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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 7, 2017
Subject: Monitoring Report #31 – August 28, 2017 to September 3, 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 30.

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.

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 excavating and the installation of rebar for footings and pouring concrete. Excavated soil was hauled off site.

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 August 30, cement was being poured in the SPCC pond (16 large cement trucks, 144 yards), a crew was excavating trenches for conduit, 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 - 3).

Environmental Compliance:

1. PG&E's Environmental Inspector (EI), conducted an inspection and monitoring on August 30. Ongoing surveys for special-status species and nesting birds were 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:

Throughout the week, crews removed old poles and set new poles along Old Redwood Highway. Replacement poles have been staged at the remaining pole locations along Old Redwood Highway, and the crew will continue to work south.

At the time of the CPUC EM site visit on August 30, a crew was using a bucket truck to work on the line at new pole b4 on the west side of Old Redwood Highway and intersection of Redwood Court. Crews were installing the 12 kV riser cable jumper between the 12 kV line and switch (see Figures 4 and 5).

Environmental Compliance:

- The PG&E EI conducted nesting bird surveys along Old Redwood Highway on August 30, 2017. No nests were found and no special-status wildlife, including bats, western pond turtle, and badger, were observed.
- The CPUC EM noted that the work was in compliance with mitigation measures, Applicant Proposed Measures, and other permit requirements.

Notices to Proceed

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

Table 1
Notice to Proceeds (NTPs)
(Updated 9/07/17)

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.

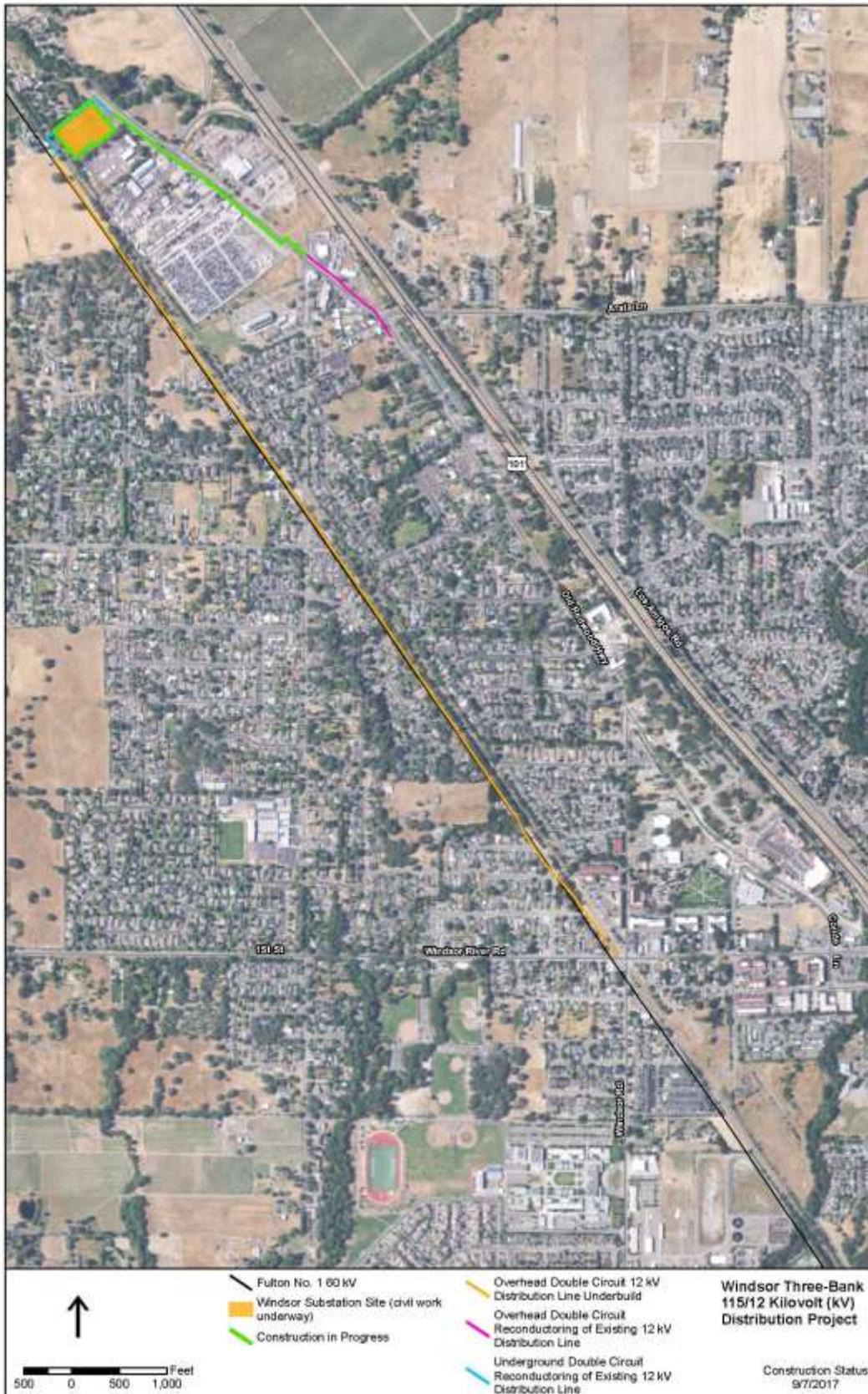
Minor Project Changes (MPCs)

Table 2 summarizes the Minor Project Changes (MPCs) submitted for the Windsor Substation Project. A Data Request was sent to PG&E on August 16, 2017 regarding MPC #10 and a response was submitted to CPUC on August 28; additional questions were provided to PG&E August 31.

Table 2
Minor Project Changes (MPCs)
 (Updated 9/07/17)

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	8/15/17	UNDER REVIEW	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 – Pouring cement in the SPCC ponds on west side of site – view southeast, August 30, 2017.



Figure 2 – Pouring cement in the SPCC ponds on west side of site – view south, August 30, 2017.



Figure 3 - Excavating trenches for conduit to pull boxes set on northern perimeter – view northwest, August 30, 2017.



Figure 4 – Pole b4 replaced on west side of Old Redwood Highway – view south, August 30, 2017.



Figure 5 – Crews working on 12 kV riser cable jumper at Pole b4 – view southeast, August 30, 2017.