG&E Environmental Coordinator and I spoke about the straw wattles covered in plastic mesh that remained onsite. The SDG&E Environmental Coordinator said that burlap covered wattles will be used for future erosion control best management practices (BMPs), including overland tubular steel pole (TSP) work. We also discussed the use of secondary containment/drip pans, specifically in terms of providing consistent recommendations/direction to the construction contractors (i.e., type of secondary containment/drip pans to be used and using secondary containment/drip pans for gas-powered engines).

In general, the San Juan Capistrano Substation site is in good order and clear of trash.

**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** |
| 7/25/19 | San Juan Capistrano Substation |  | Photo 1 – Crew using an excavator to dig a stormwater drainage trench from the northern modular wetland. Photo facing northwest. |
| 7/25/19 | San Juan Capistrano Substation |  | Photo 2 – Construction crews moving the rumble plates to the southern entrance. Photo facing west. |
| 7/25/19 | San Juan Capistrano Substation |  | Photo 3 – Conduit work occurring in the area just north of the former utility structure. Photo facing south. |

| REPRESENTATIVE SITE PHOTOGRAPHS | | | |
|---|---|---|---|
| **Date** | **Location** | **Photo** | **Description** |
| 7/25/19 | San Juan Capistrano Substation |  | Photo 4 – Construction activities within the new 138-kV GIS. Photo facing north. |
| 7/25/19 | San Juan Capistrano Substation |  | Photo 5 – Stormwater drainage piping within the 138-kV GIS substation. Photo facing west. |
| 7/25/19 | San Juan Capistrano Substation |  | Photo 6 – Work on the cable trench. Photo facing east. |

| REPRESENTATIVE SITE PHOTOGRAPHS | | | |
|---|---|---|---|
| **Date** | **Location** | **Photo** | **Description** |
| 7/25/19 | San Juan Capistrano Substation |  | Photo 7 – Open trenches. Photo facing east. |
| 7/25/19 | San Juan Capistrano Substation |  | Photo 8 – Soil stockpile area. Photo facing west. |

| | |
|---|---|
| **Completed by:** | CPUC/E&E Compliance Monitor |
| **Date:** | 07/29/19 |

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|---|---|
| **Reviewed by:** | Manager |
| **Date:** | 07/30/19 |

# South Orange County Reliability Enhancement Project
# CPUC Site Inspection Form

| | | | |
|---|---|---|---|
| **Project:** | South Orange County Reliability Enhancement (SOCRE) Project | **Date:** | July 31, 2019 |
| **Project Proponent:** | San Diego Gas & Electric (SDG&E) | **Report #:** | VS043 |
| **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 and breezy with mild temperatures |
| **CPUC CM (E & E):** | Joe Donaldson | **Start/End Time:** | 1200 to 1330 |
| **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 1200. The SDG&E Environmental Coordinator was onsite at the San Juan Capistrano Substation. An additional SDG&E Environmental Monitor and a paleontological resource monitor were also onsite. The paleontological resource monitor was overseeing the excavation work for the stormwater drainage line in the northwest corner of the site (Photo 5). Construction crews were finishing the excavation work while I was onsite. It appeared that excavation activities were no longer occurring within the Capistrano formation.

A construction crew was trimming trees across Camino Capistrano; however, the SDG&E Environmental Coordinator clarified that the construction crew trimming trees was with the City of San Juan Capistrano and not associated with the SOCRE Project. Some of these trees will eventually be removed as part of the SOCRE Project.

I noted that some of the roads within the San Juan Capistrano Substation site needed dust control. A water truck was scheduled to wet the roads later in the day (Photo 1). The roadway leading to the soil stockpile area also required dust control (Photo 9), and the SDG&E Environmental Coordinator requested that additional water be sprayed in this area. The stockpiled soil was moist and consisted of clay components; therefore, dust was not an issue for the stockpiled soil.

Crews were conducting conduit work for the new switching racks located north of the former utility structure. The conduit work included trenching and installation of the conduit (Photo 2) and slurry work in a number of the conduit trenches (Photo 3). A third trench was also being excavated.

Corrugated plastic storm drain pipe had been installed in the trench leading to the modular wetland. The trench was being backfilled with gravel (Photo 4). The piping will be connected to the modular wetland. Every morning prior to the start of work, the SDG&E Environmental Coordinator checks open/deep trenches for trapped animals. Trenched areas that had been left open for extended periods are now covered (Photo 10).

Crews continued construction work within the 138-kilovolt (kV) gas insulated substation (GIS) building pad; the cable trench had been poured (Photo 6) and forms were being installed for another round of concrete pours (Photo 7). Storm drain work was planned at several locations within the San Juan Capistrano Substation (Photo 8).

I met with the new SOCRE Environmental Project Manager and the SOCRE Project Manager and we talked about the SOCRE Project status.

Photo 11 is an overview of the 138-kV GIS substation work.

**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** |
| 7/31/19 | San Juan Capistrano Substation |  | Photo 1 – Dusty construction roads. Photo facing southwest. |
| 7/31/19 | San Juan Capistrano Substation |  | Photo 2 – New conduit trench in the area just north of the former utility structure. Photo facing west. |
| 7/31/19 | San Juan Capistrano Substation |  | Photo 3 – Newly slurried conduit pipe in the area just north of the former utility structure. Photo facing northwest. |

| REPRESENTATIVE SITE PHOTOGRAPHS | | | |
|---|---|---|---|
| **Date** | **Location** | **Photo** | **Description** |
| 7/31/19 | San Juan Capistrano Substation |  | Photo 4 – Drain pipe leading to the modular wetland. Photo facing west. |
| 7/31/19 | San Juan Capistrano Substation |  | Photo 5 – Storm drain work along the northern portion of the San Juan Capistrano Substation site. Photo facing east. |
| 7/31/19 | San Juan Capistrano Substation |  | Photo 6 – The cable trench has been poured. Photo facing south. |

| REPRESENTATIVE SITE PHOTOGRAPHS | | | |
|---|---|---|---|
| **Date** | **Location** | **Photo** | **Description** |
| 7/31/19 | San Juan Capistrano Substation |  | Photo 7 – Concrete forms around the 138-kV GIS pad. Photo facing south. |
| 7/31/19 | San Juan Capistrano Substation |  | Photo 8 – Storm drain piping within the new 138-kV GIS. Photo facing south. |
| 7/31/19 | San Juan Capistrano Substation |  | Photo 9 – Soil stockpile area. Photo facing east. |

| REPRESENTATIVE SITE PHOTOGRAPHS | | | |
|---|---|---|---|
| **Date** | **Location** | **Photo** | **Description** |
| 7/31/19 | San Juan Capistrano Substation |  | Photo 10 – Covered trenches. Photo facing west. |
| 7/31/19 | San Juan Capistrano Substation |  | Photo 11 – Overview of the 138-kV GIS area. Photo facing northwest. |

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|---|---|
| **Completed by:** | CPUC/E&E Compliance Monitor |
| **Date:** | 08/2/19 |

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|---|---|
| **Reviewed by:** | Manager |
| **Date:** | 08/05/19 |