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PROJECT MEMORANDUM
PG&E WINDSOR SUBSTATION PROJECT

To: Eric Chiang, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: October 12, 2017
Subject: Monitoring Report #36 – October 2, 2017 to October 8, 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 October 5.

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:

Installation of the perimeter wall panels occurred on the east and north sides of the substation site (see Figures 1 and 2).

Conduit trenches for the distribution line were excavated, conduit installed to pull boxes, and the trenches backfilled on the eastern perimeter (see Figure 3).

Deliveries of base rock and sand occurred for the build-up of the substation pad to grade and for around the SPCC pond.

Crews backfilled and compacted engineered fill along the east side of the SPCC pond (see Figure 4).

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

On the southwest side of the site, installation of transmission switches and insulators on dead-end structures continued (see Figure 4).

At the time of the CPUC EM's site visit on October 5, crews were excavating conduit trenches on east side, backfilling and compacting engineered fill along the east side of the SPCC pond, working in the switchgear control building and on the transformer, and installing the switches and insulators on the dead-end structures.

Environmental Compliance:

1. PG&E’s Environmental Inspector (EI), conducted an inspection and monitoring on October 3. Ongoing surveys for special-status species were performed. No special-status species were observed.
2. 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. Environmentally Sensitive Area fencing was also installed around oak trees for protection. Soil piles that were not active were covered with plastic and surrounded by fiber rolls. Drainage inlets were protected with fiber rolls and gravel bags. 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:

One pole was replaced along Old Redwood Highway during the week.

No work occurred along the Fulton No. 1 line during the week.

At the time of the CPUC EM’s site visit of the project on October 5, no crews were working along Old Redwood Highway.

Environmental Compliance:

1. The PG&E EI conducted an inspection and monitoring on October 3. Ongoing surveys for special-status species were performed. No special-status species were observed.
2. The CPUC EM did not conduct monitoring along Old Redwood Highway or the Fulton No. 1 line during the week.

Notices to Proceed (NTPs)

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

Table 1
Notice to Proceeds (NTPs)
(Updated 10/12/17)

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 10/12/17)

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.

PROJECT PHOTOS



Figure 1 – Perimeter wall panels installed on east side of substation – view northwest, October 5, 2017.



Figure 2 – Perimeter wall panels installed on north side of substation – view east, October 5, 2017.



Figure 3 – Conduit trenching on east side of substation outside perimeter wall – view southeast, October 5, 2017.



Figure 4 – Backfilling and compacting fill along east side of SPCC pond – view south, October 5, 2017.