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PROJECT MEMORANDUM
PG&E WINDSOR SUBSTATION PROJECT

To: Eric Chiang, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: August 21, 2017
Subject: Monitoring Report #28 – August 7, 2017 to August 13, 2017

This report provides a summary of the construction and compliance activities associated with the PG&E Windsor Substation Project which includes the construction of the Windsor Substation, as well as 12 kv distribution line underbuild and reconductoring work (see Exhibit A).

A summary of the Notices to Proceed (NTPs) for construction and Minor Project Change (MPC) activities are provided in Tables 1 and 2, respectively (below).

CPUC Environmental Monitor (EM): Jody Fessler was on site August 10.

Windsor Substation Site

NTP #1 was issued on June 15, 2016 for the Windsor Substation component of the Project, located at 10789 Old Redwood Highway in the Town of Windsor. NTP #1 included conditions that had to be satisfied prior to the start of construction. PG&E was allowed to start vegetation clearing and tree trimming prior to receiving their grading permit from the Town of Windsor. PG&E received the grading and building permits from the Town of Windsor on November 14, 2016, and minimal construction activities started thereafter. During the 2016/2017 rainy season, heavy rains and saturated conditions precluded construction activities at the Windsor Substation site for the majority of the season. Construction activities started back up in April 2017.

Summary of Activity:

A trench was excavated from the distribution pole at the north gate to the service box installed at the northeast corner of the pad.

PG&E general construction crews continued to work in the switchgear control building.

Construction of the SPCC pond along the western side of the site continued with excavation of keyway footings. The perimeter of the pond floor and grade beam locations were slurried with cement. Excavated soil was hauled off site.

On the southwest side of the site, installation of transmission switches on dead-end structures occurred.

At the time of the CPUC EM's site visit on August 10, crews were excavating pull boxes for the distribution line, excavating a trench for the service electrical line to the station, working in the switchgear control building, excavating the SPCC pond, and installing the switches on the dead-end structures (see Figures 1 through 4).

Environmental Compliance:

1. PG&E's Environmental Inspector (EI), conducted an inspection and monitoring on August 9. BMPs, stormwater ponds, and wetland areas were checked while inspecting the site. Ongoing surveys for special-status species and nesting birds were also performed. No special-status species or nesting birds were observed.

- The CPUC EM noted that the site was neat and clean, and that SWPPP measures were in place. Silt fencing was installed around the wetland areas on the west and south sides of the substation site, and was in good working condition. Environmentally Sensitive Area fencing was also installed around oak trees for protection. Soil piles were covered with plastic and surrounded by fiber rolls, and drainage inlets were protected with fiber rolls and sandbags. Watering of the site for dust control was observed. Traffic control signs were setup along Old Redwood Highway near the substation entrance and exit. The site was in compliance with mitigation measures, Applicant Proposed Measures, and other permit requirements.

12 kV Distribution Line Underbuild and Reconductoring Work

NTP #2 for the 12 kV distribution line underbuild and reconductoring work was issued by CPUC on March 30, 2017. Work along Old Redwood Highway began July 5, 2017.

Summary of Activity:

No construction activities occurred along Old Redwood Highway during the subject week.

Environmental Compliance:

- The PG&E EI conducted an inspection of the trenching work across Old Redwood Highway in the vicinity of Pole a9 and b9 on August 9. Excess dirt that was at the base of the new poles installed on either side of the road had been removed and BMPs remained in place. No impact to the roadside ditch on the east side of the road had occurred from trenching or pole work at this location.

Notices to Proceed

Table 1 summarizes the Notices to Proceed (NTP) for the Windsor Substation Project.

Table 1
Notice to Proceeds (NTPs)
(Updated 8/21/17)

NTP #	Date Requested	Date Issued	Phase	Description
NTP #1	5/17/16	6/15/16	Windsor Substation	Windsor Substation component of the Project.
NTP #2	2/17/17	3/30/17	Reconductoring & 12 kV Line Underbuild	Rebuild a segment of the Fulton No. 1 power line to hold a new double-circuit 12 kilovolt (kV) distribution line underbuild, and reconductoring an existing distribution line along Old Redwood Highway.

Minor Project Changes (MPCs)

Table 2 summarizes the Minor Project Changes submitted for the Windsor Substation Project.

Table 2
Minor Project Changes (MPCs)
(Updated 8/21/17)

MPC #	Date Requested	Date Issued	Phase	Description
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MPC #	Date Requested	Date Issued	Phase	Description
MPC #1	5/17/16	6/15/16	Windsor Substation	Design change to Spill Prevention Control and Countermeasure (SPCC) retention pond and stormwater flow. MPC #1 was incorporated into NTP #1.
MPC #2	5/17/16	6/15/16	Windsor Substation	Use of water truck or driwater pods instead of irrigation system for landscaping. MPC #2 was incorporated into NTP #1.
MPC #3	5/17/16	6/15/16	Windsor Substation	Replacement of culverts in existing roadways entering substation site and Herb Lane. MPC #3 incorporated into NTP #1.
MPC #4	8/11/16	8/19/16	Windsor Substation	Revision of the Conceptual Landscape Plan based on final design and engineering.
MPC #5	2/17/17	3/30/17	Reconductoring & 12 kV Line Underbuild	Use of crane staged on SMART tracks to replace certain poles along the Fulton No. 1 Power Line submitted with NTP Request #2.
MPC #6	2/17/17	3/30/17	Reconductoring & 12 kV Line Underbuild	Final design and engineering revision to the tubular steel pole (TSP) west of the substation submitted with NTP Request #2.
MPC #7	2/17/17	3/30/17	Reconductoring & 12 kV Line Underbuild	Changes to tree trimming and removal due to construction method changes (crane use on SMART tracks) submitted with NTP Request #2.
MPC #8	2/17/17	3/30/17	Reconductoring & 12 kV Line Underbuild	Additional pull and tension site located on Railroad Avenue between Poles a32 and a33 submitted with NTP Request #2.
MPC #9	6/05/17	6/22/17	Reconductoring & 12 kV Line Underbuild	Reconfiguration of distribution line crossing of Old Redwood Highway and pole changes.
MPC #10	8/15/17	DATA REQUEST SENT TO PG&E 8/16/17	Additional Staging Area	Additional temporary staging area at PG&E-owned property located at 1054 Mitchell Lane in Windsor.

EXHIBIT A – CONSTRUCTION STATUS



PROJECT PHOTOS



Figure 1 – Excavating pull boxes for distribution lines – view west, August 10, 2017.



Figure 2 – Excavating service electrical line to substation – view northwest, August 10, 2017.



Figure 3 – SPCC pond construction – view southwest, August 10, 2017.



Figure 4 – Installation of switches on dead-end structures – view southeast, August 10, 2017.