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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 27, 2011
Subject: Weekly Report 30 – April 10 to April 16, 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 foundations were drilled at Tower EP220-1.
- Conventional structure assembly occurred at EP208, EP209-1, EP210, EP213, EP214, EP215, EP218-1, EP219-1, EP243, and EP244 (see Figure 1).
- Micropile concrete cap preparation took place at EP225-1, EP226-1, EP227, EP229-1, EP230-1, and EP232-1.
- Helicopter assembly was performed at EP208, EP209, EP218, and EP243 (see Figure 2).
- Grounding rods and connectors were installed at EP217-1.

BLM Lands:

- Desert pavement removal and access road work occurred at EP341.

2. Link 2, 500 kV Overhead Transmission Line:

Non-Federal Lands:

- Micropile preparation, drilling, trimming and testing occurred at EP79, EP 80, EP 81, EP84, and EP86-1.

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

- Potholing occurred at Alpine Creek, Vault V2L to V3L, V11L, and between Vaults 16R and V17R.
- Excavating occurred at V11L, V17R, and V18R.
- Ins-and-outs occurred at V6L, V7L, V8L, and V15L.



- Trenching occurred between V6L and V9L, V12L and V13L, and at V19L.
 - Pre-drilling and drilling occurred between the Interstate 8 bore site and V5L, and at V17R.
 - Saw cutting occurred between V3L to V5L.
 - Encasement pouring occurred between V7L to V9L.
 - Pre-racking manholes and cleaning for wire pulls occurred at V11L and V19L.
 - Proofing occurred at V17L and V18L.
 - Milling and setting plates occurred between V5L and V8L, V12L and V13L, and V17R, and V19L.
 - Paving occurred at V7L, V9L, V12L to V13L, V15L, and V19L.
 - Vaults were set at V6R and V11L.
 - Dewatering occurred at the Alpine Creek bore site.
 - Grading occurred at the Loritz property.
 - Work continued at the Interstate 8 bore site.
 - 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 CP25-2 and CP26 (see Figure 3).
 - Work on the 69 kV Reconductoring Line Tie Line (TL) 6916 continued. On TL 6916, approximately 60 feet of trenching occurred. Paving was completed in areas where trenching and vault installation had been completed.
 - 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 12, 2011, it was noted that a helicopter was flying very close to the Golden Eagle nest above Hartung Construction Yard. Sunrise Base (SDG&E) confirmed this helicopter was not associated with the Sunrise Powerlink Project; the closest project related helicopter was several miles away. The ownership/association of the helicopter is unknown.
3. On April 13, 2011, it was noted to the Link Lead that helicopters were observed leaving the Rough Acres Ranch Yard before 7 a.m. The Link Lead was to address helicopter crews about the early departure.
4. On April 14, 2011, it was noted to the Link Lead that there were obvious errors in the schedule. Follow-up was taken by the Link Lead and discrepancies were resolved for the following day.
5. On April 14, 2011, a TEWS was granted to avoid ponded water on existing ROW of the access road to EP 84 (see Figures 4 & 5).
6. On April 15, 2011, it was noted that dust control was necessary on the access road to CP25-2 and CP 26. A water truck arrived on site later that afternoon.
7. BMPs were installed or refreshed on access roads, TSAPs, and pads associated with structures on Link 1:

Non-Federal Lands:

- EP225-1, EP226-1, EP227, EP230-1, and EP231-1.

BLM Lands:

- EP313, EP329, EP330, EP343, EP344 and EP354.

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

Non-Federal Lands:

- EP79, EP80, EP81, EP84, and EP86-1.

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

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

Non-Federal Lands:

- CP25-2 and CP26.

11. 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 took place in several locations including the eastern and western hills, as well as the northern and southern drainages where permanent storm drainage systems will be installed. Rock and soil were excavated in various locations on the pad and moved to the southern portion where it was compacted. The installation of the permanent drainage system continued. Several concrete pours were conducted in the northern drainage for velocity dissipaters and cleanout boxes (see Figure 6).
2. Imperial Valley Substation Upgrade (BLM lands): Conventional foundations were drilled and structures were assembled. Gas circuit breakers, potential transformers, switch stands, and bus supports were installed. Trenching occurred in Bay #3 and Bay #4 for cable vaults to tie into the control building. Concrete pads and conduits were worked on in Bay #3 and Bay #4. Steel structures were erected in Bay #4.
3. San Luis Rey Substation (non-federal lands): Conventional structure assembly and 69 kV bus upgrades occurred.
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.

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 at Suncrest Substation following the previous week's rain event. Sediment was removed from behind gravel bags in the V-ditches along the road. Silt fence was repaired as needed.
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.

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. 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. Access road and driveway improvements were also made.
4. Material staging and tower assembly continued at 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. 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:

12. Grading on the access road from Evan Hewes Highway to the Plaster City Yard began. Fence installation around the yard was also initiated (see Figures 7 and 8).

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. On April 14, 2011, it was noted to SDG&E that a nesting bird buffer within the Wilson Fly Yard had been reduced prior to USFWS and CDFG approval. Corrective action was immediately taken and the nesting birds in question appeared to be unaffected according to the on-site biologist.
3. Fencing and signage for new bird buffers were established at Wilson Fly Yard (see Figure 9). Improvements were made to the driveway and access road. Bird netting was installed to prevent birds from nesting in corrugated pipe.
4. A SDG&E internal noxious weed audit was performed at the JVR Yard. Offsite dust has been noted as well and dust control is being conducted within the yard and along the access road.
5. BMP maintenance continued at the Kreutzkamp and Bartlett-Hauser construction yards on Link 2 (see Figure 10).
6. An internal noxious weed audit was performed at Kreutzcamp, SWAT, and Bartlett-Hauser construction yards.
7. Fencing and signage of new bird buffers and environmentally sensitive areas occurred at the Alpine Upper Yard, Bartlett-Hauser, Kreutzcamp, and Helix construction yards.

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 04/27/2011)

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 04/27/2011)

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

Variance Request	Date Requested	Date Issued	Segment #	Description
#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	Under Review	Links 1 & 2	Two fiber optic regeneration sites.

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 04/27/2011)

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 04/27/2011)

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.

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

TABLE 5
PROJECT INCIDENTS
 (Updated 04/27/2011)

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 12kV, Link 1	Confusion on approved work areas due to varying maps having been distributed to workers and monitors.
Incident	04/07/2011	JVR 12kV, 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 tower structure assembly at EP219-1, Link 1.



Figure 2: Skycrane flying with tower to EP209, Link 1.



Figure 3: Drilling at CP 26, Link 5.



Figure 4: Ponded water at the granted TEWS site on access road to EP 84, Link 2.



Figure 5: Granted TEWS area on right, avoiding ponded area on ROW access road to EP 84, Link 2.



Figure 6: Cleanout boxes at Suncrest Substation, Link 3.



Figure 7: Access road grading from Evan Hewes Highway to Plaster City Yard, Link 1.



Figure 8: Fence installation at Plaster City Yard, Link 1.



Figure 9: New nesting bird buffer established at Wilson Fly Yard, Link 3.



Figure 10: BMP at Bartlett-Hauser Construction Yard after a storm event, Link 2.