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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 25, 2017
Subject: Monitoring Report #37 – October 9, 2017 to October 22, 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 19.

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:

No work was conducted the week of October 9 – 15, 2017 due to the wildfires in the area. Construction resumed on October 17, 2017 at the substation.

Conduit trenches for the distribution line were excavated, conduit installed to pull boxes, and the trenches backfilled on the eastern perimeter (see Figure 1).

Deliveries of base rock and sand occurred for the build-up of the substation pad to grade and for around the SPCC pond (see Figure 2).

Crews backfilled and compacted engineered fill around the SPCC pond (see Figure 3).

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 19, crews were excavating conduit trenches on east side, backfilling and compacting engineered fill along the east side of the SPCC pond, and installing the switches and insulators on the dead-end structures. Crews were also preparing for rain by implementing BMPs (i.e. covering spoil piles with plastic and installing gravel bags around the base).

Environmental Compliance:

1. PG&E's Environmental Inspector (EI), conducted an inspection and monitoring on October 18. Several branches of the coast live oak on the west perimeter fence line were trimmed to allow equipment to drive on the west side of the SPCC pond, expediting backfill. Ongoing surveys for special-status species were performed. No special-status species were observed.

2. PG&E's SWPPP contractor, Steve Stetson of Aetna, conducted inspections on October 17, 19, and 20. No issues were identified. In advance of rain occurring on October 19, wattles and gravel bags were in place along the north perimeter of the substation site and around drain inlets, and remaining spoil piles were covered (see Figure 5).

3. 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:

No work occurred along Old Redwood Highway or the Fulton No. 1 line during the subject weeks.

Environmental Compliance:

1. The PG&E EI conducted an inspection along the reconductoring alignment at key pole locations on October 18. Along Old Redwood Highway, the PG&E EI checked BMPs adjacent to the new poles at the underground crossing of the Highway, and at Poles a7 and a8 in the Kerry Preserve along the Fulton No. 1 line. All BMPs were in place at these locations. At Pole a10, adjacent to the vernal pool on Wilcox Road, the PG&E EI reinstalled the straw wattle and gravel bags around the pole. Cattle are in the field at that location. 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 subject weeks since no construction activities were occurring.

Notices to Proceed (NTPs)

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

Table 1
Notice to Proceeds (NTPs)
(Updated 10/25/17)

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 10/25/17)

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	2/1717	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 – Conduit trenching on east side of substation – view south, October 19, 2017.

Figure 2 – Delivery of base rock and sand – view south, October 19, 2017.

Figure 3 – Backfilling and compacting fill around SPCC pond – view south, October 19, 2017.

Figure 4 – Installing switches and insulators on dead-end structures – view east, October 19, 2017.

Figure 5 – Additional BMPs installed along northern perimeter and around drainage inlets – view west, October 19, 2017.