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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: May 9, 2011
Subject: Weekly Report 32 – April 24 to April 30, 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:

Non-Federal Lands:

- Conventional foundation installation, concrete pour, cleanup and demobilization occurred at Tower EP220-1.
- Conventional structure assembly was performed at EP210, EP211, EP213, EP214, EP217, EP19, and EP243.
- Resistance testing occurred at EP208, EP210, EP211, EP213, EP214, EP215, EP217, EP218, and EP 219.
- Rough grading was performed at EP239 and EP240.
- Micropile soil boring took place at EP225 and EP238.
- A micropile test hole was drilled at EP240.

BLM Lands:

- Conventional foundation drilling and concrete pour occurred at EP336 (see Figure 1).
- Micropile soil boring took place at EP330 and EP341 (see Figure 2).
- Desert pavement removal and salvage was performed at EP338, EP340, and EP345.
- Fault trenching took place at EP340
- Rough grading occurred at EP213, EP343, and EP344.
- Road work took place at the Plaster City Yard access road, EP213, EP320, EP321, EP322, EP344, and EP345.



2. Link 2, 500 kV Overhead Transmission Line:

Non-Federal Lands:

- Micropile drilling, grouting, and trimming occurred at Towers EP79, EP 80, and EP84.
- On Monday, April 25, 2011, it was discovered that vandals had lit a bonfire overnight along the access road to EP 84 (see Figure 3). BMPs were removed from around the work site and lit on fire. Similar to the prior week's fire, no vegetation was burned as the fire was on bare ground.

3. Link 4, 220 kV Underground Transmission Line (non-federal lands only):

- Potholing occurred at Vaults V2R to V3R, V8 to V9, and V15R.
- Excavating occurred at V14R and V16R.
- Ins-and-outs occurred at V3L, V5L, V11L to V13L, V15L, and the Interstate 8 bore site.
- Trenching occurred between V4L to V8L, V8R to V9R, and V11L to V12L.
- Pre-drilling and drilling occurred between V4L to V5L, V8R to V9R, and V14.
- Saw cutting occurred at V2R to V3R, V8 to V9, V15R, and V8R to V9R.
- Encasement pouring occurred between V4L and V7L
- Proofing occurred at V15L, V16L, V17L, and V18L.
- Milling and setting plates occurred at V4L to V6L, V8R to V9R, V11L to V12L, and V16L.
- Paving occurred at V5L to V9L, V12L to V13L, V14L to V15L, and V17R.
- Bridge work occurred at the Viejas Creek Bridge.
- Shoring was installed at the Alpine Creek bore site.
- Grading occurred at the Loritz property.
- Work continued at the Interstate 8 bore site (see Figure 4).
- No activity occurred at the Bauer Bridge location due to active nest buffer restrictions.

4. Link 5, 220 kV Overhead Transmission Line:

Non-Federal Lands:

- Conventional foundations were drilled at Towers CP25-2 and CP26.
- Work on the 69 kV Reconductoring Line Tie Line (TL) 6916 continued. On TL 6916, trenching, plate removal, and backfilling occurred on the Rue Biarritz underground portion.
- No work occurred on TL 639 during this reporting period.

Environmental Compliance:

1. Biological, Cultural, and Native American monitors were present as applicable during all transmission line construction activities.
2. On April 27, 2011, a paleontological discovery was made on Link 1. The discovery was collected and reported to the appropriate agencies.
3. Two flat-tailed horned lizards (*Phrynosoma mcallii*) were relocated by a certified handler; one from EP322 and one from EP321, Link 1.
4. It was noted that a new road was cut just outside of the Jacumba Valley Ranch (JVR) yard fence, near the 12 kV relocation. The newly constructed road passed directly through culturally sensitive areas. It was noted and shown to the CPUC EM that the road is not project related (see Figure 5).

5. BMPs were installed or refreshed on access roads, TSAPs, and pads associated with structures on Link 1:

Non-Federal Lands:

- EP220 and EP244

BLM Lands:

- EP314, EP317, EP318, EP320, EP322, EP327, EP328, EP329, EP331, EP336, EP338, EP340, EP341, EP343, EP344, EP345, EP348, EP349, EP350, EP351 and, EP352.

6. BMPs were installed or refreshed on access roads, TSAPs, and pads associated with structures on Link 2:

Non-Federal Lands:

- EP84.

BLM Lands:

- None.

7. BMP installation and/or maintenance continued along Alpine Boulevard and the Loritz property, Link 4 (non-federal lands only).

8. Link 4 (non-federal lands only):

- 4/27/2011: A release of less than 4 ounces of hydraulic fluid from a leaking tailgate ram on a lowboy truck trailer was reported at Vault 11L, near 2271 Alpine Boulevard, and was immediately cleaned up. A release of less than 6 ounces of radiator coolant from a compressor engine was reported at Vault 17L, near 3800 Alpine Boulevard, and was immediately cleaned up. A release of less than 4 ounces of hydraulic fluid from a drilling rig hose was reported at Vault 5L, near 1000 Alpine Boulevard, and immediately cleaned up. All of the above were reported to the County Storm Water Hotline
- 4/28/2011: Release of less than 2 ounces of hydraulic fluid from a hose on the excavator was reported near the 300 block of Alpine Boulevard, at the jack-and-bore site, ¼ mile west of Peutz Valley Road. The leak was immediately cleaned up. Reporting was made to the Caltrans HazMat Manager.
- 4/29/2011: A release of less than 2 ounces of diesel fuel from refueling a backhoe was reported at Vault 14R, near 3450 Alpine Boulevard, and was immediately cleaned up. Reporting was made to the County Storm Water Hotline.

9. Cleanup and BMP work occurred on TL 6916 and TL 639, Link 5 (non-federal lands).

10. Pre-Construction surveys were performed throughout Link 1, 2 and 5 with appropriate monitors.

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 (non-federal lands): Rough grading continued on the pad. Drilling and blasting continued in several locations throughout the pad. Rock and soil were excavated in various locations on the pad and compacted in the southern-central portion of the pad. Grading continued along the Bell Bluff Truck Trail. Work continued on the block retaining wall in the northern drainage (see Figure 6). Installation of the permanent drainage system continued.

2. Imperial Valley Substation Upgrade (BLM lands): A portion of the substation was energized. Conventional foundations were drilled and structures were assembled. Gas circuit breakers, potential transformers, switch stands, and bus supports were installed. Trenching occurred in Bay #4 for cable vaults to tie into the control building. Concrete pads and conduits were worked on in Bay #4. Disconnects and circuit breakers were installed in Bay #3.
3. San Luis Rey Substation (non-federal lands): Conventional structure assembly continued. Upgrades occurred to the 69 kV bus.
4. Encina Substation (non-federal lands): Conventional foundations were drilled and conventional structure assembly occurred. A gas circuit breaker, potential transformer, switch stands, and dead end pads were installed. A crew continued building a new fence around the switchyard.

Environmental Compliance:

1. All applicable Biological, Cultural, Paleontological, and Native American monitors have been present during ground disturbing activities at all substations.
2. BMP maintenance continued in several locations at Suncrest Substation. Additionally, the Storm Water Pollution and Prevention Plan (SWPPP) Monitor continued documentation of erosion controls and hazardous materials onsite. Two Red Diamond rattlesnakes (*Crotalus ruber ruber*) were found uninjured on the access road and relocated outside of the disturbance area.
3. 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.
4. A Biological Monitor has been at the Encina Substation for all work, including monitoring the American Kestrel 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):

None.

CONSTRUCTION YARDS AND OTHER WORKSPACES:

Summary of Activity:

Non-Federal Lands:

1. Material staging and tower assembly continued at the Alpine Construction Yard.
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 Thomas Yard.
5. Material staging and tower structure assembly continued at the JVR Yard. JVR Yard was also utilized for helicopter operations.
6. Material staging and tower assembly took place at the Wilson Fly Yard.
7. Material staging and tower assembly occurred at the Helix Construction Yard.
8. No notable activity occurred at the SWAT Construction Yard.
9. Material staging and tower assembly occurred at the Hartung Construction Yard.
10. Material staging and tower assembly occurred at the Bartlett-Hauser Construction Yard. The access road & driveway was also improved.
11. Material staging and tower assembly occurred at the Kreutzkamp Construction Yard.

BLM Lands:

- Grading occurred on the access road and inside the perimeter of the Plaster City Yard. Material staging and tower assembly also took place.

Environmental Compliance:

- Biological, Cultural, and Native American monitors have worked with crews at the construction yards to define approved work areas and sites to avoid.
- BMP installation occurred at the Plaster City Yard.
- BMP maintenance continued at the Bartlett-Hauser Construction Yard on Link 2.
- Amphibian & reptile exclusionary fencing was installed in Kreutzcamp Construction Yard. Nesting bird deterrents were installed on some equipment (see Figure 7).
- Three Coronado skinks (*Plestiodon skiltonianus interparietalis*) and one Two-striped gartersnake (*Thamnophis hammondi*) were relocated at the Kreutzcamp Construction Yard.
- One Anna’s hummingbird (*Calypte anna*) was killed when it flew into a windshield at the Helix Construction Yard.

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 05/09/2011)

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 05/09/2011)

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)	04/14/11	Link 4	Additional construction work space at Viejas Creek Bridge.
#11	04/06/11	04/22/11	Link 1	Additional workspace east of EP215.
#12	04/15/11	04/25/11	Link 1	Additional turnaround along the access road to EP 220-1.
#13	04/13/11	05/06/11	Links 1 & 2	Two fiber optic regeneration sites.
#14	04/28/11	05/03/11	Yards	Change visual screening at Project construction yards from slats to fabric.

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 05/09/2011)

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
TEWS #7	04/14/11	04/14/11	Link 2	Northeast spur of access road to EP 84

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 05/09/2011)

Type	Date	Location	Description
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
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.
PM #3	03/15/2011	CP 67-3, Link 5	Staking crews operating and delivered by helicopters within Golden Eagle Buffer area.
PM #4	04/06/2011	SWAT Yard	Unauthorized Nest Removal from a water truck at SWAT Construction yard.

Other compliance incidents identified by SDG&E monitoring staff and/or crews are presented in Table 5.

TABLE 5
PROJECT INCIDENTS
 (Updated 05/09/2011)

Type	Date	Location	Description
Incident	11/1/2010	White Star	Delivery of a rebar cage outside of the approved disturbance area.
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.
Incident	03/12/2011	EP 252, Link 1	Bulldozer was delivered at site prior to CPUC clearance being given.
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.
Incident	04/06/2011	JVR 12 kV, Link 1	Confusion on approved work areas due to varying maps having been distributed to workers and monitors.
Incident	04/07/2011	JVR 12 kV, Link 1	A site was worked on prior to CPUC EM construction release having been received for the area, no resources were damaged.

PROJECT PHOTOGRAPHS



Figure 1: Conventional foundation pour at EP336, Link 1.



Figure 2: Micropile soil boring at EP330, Link 1.



Figure 3: Burned BMPs and garbage on access road to EP 84, Link 2.



Figure 4: Crews installing conduit at the jack-and-bore underneath Interstate 8, Link 4.



Figure 5: New road created through culturally sensitive area; determined not to be project related, Link 1.



Figure 6: Block retaining wall along northern drainage, Link 3.



Figure 7: Crews attempting to deter nesting birds with plastic wrap on equipment at Kreuzcamp Construction Yard, Link 2.