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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 6, 2012
Subject: Weekly Report 79 – March 18 to March 24, 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.

TRANSMISSION LINE CONSTRUCTION

Summary of Activity:

1. Link 1, 500 kV Overhead Transmission Line:

Non-Federal Lands:

- Vegetation maintenance occurred at Towers EP215, EP217-1 and EP218-1.
- Micropile drilling, pull testing, trimming, and cap work were conducted at EP254-3 (see Figures 1 and 2).
- Tower assembly took place at EP220-1 pull site, EP221-2, EP221A, EP225-1, EP228 (see Figure 3), EP237-1, and EP249-1.
- QA/QC occurred at EP219-1, EP220-1, from EP228 to EP230-1, from EP233-1 to EP236-1, EP239-1, EP240, EP245-1, and EP252-1.
- Snub installation was conducted at EP237-1 pull site.
- Sockline, hardline, and conductor were pulled from EP219-1 to EP220-1.
- Sagging took place at EP220-1 and from EP20-1 pull site to EP226-1 pull site.
- Insulator work was conducted at EP220-1 pull site and EP220-1.
- Jumpers were installed at EP220-1, EP223-1, and EP224-1.
- Dead-end work occurred at EP220-1 and EP223-1.
- Equipment was demobilized from EP220-1 pull site.
- Sockline, hardline, and conductor were flown for all phases from EP220-1 pull site to EP226-1 pull site (see Figure 4).

BLM Lands:

- Micropile capping work occurred at EP144, EP146, EP147, EP188-1, EP194-3, EP246, and EP249-1.



- Tower assembly was conducted at EP145 and from EP191-1 to EP195-2.
- QA/QC took place from EP171 to EP180, EP246, and EP247.
- Fiber optic work and fiber slicing was conducted at EP177.

2. Link 2, 500 kV Overhead Transmission Line:

Non-Federal Lands:

- Grading occurred at EP83, EP89-1, and EP91 pull sites and access roads.
- Micropile drilling occurred at EP48, EP50 (see Figure 5), EP62A-1, EP78, and EP83.
- Micropile grouting occurred at EP82 and EP88-2.
- Micropile capping work occurred at EP79.
- Conventional drilling occurred at EP65-1.
- Tower assembly occurred at EP1-3, EP67, EP84, EP85-2, and EP91.
- Ground resistance testing occurred at EP86-1, EP104-2, and EP105-2.
- Cleanup occurred at EP93.

BLM Lands:

- Vegetation maintenance occurred at EP71 and EP74-1.
- Grading occurred at EP98-1 and EP101-2 pull site.
- Access road improvements occurred from EP94-N to EP101-2-PS-E.
- Micropile drilling occurred at EP48-2, EP50, EP53-1, EP71, EP72, EP73, EP74-1, EP75-2, and EP76-2.
- Tower assembly occurred at EP68.
- Ground resistance testing occurred at EP103-2.

US Forest Service Lands:

- During this reporting period, the PALs were as follows: Monday: A, Tuesday: A, Wednesday: B, Thursday: B, Friday: B, and Saturday: B. Work activities ended each day in accordance with the Fire Plan and the approved EV letter as appropriate.
- Vegetation maintenance occurred at EP57-2 and EP58-1.
- Access road construction/maintenance occurred at EP9-1-N.
- Gate work occurred at EP35-1-N.
- Micropile drilling occurred at EP21-1, EP23-2, EP29-2, EP33-1, EP35-1, EP57, EP58-2, and EP115-1 (see Figure 6).
- Grouting occurred at EP19-1, EP20-2, EP21-1, EP22-1, EP25-2, EP28-3, EP31-1, EP33, EP34-1, EP35-1, EP118-2, EP120A, EP121-3, EP122-1, EP123-1, EP124, and EP129.
- Micropile trimming occurred at EP114-2.
- Micropile pull testing occurred at EP18, EP19-1, EP20-2, EP22-1, EP28-3, EP29-2, and EP114-2.
- Micropile capping occurred at EP2-3, EP5-2, EP7-1, EP8-2, EP13-3, EP14-1, EP16-1, EP17, EP18, EP28-3, EP116-1, and EP117-2.
- Conventional drilling occurred at EP36-1.
- Equipment was demobilized at EP11-3.
- Tower assembly occurred at EP109-1, EP112A-1, and EP113-5 (see Figure 7).
- QA/QC occurred at EP113-5.
- Ground resistance testing occurred at EP112A-1, EP113-5, and EP122-3.

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

- Revitalization occurred along Alpine Boulevard.
- Vault work, equipment set-up, test set up, and high voltage testing occurred at the Loritz Property.
- Sealing and hydroseeding occurred at the Bauer driveway.
- Fiber splicing occurred at Vaults V2R, V15R, and V20R.
- Storm drain repair occurred east of West Willows Road.
- Coolant testing occurred within the bore pit.

4. Link 5:

Non-Federal Lands, 220 kV Overhead Transmission Line:

- Grading occurred at Tower CP43-1 pull site north.
- Final grading occurred at CP15-1 pull site east and CP43-1 pull site.
- Class II base was spread at CP15-1 pull site east.
- Micropile capping work occurred at EP35-2.
- Ground rod installation occurred at CP28-1 and CP33-2.
- Ground resistance testing occurred at CP74-2.
- QA/QC occurred at CP33A, CP34-2, and CP41-2 to CP48-2.
- Guard structure installation occurred at CP36-1, CP43-1, CP44-1, and CP53.
- Wire preparation occurred at CP43-1 and CP49-1.
- Traveler work occurred at CP51-2, CP52, CP54-1, and CP55.
- Sockline, hardline, and conductor were pulled on the north side from CP56-1 to CP65-1.
- Sagging occurred from CP56-1 to CP65-1.
- Deadend work occurred from CP58-1 to CP65-1.
- Splicing occurred at CP82-1.
- Cleanup occurred at CP47-2, CP51-2, CP52, and CP55.
- Restoration occurred at CP43-1 pull sites.

BLM Lands, 220 kV Overhead Transmission Line:

- No work occurred during this reporting period.

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

- Final grading occurred at CP15-1 pull sites.
- Cleanup at CP15-1.
- Restoration began at CP14 and CP15-1.

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:

- No work occurred during this 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 from EP183 to EP185-2, EP199-3, from EP207 to EP211, from EP213 to EP215, from EP217-1 to EP219-1, EP220-1 guard structure, EP221-2, EP221A, from EP224-1 to EP227, from EP229-1 to EP238-1, from EP239-1 to EP253-2, EP255-2 pull sites and EP255-2.
- BMP maintenance and installation on access roads was conducted from EP183-N to EP185-2-N, EP199-3-N, and from EP207-N to EP220-1-N.
- Weed treatment took place at EP239-1, EP240, EP242, from EP243 to EP245-1 (including the pull site), and EP259.
- Habitat restoration signs were installed at EP219-1, EP296, from EP337 to EP339, EP358, and EP359.

BLM Lands:

- BMP maintenance and installation at tower sites, pull sites, and guard structure sites occurred from EP144 to EP152-2, from EP170 to EP182, from EP186-1 to EP198-3, from EP200-3 to EP205-2, EP195-2, from EP200-3 to EP206-1, EP314, EP315-1, and EP317.
- BMP maintenance and installation on access roads was conducted from EP173-1-N to EP182-N, from EP186-1-N to EP198-3-N, and from EP200-3-N to EP206-1-N.
- Weed treatment took place at EP247 guard structure, EP247, from EP342 to EP348, from EP350 to EP352, from EP354 to EP357, EP360, and EP362-1.
- Habitat restoration signs were installed at EP200A, EP201, EP203, EP204, EP294, EP295, from EP297 to EP299, EP314 pull site, from EP332 to EP336, from EP340 to EP347, EP349, EP351, EP352, from EP354 to EP357, EP360, and EP362-1.

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 EP1-4, EP25-2 to EP27-1, EP30-2 pull site to EP32-1, EP52-1, EP54-1, EP54-1 pull site, EP62A-1, EP64 to EP67 pull site, EP77 to EP81 (including pull site), CY-BARTLETT-E, EP84-E-B, EP83 to EP89-1 (including pull sites), EP91 to EP93 (including pull sites and access roads), EP104-2, EP104-2-N, EP105-2-N, EP105-2 to EP107-3, EP119-2, GS-NF-16, GS-NF-18, GS-NF-22, GS-NF-26, and GS NF 29.

US Forest Service Lands:

- BMP maintenance occurred at EP2-3 to EP9-1, EP9-1 pull site, EP11-3, EP11-3-N, EP12-3, EP12-3 pull sites, EP13-1 to EP16, EP19-1, EP20-2, EP22-1, EP22-1 pull site, EP23-2, EP23-2 pull site, EP24-1, EP34-1 to EP37-2, EP57-2, EP58-2, EP105-2-E-A, EP108-2 to EP113-5 (including the pull sites), EP116-1 to EP118-2 (including pull sites), EP120-4 to EP122-1, EP124, EP124/125 pull site, EP125, EP125-E-B, EP126-1, EP126-1-E, EP127, EP127-E, EP129-E-A, EP129-E-B, EP130-1, EP131, EP131 E, EP138-2-E-A, EP138-2-E-B, EP140-1, EP141, EP141-E-A, EP141 E B, EP141-E-C, EP141-N, EP141 to EP143-1 (including pull sites), and GS-USFS-3.

BLM Lands:

- BMP installation and maintenance occurred from EP39-1, EP41-1, EP42-2, EP42-2 pull site, EP47-2 pull site, EP48, EP50, EP51-1, EP53-3, EP56-4, EP63, EP68 to EP72, EP74-1 to EP76-2, , EP94 to EP99-2 (including access roads), EP103-2, EP103-2-N, EP103A, and EP103A-2-N.
4. BMPs were installed or refreshed on Link 4 (non-federal lands only):
 - BMPs were installed and/or refreshed along the entire right-of-way 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 pull site east to CP23, CP23-PS-N-A, CP25-2 to CP31-2 (including pull sites and guard structure), CP32-2, CP33-2, CP36-1, CP36-1 guard structure, CP37-2, CP40-2 to CP46 (including guard structures and pull sites), CP47A-1 to CP49-1, CP49-1-PS-E, CP49-1-PS-N, CP49-1 pull site, CP50-1 to CP53-1, CP56-1 pull site, CP56-1-PS-E-A, CP56-1-PS-E-B, CP65-1-PS-N, CP65-1 pull site, CP71, CP72-2, CP74-2 to CP84, CP85-1, CP86, CP87-1/CP88-1 pull site, CP95-1/CP96-1 pull site, CP98-1, and CP109-1.

BLM Lands:

- No BMP installation or maintenance occurred during this reporting period.

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

- BMP installation and maintenance occurred at CP2, CP3, and CP6-1 to CP15-1 pull sites.

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

- No BMP activity occurred during the reporting period.

US Forest Service Lands:

- BMP maintenance occurred at CP99-2 and CP100-1.

6. One coastal rosy boa (*Charina trivigata*) was relocated from EP228. (Link 1)
7. On March 20, 2012, it was noted to the Link Lead that crews were parked off in non-project related areas off of Old Highway 80. Crews were immediately notified and vehicles were moved. (Link 1)
8. On March 21, 2012, it was noted that a basket was placed off approved work space (by a helicopter) at EP225. Corrective action was immediately taken. (Link 1)
9. On March 22, 2012, it was noted to the Link Lead that a vehicle was parked off approved project area near EP205-1 and that project related personnel was observed smoking in a non-designated area. (Link 1)
10. Minor leaks, drips, and releases on USFS lands were submitted to the USFS in a weekly HazMat log.
11. 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): Concrete base was poured for a retaining wall on the eastern portion of Bell Bluff Truck Trail (BBTT). The water line was cleaned up along BBTT. Fencing was installed around the water tank. Fill material was spread in the southeast quadrant to bring it to rough grade. Rough grading occurred in the southeast detention basin. The outlet headwall was formed and backfilled in the southeast detention basin. The storm drain was also installed in the southeast detention basin. Insulators and conductors were installed in the 230 kV and 500 kV yards. Coating of the insulators in the 500 kV yard and on the series capacitor occurred. Forms were built and concrete was poured for the retaining wall along the east cut slope. Wiring continued inside of the control shelter. Electrical testing was performed throughout the substation. Irrigation line was installed below Walls 2 and 3 on the southern fill slopes and in the southeast quadrant. The liner was removed from the temporary construction pond.
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. Crews performed set up, wiring preparation, and bus work inside the 69 kV rack.
4. Encina Substation (non-federal lands): Relay and wiring crews worked near the control house.
5. Pomerado Substation: (non-federal lands): Equipment staging and 69 kV setup work occurred.
6. Sycamore Substation (non-federal lands): Crews worked on 69 kV bus upgrades and wiring new gas circuit breakers in the 69 kV rack.

Environmental Compliance:

1. All applicable Biological, Cultural, Paleontological, and Native American monitors have been present during ground disturbing activities at all substations.
2. Hydromulch was applied to slopes on the perimeter of the Suncrest Substation pad. Vegetative growth is visible on previously hydromulched slopes (see Figure 8). (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 gate, road, BMP, and ESA crews occurred.
2. Alpine Headquarters – Vegetation maintenance occurred and helicopters picked up and dropped off personnel.
3. AER Yard – Yard has been restored.
4. Barrett Canyon Yard – No activity occurred during the reporting period.
5. Bartlett-Hauser Yard – Water staging, helicopter operations, weed wash station operations, dust suppression, tower assembly, and staging for micropile, erection, vegetation maintenance, assembly, QC, wire, road, and BMP crews (see Figure 9) occurred.

6. Fromm Yard – No work occurred at this yard during this reporting period.
7. El Monte Yard – Driveway work and removal of rumble plates occurred.
8. Helix Yard – Helicopter operations, weed wash station operations, dust suppression, and staging for assembly, wire, road, BMP, and QC crews occurred.
9. Jacumba Valley Ranch (JVR) Yard – Helicopter operations, weed wash station, water staging, dust suppression, tower assembly, and water staging. Also used for staging QC, micropile, habitat assessment, and assembly crews.
10. Kreutzkamp Yard – Helicopter operations, weed wash station operations, water staging, dust suppression, tower assembly, QC at yard, vegetation maintenance, and staging for conventional foundation, assembly, BMP, hauling, road, and erection 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, assembly, hauling, road, wire, micropile, and BMP crews.
12. SWAT Yard – Water staging, helicopter operations, dust suppression, weed wash station operations, and staging for micropile, vegetation maintenance, conventional foundation, and BMP crews occurred.
13. S2 Yard – Yard had been restored.
14. Sycamore Yard – Dust suppression, helicopter operations, water staging, and staging for micropile, road, and BMP crews occurred.
15. Wilson Yard – Dust suppression and tower assembly occurred in this yard.

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 occurred. The yard was also used to stage BMP crews.
19. Plaster City Yard – Water staging, tackifier application (see Figure 10), and wildlife fence removal along the yard perimeter occurred.

Federal Lands (USFS):

20. Thing Valley Yard – Helicopter operations (see Figure 11), water staging, dust suppression, tower assembly, hauling of steel, repair earthwork associated with erosion damage to pull site within yard, tackifier application, and staging for BMP, assembly, road, 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.
2. On March 20, 2012, it was noted to the Link Lead that marker balls were being staged inside of an Environmentally Sensitive Area (ESA) at Jacumba Valley Ranch Yard (see Figure 12). Marker balls were immediately moved outside of the ESA. (Link 1)
3. Two coronado skinks (*Plestiodon skiltonianus interparietalis*) and one two-striped garter snake (*Thamnophis hammondi*) were relocated from the vicinity of Kreutzkamp Yard. (Link 2)

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 04/06/2012)

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 04/06/2012)

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.

Variance Request	Date Requested	Date Issued	Segment	Description
#3	01/06/10	01/18/11	All	Modification to tree trimming requirements.
#3 MOD	01/25/11	01/26/11	All	Modification to brush clearing requirements.
#4	01/13/11	03/01/11	Yard	Helicopter Temporary Landing Pad area at the Alpine Regional Field Offices.
#5	02/01/11	02/09/11	Yard	Site improvements at the Wilson Construction yard and along Bell Bluff Trail
#6	02/01/11	03/01/11	Link 5	Variance from Mitigation Measure H-1a (CC) to allow work outside of the dry season.
#7	02/11/11	02/17/11	Link 3	Additional work areas for construction trailers, parking, etc.
#8	03/02/11	03/08/11	Link 2	Alternate access route to Structure EP 27.
#9	03/29/11	04/06/11	All	Perform construction activities outside of hours allowed by local ordinances with local jurisdiction approval.
#10	04/04/11 (revised)	04/14/11	Link 4	Additional construction work space at Viejas Creek Bridge.
#11	04/06/11	04/22/11	Link 1	Additional workspace east of EP215.
#12	04/15/11	04/25/11	Link 1	Additional turnaround along the access road to EP 220-1.
#13	04/13/11	05/06/11	Links 1 & 2	Two fiber optic regeneration sites.
#14	04/28/11	05/03/11	Yards	Change visual screening at Project construction yards from slats to fabric.
#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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
#27	09/20/11	10/18/11	Link 1	Temporary Staging area near Mountain Springs Grade Road.
#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	Retracted	Link 5	Additional work space at CP23 pull site.
#40	03/20/12	03/21/12	Link 5	Additional work space near GS-NF-7, San Vicente Reservoir.

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 04/06/2012)

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 Road West
TEWS #6	03/24/11	03/24/11	Link 4	Parking at 5840 Willows Road 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 Road
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 Road (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 Road.
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 Road.

TEWS Request	Date Requested	Date Approved	Segment	Description
TEWS #33	02/09/12	02/09/12	Link 5	Additional parking area between CP75 to CP88.
TEWS #34	03/06/12	03/06/12	Link 5	Additional parking area along Hwy 67.
TEWS #35	03/26/12	03/27/12	Link 1	Additional parking area between EP227/EP228.

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 04/06/2012)

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
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.

Type	Date	Location	Description
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 04/06/2012)

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.

Type	Date	Location	Description
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 th 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.

Type	Date	Location	Description
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.
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.

Type	Date	Location	Description
Incident	10/12/11	Link 4	Approximately 50 gallons of diesel fuel was released immediately off of Puetz Valley Road 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.
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 Kruezkamp CY. No injuries or damage to property occurred. Investigation to helicopter hook system is ongoing.

Type	Date	Location	Description
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.
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.

Type	Date	Location	Description
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	02/27/12	Link 3	Trash was noted to Link Lead at the Wilson CY.
Incident	02/28/12	Link 1	Project activities were noted to be occurring in PBHS areas without concurrence from Wildlife Agencies provided to CPUC monitors. Follow up discussion occurred with WA.
Incident	02/29/12	Link 1	Debris was noted to the Link Lead as being blown around JVR CY during Air Crane operations.
Incident	03/02/12	Link 2	Kmax helicopter dropped cribbing near EP5. No reports of injuries or impacts.
Incident	03/08/12	Link 1	Trash in several areas along the ROW, particularly the mylar taping utilized for bird deterrents, has been noted in various locations. Issue is currently being addressed.
Incident	03/12/12	Link 2	Vehicle was noted to be parked outside approved workspace and within the drip line of an oak tree.
Incident	03/14/12	Link 1	A helicopter noted to be operating prior to 7am at the Rough Acres Construction Yard.
Incident	03/20/12	Link 1	Crew vehicles were noted to be parked outside of approved workspaces along Old Hwy 80. Vehicles were immediately moved upon notification.
Incident	03/20/12	Link 1	Marker balls were being staged inside a noted ESA at the Jacumba Valley Ranch Yard. They were immediately moved outside of the ESA and no impacts were noted.
Incident	03/21/12	Link 1	Work equipment was placed outside of approved workspace via helicopter at EP225. Corrective action was immediately taken upon notification.
Incident	03/22/12	Link 1	Vehicle was noted to be parked outside of approved workspace near EP205-1 and project personnel was observed to be smoking in a non-designated area.
Incident	03/27/12	Link 2	Vehicle was noted to be parked within a bird buffer near EP90.
Incident	03/27/12	Link 2	Two helicopters noted to be operating prior to 7am at the SWAT Construction Yard.
Incident	03/31/12	Link 1	Bulldozer was noted to have parked outside of approved workspace along the access road to EP236. The equipment was moved upon notification to the crew.
Incident	04/04/12	Link 1	Crew truck was noted to have parked outside of approved workspace along the access road to EP236. Monitors have placed additional signage along the road.

CONSTRUCTION PROGRESS

Table 6 provides a summary of construction progress through the end of the subject reporting period.

TABLE 6
CONSTRUCTION PROGRESS

Agency	Total Towers	Released for Construction	Foundations Completed	Towers Erected	Wire Installed
Non-Federal	169	169	161	139	76
Bureau of Land Management	179	179	164	142	116
US Forest Service	76	76	63	18	17
Miramar	14	14	14	14	11
Total	438	438	402	313	220

PROJECT PHOTOGRAPHS



Figure 1: K-max delivering water buffalos to Tower EP254-3. (Link 1)



Figure 2: Micropile drilling at Tower EP254-3. (Link 1)



Figure 3: Aircrane “picking” a pre-assembled tower piece for Tower EP228.
(Link 1)



Figure 4: Wire stringing operations at Tower EP220-1 pull site. (Link 1)



Figure 5: Helicopter view of micropile drilling at Tower EP50 with Arroyo Toad exclusionary fencing around the site. (Link 2)



Figure 6: Micropile drilling at Tower EP115-1. (Link 2)



Figure 7: Tower assembly at Tower EP113-5. (Link 2)



Figure 8: New vegetative growth on fill slopes at Suncrest Substation. (Link 3)



Figure 9: BMPs at Bartlett Hauser Construction Yard after a storm. (Link 2)



Figure 10: Tackifier and hydromulch application at Plaster City Yard. (Link 1)



Figure 11: Helicopter operations at Thing Valley Construction Yard. (Link 2)



Figure 12: Marker balls staged inside of ESA signage at Jacumba Valley Ranch Yard. (Link 1)