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PROJECT MEMORANDUM
PG&E WINDSOR SUBSTATION PROJECT

To: Eric Chiang, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: June 15, 2017
Subject: Monitoring Report #19 – June 5, 2017 to June 11, 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 June 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. 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 backup in April 2017.

Summary of Activity:

Construction activities during the subject week included continuing to build the substation pad with the delivery of base rock, spreading and compaction of base rock, and Kleinfelder performing compaction testing. A water truck was used for dust control and to facilitate compaction. The Baker tank was moved to a new location in the yard.

Foundation work continued and included excavating, installing forms, installing rebar, pouring cement slurry, and stripping forms. The locations for the perimeter wall foundation were laid out, holes were augured, forms were set, and concrete poured. When not completed the same day, 2x8 ramps were placed in each excavation to avoid wildlife entrapment and the excavation was surrounded by orange construction fencing.

Pier foundation holes were drilled and groundwater was pumped through a filter bag and spread in the middle of the yard, a minimum of 100 feet from the wetlands. Concrete was poured for the pier foundations, and Kleinfelder performed concrete testing and monitored drilling. All holes not poured with concrete were covered at the end of the day with plywood and surrounded by sandbags to prevent wildlife entrapment.

PG&E delivered and set up two office and supply trailers at the east perimeter.

At the time of the CPUC EM's site visit on June 5, crews were excavating for a pull box, conducting foundation work and pouring cement, and watering for dust control (see Figures 1 through 4).

Environmental Compliance:

1. PG&E's Environmental Inspectors (EIs), conducted inspections and nesting bird monitoring June 5 – 9. 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.
 - The bird nests around the perimeter of the site were monitored each day that construction activities occurred. The Eurasian collared dove chicks had fledged from the nest and the adults continued to feed them along the south fence line. The nest buffer was removed. The California scrub jay nestlings are present in the nest along the west perimeter fence and are being fed by adults. All work was conducted a minimum of 50 feet from the scrub jay nest and the birds were monitored daily to confirm they are not disturbed by construction activities.
 - 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. On June 6, 2017, the Hotline crew found the water truck to be leaking transmission fluid and they contained it and notified the PG&E Inspector. Approximately 4 ounces of leaked fluid was cleaned up.
3. On June 5, 2017, the CPUC EM noted that the silt fence on the south perimeter that had been ripped and pushed down in one location, and where base rock had been pushing up against the silt fence in another location were fixed.
4. 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 approved by CPUC on March 30, 2017. No work under NTP #2 occurred during the subject period. Work is expected to begin along Old Redwood Highway the beginning of July.

Environmental Compliance:

PG&E's Environmental Inspector (EI) performed a nesting bird survey along Old Redwood Highway in support of upcoming reconductoring work. One California towhee nest with at least three nestlings was located near Pole b3 in a landscaped strip between Old Redwood Highway and the Park and Ride lot south of the substation. The red-tailed hawk nest on the west side of Old Redwood Highway south of Arata Lane was observed, and is presumed to not be in use as no hawks were observed using it.

Notices to Proceed

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

Table 1
Notice to Proceeds (NTPs)
 (Updated 6/15/17)

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)

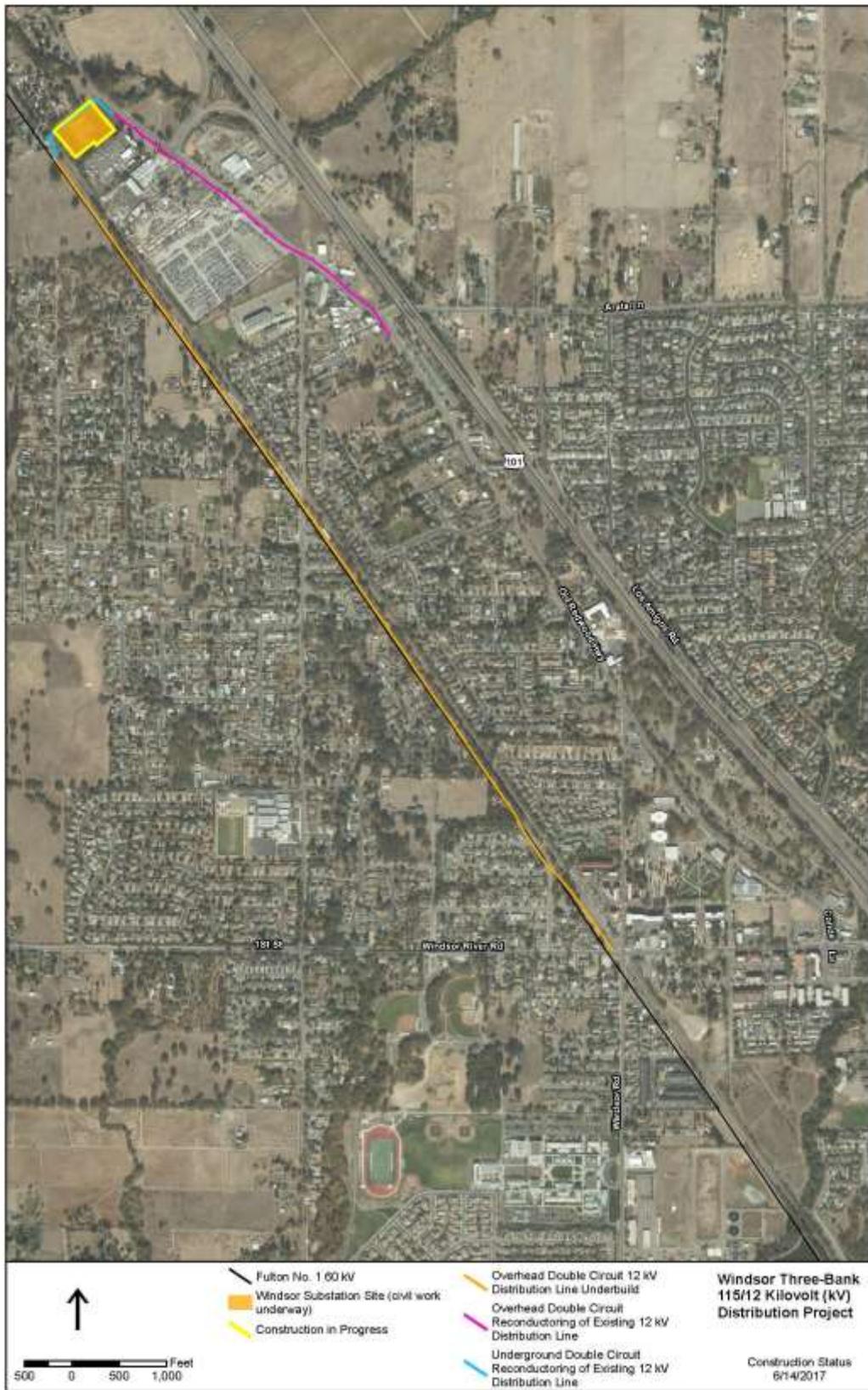
On June 5, 2017, an MPC for reconfiguration of the distribution line crossing of Old Redwood Highway and pole changes was submitted. Table 2 summarizes the Minor Project Changes submitted for the Windsor Substation Project.

Table 2
Minor Project Changes (MPCs)
 (Updated 6/15/17)

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 #	Date Requested	Date Issued	Phase	Description
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	UNDER REVIEW	Reconducting & 12 kV Line Underbuild	Reconfiguration of distribution line crossing of Old Redwood Highway and pole changes.

EXHIBIT A – CONSTRUCTION STATUS



PROJECT PHOTOS



Figure 1 – Work at substation site – view northwest, June 5, 2017.



Figure 2 – Switchgear foundation in northwest area of substation site – view south, June 5, 2017.



Figure 3 – Foundation work on west side of substation site – view east, June 5, 2017.



Figure 4 – Foundation work on the southwest side of substation site – view north, June 5, 2017.