


|   |  |
|---|--|
|  | <p><b>California Public Utilities Commission</b><br/> <b><i>Mitigation Monitoring, Compliance, and Reporting Program</i></b></p> |
|   | <p><b>East County (ECO) Substation Project</b></p> <p><b>Compliance Status Report: 019</b></p> <p><b>December 30, 2013</b></p>   |

**SUMMARY**

The California Public Utilities Commission (CPUC) is responsible for overseeing implementation of the mitigation measures set forth in the Final Environmental Impact Report/Environmental Impact Statement (FEIR/EIS) for the East County (ECO) Substation Project. The CPUC has established a third-party monitoring program and adopted a Mitigation Monitoring, Compliance, and Reporting Program (MMCRP) to ensure that measures approved in the FEIR/EIS to mitigate or avoid significant impacts are implemented in the field. This MMCRP status report is intended to provide a description of construction activities on the project, a summary of site inspections conducted by the CPUC’s third-party monitors, the compliance status of mitigation measures required by the MMCRP, and anticipated construction activities. This compliance status report covers construction activities from December 9 to December 22, 2013.

**MITIGATION MONITORING, COMPLIANCE, AND REPORTING**

***Site Inspections/Mitigation Monitoring***

A CPUC third-party environmental compliance monitor conducted site observations at the Boulevard Substation Rebuild Site, 138 kV Underground Transmission Line, 138 kV Overhead Transmission Line, and ECO Substation. Areas of active and inactive construction within the project limits were observed to verify implementation of the mitigation measures stipulated in the project’s MMCRP. Daily observations were documented on daily site inspection forms and applicable mitigation measures were reviewed in the field.

***Implementation Actions***

**Boulevard Substation Rebuild Site**

Construction activities at the Boulevard Substation Rebuild Site consisted of constructing concrete forms for the substation foundations and piers and delivery of the 138 kV transformer.

Construction activities were observed being completed within the approved work limits in accordance with Mitigation Measure (MM)-BIO-1a. Construction crews were also observed staging hazardous

materials at approved locations and containment bins were present beneath the staged hazardous materials in accordance with the Hazardous Materials Management Plan and MM-HAZ-1a.

Concrete washout stations were being utilized by construction crews during foundation pours in accordance with the Stormwater Pollution Prevention Plan (SWPPP) and MM-HYD-1 (see photo 1 – Attachment A).

Temporary screening material is being maintained along the perimeter chain-link fence in accordance with MM-VIS-3a. A fire box containing fire equipment was also observed to be maintained on-site in accordance with the Construction Fire Prevention Plan (MM-FF-1).

### 138 kV Underground Transmission Line

Construction activities during this reporting period consisted of excavation, installation, and pouring concrete for underground transmission line components.

Dust control measures consisting of watering areas of active construction (see photo 2 – Attachment A), maintaining speed limits below 15 miles per hour along unpaved roads, and placement of rattle plates and rock aprons to minimize trac-out along paved roadway surfaces were being implemented in accordance with the Dust Control Plan and MM-BIO-4a.

Spill kits were present on construction equipment in accordance with the Hazardous Materials Management Plan and MM-HAZ-1a. Spill kits are being maintained on construction equipment to ensure materials are readily accessible for clean-up of small spills (see photo 3 – Attachment A).

Erosion control devices including silt fence and straw wattles are being maintained along the limits of work to minimize the potential for pollutants and sediment to be discharged offsite. The erosion control features have been observed to be maintained in accordance with the SWPPP and MM-HYD-1. In addition, yellow ropes have been installed to delineate the approved project work limits during construction activities associated with underground transmission line alignment in accordance with MM-BIO-1a.

### 138 kV Overhead Transmission Line

During this reporting period, construction crews continued to install environmentally sensitive area (ESA) fencing in accordance with MM-CUL-1a and CUL-1d. Construction crews were also observed clearing vegetation and installing erosion and sediment control devices including energy dissipaters, straw wattles, and silt fencing.

Construction crews were observed removing vegetation at steel pole #65 (see photo 4 – Attachment A). In accordance with the Dust Control Plan and MM-BIO-4a, water trucks were present watering down areas of active construction to minimize fugitive dust. Speed limit signs have also been posted along

access roads as a reminder to construction personnel that project speeds are to be maintained below 15 miles per hour along unpaved roadway surfaces (see photo 5 – Attachment A).

Fire patrols were present during construction activities in accordance with the Construction Fire Prevention/Protection Plan and MM-FF-1.

Erosion control measures consisting of silt fence, gravel bags and straw wattles have been placed along the right-of-way to minimize the potential for erosion to occur. Silt fences were observed in place and being maintained at steel pole #64 during ground disturbance activities (see photo 6 – Attachment A).

### ECO Substation

Construction activities at the ECO Substation consisted of pouring foundations for substation equipment, erecting A-frame structures, and installation of the 500 kV transformers (see photos 7 and 8 – Attachment A).

All construction activities were observed being completed within the approved work limits in accordance with MM-BIO-1a. Biological monitors were observed inspecting excavations during construction and working with construction crews to ensure excavations were covered at the end of daily construction activities to prevent wildlife entrapment.

Water trucks were observed applying water to areas of active construction on a regular basis to minimize fugitive dust emissions along unpaved access roads. A rock apron and rattle plate are being maintained at the point of ingress/egress to the ECO substation in accordance with the Dust Control Plan and MM-Bio-4a. A street sweeper was also observed being utilized to remove any trac-out along Old Highway 80.

### *Mitigation Measure Tracking*

Mitigation measures applicable to the construction activities were verified in the field and documented in the CPUC's mitigation measure tracking database. A complete list of mitigation measures and applicant proposed measures is included in the FEIR/FEIS for the ECO Substation Project, as adopted by the CPUC on April 19, 2012 (Decision 12-04-022).

### *Compliance*

No compliance issues/concerns were documented during this reporting period.

## **CONSTRUCTION PROGRESS**

### *Boulevard Substation Rebuild Site*

All abatement activities at the Boulevard Substation Rebuild Site have been completed. Construction crews have completed demolishing existing structures and have completed the finish-grade of the substation pad. Construction activities are approximately 21 percent complete.

### ***ECO Substation Site Construction***

Construction crews have completed fine grading at the 138/230 kV and 500 kV substation pad sites. Construction activities associated with foundation excavations, rebar placement and pouring concrete continued at the 138/230 kV substation pad and construction of the control shelter at the 500 kV substation pad site continued during this reporting period. Construction activities are approximately 57 percent complete.

### ***138 kV Underground Construction***

SDG&E has completed the 138 kV Underground Transmission Line between the ECO substation and Old Highway 80. Construction crews continue to excavate and install transmission line components consisting of vaults and conduit.

### ***138 kV Overhead Construction***

SDG&E continued to place ESA fencing along the right-of-way, remove vegetation, install erosion control devices, clearing and grading pad sites, and erecting steel poles.

## **CONSTRUCTION SCHEDULE**

***ECO Substation 500 kV and 230/138 kV Yards*** – SDG&E began construction activities in March 2013 and is anticipated to complete construction in September 2014. Construction activities are approximately 57 percent complete.

***SWPL Loop-In*** – SDG&E has not initiated any construction activities at this time associated with the SWPL Loop-In. SDG&E is anticipated to complete construction in October 2014.

***138 kV Underground Transmission Line*** – SDG&E began construction activities in October 2013 and is anticipated to complete construction in October 2014.

***138 kV Overhead Transmission Line*** – SDG&E began construction activities in November 2013 and is anticipated to complete construction in October 2014.

***Boulevard Substation Rebuild*** – SDG&E began construction in December 2012 and is anticipated to complete construction in November 2014. Construction activities are approximately 21 percent complete.

## ATTACHMENT A Photos

---



**Photo 1:** Construction activities associated with pouring concrete foundations at the Boulevard Substation continued during this reporting period. A concrete washout bin was observed being utilized and maintained in good condition in accordance with the SWPPP and MM-HYD-1.



**Photo 2:** Dust suppression measures consisting of watering down areas of active construction was observed being implemented during trenching activities in accordance with MM-Bio-4a and the Dust Control Plan.

## ATTACHMENT A (Continued)



**Photo 3:** In accordance with MM-HAZ-1a and the Hazardous Materials Management Plan, spill response kits were observed being maintained on construction equipment.



**Photo 4:** Vegetation being removed within the approved work limits at the pad site for steel pole #65. Work was observed being completed within the approved work limits in accordance with MM-BIO-1a. A water truck was also observed to be present minimizing fugitive dust emissions in accordance with MM-BIO-4a and the Dust Control Plan.



## ATTACHMENT A (Continued)



**Photo 5:** Speed limit signs posted along access roads to remind construction crews to maintain speeds below 15 miles per hour while traveling along unpaved roads in accordance with MM-BIO-7b.



**Photo 6:** Erosion control measures consisting of silt fence was in place prior to ground disturbance activities and is being maintained at steel pole #64 in accordance with MM-HYD-1 and the SWPPP.

## ATTACHMENT A (Continued)



**Photo 7:** An overview of the ECO substation looking west towards Old Highway 80.



**Photo 8:** A crane is utilized to erect A-frame structures at the 230 kV bay within the ECO Substation.



## ATTACHMENT B Notices to Proceed

---

| NTP No.  | Date Issued        | Description   | Conditions Included (Y/N) |
|----------|--------------------|---|---------------------------|
| BLM-001  | February 11, 2013  | A single geotechnical boring to finalize the design of the underground transmission alignments on lands administered by the BLM | Y                         |
| CPU -001 | November 30, 2012  | Abatement activities at the Boulevard Substation Rebuild Site   | Y                         |
| CPUC-002 | February 1, 2013   | Construction of a new substation (a 500 kV yard and a 230/138 kV yard)  | Y                         |
| CPUC-003 | February 1, 2013   | Geotechnical Activities   | Y                         |
| CPUC-004 | March 4, 2013      | Geotechnical Activities   | Y                         |
| CPUC-005 | May 21, 2013       | Construction Yards  | Y                         |
| CPUC-006 | July 2, 2013       | 138 kV Underground Transmission Line along Southern Access Road   | Y                         |
| CPUC-007 | July 30, 2013      | 138 kV Underground Transmission Line within Old Highway 80 and Carrizo Gorge Road   | Y                         |
| CPUC-008 | August 2, 2013     | Construction activities associated with the Boulevard Substation Rebuild  | Y                         |
| CPUC-009 | September 25, 2013 | 138 kV Underground Transmission Line from Boulevard Substation to 138 kV Overhead Transmission Line                             | Y                         |
| CPUC-010 | October 17, 2013   | 138 kV Underground Transmission Line from Carrizo Gorge Road to Steel Pole 91   | Y                         |
| CPUC-011 | November 5, 2013   | 138 kV Overhead Transmission Line   | Y                         |
| CPUC-012 | November 19, 2013  | Fault Investigations at the Southwest Powerlink (SWPL) Loop-In  | Y                         |
| CPUC-013 | December 4, 2013   | 138 kV Overhead Transmission Line Steel Pole- 105B and Steel Pole-108A  | Y                         |

## ATTACHMENT C

### Minor Project Refinement Requests

---

| Minor Project Refinement Request No. | Submitted         | Description   | Status   | Approval           |
|--------------------------------------|-------------------|---|----------|--------------------|
| 001                                  | January 25, 2013  | Temporary Retention Basin   | Approved | February 7, 2013   |
| 002                                  | March 22, 2013    | Adjustments to the Domingo Lake and Jewel Valley Construction Yards                           | Approved | May 20, 2013       |
| 003                                  | March 22, 2013    | Adjustments to the Carrizo Gorge Construction Yard  | Approved | May 20, 2013       |
| 004                                  | May 17, 2013      | Adjustments to the Southern Access Road and 138 kV Overhead and Underground Transmission Line | Approved | June 26, 2013      |
| 005                                  | June 27, 2013     | Adjustments to the Boulevard Substation Rebuild   | Approved | July 26, 2013      |
| 006                                  | July 30, 2013     | Adjustments to the 138 kV Overhead Transmission Line  | Approved | September 23, 2013 |
| 007                                  | August 16, 2013   | Relocation of Temporary Retention Basin   | Approved | August 22, 2013    |
| 008                                  | August 20, 2013   | Construction Water Use  | Approved | October 1, 2013    |
| 009                                  | November 22, 2013 | Additional Temporary Work Space for Fence Replacement   | Approved | November 26, 2013  |