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PROJECT MEMORANDUM
PG&E WINDSOR SUBSTATION PROJECT

To: Eric Chiang, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: July 9, 2017
Subject: Monitoring Report #22 – June 26, 2017 to July 2, 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 26.

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.

Foundation work continued for the perimeter wall piers and included excavating and drilling; installing forms, rebar cages and I-beams; pouring cement slurry; and stripping forms (see Figure 1). Kleinfelder monitored drilling and took concrete samples. Groundwater encountered during drilling was pumped into the water buffalo and then the Baker tank. In order to increase the work area for the perimeter wall, the silt fence along the south and west perimeters was relocated under the supervision of the PG&E Environmental Inspector (EI) so as not to impact any wetlands (see Figures 2 and 3).

Conduit trenches were excavated, conduit installed, and trenches backfilled and compacted.

The assembly of the transformer continued and a tanker truck delivered mineral oil and filled the transformer (see Figure 4). Crews also worked inside the switchgear building.

At the time of the CPUC EM's site visit on June 26, crews were conducting foundation work, excavating, drilling holes for perimeter wall, working on the transformer, and working in switchgear building.

Environmental Compliance:

1. PG&E's Environmental Inspectors (EIs), conducted inspections and nesting bird monitoring June 26–30. 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 scrub jay fledglings are no longer present in the nest vicinity or near the work area. No new active nests have been observed.

2. On June 26, a small spill occurred from a hydraulic leak when trenching the new silt fence. The contaminated soil was promptly removed and properly disposed of.

3. 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 beginning of July.

Environmental Compliance:

No environmental monitoring was conducted during the subject week.

Notices to Proceed

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

Table 1
Notice to Proceeds (NTPs)
(Updated 7/09/17)

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 submitted for the Windsor Substation Project.

Table 2
Minor Project Changes (MPCs)
(Updated 7/09/17)

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 #	Date Requested	Date Issued	Phase	Description
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.

EXHIBIT A – CONSTRUCTION STATUS

PROJECT PHOTOS

Figure 1 – Drilling foundation holes for perimeter wall piers on north side of substation – view northeast, June 26, 2017.

Figure 2 – Relocation of silt fence in northwest corner of substation site – view south, June 26, 2017.

Figure 3 – Relocation of silt fence on south side of substation site – view west, June 26, 2017.

Figure 4 – Assembly of transformer – view southwest, June 26, 2017.