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**PROJECT MEMORANDUM**  
**PG&E WINDSOR SUBSTATION PROJECT**

**To:** Eric Chiang, Project Manager, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** December 22, 2017  
**Subject:** Monitoring Report #42 – December 11, 2017 to December 17, 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 December 13.

## **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:**

Crews worked at the Windsor Substation site Monday through Sunday. Crews backfilled and compacted around conduit and pull boxes, framed and poured the concrete V-ditches, off-hauled spoils, and set posts for fencing on the south side of the substation pad. PG&E General Construction (GC) crews worked on the dead-end switches and in the switchgear building.

The CPUC EM did not conduct a site visit of the substation during the subject week.

### **Environmental Compliance:**

1. PG&E's Environmental Inspector (EI), conducted inspections and monitoring on December 11-17. No concerns were noted. Ongoing surveys for special-status species were performed. No special-status species were observed.

## **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. Work along the Fulton No. 1 line began on September 12, 2017.

### **Summary of Activity:**

On the property west of the substation across from the railroad tracks, crews erected the tubular steel pole (TSP) and completed conductor work. All six phases of conductor were pulled into the TSP from the substation. Distribution lines were moved to the TSP, the existing wood pole (a1) was removed, and the

hole was backfilled with gravel to within 2 feet of the ground surface, with the remaining portion backfilled with soil. All vehicles and equipment stayed on mats while in the work area and along the access route.

Along the Fulton No. 1 line, crews completed four pole replacements at poles a17 through a20, which were all accessible from roadways. The crew jack-hammered around poles set in concrete at two of the locations. In advance of the following week’s clearance and replacement of poles a21 through a27 to be done by two cranes from the railroad tracks, crews hand dug or used a vac-truck to excavate holes, and line crews framed poles staged along the railroad tracks. Holes were covered with plywood and soil mounded around the sides to prevent wildlife entrapment. Two cranes accessed the tracks at Starr Road, and traveled south along the tracks atop wooden planks placed along the track rails. Staging and setup of the cranes was completed on Sunday in advance of the clearance scheduled for December 18 and 19.

No work occurred along Old Redwood Highway during the subject reporting period.

At the time of the CPUC EMs site visit on December 13, crews were working on the TSP and preparing for pole replacements along the railroad tracks for the Fulton No. 1 line (see Figures 1 - 3).

**Environmental Compliance:**

1. The PG&E EI conducted inspections and monitoring December 11 – 17 along the Fulton No. 1 alignment. Ongoing surveys for special-status species were performed. No special-status species were observed. No compliance issues were noted.
2. The CPUC EM conducted monitoring of the TSP installation work and Fulton No. 1 work along the railroad tracks south of Starr Road. The work was in compliance with mitigation measures, Applicant Proposed Measures, and other permit requirements. No monitoring was conducted along Old Redwood Highway during the subject week since no construction activities occurred.
3. On December 14, a large man-lift was delivered by a rental company to the Herb Road entrance at 10 p.m. During unloading and staging of the machine inside the gate, the neighbor at 10220 Herb Road (adjacent to the Drew property) approached the PG&E EI and the EPC supervisor present and complained about the noise from the back-up alarm. The gentleman was told that the construction activity at the gate was complete.

**Notices to Proceed (NTPs)**

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

**Table 1**  
**Notice to Proceeds (NTPs)**

(Updated 12/22/17)

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 (MPCs) submitted for the Windsor Substation Project.

**Table 2**  
**Minor Project Changes (MPCs)**  
 (Updated 12/22/17)

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 REVISED	8/15/17	9/12/17	Additional Staging Area	Additional temporary staging area at southeast corner of Windsor River Road and Windsor Road in Windsor.

EXHIBIT A – CONSTRUCTION STATUS



## PROJECT PHOTOS



Figure 1 – Crews working on TSP in field west of substation – view east, December 13, 2017.



Figure 2 – Crews preparing pole for replacement along the railroad – view south, December 13, 2017.



Figure 3 – Pole to be replaced via crane in a backyard adjacent to the railroad – view northwest, December 13, 2017.