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PROJECT MEMORANDUM
PG&E WINDSOR SUBSTATION PROJECT

To: Eric Chiang, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: May 4, 2017
Subject: Monitoring Report #13 – April 24, 2017 to April 30, 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 April 26 and 28.

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. 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.

Summary of Activity:

Construction activities during the subject week included pumping water, delivery of base rock, spreading and compacting base rock, equipment delivery, switchgear foundation excavation, and dust control. Additionally, the plastic lining was removed from the stormwater ponds on the west side of the site.

At the time of the CPUC EM's site visit on April 26, base rock was being delivered, spread, and compacted (see Figures 1 and 3). Also, the plastic lining was being removed from the stormwater ponds on the west side of the site so that they could dry out (see Figure 2). At the time of the CPUC EM's site visit on April 28, crews were excavating for the switchgear foundation towards the northwest corner of the site and base rock was being delivered, spread and compacted (see Figures 4 – 6).

Environmental Compliance:

1. PG&E's Environmental Inspector (EI), conducted inspections and nesting bird monitoring April 24 through 28. BMPs, stormwater ponds, and wetland areas were checked while inspecting the site. Ongoing surveys for special-status species and nesting birds were also performed. No special-status species were observed.
 - Numerous juvenile chorus frogs found under fabric and around stockpiles and fiber rolls were relocated from the work area to the wetland along the west fence. Chorus frog tadpoles were also rescued from the muddy bottom of the stormwater pond and relocated to the drainage in the wetland area. No compliance issues were noted.

- The four active bird nests, which included an Eurasian dove nest on the south side of the site, a mockingbird nest and a bushtit nest on the north side of the site, and a western scrub jay nest in the northwest corner of the site, were monitored. The Eurasian collared doves have nestlings and the other three nests are presumed to be in the incubation stage. No disturbance from construction activity was observed.
 - Since construction activities are underway, PG&E is implementing the following requirements for nesting birds under MM B-4: “Non-special status species found building nests within the standard buffer zone *after specific project activities begin*, shall be assumed tolerant of that specific project activity and such nests will be protected by the maximum buffer practicable (as determined by the qualified biologist). However, these nests shall be monitored on a daily basis by a qualified biologist until the qualified biologist has determined that the young have fledged, are no longer dependent upon parental care, or construction ends within the buffer zone (whichever occurs first). If the qualified biologist determines that the nesting bird(s) are not tolerant of project activity, the standard buffer shall be implemented.”
2. SWPPP inspections by AHTNA were performed April 25, 26 and 27. No issues were identified.
 3. On April 26 and 28, 2017, the CPUC EM observed 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. Traffic control signs were setup along Old Redwood Highway near the substation entrance and exit. The site was in compliance with MMs, 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 approved by CPUC on March 30, 2017. No work under NTP #2 occurred during the subject period.

Notices to Proceed

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

Table 1
Notice to Proceeds (NTPs)
(Updated 5/04/17)

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.

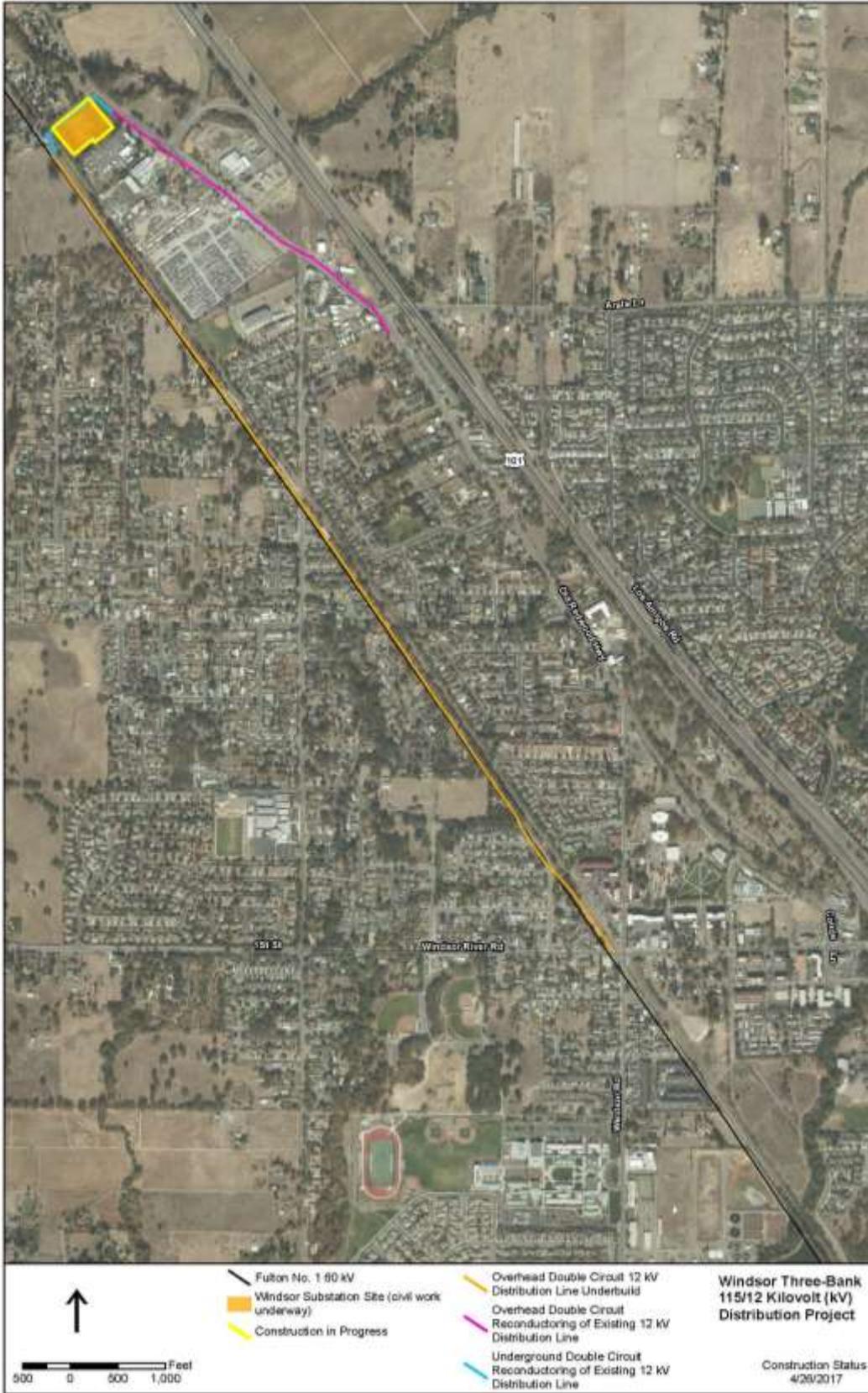
Minor Project Changes

Table 2 summarizes the Minor Project Changes submitted for the Windsor Substation Project.

Table 2
Minor Project Changes (MPCs)
 (Updated 5/04/17)

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.

EXHIBIT A – CONSTRUCTION STATUS



PROJECT PHOTOS



Figure 1 – Base rock being delivered, spread, and compacted at substation site – view northwest, April 26, 2017.



Figure 2 – Removing plastic lining from stormwater ponds at substation site – view southwest, April 26, 2017.



Figure 3 – Base rock delivery at substation site – view east, April 26, 2017.



Figure 4 – Spreading and compacting base rock at substation site – view northwest, April 28, 2017.



Figure 5 – Excavating for switchgear foundation at substation site – view southwest, April 28, 2017.



Figure 6 – Deliver of base rock at substation site – view southeast, April 28, 2017.