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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 8, 2011
Subject: Weekly Reports 23 – February 20 to February 26, 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: Conventional foundations were drilled at EP 244, EP 218-1, 217-1, EP 215, EP 214, EP 213, EP 211, EP 210 and EP 219-1. Helicopter structure assembly was conducted at EP 230-1, EP 245-1, EP 44, EP 238-1, EP 237-1, EP 234-1, EP 233-1, EP 232-1, EP 231A, EP 227, EP 199-3, EP 194-2, EP 197-2, EP 195-1. Micropile drilling was conducted at EP 238-1, EP 235-1, EP 231A, EP 231-1, EP 229-1, EP 226-1, EP 224-1, EP 223-1, EP 221-A and EP 230-1. Conventional structure assembly was conducted at EP 206-1, EP 203-3, EP 200A, EP 205-2, EP 209-1, EP 204-3, EP 202-3, EP 201-3, EP 208, EP 207, EP 218-1, and EP 217-1. 12 kV relocation continued on the west side of McCain Valley Road. Work continues to deconstruct and relocate the Desert Rose Ranch Road mobile home.
2. Link 2: Installation of a radio communications site occurred at the EP 87-1 TSAP. Soil boring was conducted at EP 85-2 (see Figure 1).
3. Link 4: Excavation continues at the exit pit to the Interstate 8 (I-8) jack-and-bore (north side of I-8), and at Vaults 2L, 15L, 18L, 8L, 13L, 2L, and 9L. Potholing was conducted along Alpine Boulevard west of South Grade Road and from 1850 Alpine Boulevard west to Tavern Road. Drilling/saw cutting was conducted at Vaults 7L, 6R, 13L, 3R, 4R, 5R, 19L, 16L, and 7R. Trenching was conducted at Vaults 7, 15, 14, 18 and east of West Willows Road. Work continues on the Bauer Bridge.
4. Link 5: Installation of a radio communications site occurred at the CP 108 TSAP. Soil boring was conducted at CP 20. Access road rough grading occurred at CP 31-2. Conventional foundation installation occurred at CP 17-1.
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. Work was conducted inside of a red tailed hawk nest buffer to repair a BMP failure at EP 220, Link 1 (see Figure 2). A Biologist was on site to monitor the nest.
3. A small hydraulic fluid leak occurred at EP 235-1, Link 1. Both the Link and SWPPP monitor were notified. Visqueen was used to catch additional drips. The leak was fixed and the contaminated soil was placed in a trash bag and labeled as hazardous material for transport off site.
4. Erosion repair and BMP maintenance was conducted on access roads to EP 84 and EP 85-2, Link 2 (see Figure 3).
5. In Link 2, a precipitation event of 1.5 inches was recorded in a period of less than 24-hours, causing a breach of some BMPs. A post-storm inspection identified areas where BMP maintenance and improvement were required and initiated (see Figure 4).
6. BMPs in Link 4 were checked for any needed maintenance before expected rain.
7. BMPs at the Bauer Bridge and the adjacent creek have been adequate during the recent rains, Link 4 (see Figure 5).
8. Minor hydraulic fluid leaks on Link 4 were reported and were immediately contained, cleaned up and were not in storm water, waterways or ESAs. Reporting was made to the County of San Diego Storm Water Hotline.

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):

None.

SUBSTATION CONSTRUCTION AND UPGRADES**Summary of Activity:**

1. Suncrest Substation: Rough grading continues along the access road and pad. Blasting was conducted on the eastern and western slopes on the pad. Boulders were moved from the road to the pad. Variance for the water supply pond and secondary entrance has been approved and the work has been scheduled.
2. Imperial Valley Substation Upgrade: Foundation work continues for new 500 circuit breaker stands. Drilling was conducted for the piers (see Figure 6). Speed limit signage was installed along the access road into the substation (see Figure 7).
3. Excavation work continued at the San Luis Rey Substation. Work for the 69 kV line was completed on the south side of a new circuit breaker. Work was conducted on Sunday, February 20th, with approval from the City of Oceanside.
4. A new control shelter was started at the Encina Substation. New block work was being performed. Excavation for gas circuit breaker pads and switch stands occurred.

Environmental Compliance:

1. All applicable Biological, Cultural, Paleontological, and Native American monitors have been present during ground disturbing activities at all substations.

2. BMP installation maintenance was conducted at many areas within the Suncrest Substation, as needed.
3. On February 25, 2011, a small, silver-dollar sized piece of bone was discovered while grading near a cultural site at Suncrest Substation. Appropriate specialists have been contacted to help determine the origin of the bone fragment.
4. Bird netting has been installed on potential bird nesting habitat at Imperial Valley Substation (see Figure 8).
5. Discoveries of freshwater mollusks continue to be made at the Imperial Valley Substation. On February 22, 2011, a small sample was recovered from the excavated sediments by the Paleontologist. These paleontological discoveries were from the Lake Chuilla sediments. No work was stopped or diverted.

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):

None

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 and driveway improvements continue to be made at the Rough Acres Construction Yard.
4. No ground disturbing work being conducted at the Thomas Construction Yard; material delivery and storage continues. The Link Lead was onsite monitoring for burrowing owls. One tower has been constructed at this location for practice to trouble shoot and take notes on any manufacturer problems (see Figure 9).
5. Helicopter and structure assembly operations continued at the JVR Construction Yard. Yard set-up is complete and structure assembly is taking place. Modifications to the fence slatting are in progress.
6. The Helix Construction Yard access road was improved.
7. The occurrence of two red-tailed hawk nests halted access to the Hartung Yard Construction Yard; no activity occurred.
8. A field office was set up at the Bartlett-Hauser Construction Yard. Approval was obtained from the County of San Diego for construction activity at the Bartlett-Hauser Yard on Sunday, February 20, and Monday (holiday), February 21.
9. Yard preparation occurred at the SWAT Construction Yard. The access road was improved (see Figure 10).
10. Yard preparation occurred 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. At the JVR Construction Yard, a hydrocarbon sheen was observed at the fueling station floating on top of rainwater collected in the rubber basin. Absorbent pads were used to remove the hydrocarbon sheen to the extent possible. The liquid was pumped out into a water truck.

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):

None

CPUC NOTICES TO PROCEED (NTPs)

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

TABLE 1
CPUC NTPs
(Updated 03/08/2011)

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 to date are presented in Tables 2 and 3, respectively.

TABLE 2
VARIANCE REQUESTS
(Updated 03/08/2011)

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 03/08/2011)

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 to date are presented in Table 4.

TABLE 4
NON-COMPLIANCES, PROJECT MEMORANDA (PM), AND OTHER INCIDENTS
(Updated 03/08/2011)

Type	Date	Location	Description
Incident	11/1/2010	White Star	Delivery of a rebar cage outside of the approved disturbance area.
PM #1	12/7/2010	Thomas Yard	Failure to report unanticipated biological resources within 48 hours.
PM #2	02/11/2011	EP 242	Unauthorized ground disturbance at EP 242
Incident	02/17/2011	EP 244	Nest incorrectly marked at entrance to EP 244.
Incident	02/18/2011	Alpine HQ	Emergency weather landing and storage of 3 helicopters at Alpine HQ.

PROJECT PHOTOGRAPHS



Figure 1: Soil boring at EP 85-2, Link 2.



Figure 2: BMP repair at EP 220 within Red Tailed Hawk nest buffer, Link 1.



Figure 3: Access road and BMPs to EP 84 & EP 85-2, Link 2.



Figure 4: Implementation of BMPs; rocked dip section along access road, Link 2.



Figure 5: Bauer Bridge BMPs, Link 4.



Figure 6: Foundation work at Imperial Valley Substation.



Figure 7: Speed limit signage along Access Road to Imperial Valley Substation.



Figure 8: Bird netting installation at Imperial Valley Substation.



Figure 9: Tower construction at Thomas Yard.



Figure 10: Access road to SWAT Construction Yard.