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**PROJECT MEMORANDUM
DELTA DPA CAPACITY INCREASE SUBSTATION PROJECT**

To: Junaid Rahman, CPUC
From: Vida Strong, Aspen Project Manager
Date: October 1, 2008
Subject: Report #33: July 27, 2008 – September 27, 2008

CPUC ENVIRONMENTAL MONITOR (EM): Jody Fessler

CPUC EM Jody Fessler was on site Thursday, September 18th.

SUBSTATION SITE:

Summary of Activity:

Phase I of the Delta DPA Capacity Increase Substation Project was energized June 9th.

During the week of July 27th through August 2nd, construction operations were confined to the substation workspace and the project access road. PG&E crews continued construction of the Phase 2 and Phase 3 buswork and wiring. Crews erected and braced structural steel, installed components and bus tubing, and strung conductors from the dead-end structures. Control cables were laid in the trench trays and the installation of the new breakers continued. North American Substation Specialists crews prepared the newly delivered Transformer 2 for installation. Their work consisted of installation of components on the transformer, pressure-testing its internal tank, drying the tank by applying a vacuum, and filling the tank with oil. D/C Construction crews built a foundation for a microwave tower and to relocate one of the buswork piers. They drilled the excavations, constructed forms and set the rebar cages and anchor bolts.

During the month of August, PG&E crews continued construction of the Phase 2 and Phase 3 buswork and wiring. Crews installed bus tubing and strung conductors to the new breakers. Crews also installed yard lamps and a microwave communications dish. The Emmett's Valley crew removed their remaining equipment from the site (except for a paving roller) at the beginning of the month. Work was confined to the substation workspace and the project access road. Minor maintenance of the wildlife exclusion fence was conducted under the direction of a PG&E Environmental Inspector.

During the month of September, PG&E crews completed construction of the Phase 2 and Phase 3 buswork. Crews began to clean up materials and demobilize materials and equipment from the site, preparing the substation for unmanned operation (see Figures 1, 2, and 3). During the fourth week of September, the Emmett's Valley crew returned to conduct the finish grading inside the station site and ensure that runoff will be directed to the SPCC pond. They added imported gravel as necessary and will soon pave the main travel route through the station. Work was confined to the substation workspace and project access road. Minor maintenance of the wildlife exclusion fence was conducted under the direction of a PG&E Environmental Inspector.

ACCESS ROAD:

Summary of Activity:

The access road was watered several times a day for dust control. Crews were reminded to keep speed limits to 15 mph and notify the PG&E Environmental Inspector (EI) if snakes were observed on the road.



STAGING AREAS:

Summary of Activity:

The staging yard/laydown yard on the north side of Sand Creek was used to store some materials for the bridge over Sand Creek. Rolled wattles, silt fencing and wildlife exclusion fencing are still installed around the staging yard. The area is sometimes used to park vehicles and trailers.

BRIDGE OVER SAND CREEK:

Summary of Activity:

During the third week of September, a crew from Iron Industries (subcontracted to D/C Construction) conducted the guard rail installation (see Figure 4). Most of the work was done in the staging area adjacent to the bridge and involved staging materials and pre-drilling components in preparation for installation. The pre-drilled pieces were staged on the bridge, assembled, and installed on one side, and then the other. Flaggers controlled traffic over the bridge to ensure safety of the workers. A portable generator that provided power for drills and impact wrenches was kept on the roadway back from the creek bank in the event of a spill or failure. The generator operated without incident, though spill response materials were available if needed. Fuel cans were stored in the bed of a pickup in the staging area. Activity was confined to the bridge, access road and staging area. No components, tools, or hardware were dropped from the bridge into the drainage below during the course of the work. When finished, the crew swept the bridge with a magnet to remove drill shavings.

Environmental Compliance:

Since the construction of the landscape berms has been completed and most of the work within the substation is confined within the chain-link fence, the CPUC and USFWS agreed to a reduced environmental inspection schedule. Starting August 1st, construction monitoring and inspection was reduced to a part-time, bi-weekly basis. The reduced monitoring and inspection includes checking the substation area for wildlife activity and leaking equipment prior to the start of operations, checking the areas outside the chain-link fence, including the access road and perimeter, the bridge area, and the nearby staging area. A full-time monitor/inspector will be onsite for work outside of the fenced substation, such as landscaping of the berms, removal of line poles, connection of the 230 kV line into the substation, and work on the access road bridge.

On Wednesday, September 17th, the PG&E EI discovered a dead gopher snake on the east side of the substation site that appeared to have been run over by a vehicle. The snakes' presence at this stage in the construction of the substation was unexpected given the barriers presented by the wildlife exclusion fence, the landscape berms, and the substation fencing. PG&E crews were reminded to be watchful for wildlife, especially for snakes in the cool fall mornings that are likely to be slow and lethargic.

On September 29th, the CPUC EM was notified by the PG&E EI, Carley Sweet of TRC, that an internal non-compliance was being written up for the removal of electric poles the week before. This work was to be done under the supervision of a PG&E EI, but was not. No resources were noted as being harmed.

The CPUC EM observed that all work activities were in compliance with the approved Mitigated Negative Declaration and other permit requirements. Erosion controls were in place at all of the work areas. Heavy equipment was parked overnight in a designated area within the substation boundaries. Watering of the work area and access road for dust control has been conducted several times daily as needed. The CPUC EM reviewed PG&E EI daily reports and survey reports. Environmental training of crew personnel was on-going as new crew personnel came onto the site.

NOTICES TO PROCEED (NTP):

On August 30, 2007, NTP #1 was issued by the CPUC for the PG&E Delta DPA Project. On August 29, 2007, PG&E requested authorization from the CPUC to commence with the civil/structural construction of the PG&E Delta DPA Capacity Increase Substation Project. The Project includes a proposed electric

substation site, a new loop segment of an existing 230 kV transmission line, a temporary asphalt road, and a temporary bridge over Sand Creek in eastern Contra Costa County, within the limits of the City of Antioch, California. PG&E requested that NTP #1 include all construction activities related to the access road, bridge, substation, and transmission tower, as well as an extra staging area and a variance to Mitigation Measure CR-1. No additional NTPs are anticipated for the project.

VARIANCE REQUESTS:

No Variance Requests were submitted for review during the subject week. Table 1 presents the Variance Requests reviewed and approved by the CPUC for the PG&E Delta DPA Project to date.

TABLE 1
VARIANCE REQUESTS
(Updated 10-01-08)

| Variance # | Date Requested | Date Issued | Description |
|------------|----------------|-------------|--|
| #1 | 7-26-07 | 8-30-07 | Request to modify Mitigation Measure CR-1, which requires a 10-foot fenced protective buffer for the site boundary of CA-CCo-682H fronting on the improved access road for the Project. Approved under NTP #1. |
| #2 | 8-29-07 | 8-30-07 | Request for a new laydown area south of the proposed access road as it veers southwest towards Sand Creek. Approved under NTP #1. |
| #3 | 10-17-07 | 10-17-07 | Request to encroach 5 feet into the cultural buffer zone for the movement of equipment. |
| #4 | 10-30-07 | 10-30-07 | Request to extend Sand Creek bridge work until November 3 and road work until November 9 (installation of wildlife exclusion fencing along road) as approved by USFWS. USFWS issuing amended BO that will allow work on access road throughout the winter. |

SUMMARY OF ENVIRONMENTAL COMPLIANCE:

One Project Memorandum has been issued by the CPUC EM for the project to date. On October 17, 2007, the CPUC EM issued a Project Memorandum for the encroachment of equipment into the cultural buffer zone near the northern bridge foundation on October 15th.

No Non-Compliance Reports (NCR) have been issued by the CPUC EM for the project to date.

PHOTOGRAPHS



Figure 1 – View of the substation site looking southwest, September 18, 2008.



Figure 2 – View of substation site looking northwest, September 18, 2008.



Figure 3 – Landscape berm around northeast corner of substation, September 18, 2008.



Figure 4 – New guard rail installed on bridge over Sand Creek, September 18, 2008.