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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: April 6, 2011
Subject: Weekly Report 27 – March 20 to March 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, 500 kV Overhead Transmission Line:
 - Conventional foundation pouring and cleanup occurred at Towers EP208, EP209, and EP213.
 - Conventional structure assembly took place at EP210, EP211, EP215, EP243, and EP244 (see Figure 1).
 - Micropile benching, drilling, proof testing, grouting and trimming occurred at EP221-2, EP221A, EP227, EP232-1, EP235-1, EP253-2, EP227, EP221-2, EP221A, EP225-1, EP238, EP221A, EP225-1, EP227, EP232-1, EP235-1 EP221A, EP225-1, EP230-1, and EP239.
 - Grading of crane pads was conducted at EP217 and EP219, and the pull site associated with EP219.
 - Driveway installations occurred at EP220-1 and associated pull site, and EP239-1 through EP242.
 - Access road grading took place at EP252-1.
2. Link 2, 500 kV Overhead Transmission Line:
 - Micropile drilling occurred at Tower EP80 and EP81.
3. Link 4, 220 kV Underground Transmission Line:
 - Potholing occurred at Alpine Boulevard between the 1900 Block and Tavern Road, Alpine Boulevard from Willows Rd. east for 1200 feet, Vault V8L, V17L, V10L from Station 160+00 west to the school limits, and Alpine Boulevard from 600 feet west of West Victoria westbound.
 - Excavating (including ins-and-outs and trenching) occurred at the Interstate 8 jack-and-bore, V5R, V8L, V8R, V12L towards V13L, V14L towards V15L, V15L towards V19L, and Alpine Boulevard west of Star Valley Road.



- Pre-drilling and drilling/saw cutting occurred at V7L.
 - Encasement pouring occurred at V16L, from Station 258+00 to 241+00, and from Station 241+00 to 227+00.
 - Prepping and cleaning manholes occurred at V3L, V12L, and V13L.
 - Setting plates and paving occurred from V16L to V15L, V15L to V14L, Station 227+00 to South Grade Road, V7L, V13L, Station 209+00 to the west, along the 3200 block of Alpine Boulevard to Honey Hill Ranch Road, from South Grade Road west for 2,000 feet, and Station 309+00 to 800 feet west of Star Valley Road.
 - Well work/dewatering occurred at V11L and Station 177+00 700 feet east of Marshal Road (Alpine Creek bore site).
 - Grading occurred at the Loritz property.
 - The sink hole on Alpine Boulevard, 150 feet west of V12R, was repaired.
4. Link 5, 220 kV Overhead Transmission Line:
 - Work on the 69 kV Reconductoring Line on Tie Lines (TL) 6916 and 639 continued. On TL 6916, underground work continued.
 - On TL 639, wire was pulled across Highway 52 on the morning of Sunday, March 20, 2011 (see Figure 2).
 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. On March 23, 2011, it was noted to the SDG&E Link Lead that one of the Biological Monitors did not have the appropriate maps to accurately monitor the site. A monitor with the necessary maps for the site was sent soon after the notification.
3. BMP installation and/or maintenance were conducted at EP210, EP218, EP219, and EP239, Link 1.
4. BMP maintenance occurred on access roads to EP 84 and EP 85-2, Link 2.
5. BMP installation and/or maintenance continued along Alpine Boulevard and the Loritz property, Link 4.

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: Link 3: Rough grading continued on Bell Bluff Truck Trail (BBTT) and the pad. The eastern hill was drilled and blasted, and rock and soil were excavated and hauled to the southern canyon fill area. Material was excavated from the center of the pad and hauled to the southern canyon as well. Office trailers were delivered and setup began.
2. Imperial Valley Substation Upgrade: Foundations were drilled and structure assembly occurred. Circuit breaker, potential transformer, switch stands, and bus supports were installed. Trenching occurred in Bay #1 for cable vaults to tie into the control building.
3. Foundations were drilled at the San Luis Rey Substation.

4. Crews installed Bay #5 disconnects and trusses at the Encina Substation. Foundations were drilled. A gas circuit breaker, potential transformer, switch stands, and dead end pads were installed.

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 with Dat Quach from the Regional Water Quality Control Board.
3. BMPs were installed and maintained along the Suncrest Substation pad site and BBTT. Water was pumped from both northern and southern detention basins, and was spread throughout the fill areas for compaction.
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):

Dat Quach, Regional Water Quality Control 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 was completed.
2. No ground disturbing activities were conducted at the Alpine Regional Field Office (Alpine RFO).
3. Materials staging and tower assembly continued at Rough Acres Construction Yard.
4. No work occurred at the Thomas Yard.
5. Material staging and tower structure assembly continued at the Jacumba Valley Ranch (JVR) Yard. JVR Yard also continued to be utilized for helicopter operations.
6. No work occurred at the Wilson Yard (see Figure 3).
7. Steel delivery and structure assembly occurred at the Helix Construction Yard. Access road improvements occurred.
8. Steel delivery and structure assembly occurred at the Hartung Construction Yard.
9. The access road to the Bartlett-Hauser Construction Yard was improved.
10. The access road to the SWAT Construction Yard was improved.
11. Steel delivery and structure assembly occurred at the Kreutzkamp Construction Yard. The access road was also improved.

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. Several two-striped gartersnakes (*Thamnophis hammondi*) were relocated at the Kreutzkamp Construction Yard, Link 2. Environmentally Sensitive Area flagging was established for a seep coming onto the site. One Southern Pacific rattlesnake (*Crotalus helleri*) was inadvertently crushed during steel assembly at the Kreutzkamp Construction Yard (see Figure 4 & 5).

3. BMP maintenance continued at the Kreuzkamp, SWAT, and Bartlett-Hauser construction yards on Link 2.
4. Stormwater BMPs were breached at the Bartlett-Hauser Construction Yard (see Figure 6), Link 2. Repairs were initiated following the rain events.

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 04/06/2011)

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.
BLM #2	03/28/11	04/04/11	2-12, 16-17	Links 1, 2, and 5 overhead construction on BLM Lands.

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 04/06/2011)

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	03/18/11	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.
#9	03/29/11	04/06/11	All	Perform construction activities outside of hours allowed by local ordinances with local jurisdiction approval.
#10	04/04/11 (revised)	Under Review	Link 4	Additional construction work space at Viejas Creek Bridge.
#11	04/06/11	Under Review	Link 1	Additional workspace east of EP215.

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 04/06/2011)

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
TEWS #2	03/17/11	03/18/11	Link 4	Parking on Puetz Valley and Alpine Blvd
TEWS #3	03/17/11	03/18/11	Link 4	Parking on Harbison Canyon and Alpine Blvd
TEWS #4	03/22/11	03/23/11	Link 5	Storage on One Father Junipero Sierra Trail
TEWS #5	03/24/11	03/24/11	Link 4	Parking at 3900 Willows Rd. West
TEWS #6	03/24/11	03/24/11	Link 4	Parking at 5840 Willows Rd. East

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 (NC), PROJECT MEMORANDA (PM), AND OTHER INCIDENTS
 (Updated 04/06/2011)

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, Link 1	Unauthorized ground disturbance at EP 242
Incident	02/17/2011	EP 244, Link 1	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.
NC #1	03/08/2011	Suncrest Substation	Army Corp of Engineers issued NC for not complying with Special Conditions 19, 21 and 23 of DA Permit SPL-2007-00704-SAS.
Incident	03/12/2011	EP 252, Link 1	Bulldozer was delivered at site prior to CPUC clearance being given.
PM #3	03/15/2011	CP 67-3, Link 5	Staking crews operating and delivered by helicopters within Golden Eagle Buffer area.
Incident	03/15/2011	EP 214, Link 1	Dewatering approximately 1 gal of groundwater from an excavation hole without having submitted a dewatering plan to the CPUC.

PROJECT PHOTOGRAPHS



Figure 1: Conventional structure assembly at EP 243, Link 1.



Figure 2: Pulling wire on Sunday, March 20, across Highway 52, Link 5.



Figure 2: Completed water detention basin at Wilson Yard, Link 3.



Figure 4: Two-striped gartersnake being relocated at Kreutzkamp Construction Yard, Link 2.



Figure 5: Crushed Southern Pacific rattlesnake, Kreutzkamp Construction Yard, Link 2.



Figure 6: Stormwater BMPs breached at the Bartlett-Hauser Construction Yard, Link 2.