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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:** March 2, 2012  
**Subject:** Weekly Report 74 – February 12 to February 18, 2012

**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:

- Final grading occurred at EP215 pull site north and both EP219-1 pull sites.
- Micropile cap work was conducted at Towers EP233-1 and EP234-1.
- Tower assembly took place at EP221A, EP234-1, and EP235-1.
- QA/QC occurred at EP225-1, EP229-1, and from EP337 to EP339.
- Guard structures poles and netting were removed from EP219-1.
- Conductor and OPGW were installed and sagged from EP178 to EP187-2.
- Punchlist items (miscellaneous tower work) were addressed at EP358 and EP359.

BLM Lands:

- Final grading occurred from EP342 to EP352 (including pull sites).
- Micropile cap work was conducted at EP146.
- Tower assembly took place from EP172 to EP174, EP190-2, EP191-2, EP194-3, EP195-2, and from EP246 to EP249-1).
- QA/QC occurred from EP313 to EP336 and from EP340 to EP351.
- Equipment was mobilized to EP170.
- Sock line and travelers were installed from EP170 to EP177.
- Conductor and OPGW were installed and sagged from EP178 to EP187-2.
- Clipping took place at EP186-1.



- Line tension adjustments were made at EP357 and EP361.
- Tower assembly occurred at EP191 (see Figure 1).
- Punchlist items (miscellaneous tower work) occurred at EP315-1 and from EP324 to EP336.

2. Link 2, 500 kV Overhead Transmission Line:

Non-Federal Lands: EP 5, 4-5 pieces of cribbage, FS lands

- Grading occurred at EP105-2.
- Access road construction occurred at EP66-E.
- Pre-blast drilling occurred at EP65-1.
- Conventional drilling, concrete pouring and site prep occurred at EP67.
- Concrete anchor blocks were set at EP86-1.
- Concrete was poured at EP66 and EP67.
- Steel cages were set at EP66.
- Ground resistance testing occurred at EP26-1, EP27-1, EP30-2, and EP32-1.
- Equipment mobilization and micropile drilling occurred at EP119-2.
- Micropile cap work occurred at EP80, EP81, and EP86-1.
- Grouting occurred at EP106-3.
- Tower assembly occurred at EP26-1, EP30-2, and EP104-2.
- Miscellaneous tower work (anti-climbing guards, bird deterrents, and/or signage) occurred at EP106-3 and EP107-3.
- Steel was delivered to EP93.
- QA/QC occurred at EP26-1, EP27-1, and EP30-2.
- Cattle guards and arroyo toad fencing were installed and maintained from EP76-2 to EP78A.

BLM Lands:

- Vegetation maintenance occurred at EP48 and EP102A-1.
- Grading occurred at EP103A.
- Access road construction and boulder breaking occurred at EP68.
- Micropile drilling occurred at EP102A-1 and EP103-2.
- Grouting occurred at EP101-2 and EP102-3.
- Ground resistance testing occurred at EP39-1.
- Steel was delivered to EP95.
- Tower assembly occurred at EP94, EP96, EP97, EP98-1, EP99-2, and EP103A.
- Miscellaneous tower work (anti-climbing guards, bird deterrents, and/or signage) occurred at EP101-2 and EP102A-1.
- Arroyo toad fencing was installed and/or maintained from EP76-2 to EP78A.

US Forest Service Lands:

- During this reporting period, the PALs were as follows: Monday: A, Tuesday: A, Wednesday: A, Thursday: C, Friday: C, and Saturday: C. Work activities ended each day in accordance with the Fire Plan and the approved EV letter as appropriate.
- Vegetation maintenance occurred at EP130.
- Access road construction occurred at EP11-3-N.
- Driveway work occurred at EP105-2-E-A.
- Gate work occurred at EP116-1 and EP125-N.

- Site preparation occurred at EP11-3, EP12-3, EP13-3, EP14-1, EP15, EP16-1, EP17, EP18, EP20-2, EP21-1, EP23-2, EP24-1, EP28-3, EP29-3, EP33-1, EP34-1, and EP37-2.
  - Micropile drilling occurred at EP108-2, EP110-2, EP114-2, EP116-1, EP117-2, EP122-1, and EP128.
  - Micropile capping occurred at EP6-1, EP7-1, EP8-2, and EP22-1.
  - Pull test occurred at EP8-2.
  - Ground resistance testing occurred at EP9-1.
  - QA/QC occurred at EP13-3, EP17, EP28-3, EP29-2, EP108-2, and EP116-1.
  - Tower assembly occurred at EP113-5.
  - Concrete anchors were placed at EP7-1, EP8-1, EP19-1, EP20, EP23-2, EP108-2, EP113-5, EP114-5, EP115-1, EP121-3, and EP129.
  - Evacuation route reconnaissance occurred at EP5, EP6, EP7, and EP29.
3. Link 4, 220 kV Underground Transmission Line (non-federal lands only):
- Revitalization occurred at Alpine Blvd.
  - Grading occurred at Bauer Property.
  - Cooling line work occurred at the Caltrans bore site.
  - Raised necking & paving occurred at V2R, V11R, V14R, and V19L.
  - Gate installation occurred at the Loritz Property.
  - Grouting occurred at V1L, V1R, V2R, V11R, V14R, V15R, V17L, and V19R.
  - Fiber phase comparison occurred at V3R, V4R, V5R, V6R, V7R, V8R, V9R, V12L, V14L, V15L, V16L, V17L, V18L, V19L, and V20R.
  - Manhole preparation occurred at V15L, V20L, and V20R.
  - Sending & receiving occurred at the Caltrans bore site.

Link 5:

Non-Federal Lands, 220 kV Overhead Transmission Line:

- Grading occurred at CP95-1.
- Access road construction occurred at CP49-1-PS-N.
- Micropile drilling occurred at CP33-2 and CP36-1.
- Grouting occurred at CP32-2, CP34-2, CP35-2, CP36-1, CP43-1, CP47-2, CP63-3, and CP64-2.
- Micropile trimming occurred at CP32-2, CP33-3, CP36-1, CP43-1, and CP47-2.
- Micropile cap work occurred at CP32-2, CP33-2, CP35-2, and CP47-2.
- Pull tests occurred at CP27, CP28-1, and CP31-2.
- Tower assembly occurred at CP26, CP27, CP28-1, CP31-2, CP39, CP44-1, CP45-1, CP46-2, CP47-2, CP48-2, CP49-1, CP60, CP62-2, CP63-3, and CP64-2.
- Cleanup occurred at CP27, CP28-1, CP29-1, CP52, and CP53-1.
- Ground rod installation occurred at CP42-1, CP47-2, CP47A-1, CP63-3 and CP74-2.
- Ground rod pre-test occurred at CP62-2.
- Anchor blocks were set at CP42-2, CP46-2, and CP49-1.
- Jumpers were installed at CP75-1, CP83, and CP86.
- Wire set up occurred at CP23-1 pull site.
- Conductor was separated and spliced at CP87-1/CP88-1 riser poles.

- Clipping in occurred at CP75-1, CP76-1, CP77, CP78-2, CP80-2, CP81-1, CP82-1, CP85-1, CP86, CP87-1, and CP88-1.
- Dead end work occurred at CP83 and CP86.
- Marker ball installation and sagging occurred from CP75-1 to CP88-1 (see Figure 2).
- Reconnecting of the 12 kV line between CP75-1 to CP78-2 occurred.

BLM Lands, 220 kV Overhead Transmission Line:

- Micropile grouting occurred at CP60.
- Tower assembly occurred at CP60 (see Figure 3).

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

- Access road construction occurred at CP10 and CP11-1.
- Marker ball installation occurred from CP3 to CP6.

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: A, Tuesday: A, Wednesday: A, Thursday: C, Friday: C, and Saturday: C. Work activities ended each day in accordance with the Fire Plan and the approved EV letter as appropriate.
- No work occurred on USFS land during the reporting period.

### **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:

- BMP maintenance and installation at tower sites, pull sites, and guard structure sites occurred at EP183, EP185-1, EP199-3, from EP207 to EP245-1, and from EP252-1 to EP255-2.
- Weed abatement was conducted at EP256.

BLM Lands:

- BMP maintenance and installation at tower sites, pull sites, and guard structure sites occurred from EP149-1 to EP152-2, from EP170 to EP175 (including EP170 pull site east), EP181, EP187-2 pull site to EP198-3, from EP200-3 to EP206-1, from EP246 to EP251, and from EP314 to EP315-1.
- BMP maintenance and installation on access roads was conducted from EP173-1-E to EP204-3-E (see Figure 4).
- Weed abatement took place at HMMP site near EP265-2, from EP290 to EP304-2, and EP306 to EP312 (including the pull site).

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

Non-Federal Lands:

- BMP installation and maintenance occurred at EP11-3-N, EP25-2, EP26-1, EP27-1, EP30-2, EP31-1, EP32-1, EP52-1, EP54-1, EP62A-1, EP65-1, EP66, EP67, EP67-PS-E, EP67-PS-W, EP80 to EP85, EP83 pull site, EP86-1 to EP89-1, EP89 1 pull site, EP91 to EP93, EP91 pull

site, EP104-2, EP105-2, EP106-3, EP107-3, GS-NF-14, GS-NF-15, GS-NF-16, GS NF-17, GS-NF-18, GS-NF-23, GS NF 24, GS NF 25 and GS-NF-28.

US Forest Service Lands:

- BMP maintenance occurred at EP9-1, EP9-1-N, EP11-3-N, EP11-3, EP12-3, EP15, EP21-1 to EP24-1 (with pull sites), EP33-1, EP34-1, EP35-1, EP36-1, EP57-2, EP58-2, EP112-3, EP112A-1, EP113-5, EP113-5 pull site, EP115-1, EP116-1, EP121A-1, EP123-1, EP124, EP126-1 to EP131, EP125 pull site, EP130-1 pull site, EP138-2-E-A, EP138 2 E-B, EP141-E-B, EP141-E-C, GS-USFS-2, GS-USFS-3, GS-USFS-4, and GS-USFS-5 (see Figure 5).

BLM Lands:

- BMP maintenance occurred from EP39-1 to EP42 pull site, EP47-2 to EP69 (and guard structures), EP70 to EP74-1, EP91 pull site, EP94 to EP99-2 pull site, EP101-2 pull site, and EP101-2 to EP103A.

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

- BMPs were installed and/or refreshed along the entire ROW of Link 4.

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

Non-Federal Lands:

- BMP installation and maintenance occurred from CP15-1 to CP31-2, CP23 pull site (see Figure 6), CP27 to CP36-1, CP37-2 to CP44-1, CP48-2 to CP49-1, CP53-1, CP54-1 to CP65-1, CP72 to CP84, CP95/CP96 pull site, CP98-1, and CP99-N.

BLM Lands:

- No BMP activity occurred during the reporting period.

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

- BMP installation and maintenance occurred from CP3 to CP15-1 (including guard structures).

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

- No BMP activity occurred during the reporting period.

US Forest Service Lands:

- BMP maintenance occurred at CP100-1-N and CP100-1.

6. Three silvery legless lizards (*Anniella pulchra*) were relocated: one from EP14-1, one from EP104-2, and one from EP109-1. One coast horned lizard (*Phrynosoma blainvillii*) was relocated from EP12-3. (Link 2)

7. On February 13, 2012, it was noted to the Link Lead that several contractor vehicles were parked outside of the right-of-way and on brush (see Figure 7) adjacent to Cameron Truck Trail near EP109 egress route. (Link 2)

8. Minor leaks, drips, and releases on USFS lands were submitted to the USFS in a weekly HazMat log.

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

No CPUC 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, Dana Barre.

## **SUBSTATION CONSTRUCTION AND UPGRADES**

### **Summary of Activity:**

1. Suncrest Substation, Link 3 (non-federal lands): Bell Bluff Truck Trail (BBTT) was paved above the substation pad (see Figure 8). Rock was crushed for class 2 base and select fill material. Reinforcing rebar was placed in the brow ditch along the entrance road to the substation pad. Grounding grid installation activities took place in the northern portion of the pad. Final grading occurred around the maintenance shelter and class 2 base was placed. Insulators and conductors were installed in the 230 kV and 500 kV yards. Wiring continued in the control shelter. The steel frame was erected for the warehouse. Fence installation around the substation perimeter continued. The second coat of paint was put on the water tank (see Figure 9). The chlorination/pump foundation was poured for the water tank.
2. Imperial Valley (IV) Substation Upgrade (BLM lands): No Sunrise Powerlink related work occurred during this reporting period.
3. San Luis Rey Substation (non-federal lands): Wiring crews worked inside the control house.
4. Encina Substation (non-federal lands): Crews performed wiring work near the control house. Contractors built forms outside the 138 kV switchyard and organized materials for upcoming work. Security camera wiring was installed in the 230 kV switchyard.
5. Sycamore Substation (non-federal lands): Crews built disconnects and bus for 69 kV upgrades in southern portion of substation. Several ends of the bus have been sealed or blocked to prevent birds from building nests. Contractors viewed future wiring sites in Bays 21 and 26. Crews worked on a circuit breaker in Bay 26.

### **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 repair occurred along BBTT. (Link 3)

No CPUC 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 – Equipment/Materials staging, water staging, dust suppression, weed wash station operations, and staging for ESA, driveway, road, BMP, gate, and conventional foundation crews occurred.
2. Alpine Headquarters – No significant activity occurred during the reporting period.
3. AER Yard – Yard has been restored.
4. Barrett Canyon Yard – Staging for BMP crews occurred.
5. Bartlett-Hauser Yard – Water staging, helicopter operations, weed wash station operations, dust suppression, tower assembly, repair of access road BMPs, and staging for hauling, micropile, erection, toad survey, QC, vegetation assessment, bird survey, and BMP crews occurred.
6. Fromm Yard – No work occurred at this yard during this reporting period.

7. El Monte Yard – Helicopter operations, vegetation maintenance, and staging for tower hooking, assembly, and wire crews occurred.
8. Helix Yard – Helicopter operations, weed wash station operations, dust suppression, vegetation maintenance, hooking, tower assembly, and staging for micropile, assembly, habitat assessment, wire, erection, BMP, and QC crews occurred.
9. Jacumba Valley Ranch (JVR) Yard – Helicopter operations, weed wash station, dust suppression, tower assembly, and water staging. Also used for staging QC, habitat assessment, HMMP implementation, BMP, and erection crews.
10. Kreuzkamp Yard – Helicopter operations, weed wash station operations, water staging, dust suppression, and staging for road, conventional foundation, erection, micropile, and BMP crews occurred.
11. Rough Acres Yard – Helicopter operations, tower assembly, water staging, dust suppression, equipment and materials staging, and usage of the weed wash station took place. This yard was also used for staging erection, QC, conventional assembly, wire, habitat assessment, road, micropile, and BMP crews.
12. SWAT Yard – Water staging, helicopter operations, dust suppression, tower assembly, weed wash station operations, and staging for gate, erection, micropile, road, conventional foundation, QC, and BMP crews occurred.
13. S2 Yard – Site restoration and seeding occurred. This yard was also used for staging film crews, BMP, habitat assessment, and road crews.
14. Sycamore Yard – Dust suppression, helicopter operations, water staging, tower assembly, and staging for road, micropile, QC, and BMP crews occurred.
15. Wilson Yard – Helicopter operations took place. The yard was also used for staging micropile and QC crews.

Federal Lands (BLM):

16. Dunaway Yard – Yard has been restored.
17. Imperial Valley Yard – Yard has been restored.
18. McCain Valley Yard – Helicopter operations, dust suppression, tower assembly, weed wash station usage, and water staging took place.
19. Plaster City Yard – Water staging for restoration activities.

Federal Lands (USFS):

20. Thing Valley Yard – Helicopter operations, water staging, dust suppression, concrete block delivery (see Figure 10), and staging for road, gate, BMP (see Figures 11 & 12), and micropile crews 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.

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 03/02/2012)

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 03/02/2012)

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.
#29 Mod	01/04/12	01/06/12		Modification to guard structure location.
#30	11/01/11	11/15/11	Links 1, 2, & 5	Temporary parking and turnaround areas.
#30 Mod	02/09/12	02/09/12	Links 5	Modification to perform long lining activities.
#31	11/08/11	Retracted	Links 2 & 5	Request for site specific exemption of Condition 37 of NTP 13.
#32	11/15/11	12/09/11	Links 1, 2, & 5	Additional workspace for wire pulling activities.
#32 Mod	01/04/12	01/06/12		Modification to guard structure location
#33	11/28/11	12/16/11	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 GE buffer (MM B-7h).
#35	12/22/11	01/04/12	Link 5	Improvements to existing road & drainage, Simpson property.
#36	01/20/12	02/08/12	Links 1, 2, & 5	Variance to allow vegetation clearing between January 15 through February 14.
#37	01/20/12	02/08/12	Links 1, 2, & 5	Temporary placement of concrete blocks outside of approved work areas.
#38	02/10/12	02/22/12	Link 5	Gate installation near CP55.
#39	02/10/12	Under Review	Link 5	Additional work space at CP23 pull site.

**TABLE 3**  
**TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS**  
(Updated 03/02/2012)

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 Request	Date Requested	Date Approved	Segment #	Description
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 #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.
TEWS #33	02/09/12	02/09/12	Link 5	Additional parking area between CP75 to CP88.

## NON-COMPLIANCES & INCIDENTS

CPUC and USFS 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 03/02/2012)

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

Type	Date	Location	Description
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 GE 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.
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 GE buffers on the Cleveland National Forest until resolution of all noncompliance colorization issues are agreed upon by the Forest Service
NCR #3	12/29/11	Link 1	Peninsular Bighorn Sheep Construction Monitoring Plan violations.
NCR #4	01/04/12	Link 1	Peninsular Bighorn Sheep Construction Monitoring Plan violations.
FS Stop Work Order	01/07/12	Links 2 & 5	Third non-compliance for violating the Forest Service Fire Plan.
FS NCR #4	02/01/12	Link 2	Failure to make timely notification following rope/wire drop between CP100 to CP99.
FS NCR #5	02/06/12	Links 2 & 5	Helicopter incursions into Golden Eagle Habitat Buffers.
NCR #5	02/08/12	Link 1	Construction outside of approved work spaces, intrusion into ESA, and violation of Desert Pavement Plan.

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

**TABLE 5**  
**PROJECT INCIDENTS**  
(Updated 03/02/2012)

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.
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.

Type	Date	Location	Description
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.
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.

Type	Date	Location	Description
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.
Incident	11/22/11	Link 5	Track out noted on El Monte Rd from access in/out of CP64/65 pull site. Street sweeper was dispatched.
Incident	12/03/11	Link 1	PBHS habitat violation with low elevation flights in restricted areas.
Incident	12/04/11	Link 1	PBHS habitat violation with low elevation flights in restricted areas.
Incident	12/22/11	Link 1	PBHS habitat violation with entry into Fromm Yard prior to clearance from PBHS biologists.
Incident	12/27/11	Link 1	Two PBHS habitat violation with low elevation flights in restricted areas.
Incident	01/09/12	Link 2	Road crew operating without an Arroyo Toad Monitor present at EP50, Arroyo Toad suitable habitat. Crew was retrained of the importance of a monitor being present during operations.

Type	Date	Location	Description
Incident	01/10/12	Link 2	Foundation crew damaged an oak tree during mobilization effort at EP49. Crew was retrained.
Incident	01/12/12	Link 1	Parking along McCain Valley Rd not in designated disturbance areas. Link Leads corrected immediately.
Incident	01/12/12	Link 5	A dozer failure led to disturbance outside of approved ROW by 15 feet near CP59. All personnel were safe and restoration efforts are in process.
Incident	01/13/12	Link 2	An unanticipated release of a compressor mid-flight approximately 400ft North of Kreuzkamp CY. No injuries or damage to property occurred. Investigation to helicopter hook system is ongoing.
Incident	01/17/12	Link 2	Crew entered access road to EP73/74, Arroyo Toad suitable habitat, prior to the 2 hr waiting period following dawn and biological monitor clearance. Crew was spoken to and better signage is to be installed.
Incident	01/18/12	Link 1	Concrete blocks were placed outside of approved disturbance area at EP224/5 prior to the approval of Variance #37. To limit disturbance, blocks have been left, but cannot be used until approval of the variance.
Incident	01/18/12	Link 1	Assembly crew arrived at EP177 prior to an approved bird survey having been conducted and submitted. Crews were ushered out by onsite avian biologist performing said survey.
Incident	01/18/12	Link 1	Foundation crew entered PBHS habitat at EP256 outside of approved work window. They were escorted out by monitors at a nearby site upon noticing. GF for crew was released by the project and a standdown with GF and foreman was performed on 01/23/12.
Incident	01/19/12	Link 2	Bird strike occurred during helicopter operations near EP33. Monitors on board believed the bird to be a swallow, but no remains were found to confirm.
Incident	01/20/12	Link 5	Wire dropped between CP96 and CP100 during wire operations. No resources were found to be damaged, hurt or killed.
Incident	01/20/12	Link 5	Gate left open for access road to pull site between CP64/65 and released livestock that was present. Monitors were brought onsite to herd them back into the pen and ensure security of the gate.
Incident	01/24/12	Link 5	Helicopter breached the GE buffer at Bell Bluff region approximately 621 feet. No resources impacted.
Incident	01/25/12	Link 5	Helicopter was noted by CPUC EM to have landed outside of approved project workspace. Correction was made immediately and discussion was had with pilot about landing in only approved areas.
Incident	01/26/12	Link 5	Helicopter breached the GE buffer at the Bell Bluff region approximately 521 feet. No resources impacted.
Incident	01/27/12	Link 2	Helicopter breached the GE buffer at the Thing Valley region approximately 161 feet. No resources impacted.

Type	Date	Location	Description
Incident	01/31/12	Link 1	Fuel tanker was refueling a smaller fuel truck for use by project helicopters in unapproved workspace near JVR. Link Lead made immediate correction and spoke to crew.
Incident	02/01/12	Link 2	Helicopter breached the GE buffer at the Thing Valley region by an unknown amount. No resources impacted.
Incident	02/13/12	Link 2	Several contractor vehicles were parked outside of the ROW on brush adjacent to Cameron TT near EP109. Link Lead was contacted and item was corrected.
Incident	02/24/12	Link 2	Helicopter dragged a long line through vegetation outside of workspace at EP109. Minor vegetation impacts.
Incident	02/25/12	Link 5	Helicopter experienced a hard landing at the Sycamore CY and damage was incurred. No injuries or impacts were noted. Investigation is ongoing.
Incident	03/02/12	Link 2	Kmax helicopter dropped cribbing near EP5. No reports of injuries or impacts.

## 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 03/02/12	Foundations Completed	Towers Erected	Wire Installed
Non-Federal	169	169	152	113	67
Bureau of Land Management	179	179	161	128	102
US Forest Service	76	76	35	17	17
Miramar	14	14	14	14	11
Total	438	438	362	272	197

## PROJECT PHOTOGRAPHS



**Figure 1:** Conventional tower assembly at EP191. ([Link 1](#))



**Figure 2:** Wire pulling operations at CP88-1. ([Link 5](#))



**Figure 3:** Crews erecting a tower at CP. (Link 5)



**Figure 4:** BMP maintenance and repair work along McCain Valley Road. (Link 1)



**Figure 5:** BMPs along La Posta Road overrun during a storm event.



**Figure 6:** Pull site at CP23 with slope restored and BMPs in place. (Link 5)



**Figure 7:** Vehicles parked on brush outside of the right-of-way near EP109. (Link 2)



**Figure 8:** Paved upper section of BBTT. (Link 3)



**Figure 9:** New water tank color at Suncrest Substation. (Link 3)



**Figure 10:** Concrete block set in brush at EP114. (Link 2)



**Figure 11:** BMPs at Thing Valley Yard overrun with water during a storm event. (Link 2)



**Figure 12:** Water leaving Thing Valley Yard during a storm event. (Link 5)