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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:** December 8, 2011  
**Subject:** Weekly Report 61 – November 13 to November 19, 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 Work-space and non-compliance activity are provided in Tables 3 and 4, respectively.

**CPUC/Aspen Environmental Monitors (EM):** Cassandra Garza, Brian Woodward, Valerie Yep, and Brit O'Brian.

**TRANSMISSION LINE CONSTRUCTION**

**Summary of Activity:**

1. Link 1, 500 kV Overhead Transmission Line:

Non-Federal Lands:

- Vegetation clearing occurred at the EP225/226 pull site and EP243/244 pull site.
- Boulder removal occurred at Tower EP254-3.
- Grading occurred at EP219/220 pull site, EP225/226 pull site, and EP255/256 pull site.
- Weed removal occurred at EP208, EP210, EP220-1, and EP243.
- Rumble plates were installed at EP208-N and EP220-1-PS-E.
- Gate repair occurred at EP214.
- Micropile drilling occurred at EP252A-1.
- Micropile trimming and pull testing occurred at EP262-4.
- Micropile cap work occurred at EP259B-2, EP261-2, EP261A and EP262-4.
- Conventional drilling occurred at EP184-1.
- Various foundation work (capping, cage installation, grounding, etc.) occurred at EP199-3.
- Form removal and cleanup occurred at EP199-3.
- Miscellaneous assembly work (perch deterrents, anti-climb guards) occurred at EP358.
- Ground resistance rod installation and testing occurred at EP199-3.
- Insulator work occurred at EP215 and EP220-1 pull site.
- Guard structure installation at EP219-1 and EP219/220 pull site.



#### BLM Lands:

- Vegetation was cleared at EP225/226 pull site and EP243/244 pull site.
- Top soil salvage occurred at EP220-1 pull site.
- Access road development occurred at EP236/237 pull site.
- Grading occurred at EP173-1 and EP200-3 pull sites.
- Weed removal occurred at EP201-3.
- Non-native vegetation removal was conducted at the Mountain Springs mitigation property.
- A temporary bridge was installed at EP187-2-N.
- Gate removal occurred at EP200-3.
- Micropile drilling occurred at EP246.
- Micropile trimming occurred at EP263A-2.
- Micropile pull testing occurred at EP263B-2.
- Micropile cap work occurred at EP263A-2, EP265-2, EP266-2, EP267-2, EP276-1, EP277-1, and EP281.
- Conventional drilling occurred at EP170, EP171, EP172, EP173-1, EP186-1, and EP192-2.
- Various foundation work (capping, cage installation, grounding, etc.) occurred at EP171, EP172, EP173-1, EP174, and EP186-1.
- Form removal and cleanup occurred at EP173-1, EP174, and EP175.
- Tower assembly occurred at EP201-3, EP202-3, EP203-3, EP204-3, and EP205-2.
- Miscellaneous assembly work (perch deterrents, anti-climb guards) occurred at EP303-2, EP304-2, EP305-3, EP307-1, EP356, and EP357.
- QA/QC occurred at EP322-1 and EP327.
- Ground resistance testing occurred at EP200-3.
- Ground rod installation was conducted at EP200-3 and EP203-3.
- Wire sagging occurred at EP306-1.
- Fiber training occurred at EP301 and EP313.
- Fiber splicing occurred at EP313 and EP322-1.
- Insulator work occurred at EP200-3 and EP201-3.
- Jumpers were installed between EP303-2 and EP308.
- Spacers were installed from EP304-2 to EP306-1.
- Travelers were installed at EP201-3.
- Travelers were removed from EP303-2 and EP304-2.
- Ground wires were removed from EP330-1 and EP342.
- Guard structure installation occurred at EP290.
- Dead end work occurred at EP303-2.

#### 2. Link 2, 500 kV Overhead Transmission Line:

##### Non-Federal Lands:

- Access road construction occurred at EP11-3-N, EP36-1-E, EP103-2-N, EP105-2-E-A, and EP105-2-E-B.
- Vegetation clearing occurred at EP62A-1, EP62A-1 TSAP, EP99-2, EP104-2, EP105-2, EP105 2 E-A, and EP105-2-E-B.
- Grading occurred at EP62A-1 and EP62A-1 TSAP.

- Tree trimming occurred at EP77 and EP78.
- Sagging and clipping in occurred from EP89 to EP91.
- Rumble plates were installed at EP36-1-E.

BLM Lands:

- Vegetation clearing occurred at EP53-3, EP53-3 TSAP, EP63, and EP63 TSAP.
- Access road construction occurred at EP39-1-N-B, EP42-N, EP47-2-PS-N, EP47-2-PS-E, EP103A-2-N, and EP103 2 N.
- Grading occurred at EP47-2 pull site, EP51-1, EP53-3, EP53-3 TSAP, EP63, and EP63 TSAP.
- Conventional drilling occurred at EP39-1.
- Micropile trimming occurred at EP47-2.
- Micropile test pull occurred at EP47-2.
- Grouting occurred at EP47-2.
- Tower assembly occurred at EP42 (see Figure 1), EP43-1 (GE), EP44 (GE), and EP45-1.
- Arroyo toad fencing was installed at EP53-3.

US Forest Service Lands:

- During this reporting period, the PALs were as follows: Monday: B, Tuesday thru Friday: C, and Saturday: A. Work activities ended each day in accordance with the Fire Plan and the approved EV letter as appropriate.
- Access road construction occurred at EP9-1-N, EP36-1-E, EP36-1-N, EP105-2-E-A, EP105-2-E-B, EP125-N, EP126 1-N, EP127-N, EP130-1-N, EP131-N, EP140-1-N, EP141-N, and La Posta Road from pavement to EP141.
- Vegetation clearing occurred at EP9-1, EP9-1-N, EP9-1 pull site, EP2-3 TSAP, EP3-3 TSAP, EP4-3 TSAP, EP5-2 TSAP, EP6-1 TSAP (see Figure 2), EP7-1 TSAP, EP8-2 TSAP, EP10-2, EP13-3 TSAP, EP16-1, EP16-1 TSAP, EP18, EP18 TSAP, EP19-1, EP19-1 TSAP, EP22-1, EP22-1 TSAP, EP24-1, EP24-1 TSAP, EP57-2, EP57-2 TSAP, EP105-2-E-A, and EP105-2-E-B.
- Grading occurred at EP2-3, EP2-3 TSAP, EP3-3, EP3-3 TSAP, EP4-3, EP4-3 TSAP, EP5-2, EP5 2 TSAP, EP6-1, EP6-1 TSAP, EP7-1, EP7-1 TSAP, EP8-2, EP8-2 TSAP, EP10-2, EP10-2 TSAP, EP13-3, EP13-3 TSAP, EP16-1, EP16-1 TSAP, EP18, EP18 TSAP, EP19-1, EP19-1 TSAP, EP22-1, EP22-1 TSAP, EP24-1, and EP24-1 TSAP.
- Tree trimming occurred at EP12-3 and EP13-3.
- Micropile drilling occurred at EP2-3, EP3-3, EP4-3, EP6-1, and EP8-2.
- Various micropile work (capping, pile surveys, site benching, etc.) occurred at EP132-2 (GE), EP134-1 (GE), EP135 (GE), EP136 (GE), EP137 (GE), EP138-2 (GE), EP139-1, and EP140-1 (see Figure 3).
- Concrete was poured at EP126-1 and EP127.
- Concrete blocks were installed at EP135 (GE), EP139-1, and EP140-1.
- Rebar cages were set and forms installed at EP125 and EP127.
- Ground resistance testing occurred at EP141.
- Driveway construction occurred at EP9-1-N, EP105-2-E-A, and EP116-1.
- Tower assembly occurred at EP131, EP132-2 (GE), EP134-1 (GE), EP135 (GE), EP136 (GE), EP137 (GE), EP138-2 (GE), EP139 1, EP140, and EP141 (see Figure 4).
- Gate/Fence installation occurred at EP141.

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

- Revitalization occurred near South Grade Road, Bay Meadows, and Louise Drive.
- Trenching occurred at Viejas Creek Bridge.
- Pre-drilling/drilling occurred at Alpine Creek Bore.
- Saw cutting occurred at Vault V13R and V13L.
- Pre-racking/racking and cleaning manholes for jointing/splicing occurred at V3L, V10L, V18L, V19L, V20L, V7R, V8R, and V12R.
- Proofing occurred from V1L to riser pole and V1R to riser pole.
- Paving (including paving preparation) occurred near Viejas Creek Bridge.
- Cable pulling occurred from V1R to V2R, V1L to riser pole, and V18L to V19L.
- Crews were erecting scaffolding at EP95 and the Loritz Property.
- Terminating occurred at the Loritz riser pole.
- Forming occurred at Viejas Creek Bridge.
- Grading occurred at the Bauer/Slay properties.

4. Link 5:

Non-Federal Lands, 220 kV Overhead Transmission Line:

- Vegetation removal occurred at the CP31-2 pull site, CP31-2-E, CP31-2-N, CP31-2-PS-E, CP55/CP56-1 pull site, CP56-1-E-A, and CP106-1.
- Grading was conducted at the CP31-2 pull site, CP48-2/CP49-1 pull site, and CP55/CP56-1 pull site.
- Access road construction took place at CP31-2-E, CP31-2-N, CP31-2-PS-E, CP49-1-PS-E, CP49-1-PS-N, CP56-1-E-A, CP64-2-E, CP65-1-PS-N, CP98-N-B, CP99-N, and CP106-1-N (see Figure 5).
- Dexpan boulder breaking occurred at the CP55/CP56-1 pull site and CP56-1-E-A.
- Blasting was conducted at CP48-2.
- Tree trimming took place at CP106-1 (GE).
- Concrete was poured at CP70-3.
- Form cleanup occurred at CP70-3.
- Micropile drilling was conducted at CP78-2, CP79-1, CP80-2, CP81-1 (see Figure 6), and CP82-1.
- Tower assembly took place at CP71, CP72-2, CP73-2, CP74-2, CP75-1, CP106-1 (GE), CP107 (see Figure 7), CP108, and CP109-1.
- Ground rod testing occurred at CP74-2.
- Site cleanup was conducted at CP71, CP72-2, CP73-2, CP74-2, and CP75-1.
- QA/QC took place at CP106-1 and CP109-1.
- Rumble plates were installed at CP28-1.

BLM Lands, 220 kV Overhead Transmission Line:

- Micropile drilling occurred at CP58-1.
- Grouting was conducted at CP65-1, CP66-2, CP67-3 (GE), and CP68-1 (GE).
- Tower assembly took place at CP66-2, CP68-1 (GE).
- Ground rod testing occurred at CP67-3 (GE) and CP68-1 (GE).
- Site cleanup was conducted at CP65-1, CP66-2 (GE), CP67-3 (GE), and CP68-1 (GE).

MCAS Miramar (Federal) Lands, 220 kV Overhead Transmission Line:

- Vegetation removal occurred at CP6-1, CP7, CP12-1, CP14, and CP15-1.
- Grading was conducted at CP6-1, CP7, CP12-1, CP14, and CP15-1.
- Rumble plates were installed at CP6-1 and CP7.

MCAS Miramar (Federal) Lands, 69 kV Reconductoring Line:

- No work occurred during this reporting period.

MCAS Miramar (Federal) Lands, 12 kV Reconductoring Line:

- No work occurred during this reporting period.

US Forest Service Land:

- During this reporting period, the PALs were as follows: Monday: B, Tuesday thru Friday: C, and Saturday: A. Work activities ended each day in accordance with the Fire Plan and the approved EV letter as appropriate.
- Vegetation removal occurred at CP99-2 and CP100-1.
- Access road construction was conducted at CP100-1-N.
- Concrete was poured at CP69-2.
- Cleanup took place at CP69-2.
- Various micropile work (including capping, pile surveys, site benching, etc.) occurred at CP101-1, CP103-3, and CP105-1 (GE).
- Grouting was conducted at CP101-1, CP104-1 (GE), and CP105-1 (GE).
- Ground rod testing took place at CP69-2.
- Tower assembly took place at CP100-1, CP101-1, CP103-3, CP104-1 (GE), and CP105-1 (GE) (see Figure 8).
- QA/QC was conducted at CP100-1, CP103-3, CP104-1 (GE), and CP105-1 (GE).
- The temporary bridge over the waterline at CP69-2 and CP70-3 was removed.

**Environmental Compliance:**

1. Biological, Cultural, and Native American monitors were present as applicable during all transmission line construction activities.
2. BMPs were installed, refreshed, or maintained on tower sites, access roads, TSAPs, and pads associated with towers on Link 1:

Non-Federal Lands:

- Installed at EP213, EP217, EP219-1, and EP243/244 pull site.
- Hydromulching at EP185-1 and EP215 east pull site.

BLM Lands:

- Installed at EP170, EP176, EP181, EP187-2 pull site, EP192-2, EP200-3 pull site, EP202-3, EP202 pull site, and EP281 guard structure site.
- Maintained at McCain Valley Road and EP281.

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

Non-Federal Lands:

- EP84, EP85-2-E, EP89, EP89 pull sites, EP91, EP91 pull site, EP92, EP93, EP99-2, EP104-2-N, EP105-2-E-A, and EP105-2-E-B.

US Forest Service Lands:

- EP39-1-N-B, EP42-N, EP47-2 pull site, EP47-2-PS-N, EP47-2-PS-E, EP49-E, EP50-E, EP51-1-E, EP103A-2-N, and EP103-2-N.

BLM Lands:

- EP39-1-N-B, EP42-N, EP47-2 pull site, EP47-2-PS-N, EP47-2-PS-E, EP49-E, EP50-E, EP51-1-E, EP103A-2-N, and EP103-2-N.

4. BMPs were installed or refreshed on Link 4 (non-federal lands only):

- No BMP installations or repairs reported by SDGE.

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

Non-Federal Lands:

- BMP installation occurred at CP16-1, CP31-2 pull site, CP31-2-E, CP31-2-N, CP31-2-PS-E, CP49-PS-E, CP49-1-PS-N, CP48-2/CP49-1 pull site, CP55/CP56-1 pull site, CP56-1, CP56-1-E-A, CP64-2, CP64-2-E, CP65-1-PS-N, CP70-3, CP95-1/CP96-1 pull site, CP98-1-N-A, CP98-N-B, CP99-N, CP106-1, CP107, CP108, and CP109-1.
- Hydromulching was conducted at CP98-1-N-A, CP98-N-B, CP99-N, and CP106-1.

BLM Lands:

- No BMP installation occurred during this reporting period.

MCAS Miramar (Federal) Lands, 220 kV Overhead Transmission Line

- BMP installation occurred at CP6-1, CP7, CP8-2, CP9-1, and CP10.

MCAS Miramar (Federal) Lands, 69 kV Reconductoring Line:

- No BMPs were installed or maintained during the reporting period.

US Forest Service Lands:

- BMPs installation occurred at CP69-2 and CP100-1-N.
- Hydromulching was conducted at CP100-1-N.

6. One San Diego coast horned lizard (*Phrynosoma coronatum blainvillii*) was relocated from EP172. One rosy boa (*Lichanura trivirgata*) was relocated from EP277-1. (Link 1)
7. One Coronado skink (*Eumeces skiltonianus interparietalis*) was relocated from EP10-2. Three (3) silvery legless lizards (*Anniella pulchra pulchra*) were relocated; one (1) from EP104, one (1) from EP93, and one (1) from EP106. Two silvery legless lizards were found dead at EP103. One coast patch-nosed snake (*Salvadora hexalepis virgulata*) was relocated from EP36. (Link 2)
8. Minor leaks, drips, and releases on USFS lands were submitted to the USFS in a weekly HazMat log. (Link 2)
9. On November 14, 2011 it was noted to the Link Lead that there were large plumes of dust coming from micropile drilling at CP78. It was also noted that BMPs were breeched in several locations and that sediment was carried offsite (see Figure 9). (Link 5)
10. On November 15, 2011 there was an incident where a truck driver backed up and turned around in an unapproved project area resulting in deep ruts off right-of-way. A biologist verified that no sensitive biological resources were impacted. (Link 5)
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):**

USFS Representatives: Robert Paul, Ed Wieringa, Jennifer MacDonald, Timothy Cardoza

**SUBSTATION CONSTRUCTION AND UPGRADES**

**Summary of Activity:**

1. Suncrest Substation, Link 3 (non-federal lands): Bell Bluff Truck Trail (BBTT) was widened and repaved (including minor vegetation clearing) east of the gate. Pavement was ripped up east of the guard shack and the area was re-compacted. Material was removed east of the guard shack and final grading and placement of Class 2 base took place. Grading occurred on the northwestern section of the pad. Rock was crushed for select fill material. Utility trenches leading down to the entrance of the substation pad were excavated and backfilled. Pads were formed and concrete was poured. Trenching for conduit and the ground grid occurred in the southwest quadrant. Finish grading and Class 2 base was placed in the northwest quadrant of the pad. Work on the irrigation system on the south end of the substation occurred. Steel erection and transformer work was conducted on the pad (see Figure 10).
2. Imperial Valley (IV) Substation Upgrade (BLM lands): Crews staged equipment in the northwest corner of the substation. The foundation pads at Bay 4 were completed, along with erected steel frames and bus supports. Work continued inside the new storage warehouse.
3. San Luis Rey Substation (non-federal lands): Wiring occurred on the new Bank 70 and 230 kV transformer.
4. Encina Substation (non-federal lands): Crews worked on disconnects in Bays 2 through 6. The contractor excavated a new containment basin around the transformer installed on the east side of the control house, maintained BMPs, hauled fill dirt, and cleaned off driveway approaches on the eastern and northern gate entrances. A contractor installed conduit in and around the control house.
5. Sycamore Substation (non-federal lands): Crews worked on upgrades in Bay 21 and general wiring. Contractors installed security cameras. Materials were unloaded for a newly installed transformer buildout.

**Environmental Compliance:**

1. All applicable Biological, Cultural, Paleontological, and Native American monitors have been present during ground disturbing activities at all substations.
2. BMP repairs were made along BBTT and on the substation pad. BMP maintenance and installation took place at both the northern and southern detention basins. (Link 3)

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. Alpine Construction Yard – Materials staging and weed wash station operations occurred.
2. Alpine Headquarters – No significant activity occurred during the reporting period.
3. AER Yard – Materials staging, helicopter operations, and dust suppression occurred.
4. Barrett Canyon Yard – Grading of the access road, drilling, tower assembly, and brief helicopter activity occurred.

5. Bartlett-Hauser Yard – Water staging, helicopter operations, materials delivery, equipment staging, and weed wash station operations occurred.
6. Fromm Yard – Tower assembly, water staging, and dust suppression occurred.
7. El Monte Yard – Crew staging, equipment and materials staging, and helicopter operations
8. Helix Yard – Helicopter operations, grouting operations, equipment and materials staging, concrete and crew staging, weed wash station, water staging, and weed maintenance occurred.
9. Jacumba Valley Ranch (JVR) Yard – Helicopter operations, weed wash station, water and equipment staging, materials and concrete staging, crew staging, dust suppression, tower assembly, and hub for coordination of activities within Peninsular Bighorn Sheep (PBS) areas occurred.
10. Kreutzkamp Yard – Tower assembly, helicopter operations, weed wash station operations, water staging, and dust suppression, and air crane operations occurred.
11. Rough Acres Yard – Helicopter operations, materials staging, tower assembly, water staging, dust suppression and weed wash station usage was conducted.
12. SWAT Yard – Tower assembly, concrete staging, water staging, helicopter operations, weed wash station and dust suppression occurred.
13. S2 Yard – Equipment and materials staging, crew staging, helicopter operations, water staging, dust suppression, and hub for coordination of activities within PBS areas took place in the yard.
14. Sycamore Yard – Dust suppression, water staging, and weed wash station usage took place in this yard.
15. Wilson Yard – Materials were staged for Suncrest Substation. Helicopter operations, water staging, dust suppression and tower assembly also took place.

Federal Lands (BLM):

16. Dunaway Yard – No activity.
17. Imperial Valley Yard – No activity.
18. McCain Valley Yard – Tower assembly, helicopter operations, water staging, and dust suppression occurred.
19. Plaster City Yard – Staging for wire/line stringing, water staging, dust suppression, and removing rock helicopter pad for transfer to Thing Valley Yard occurred.

Federal Lands (USFS):

20. Thing Valley Yard – Steel delivery, helicopter pad construction (see Figure 11) and completion, rigging of towers, and minor grading for a water tank pad occurred.

**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 November 16, 2011 it was noted to the Link Lead that there was a minor amount of trash blowing around due to washout from the air crane rotors at Wilson Yard. Steps have been taken to ensure that all trash bins are covered in yards. (Link 3)

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 12/08/2011)

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.
Miramar	01/20/11	06/28/11	22	Overhead and substation construction.
USFS	07/29/11	08/09/11	6, 7, 10, 12,14,16	Links 1, 2, and 5 overhead construction on USFS 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 12/08/2011)

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.

Variance Request	Date Requested	Date Issued	Segment #	Description
#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.
#15	05/12/11	05/19/11	Link 2	Alternate access to EP 84.
#16	05/16/11	05/21/11	Link 4	Additional parking space for use during underground construction.
#17	05/18/11	05/24/11	Encina Substation	Driveway improvement.
#18	06/27/11	07/14/11	Link 1	Gate installation between mile markers 38.5 and 39.5.
#18 Mod	10/03/11	Under Review	Link 1	Alternative for installation of Gate #4.
#19	06/27/11	06/29/11	Link 1	Installation of training tower at Rough Acres Construction Yard.
#20	06/28/11	08/05/11	Link 5	Additional disturbance for access, pull sites and topsoil stockpile at CP48-2 to CP51-2.
#21	07/07/11	07/15/11	Link 1	Guard structure from EP255 to Imperial Valley Substation.
#22	07/08/11	08/04/11	Link 1	Fromm Construction Yard. Additional information submitted 08/04.
BLM DNA #1	07/19/11	08/05/11	Link 1	Minor modifications to portions of the Project on Bureau of Land Management lands.
#23	08/15/11	10/20/11	Links 1, 2, & 5	Additional landing platforms and TSAPS.
#24	08/25/11	08/29/11	Suncrest Substation	Additional vegetation clearing around construction trailers.
#25	09/01/11	09/09/11	Links 1 & 5	Extended use of approved TEWS areas for parking and staging.
#26	09/15/11	09/20/11	Link 2	Water tank installation at Barrett Canyon Yard.

Variance Request	Date Requested	Date Issued	Segment #	Description
#27	09/20/11	10/18/11	Link 1	Temporary Staging area near Mountain Springs Grade Rd.
#28	10/19/11	Denied	Link 3	Allow work to continue at Suncrest Substation during a Red Flag Warning (RFW) event.
#29	10/21/11	11/01/11	Links 1, 2, & 5	Additional guard structures identified for wire pulling activities.
#30	11/01/11	11/15/11	Links 1, 2, & 5	Temporary parking and turnaround areas.
#31	11/08/11	Retracted	Links 2 & 5	Request for site specific exemption of Condition 37 of NTP 13.
#32	11/15/11	Under Review	Links 1, 2, & 5	Additional workspace for wire pulling activities.
#33	11/28/11	Under Review	Links 1, 2, & 5	Additional workspace for structure access and wire pulling activities.
#34	11/29/11	12/02/11	Links 2 & 5	Extension of allowable work window within Golden Eagle buffer (MM B-7h).

**TABLE 3**  
**TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS**  
(Updated 12/08/2011)

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	04/06/11	04/07/11	Link 2	Northern access road to EP 79
TEWS #8	04/14/11	04/14/11	Link 2	Northeast spur of access road to EP 84
TEWS #9	05/17/11	05/24/11	Link 1	Use of SWPL tower sites for parking (EP331-341)
TEWS #10	05/24/11	05/24/11	Link 5	Parking and pullsite adjacent to Alliant University
TEWS #11	06/16/11	06/16/11	Link 1	Use of alternative access to EP 240, per the request of the landowner at JVR
TEWS #12	06/20/11	06/20/11	Link 1	Use of SWPL tower sites for parking (EP295-299)
TEWS #13	06/30/11	07/01/11	Link 1	Use of SWPL tower site for parking (EP324)
TEWS #14	07/01/11	07/01/11	Link 1	Use of SWPL tower sites for parking (EP300, EP302, EP306, EP307, EP312)
TEWS #15	07/06/11	07/06/11	Link 1	Use of SWPL tower sites for parking (EP294, EP303, EP304, EP305)
TEWS #16	06/30/11	07/07/11	Link 1	Additional parking along Mountain Springs Grade Rd.
TEWS #17	07/11/11	07/12/11	Link 5	Parking near CP20
TEWS #18	07/11/11	07/12/11	Link 5	Parking near CP24

TEWS Request	Date Requested	Date Approved	Segment #	Description
TEWS #19	07/11/11	07/12/11	Link 5	Parking near CP29
TEWS #20	07/18/11	07/19/11	Link 1	Parking near EP314
TEWS #21	07/22/11	07/25/11	Link 1	Parking near EP315
TEWS #22	07/26/11	07/26/11	Link 1	Parking near EP291-293
TEWS #23	08/05/11	08/05/11	Link 1	Parking near EP290
TEWS #24	08/09/11	08/10/11	Link 2	Parking near EP90/EP91
TEWS #25	09/07/11	09/07/11	Link 5	Temporary use of access road near El Monte Rd (12 kV)
TEWS #26	09/13/11	09/13/11	Link 2	Temporary use of access road near Barrett Substation
TEWS #27	09/29/11	09/30/11	Link 1	Parking near EP248.
TEWS #28	09/28/11	10/03/11	Link 1	Parking and Staging area adjacent to EP301.
TEWS #29	09/13/11	09/13/11	Link 2	Placement of Water Tank at Barrett Substation.
TEWS #30	10/06/11	10/06/11	Link 1	Parking and Staging at Chevron Gas Station on Carrizo Gorge Rd.
TEWS #31	11/09/11	11/10/11	Link 1	Parking at EP252A-1 and EP254-3-E.
TEWS #32	11/09/11	11/15/11	Link 5	Temporary material and equipment staging area off of Willows Rd.

#### NON-COMPLIANCES & INCIDENTS

CPUC Stop Work Orders, Project Memorandum (PM) and Non-Compliance Reports (NCR), and U.S. Army Corps Non-Compliances (NC) that have been issued to date are presented in Table 4.

**TABLE 4**  
**NON-COMPLIANCES (NC) AND PROJECT MEMORANDA (PM)**  
(Updated 12/08/2011)

Type	Date	Location	Description
PM #1	12/07/10	Thomas Yard	Failure to report unanticipated biological resources within 48 hours.
PM #2	02/11/11	EP 242, Link 1	Unauthorized ground disturbance at EP 242
NC #1	03/08/11	Suncrest Substation	Army Corp of Engineers issued Non-Compliance for not complying with Special Conditions 19, 21 and 23 of DA Permit SPL-2007-00704-SAS.
PM #3	03/15/11	CP 67-3, Link 5	Staking crews operating and delivered by helicopters within Golden Eagle Buffer area.
PM #4	04/06/11	Swat Yard	Unauthorized Nest Removal from a water truck at SWAT Construction yard.
PM #5	05/16/11	EP 340, Link 1	Operation of water trucks outside of approved disturbance areas at EP 340.
PM #6	09/16/11	EP271, Link 1	Construction activities commenced at EP271 prior to the arrival of biological monitor.
Stop Work Order	09/27/11	Helicopter Operations	A pattern of helicopter incidents posed a serious concern for the safety of the general public.

Type	Date	Location	Description
PM #7	09/28/11	AER CY	Construction crew entered AER CY prior to Peninsular Bighorn Sheep monitor clearing the site.
NCR #1	09/28/11	Link 1	CPUC issued NCR for breaching a marked Environmentally Sensitive Area (ESA), construction activity without proper monitor present, and failing to communicate the event in a timely fashion.
FS NCR #1	10/27/11	Links 2 & 5	FS SUP Exhibit 4 and Traffic Control Plan violations.
NCR #2	10/27/11	Link 1	Peninsular Bighorn Sheep Construction Monitoring Plan violations.
FS NCR #2	11/03/11	Links 2 & 5	Fire Plan and Traffic Control Plan violations.
FS NCR #3	11/30/11	Links 2 & 5	Tower assembly, erection and wire stringing work is suspended for towers not associated with Golden Eagle buffers on the Cleveland National Forest until resolution of all noncompliance colorization issues are agreed upon by the Forest Service

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

**TABLE 5**  
**PROJECT INCIDENTS**  
(Updated 12/08/2011)

Type	Date	Location	Description
Incident	11/01/10	White Star	Delivery of a rebar cage outside of the approved disturbance area.
Incident	02/17/11	EP 244, Link 1	Nest incorrectly marked at entrance to EP 244.
Incident	02/18/11	Alpine HQ	Emergency weather landing and storage of 3 helicopters at Alpine HQ.
Incident	03/12/11	EP 252, Link 1	Bulldozer was delivered at site prior to CPUC clearance being given.
Incident	03/15/11	EP 214, Link 1	Dewatering approximately 1 gal of groundwater from an excavation hole without having submitted a dewatering plan to the CPUC.
Incident	04/06/11	JVR 12 kV, Link 1	Confusion on approved work areas due to varying maps having been distributed to workers and monitors.
Incident	04/07/11	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.
Incident	05/05/11	Link 4	Three small fires were reported on Link 4 Underground. Fire tools were used by the on-site fire patrol to immediately respond per the Sunrise Fire Plan. Notification to Alpine Fire was made.
Incident	05/17/11	Link 1	BMP crew drove off the road between EP345 and EP346 and park within the ESA boundary.
Incident	06/07/11	Link 1	During the aerial delivery of a structure body to EP339, approximately 200 ft outside of Plaster City Yard, the piece fell from the Aircrane. No injuries have been reported.

Type	Date	Location	Description
Incident	06/10/11	Link 1	During the aerial delivery of a structure layback to EP 339, at the EP 339 construction site, 3 of the 4 hooks released and caused an emergency placement of the steel at the site. While in the process of placing on the ground, the 4 <sup>th</sup> hook released and the tower fell to the ground. No injuries have been reported.
Incident	07/07/11	Link 1	A project water tanker was stuck on the side of Evan Hughes Highway and released approximately 1,000 gallons of potable water into Coyote Wash, after pulling over to evaluate a bridge crossing. All necessary notifications were made.
Incident	07/07/11	Link 5	Construction vehicles, including project fire truck, were noted to be outside of approved disturbance areas at CP40 and CP41. Link leads were notified and immediate corrective action was taken.
Incident	07/11/11	Link 1	A skid fell off the KMax Helicopter while en route to a tower site. The skid was within the Project ROW and no injuries were reported. The item was retrieved on foot.
Incident	07/28/11	Link 1	Unapproved disturbance of approximately 50'x100' occurred during the grading operations of the AER yard. No resources were impacted.
Incident	08/04/11	Link 1	An air compressor was dropped approximately 500 ft north of EP327, from a KMax helicopter while in transit to a micropile site. Approximately 50-60 gallons of diesel was spilled in an area of approximately 75' in diameter. Site has been cleared and appropriate agencies have been contacted.
Incident	08/05/11	Link 3	Small fire resulted from excavation activities along BBTT. Burned an area approximately 50'x50' prior to it being extinguished. Notifications were made immediately.
Incident	08/13/11	Link 2	Accident along Lyons Valley Rd, where a project truck went off the embankment by 300'. No injuries reported. Assessment team was sent to the site and notifications were made.
Incident	08/15/11	Link 2	Sparks caused by loose chain from a project vehicle interacting with the roadway started a 2-acre fire. The fire was extinguished and proper notifications were made.
Incident	08/18/11	Link 2	An unsteady load caused a forklift to fall to its side at EP 91. A small spill of hydraulic fluid took place, all disturbance was contained within the established work area, and no injuries were reported.
Incident	08/22/11	Link 1	Crew member threw a rock and knocked down a rock cairn located within an ESA. Appropriate agencies were notified.
Incident	09/08/11	Link 2	CPUC EM noted a water truck entering EP91 after not having stopped at designated wash station. Corrective action was taken.
Incident	09/12/11	Link 5	Crew performed minor clearing prior to the arrival of biological monitor.
Incident	09/13/11	Link 5	Crew performed minor clearing prior to the arrival of biological monitor.

Type	Date	Location	Description
Incident	09/15/11	Link 5	Micropile platform at CP67-3 rolled 50' downhill after unstable placement. A helicopter removed from site to limit damage. Minor vegetation damage that was surveyed by onsite biologist.
Incident	09/19/11	Link 2	Small fire near EP42 started due to excavator hitting a rock during grading operations. This was immediately put out by onsite personnel using their required fire supplies.
Incident	09/19/11	Link 2	2 Micropile pipes were dropped during helicopter operations near CP107 and rolled down hill to injure a worker trying to stop them. Minor vegetation damage that was surveyed by onsite biologist.
Incident	09/20/11	Link 1	Trackout from EP252 was noted to Link Lead and was immediately remedied.
Incident	09/20/11	Link 1	Project vehicles were noted to parking outside of the approved project disturbance. Link Lead was notified and vehicles were immediately relocated.
Incident	09/21/11	Link 1	Dozer operator drove approximately 260 ft off of ROW near EP322. Area was surveyed Cultural and Biological monitor.
Incident	09/21/11	Link 3	Approximately 800 gallons of potable water was released from Northern Sediment basin. Appropriate agencies were notified.
Incident	09/22/11	Link 3	Plywood load from helicopter dropped within substation boundaries. No injuries were reported.
Incident	09/23/11	Link 1	Improperly covered foundations holes were noted to the Link Lead. Follow up was performed with crews.
Incident	09/26/11	Link 1	Straw wattles en route via helicopter dropped into open area. No injuries were reported.
Incident	10/12/11	Link 1	A drill rig pulled to the side of the access road near EP185/EP186 and inadvertently crushed vegetation.
Incident	10/12/11	Link 4	Approximately 50 gallons of diesel fuel was released immediately off of Puetz Valley Rd. Site was cleaned and stained soils removed. Appropriate agencies were contacted.
Incident	10/19/11	Link 1	A door fell off a helicopter near Plaster City Yard close to EP332. No injuries were reported.
Incident	11/03/11	Link 1	Injury occurred when a tower leg fell onsite. Events surrounding the incident are still undergoing investigation. Disturbance occurred outside of approved areas. Biological/cultural monitors reviewed and found no resources to be damaged.
Incident	11/05/11	Link 5	Sediment off ROW at CP55/56 access road.
Incident	11/09/11	Link 2	Landing of project helicopter on unapproved disturbance areas.
Incident	11/15/11	Link 5	Off ROW incident along access road to CP65/66 pull site.
Incident	11/16/11	Link 1	Off ROW incident along access road to EP 226/227 pull site.
Incident	11/16/11	Link 3	Trash noted to be blown around during Air Crane activities at the Wilson Yard.

## CONSTRUCTION PROGRESS

Table 6 provides a summary of construction progress through the end of the subject reporting period, with the exception of towers released for construction which reflects towers released to date.

**TABLE 6**  
**CONSTRUCTION PROGRESS**

Agency	Total Towers	Released for Construction thru 12/07/11	Foundations Completed	Towers Erected	Wire Installed
Non-Federal	169	169	86	52	14
Bureau of Land Management	180	180	121	86	58
US Forest Service	75	75	19	6	0
Miramar	12	12	3	3	0
Total	436	436	229	147	72



## PROJECT PHOTOGRAPHS



**Figure 1:** Helicopter view of tower erection at EP42 looking east toward the mile span and EP43. (Link 2)



**Figure 2:** Brush clearing/boulder busting crew at EP6-1 TSAP. (Link 2)



**Figure 3:** EP140-1 with micropile caps installed. (Link 2)



**Figure 4:** Helicopter view looking north to Tower EP141 and pull site. (Link 2)





**Figure 5:** Grading access road to CP106-1. (Link 5)



**Figure 6:** Micropile drilling at CP81-1. (Link 5)



**Figure 7:** Aircrane setting bridge at CP107. (Link 5)



**Figure 8:** Aircrane getting ready to pick a tower at Wilson Yard. (Link 3)





**Figure 9:** Breached BMPs with sediment going offsite at CP70-3. (Link 5)



**Figure 10:** Panoramic view of Suncrest Substation. (Link 3)



**Figure 11:** Helicopter pad construction at Thing Valley Construction Yard. (Link 2)



**Figure 12:** Traffic control on USFS land along La Posta Road. (Link 2)