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**PROJECT MEMORANDUM
SDG&E'S SUNRISE POWERLINK PROJECT**

To: Billie Blanchard, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: March 14, 2011
Subject: Weekly Reports 24 – February 27 to March 5, 2011

INTRODUCTION

This report provides a summary of the construction and compliance activities associated with the SDG&E Sunrise Powerlink Project. This report is organized as follows:

- Transmission Line Construction
- Substation Construction and Upgrades
- Construction Yards and Other Workspaces

A summary of the Notices to Proceed with construction and Variance Request activity are also provided (see Tables 1 and 2, respectively, near the end of this report). Finally, a summary of Temporary Extra Workspace and non-compliance activity are provided in Tables 3 and 4, respectively.

CPUC/Aspen Environmental Monitors (EM): Cassandra Garza, Brian Woodward and Valerie Yep

TRANSMISSION LINE CONSTRUCTION

Summary of Activity:

1. Link 1, 500 kV Overhead Transmission Line:

- Conventional foundation drilling and concrete pouring was conducted at EP 217-1, EP 218-1, EP 219-1, EP 243, EP 244, EP 215, EP 210, EP 211, EP 213, and EP 214 (see Figures 1 and 2).
- Micropile work was performed at EP 221-2, EP 221-A, EP 223-1, EP 224-1, EP 225-1, EP 226-1, EP 227, EP 229-1, EP 230-1, EP 231-1, EP 231-A, EP235-1, and EP 238-1 (see Figure 3).
- Conventional structure assembly occurred at EP 217-1, EP 218-1, EP 200A-1, EP 201-3, EP 202-3, EP 203-3, EP 204-3, EP 205-2, EP 206-1, EP 207, EP 208, EP 209-1, and EP 210.
- Helicopter structure assembly was performed at EP 227, EP 228, EP 229-1, EP 230-1, EP 231-1, EP 232-1, EP 233-1, EP 234-1, EP 235-1, EP 236-1, EP 237-1, EP 238-1, EP 239-1, EP 244, EP 245-1, EP 246, EP 247, EP 248, EP 249, EP 250, EP 251, EP 194-2, EP 195-1, EP 197-2, and EP 199-3.
- Driveway installations occurred at Tower EP 236, EP 237-1 pull site, EP 243, EP 244, EP 245-1 thru EP 244.
- Access road improvements were conducted at EP 245-1 thru EP 244.
- 12 kV relocation continued on the West side of McCain Valley Road.
- The Desert Rose Ranch Road mobile home continues to be disassembled for relocation.

2. Link 2, 500 kV Overhead Transmission Line:

- A radio communications site was installed at Tower EP 87-1's Tower Staging and Access Pad (TSAP).
- Soil boring continued at EP 85-2.
- TSAP grading and structure clearing occurred at EP 79, EP 80, EP 81, and EP 87.
- Clearing was scheduled, but not started at CP 51-2, CP 45-1 and TSAPs, because of a traffic control permit required to take loads over a road by helicopter had not been obtained.



3. Link 4, 220 kV Underground Transmission Line:
 - Excavation continues at the exit pit to the Interstate 8 (I-8) jack-and-bore (north side of I-8) (see Figure 4).
 - Vaults V2L, V2R, and V8L were set (see Figure 5).
 - Bridge abutment excavation work continued for the Bauer Bridge.
 - Pot-holing was conducted along Alpine Boulevard from West Victoria to the west 700 feet; at 1850 Alpine Boulevard. just west of Tavern Road.
 - Excavation for ins-and-outs and trenching was conducted at the following: I-8 jack-and-bore exit pit, V2R, V7R, V8L, V9L, V13L, V16L, V17L, V18, and Alpine Boulevard at South Grade Road.
 - Drilling and saw-cutting was conducted at V2R, V5R, V7L, V9L, V11L, V12L, V13L, V19L and along Alpine Blvd. just west of Tavern Road. Crews mobilized at the south jck-and-bore site to begin boring.
 - On March 1, there were a dozen people protesting the Sunrise Powerlink Project in downtown Alpine across from the Shell Gas Station (see Figure 6).
4. Link 5, 220 kV Overhead Transmission Line:
 - BMP repair occurred at Tower CP 17, CP 25, CP 26 and CP 44 (see Figure 7).
 - Engineering crews conducted site inspections at CP 16 and CP 17.
 - Work was conducted on Tie Lines (TL) 6916 and 639. On TL 639 maintenance was performed on the access roads, one pole replaced and holes drilled for additional pole replacement.
5. Pre-Construction surveys were performed throughout Link 1, 2 and 5 with appropriate monitors.

Environmental Compliance:

1. Biological, Cultural, and Native American monitors were present as applicable during all transmission line construction activities.
2. Review of Link 1 was performed by SDGE representatives with State Water Resource Board representative and US Forest Service representatives.
3. Review of the Bauer Bridge was performed by State Water Resource Board representative and the CPUC Lead EM.
4. During grading activities near EP 244, Link 1, a San Diego Desert Woodrat (*Neotoma lepida*) was killed. No apparent midden was noted.
5. The SDG&E Link Lead was notified of a personal vehicle parking along McCain Valley Road outside of approved disturbance areas, Link 1.
6. Erosion repair and BMP maintenance occurred on access roads to EP 84 and EP 85-2, Link 2.
7. A small motor oil leak was discovered at the south jack-and-bore entrance pit on Link 4. It was immediately cleaned up. The leak was not in or near storm water, waterways or Environmentally Sensitive Areas (ESAs). Reporting was made to the Caltrans HazMat Manager.

No Non-Compliance Reports or Project Memoranda were issued during the subject period for Transmission Line Construction activities. Non-Compliance activities for the project to date are summarized in Table 4.

Agency Representatives during Construction (other than EMs):

- Cliff Harvey (State Water Resource Board)
- Brian Paul (USFS) and Forest Service Monitors.

SUBSTATION CONSTRUCTION AND UPGRADES

Summary of Activity:

1. Suncrest Substation: Drilling for blasting has occurred in three locations on the pad, while blasting has occurred on the eastern slope of the pad.
2. Imperial Valley Substation Upgrade: Approval to start work at 5:30 a.m. was received from Imperial County. Crews have been on site excavating for switch and breaker pads, as well as framing and installing rebar.
3. Construction of a retaining wall around 230 kV transformer occurred at the San Luis Rey Substation. Crews were finishing a 69 kV Tie Line and work within the control room.
4. Construction of a new control shelter, breaker pads, and potential transformer pads occurred at the Encina Substation (see Figure 8). A drilling crew was on site to drill for switch stands and dead ends.

Environmental Compliance:

1. All applicable Biological, Cultural, Paleontological, and Native American monitors have been present during ground disturbing activities at all substations.
2. Review of Suncrest Substation was performed by SDGE representatives with State Water Resource Board representatives and the CPUC Lead EM.
3. BMP maintenance and installation was conducted along the access road and pad site at the Suncrest Substation. Installation of temporary culverts in the road to divert groundwater was conducted. Bird nests were identified and buffers installed on the access road and on the pad.
4. A Biological Monitor has been at San Luis Rey Substation for all work, including monitoring the big horned owl nest and the approved buffer reduction area.

No Non-Compliance Reports or Project Memoranda were issued during the subject period for Substation Construction and Upgrade activities. Non-Compliance activities for the project to date are summarized in Table 4.

Agency Representatives during Construction (Other than CPUC EMs):

- Cliff Harvey (State Water Resource Board)

CONSTRUCTION YARDS AND OTHER WORKSPACES:

Summary of Activity:

1. Delivery of equipment, monopoles and wire reels continued at the Alpine Construction Yard. Construction of additional temporary offices commenced.
2. No ground disturbing activities were conducted at the Alpine Regional Field Office (Alpine RFO).
3. Steel deliveries continue to be made at the Rough Acres Construction Yard.
4. Equipment delivery continues to be made at Thomas Yard. Testing for fiber optics was performed. The SDG&E Link Lead monitored for any burrowing owls during activity on site.
5. Fence slat removal was completed at Jacumba Valley Ranch, due to helicopter safety. Driveway installation activities were performed. Fence was installed around the leach field. Staging for structure assembly and micro-piles was conducted. On March 1, emergency repair work was conducted on a damaged water pipe outside of normal construction hours.
6. The set-up of the Wilson Yard has been completed. The variance for the water supply pond and secondary entrance has been approved and work is scheduled.
7. Steel delivery and structure assembly occurred at the Helix Construction Yard.

8. A nest buffer reduction was granted for the access road to the Hartung Construction Yard; no activity occurred.
9. A field office was completed at the Bartlett-Hauser Construction Yard and a weed wash station was installed. Steel delivery and structure assembly continued.
10. There was minimal activity at the SWAT Construction Yard
11. Fencing and a weed wash station were set up at the Kruetzkamp Construction Yard.

Environmental Compliance:

1. Biological, Cultural, and Native American monitors have worked with crews at the construction yards to define approved work areas and sites to avoid.
2. Review of Rough Acres and JVR Construction Yards were performed by SDGE with the State Water Resource Board representative and US Forest Service representatives.
3. Review of Bartlett/Hauser Construction Yard was performed by the State Water Resource Board representative and the CPUC Lead EM.

No Non-Compliance Reports or Project Memorandums were issued during the subject period for Construction Yards and other workspace activities. Non-Compliance activities for the project to date are summarized in Table 4.

Agency Representatives during Construction (other than CPUC EMs):

- Cliff Harvey (State Water Resource Board)
- Brian Paul (USFS) and Forest Service Monitors.

CPUC NOTICES TO PROCEED (NTPs)

Table 1 summarizes the CPUC Notice to Proceed activity for the SDG&E Sunrise Powerlink Project through March 14.

TABLE 1
CPUC NTPs
(Updated 03/14/2011)

NTP#	Date Requested	Date Issued	Segment #	Description
#1	01/04/10	04/28/10	25	San Luis Rey Substation Upgrades
#2	02/08/10	04/29/10	23	South Bay Substation Upgrades
#3	02/26/10	05/20/10	Yard	Alpine Yard 18
#4	01/26/10	05/28/10	Yard	Alpine Yard 18A
#5	02/05/10	09/28/10	Yard	Rough Acres Yard, Phase 1
#6	05/26/10	09/28/10	24	Encina Substation Upgrades
#7	05/28/10	09/28/10	Telecomm	White Star Communication Facility
#8	06/09/10	10/06/10	Substation	Pomerado Substation Upgrades
#9	06/09/10	10/06/10	Substation	Scripps Switchyard/Substation Upgrades
#10	10/13/10	11/23/10	15	Link 4, Alpine 230 kV Underground Construction
#11	10/19/10	12/15/10	13	Link 3, Suncrest Substation/Wilson Construction Yard
#12	11/30/10	12/23/10	Yard	Rough Acres Yard, Phase 2
#13	11/09/10	01/14/11	2-18, 20-22	Links 1, 2, and 5, overhead construction on non-federal lands
BLM #1	01/19/11	02/03/11	1	Imperial Valley Substation upgrades.

VARIANCE & TEMPORARY EXTRA WORKSPACE REQUESTS

Variance and Temporary Extra Workspace (TEWS) requests submitted through March 14 are presented in Tables 2 and 3, respectively.

TABLE 2
VARIANCE REQUESTS
(Updated 03/14/2011)

Variance Request	Date Requested	Date Issued	Segment #	Description
#1	11/04/10	11/10/10	Yard	Thomas Yard (El Centro, CA)
#2	12/22/10	Under Review	Yard	Sycamore Estates Construction Yard. Response to inquiry received 02/23.
#3	01/06/10	01/18/11	All	Modification to tree trimming requirements.
#3 MOD	01/25/11	01/26/11	All	Modification to brush clearing requirements.
#4	01/13/11	03/01/11	Yard	Helicopter Temporary Landing Pad area at the Alpine Regional Field Offices.
#5	02/01/11	02/09/11	Yard	Site improvements at the Wilson Construction yard and along Bell Bluff Trail
#6	02/01/11	03/01/11	Link 5	Variance from Mitigation Measure H-1a (CC) to allow work outside of the dry season.
#7	02/11/11	02/17/11	Link 3	Additional work areas for construction trailers, parking, etc.
#8	03/02/11	03/08/11	Link 2	Alternate access route to Structure EP 27.

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 03/14/2011)

TEWS Request	Date Requested	Date Approved	Segment #	Description
TEWS #1	11/01/10	11/01/10	White Star	Asphalt paved area for vehicle parking and staging

NON-COMPLIANCES & INCIDENTS

Project Memorandum, Non-Compliance Reports, and other incidents that have occurred through March 14 are presented in Table 4.

TABLE 4
NON-COMPLIANCES (NC), PROJECT MEMORANDA (PM), AND OTHER INCIDENTS
(Updated 03/14/2011)

Type	Date	Location	Description
Incident	11/1/10	White Star	Delivery of a rebar cage outside of the approved disturbance area.
PM #1	12/7/10	Thomas Yard	Failure to report unanticipated biological resources within 48 hours.
PM #2	02/11/11	EP 242, Link 1	Unauthorized ground disturbance at EP 242
Incident	02/17/11	EP 244, Link 1	Nest incorrectly marked at entrance to EP 244.
Incident	02/18/11	Alpine HQ	Emergency weather landing and storage of 3 helicopters at Alpine HQ.
NC #1	03/08/11	Suncrest Substation	Army Corp of Engineers issued Non-Compliance for not complying with Special Conditions 19, 21 and 23 of DA Permit SPL-2007-00704-SAS.

PROJECT PHOTOGRAPHS



Figure 1: Foundation drilling at EP 219, Link 1.



Figure 2: Foundation pouring at EP 244, Link 1.



Figure 3: Micropile drilling at EP 225-1, Link 1.



Figure 4: North side of jack-and-bore work, Link 4.



Figure 5: Concrete being poured at Vault 2L, Link 4.



Figure 6: Approximately one dozen protestors on Alpine Boulevard, Link 4.



Figure 7: Repair of BMPs on access road to CP 44, Link 5.



Figure 8: Work activity at the Encina Substation.