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|  | <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: 016</b></p> <p><b>November 10, 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 October 28 to November 10, 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 rough grading and initiating fine grading of the substation pad (see photo 1 – Attachment A). Dust control measures were observed being implemented in accordance with Mitigation Measures BIO-4A. Measures being implemented consisted of watering areas of active construction via use of water trucks, rattle plates at the point of ingress/egress, and street sweeping along Old Highway 80.

Erosion control features consisting of silt fence and straw wattles have been placed along the perimeter of the work area and are being maintained in accordance with the Storm Water Pollution Prevention Plan (SWPPP) and Mitigation Measure HYD-1. Hazardous materials were observed being stored on-site in accordance with Mitigation Measure HAZ-1A and the Hazardous Materials and Waste Management Plan. Hazardous materials were located in an approved location and were properly labeled and stored.

In accordance with Mitigation Measure BIO-1a, an environmental monitor was onsite to ensure all work was completed within the approved work limits. Topsoil was observed being stored onsite that will be utilized at a future date for restoration activities in accordance Mitigation Measure BIO-1D (see photo 2 – Attachment A).

### 138 kV Underground Transmission Line

Construction activities consisted of installing erosion control devices between the Boulevard Substation and 138 kV Overhead Transmission Line components. Crews also completed excavation and installation of vaults along Old Highway 80.

In accordance with Mitigation Measures CUL-1A and CUL-1D, Environmentally sensitive areas (ESAs) have been clearly identified in the field via use of signage and flagging material. Archeological and Biological monitors were present monitoring all activities.

Crews were observed utilizing spill kits to clean-up hazardous materials associated with construction activities along the right-of-way (see Photo 3 – Attachment A). Containment bins were also observed being placed beneath construction equipment when not in use.

Water trucks were present to minimize fugitive dust emissions in accordance with the Dust Control Plan and Mitigation Measures BIO-4a during excavation activities (see Photo 4 – Attachment A). Flagging of special-status plant species to be avoided during construction was observed being completed prior to construction in accordance with Mitigation Measure BIO-5a. Flagging consisted of pin flags that identified the location of special-status plant species.

In accordance with MM-TRA-1, traffic control measures consisting of a flagger and signage was utilized along Old Highway 80 to ensure safe passage for public motorists.

SDG&E reported a minor deviation that occurred on November 7, 2013 when a construction crew working on a vault excavation completed work activities outside of the permitted work hours identified under Mitigation Measures NOI-1. Construction crews encountered rock substrate that resulted in unexpected difficulty with the vault excavation, which resulted in delayed placement of steel plates over the excavation, which is required during non-construction hours. Mitigation Measure NOI-1 requires construction activities to be completed by 7PM daily. Placement of the steel plates and demobilizing for the day extended to 730PM. Corrective actions implemented by SDG&E included discussing the deviation at the next tailboard meeting where crews were reminded to begin preparing for the road

opening including the placement of trench plates and traffic control removal earlier in the day to ensure compliance with Mitigation Measure NOI-1.

### 138 kV Overhead Transmission Line

Construction activities were limited during this reporting period to staking the work limits and installing ESA markings in accordance with Mitigation Measures CUL-1A and CUL-1D. In accordance with Mitigation Measure BIO-1a, an environmental monitor was onsite to ensure all work was completed within the approved work limits.

### ECO Substation

Construction activities at the ECO Substation site consisted of installing above grade substation components at the 138/230 kV pad site and completion of fine grading at the 500 kV pad site (see Photo 5 – Attachment A).

Crews were observed utilizing concrete washout stations at the 138/230 kV substation pad during foundation pours in accordance with the SWPPP and MM-HYD-1. In addition, containment bins were observed under staged equipment, hazardous materials, and portable sanitary facilities.

Fire patrols were observed on-site during construction activities to ensure construction equipment and vehicles had the required fire safety equipment and provided ongoing fire patrols in accordance with MM-FF-1 (see Photo 6 – Attachment A).

### ***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***

Applicable mitigation measures were verified during site inspections and were determined to be implemented in accordance with the MMCRP.

## **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 continue rough grading activities to establish the substation pad. Construction activities are approximately 18 percent complete.

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

Construction crews have completed fine grading at the 138/230 kV substation pad site and continued fine grading at the 500 kV substation pad. Construction activities associated with foundation excavations, rebar placement and pouring concrete continued at the 138/230 kV substation pad during this reporting period. Construction activities are approximately 49 percent complete.

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

SDG&E has completed the 138 kV Underground Transmission Line between the ECO substation and Old Highway 80. Crews continued vegetation removal and salvaging topsoil along the 138 KV Underground segment between the Boulevard Substation and 138 kV Overhead Transmission Line. Excavations and saw cutting for vault placement along Old Highway 80 continued during this reporting period.

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

SDG&E initiated staking of work limits and placement of ESAs fencing along the right-of-way.

## **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.

***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.

## ATTACHMENT A Photos

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**Photo 1:** Construction activities continued at the Boulevard Rebuild Substation consisting of rough-grading the substation pad.



**Photo 2:** In accordance with Mitigation Measure BIO-1D, topsoil is being salvaged for future restoration efforts at the Boulevard Rebuild Substation.

## ATTACHMENT A (Continued)



**Photo 3:** Spill kits are utilized during construction to manage hazardous materials in accordance with Mitigation Measures HAZ-1a.



**Photo 4:** Construction activities associated with vault excavations for the 138 kV Underground Transmission Line component were completed along Old Highway 80 during this reporting period. A water truck is utilized to reduce fugitive dust emissions in accordance with Mitigation Measure 4a and the Dust Control Plan.

## ATTACHMENT A (Continued)



**Photo 5:** Construction activities associated with foundation drilling, concrete form building and firewall construction continue at the ECO Substation pad site.



**Photo 6:** In accordance with the Construction Fire Prevention Plan (Mitigation Measure FF-1), a fire watch waters down concrete piping following cutting activities at the ECO substation pad.

## ATTACHMENT B Notices to Proceed

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| 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                         |
| CPUC - 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                         |



## ATTACHMENT C

### Minor Project Refinement Requests

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| 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    |