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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 8, 2011
Subject: Weekly Report 28 – March 27 to April 2, 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:
 - A conventional foundation was poured at Tower EP209-1.
 - Micropile drilling, proof testing, grouting, trimming, ultimate testing, and concrete capping occurred at EP235-1, EP253-2, EP227, EP232-1, EP235-1, EP239-1, EP243-2, and 230-1.
 - Structure assembly occurred for EP210, EP211, EP213, EP214, EP215, EP217, EP218-1, and EP243.
 - Work was conducted on the access road to EP239-1/EP240.
 - Crane pad grading took place at EP208 and EP219.
 - Pad reveals were conducted at EP214 and EP219.
 - Cleanup occurred at EP208, EP209, EP210, EP211, EP213, EP217 and EP219.
 - Insulators were installed at EP217 (see Figure 1).
 - Removal of the Desert Rose Ranch House continued.
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 along Alpine Boulevard from Willows Road east for 1200 ft., and at Vault V16R.
 - Pre-drilling occurred at V4L, V7L, V9R, V11R, and V17R.
 - Excavating was conducted at V5R, V6R, V8L, V8R, V9R, V11L, V12L to V13L, V14L to V15L, and V19L.



- Saw cutting occurred at V8L, V9R, and V13L.
 - Trenching was conducted from V8L to V9L, V12L to V13L, V14L to 300 feet east of Honey Hill Ranch Road, and V19L.
 - Ins-and-outs were conducted at V7L and V15L.
 - Drilling occurred at the Alpine Creek bore site.
 - Encasement pouring was conducted between V14L and 300 feet East of Honey Hill Ranch Road.
 - Pre-racking and cleaning manholes was conducted at V8L, V13L, V12L, and V13L.
 - Milling and setting plates occurred at V8L, V9L, V9R, from South Grade Road for 300 feet past Honey Hill Ranch Road and west to 200 feet east of Bay Meadows Road, V11L, and between V12 and V13.
 - Paving occurred around V5R, V8L, V8R, V9L, and between V14L to V15L.
 - Vault setting was conducted at V5R and V8R.
 - Dewatering occurred at V11L.
 - Grading occurred at the Loritz property.
 - Work continued at the Interstate 8 jack-and-bore site.
4. Link 5, 220 kV Overhead Transmission Line:
- Work on the 69kV Reconductoring Line on Tie Lines (TL) 6916 and 639 continued. On TL 6916, a hole was drilled for pole replacement at 973032. Also, approximately 200 feet of underground was trenched, conduit placed, and slurry poured at Rue Biarritz.

Environmental Compliance:

1. Biological, Cultural, and Native American monitors were present as applicable during all transmission line construction activities.
2. BMP installation and/or repairs occurred along the access road adjacent to McCain Valley Rodd and the pull site at EP225, Link 1.
3. A silvery legless lizard (*Anniella pulchra pulchra*) was found dead among the steel at EP215, Link 1. The body was desiccated; therefore, the cause of death could not be accurately determined.
4. BMP installation and/or maintenance continued along Alpine Boulevard and the Loritz property, Link 4.
5. On Link 5, TL 639, BMPs were maintained from Structures 50 to 84.

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 the pad. The center of the pad and the eastern hill were drilled and blasted. Material was excavated from the pad site and hauled to the southern canyon and compacted. Cut areas of the western hill were ripped and piled up to be taken to the fill areas. Additional sections of the canyon drain were installed in the southern drainage areas. Set up of the office trailers continued (see Figure 2).

2. Imperial Valley Substation Upgrade: Foundations were drilled and conventional structures were assembled. Gas circuit breakers, potential transformers, switch stands, and bus supports were installed. Trenching occurred in Bay #1 for cable vaults to tie into the control building. Concrete pads and conduits were worked on in Bay #1 and Bay #3. Steel structures were erected in Bay #3.
3. San Luis Rey Substation: Foundations were drilled and structure assembly occurred. Bay #5 disconnects and trusses were installed in the 69kV bus.
4. Encina Substation: Structures were assembled and 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. BMP maintenance and installation continued along Bell Bluff Truck Trail (BBTT) and the pad site at Suncrest Substation.
3. Ongoing dust control activities were effective during the dry and warmer days of the subject week at Suncrest Substation.
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 (see Figures 3 & 4).

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. Material staging and tower assembly occurred 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 the 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. Ongoing water storage activities occurred in the pond at the Wilson Yard (see Figure 5).
7. Material staging and tower assembly occurred at the Helix Construction Yard.
8. Material staging and tower assembly occurred at the Hartung Construction Yard. The access road was improved.
9. The access road to the Bartlett-Hauser Construction Yard was improved.
10. The access road to the SWAT Construction Yard was improved.
11. Material staging and tower assembly occurred at the Kreutzkamp Construction Yard. The access road was also improved.
12. Preconstruction vegetation assessments and drainage staking were conducted at Dunaway, Plaster City, Imperial Valley, and S-2 Yards.

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 March 30, 2011, approximately ten gallons of diesel fuel was released at the JVR Yard. Emergency clean-up was performed after designated work hours into March 31, 2011. The spill was reported to the County Storm Water Hotline.
3. BMP maintenance continued at the Kreutzkamp, SWAT, and Bartlett-Hauser Yards on Link 2 (see Figures 6 & 7).
4. A security apparatus with camera and audible alarm was installed at the entrance to the Sycamore Construction Yard prior to the issuance of Variance #2, review by CPUC EMs and without notification to the CPUC EM team. The measure was taken in order to secure the yard, per the lease agreement, from vandals who were continually entering the yard. The alarm created by the camera was turned off after the noise levels it created were deemed a possible nuisance to wildlife (see Figure 8).

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 04/08/2011)

| 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. |
| 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 04/08/2011)

| 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 | 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 04/08/2011)

| 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 |
| 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 | 04/05/11 | 04/07/11 | Link 2 | Parallel access road into EP 79 |

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 04/08/2011)

| 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, 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. |
| Incident | 03/28/2011 | Sycamore Estates | Placement of security apparatus prior to Variance #2 approval and CPUC EM review. |
| PM #4 | 04/06/2011 | SWAT Yard | Unauthorized Nest Removal from a water truck at SWAT Construction yard. |

PROJECT PHOTOGRAPHS



Figure 1: Insulator installation at EP217, Link 1.



Figure 2: Trailers at Suncrest Substation, Link 3.



Figure 3: Three owl chicks occupying nest in structure at San Luis Rey Substation.



Figure 4: Owl buffer at San Luis Rey Substation.



Figure 5: Filled water basin at Wilson Yard, Link 3.



Figure 6: BMPs at the SWAT Construction Yard, Link 2.



Figure 7: BMPs at the SWAT Construction Yard, Link 2.



Figure 8: Security camera apparatus installed at entrance to Sycamore Construction Yard, Link 5.