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

**To:** Eric Chiang, Project Manager, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** September 28, 2017  
**Subject:** Monitoring Report #34 – September 18, 2017 to September 24, 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 September 21.

## **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:**

Conduit trenches for the distribution line were excavated, conduit installed to pull boxes, and the trenches backfilled. Crews installed pull boxes along the east perimeter of the site.

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 the installation of rebar and wall panel forms, stripping forms, and pouring concrete foundations.

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

At the time of the CPUC EM's site visit on September 21, crews were excavating conduit trenches and pull boxes, cement slurry was poured for the foundation of the SPCC pond at the southern end, another crew was working in the switchgear control building, and another crew was installing the switches and insulators on the dead-end structures (see Figures 1 through 3). New fiber rolls and gravel bags, as well as additional drainage inlet protections, were installed along the northern perimeter of the site (see Figure 4).

### **Environmental Compliance:**

1. PG&E's Environmental Inspector (EI), conducted an inspection and monitoring on September 18 and 23. Ongoing surveys for special-status species were performed. No special-status species were observed.

- The CPUC EM noted that the site was neat and clean. Silt fencing was installed around the wetland areas on the west and south sides of the substation site, and was in good working condition. Additional fiber rolls and gravel bags were installed along the northern perimeter of the site. Gravel and fiber rolls with gravel bags anchoring them were installed around a drainage. 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. Work along the Fulton No. 1 line began on September 12, 2017.

### Summary of Activity:

No work occurred along Old Redwood Highway during the week.

In advance of reconductoring work for the Fulton No. 1 line, tree trimming was conducted on September 23, 2017, and one blue oak tree (approximately 8 inches DBH and 15 feet tall) was removed. Work sites were accessed on foot in the Kerry Preserve (Poles a7 and a8 of the Fulton No. 1 line are within the preserve), and from Wilcox Road for the remaining areas. Within the Kerry Preserve, branches were cut to small sizes acceptable to CalFire standards and left onsite. Along Wilcox Road, trimmed branches and saplings were chipped into a dump truck.

At the time of the CPUC EM's site visit of the project on September 21, no crews were working and no monitoring was conducted.

### Environmental Compliance:

- The PG&E EI conducted an inspection and monitoring along the railroad right-of-way on September 18 and 23. No special-status wildlife, including bats, western pond turtle, and badger, were observed.
- The PG&E EI was present during all tree trimming and activities in the Kerry Preserve. All vernal pools were avoided.

## Notices to Proceed

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

**Table 1**  
**Notice to Proceeds (NTPs)**  
(Updated 9/28/17)

NTP #	Date Requested	Date Issued	Phase	Description
NTP #1	5/17/16	6/15/16	Windsor Substation	Windsor Substation component of the Project.

<b>NTP #</b>	<b>Date Requested</b>	<b>Date Issued</b>	<b>Phase</b>	<b>Description</b>
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 9/28/17)

<b>MPC #</b>	<b>Date Requested</b>	<b>Date Issued</b>	<b>Phase</b>	<b>Description</b>
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.



## PROJECT PHOTOS



Figure 1 – Excavating conduit trenches and pull boxes – view east, September 21, 2017.



Figure 2 – Pouring cement slurry for foundation of the SPCC pond – view south, September 21, 2017.



Figure 3 – Concrete foundation pour in SPCC pond – view southwest, September 21, 2017.



Figure 4 – Additional BMPs installed around drainage inlet – view northeast, September 21, 2017.