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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 20, 2017
Subject: Monitoring Report #33 – September 11, 2017 to September 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 September 14.

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 installation of rebar and wall panel forms, pouring concrete walls, and excavation at the southern end. Excavated spoils were 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 September 14, crews were backfilling conduit trenches, cement slurry was poured into the wall panel forms in the SPCC pond, 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).

Environmental Compliance:

1. PG&E's Environmental Inspector (EI), conducted an inspection and monitoring on September 11, 12, and 13. Ongoing surveys for special-status species and nesting birds were performed. No special-status species or nesting birds were observed.
2. Steve Stetson (AHTNA) conducted SWPPP inspections on September 13 and 14. No new deficiencies were observed. The perimeter wattles along the northern fence line noted to be deficient in last

week's report have been ordered and will be installed the week of September 18.

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 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:

On September 12, a crew attempted to dig holes for poles a7 and a8 in the Kerry Preserve by hand; however, very hard dry soil was encountered and a track-mounted auger was brought in the following day. The approved access route along the north side of the preserve was used to reach the right-of-way, and then the auger proceeded southward into the Preserve to each of the two pole locations.

At the time of the CPUC EM's site visit on September 14, no crews were working. The new holes in the Kerry Preserve had been augered the previous day (see Figures 4 and 5).

Environmental Compliance:

4. The PG&E EI conducted nesting bird surveys along the railroad right-of-way on September 11, 12, and 13. No nests were found and no special-status wildlife, including bats, western pond turtle, and badger, were observed.
5. The PG&E EI was present during all activities in the Kerry Preserve. All vernal pools were avoided, the holes secured with plywood covers and dirt around the edges, and excavated soil was surrounded with wattles and covered with plastic.
6. The CPUC EM noted that the sites were neat and clean. All BMPs were in place and functioning well. The excavations were fully covered.

Notices to Proceed

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

Table 1
Notice to Proceeds (NTPs)
(Updated 9/20/17)

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.

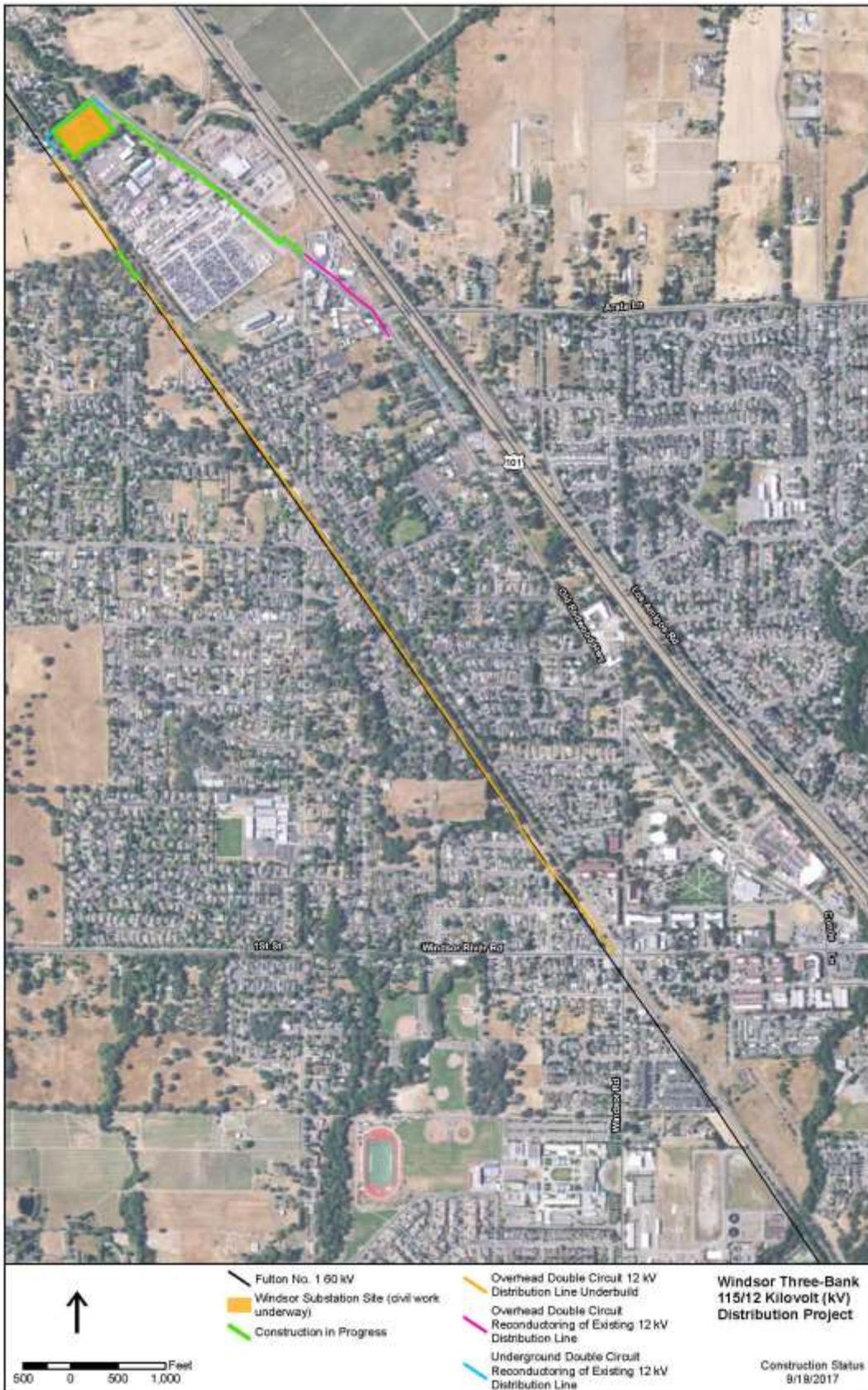
Minor Project Changes (MPCs)

Table 2 summarizes the Minor Project Changes (MPCs) submitted for the Windsor Substation Project. MPC #10, revised, was submitted by PG&E on September 11, 2017 and approved by CPUC on September 12.

Table 2
Minor Project Changes (MPCs)
 (Updated 9/20/17)

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 REVISIED	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 – Backfilling conduit trenches – view north, September 14, 2017.



Figure 2 – Pouring cement slurry in wall panel forms in the SPCC ponds – view north, September 14, 2017.



Figure 3 – Installing switches and insulators on dead-end structures – view northeast, September 14, 2017.



Figure 4 – Hole for Pole a7 excavated and spoils covered – view north, September 14, 2017.



Figure 5 – Hole for Pole a8 excavated and spoils covered – view south, September 14, 2017.