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PROJECT MEMORANDUM
PG&E WINDSOR SUBSTATION PROJECT

To: Eric Chiang, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: November 29, 2017
Subject: Monitoring Report #40 – November 6, 2017 to November 19, 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 November 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:

Week of November 6 – 12

Crews worked at the Windsor Substation site Monday through Thursday, and took Friday off for the Veterans Day holiday.

Grading work was conducted during the week and included continued work spreading and compacting base rock at the south perimeter of the pad, grading of the north perimeter between the substation wall and construction fencing, grading the north road within the substation, and grading along the east wall of the SPCC pond for apron installation.

Activities associated with the SPCC pond included the last concrete pour for the pond walls on Monday, November 6, and trenching of the outflow pipe to connect with the drain inlet at the north fence line.

Substation wall panels were installed along the north and east perimeters, completing the substation wall.

Week of November 13-19

Crews worked at the Windsor Substation site Monday through Friday.

Crews worked on excavating a trench, installing a corrugated drain pipe from the SPCC pond to the drain inlet at the northern fence line, and backfilling the trench (see Figure 1).

Pull box excavation and conduit trenching occurred on the east side of the SPCC pond (see Figure 2). Excavated soil was off-hauled. The SPCC pond accumulated approximately 10 inches of rain water (see Figure 3)

At the time of the CPUC EM's site visit on November 14, crews were excavating a trench for the drainage pipe connection in the northwest corner of the substation site, prepping to install pull boxes on the east side of the SPCC pond, and conduit trenching from the HDD bore exit to the boxes.

Environmental Compliance:

1. PG&E's Environmental Inspector (EI), conducted an inspection and monitoring on November 7 and 14. Ongoing surveys for special-status species were performed. No special-status species were observed.
2. SWPPP inspections were performed by Steve Stetson on November 6, 8, 9, 13, 15, 16, and 17.
 - On November 9, the following items were identified: an uncovered dumpster at the distribution laydown yard on Windsor Road, and un-staked port-a-potty at the substation, and the need for additional sediment barriers at the substation north wall. To address stormwater flow at the north wall, crews placed felt fabric on the inside of the wall's outflow point, and additional wattles on the outside of the wall. Completion of the V-ditch within the substation yard will correct the direction of stormwater flow in this location.
 - On November 15 and 17, it was identified that additional BMPs needed to be installed on the north and east sides of the substation site in areas of exposed soil.
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 that were not active were covered with plastic and surrounded by fiber rolls. Drainage inlets were protected with fiber rolls and gravel bags. Traffic control signs were setup along Old Redwood Highway near the substation entrance and exit. Track out was being cleaned up as necessary. 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. Work along the Fulton No. 1 line began on September 12, 2017.

Summary of Activity:

Week of November 6-12

No work occurred along Old Redwood Highway or the Fulton No. 1 line during the subject week.

Week of November 13-19

On November 14, line crews worked at the transition poles on Old Redwood Highway just north of Starr Road installing cable from the transition poles to underground conduit that was previously installed (see Figure 4). No work occurred along the Fulton No. 1 line during the subject week.

At the time of the CPUC EMs site visit on November 14, crews were working on the transition pole on the east side of Old Redwood Highway.

Environmental Compliance:

1. The PG&E EI did not conduct an inspection along Old Redwood Highway or the Fulton No. 1 line during the week of November 6-12 since no construction activities were occurring.
2. The PG&E EI conducted an inspection on November 14 along the Fulton No. 1 alignment to check BMPs. The fiber roll around Pole a10 (Wilcox Road) had been removed. The PG&E EI re-positioned the gravel bags to contain any movement of soil from the base of the pole. Between the rain that had occurred and trampling of the area by cattle, most of the soil at the base of the pole had settled. BMPs remained in place at Poles a7, a8 (in the Kerry Preserve), and at the HDD bore site on the Drew property.
3. The CPUC EM conducted monitoring of the work on Old Redwood Highway on November 14. The work was in compliance with mitigation measures, Applicant Proposed Measures, and other permit requirements. No monitoring was conducted along the Fulton No. 1 line during the subject weeks since no construction activities were occurring.

Notices to Proceed (NTPs)

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

Table 1
Notice to Proceeds (NTPs)

(Updated 11/29/17)

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.

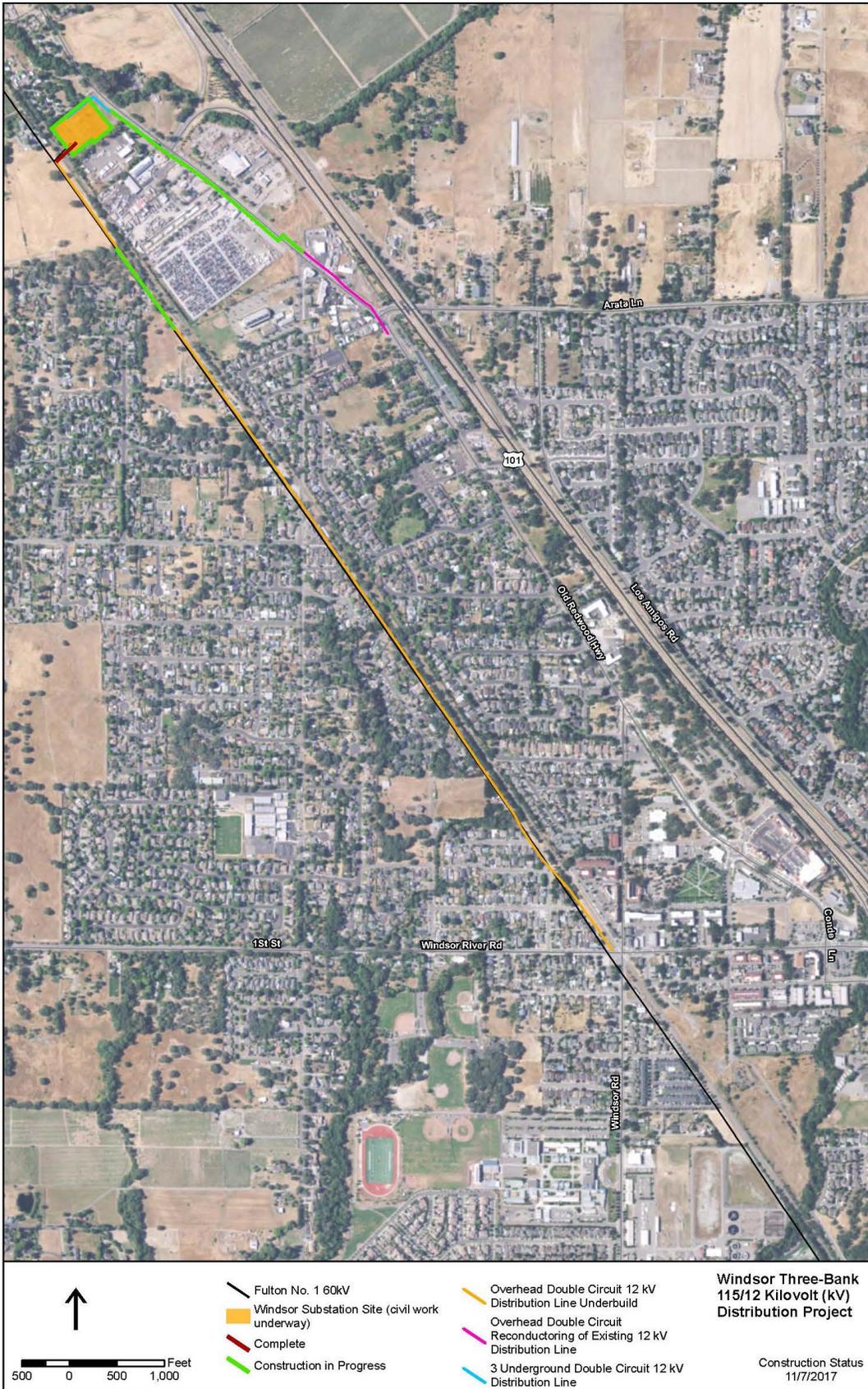
Table 2
Minor Project Changes (MPCs)

(Updated 11/29/17)

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 #	Date Requested	Date Issued	Phase	Description
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 REVISED	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 – Excavating trench for drainage pipe in northwest corner of substation site – view west, November 14, 2017.



Figure 2 – Pull box and conduit trenching on east side of SPCC pond – view northwest, November 14, 2017.



Figure 3 – SPCC pond with accumulated rainwater – view south, November 14, 2017.



Figure 4 – Line crews working at transition poles on Old Redwood Highway -view southeast, November 14, 2017.