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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: May 23, 2012
Subject: Weekly Report 86 – May 6 to May 12, 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:

- Final grading occurred at Tower EP232-1-E-1 to EP234-1-E and EP243 pull sites.
- Miscellaneous tower work was conducted from EP221-2, EP224-1, EP228, from EP231-1 to EP239-1, EP252A-1, EP253-2, and EP254-3.
- QA/QC took place at EP183, EP211, EP213, and EP214.
- Fence grounding occurred at EP199-3, EP214, EP219-1, EP234, and GS-NF-32.
- Jumper work was conducted at EP215 and EP254-3.
- Splicing took place at EP255-2.

BLM Lands:

- Final grading occurred at EP186/EP187 pull site, EP192-2, EP193-2, EP197-3, EP199 (see Figure 1), EP200-3, and EP200-3 pull site.
- Miscellaneous tower work was conducted at EP150, EP151, EP152-2, from EP194-3 to EP196-2, EP246, and EP249-1.
- QA/QC took place at EP151 and EP189-3.
- Fence grounding occurred at EP152-2, EP170, EP172, EP178, EP179, EP198-3, EP200A-1, EP203-3, EP204-3, and EP205-2.
- Sock line, hardline, conductor, and OPGW were pulled from EP141 to EP170 (see Figure 2). Insulator work was conducted here as well.
- Jumper work, grounding work, and clean up took place at EP200-3 and EP200A-1.



2. Link 2, 500 kV Overhead Transmission Line:

Non-Federal Lands:

- Vegetation maintenance occurred at EP54-1, EP54-1 pull site, and EP119-2.
- Grading occurred at EP67 pull site west.
- Fence grounding occurred at EP78A.
- Micropile capping work occurred at EP54-1.
- Tower assembly occurred at EP1-3, EP31-1, EP32-1, EP54-1, EP91, EP106-3, and EP107-3.
- Miscellaneous tower work occurred at EP119-2.
- QA/QC occurred at/from EP80 to EP82 and EP119-2.
- Ground resistance testing occurred at EP31-1, EP77, and EP106-3.
- Splicing occurred at EP89-1.
- Guard structure installation occurred at GS-NF-4, GS-NF-15, GS-NF-16, and GS-NF-29 (see Figures 3 & 4).
- Guard structure removal occurred at GS-NF-14.
- Sock line was pulled from EP104-2 to EP107-3.
- Insulator and traveler work occurred at EP104-2, EP105-2, and EP107-3.
- Sagging, clipping in, and dead-end activities continued from EP78A to EP89-1.
- Cleanup and punch list item work occurred from EP78A to EP89-1.

BLM Lands:

- Vegetation maintenance occurred at/from EP39-1, EP40-1, EP42, EP47-2 to EP51-1, EP53-3, and EP56-4.
- Access road maintenance occurred from Kreuzkamp Yard to EP69-E.
- Micropile capping work occurred at EP69, EP70, and EP74-1.
- Tower assembly occurred at/from EP39-1 to EP41, EP71 to EP76-2, and EP102A-1.
- Miscellaneous tower work occurred at EP42.
- QA/QC occurred at EP40-1 and EP41.
- Ground resistance testing occurred at/from EP40-1, EP70 to EP76-2, EP102A-1, and EP103-2.
- Wire pull preparation occurred from EP101-2 to EP103A (including pull site).
- Insulator and traveler work occurred at EP103 and EP103A.
- Dead-end work occurred at EP42.

US Forest Service Lands:

- During this reporting period, the PALs were as follows: Monday: C, Tuesday: D, Wednesday: D, Thursday: D, Friday: D, 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 EP57-2, EP58-2, EP114-2, EP115-1, EP116-1, GS-USFS-6, EP117-2, EP118-2, EP120-4, EP120A, EP123-1, and EP143-1.
- Gate work occurred at EP9-1-N, EP11-3-N, EP113-5-E, and EP126-1-N.
- Fence grounding occurred at EP78A-E.
- Micropile capping work occurred at EP20-2, EP23-2, EP123-1, EP124, EP128, and EP129.
- Tower assembly occurred at/from EP5-2, EP7-1, EP8-2, EP20-2, EP22-1, EP23-2, EP34-1 to EP37-2, EP108-2, EP110-2, EP120A, EP121A-1, EP123-1, EP125, EP126-1, EP128, EP129, and EP130-1.

- Miscellaneous tower work occurred at/from EP114-2 to EP118-1, EP120A, EP121A-1, EP121-3, EP122-1, EP124, EP128, and EP140-1.
 - Anchors were installed at EP24-1.
 - QA/QC occurred at EP5-2, EP10-2, EP34-1, EP37-2, EP108-1, EP110-2, EP115-1 to EP118-2, EP122 to EP125, EP128, EP129, EP132-2, EP139-1, and EP140-1.
 - Ground resistance testing occurred at EP5-2, EP7-1, EP23-2, EP34-1, and EP37-2.
 - Guard structure installation occurred at GS-USFS-4 and GS-USFS-6.
 - Wire pull preparation occurred at/from EP108-2 to EP113-5, EP113-5 pull sites, EP141, and EP143-1.
 - Sock line was pulled from EP108-2 to EP113-5.
 - Pulling of conductor, sagging, clipping in and dead-end work occurred from EP141 to EP143-1.
 - OPGW was flown from EP141 to EP143-1.
 - Pulling of conductor, sagging, clipping in and dead-end work occurred from Suncrest Substation to EP9-1 (see Figure 5).
 - Insulator work occurred at EP109-1, EP141, and EP141 pull sites.
 - Cleanup occurred at EP7-1 and EP136.
3. Link 4, 220 kV Underground Transmission Line (non-federal lands only):
- Revitalization occurred on Alpine Boulevard.
 - Splicing occurred inside Vault V10 and V20R.
 - Work occurred inside V3, V16L, V17L, V18, and V19.
 - Welding occurred on shrouds of riser pole and fiber optics testing at the Slay property.
 - Cooling system work occurred at the Interstate 8 bore site.
 - Termination repair occurred at the Loritz property.
4. Link 5:
- Non-Federal Lands, 220 kV Overhead Transmission Line:
- Vegetation maintenance occurred at CP45-1, CP46-2, CP48-2, CP49-1, CP78-2, CP79-1, and CP80-2.
 - Miscellaneous tower work occurred at CP25-2, CP26, CP28-1, CP37-2, CP39 to CP44-1, CP47-2 to CP50-1, CP54-1, CP55, CP62-2, CP65-1, CP87-1, CP88-1, CP95-1, CP96-1, and CP98-1.
 - Grounding occurred at CP28-1, CP43-1, CP44-1, and CP54-1.
 - Splicing occurred at CP43-1, CP49-1, CP55, and EP75-1.
 - Spacer installation occurred between CP31-2 and CP43-1.
 - Hydromulching occurred from CP79-1 to CP82-1 and CP83 to CP86.
- BLM Lands, 220 kV Overhead Transmission Line:
- No work occurred during this reporting period.
- MCAS Miramar (Federal) Lands, 220 kV Overhead Transmission Line:
- Access road construction/maintenance occurred at CP6-1, CP7, and CP10.
 - Final grade and restoration occurred at CP6-1, CP7, and CP10.
 - Miscellaneous tower work occurred at CP1A, CP2, CP3, CP6-1, CP8-2, CP9-1, and CP12-1.
- 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:

- Fence installation and miscellaneous tower work occurred at CP99-2.

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 EP109-1, EP211, from EP213 to EP215, from EP217-1 to EP221-1, from EP223-1 to EP238-1, EP239-1 GS, EP239-1, EP240, from EP242 to EP245-1, from EP252-1 to EP254-3, and EP255 pull sites.
- BMP maintenance and installation on access roads was conducted from EP183-N to EP185-2-N.

BLM Lands:

- BMP maintenance and installation at tower sites, pull sites, and guard structure sites occurred from EP170 to EP182, from EP186-1 to EP198-3, from EP200-3 to EP206-1, from EP246 to EP248-1, EP250, and EP251.
- BMP maintenance and installation on access roads was conducted from EP180-N to EP182-N and from EP186-1-N to EP187-2-E-A.
- Hydromulching took place at EP187-2 pull site (see Figure 6), EP200-3 pull site, EP325, EP355/EP356 pull site, 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 EP1-3, EP25-2, EP27-1, EP30-2, EP30-2 pull site, EP31-1, EP32-1, EP52-1, EP54-1, EP62A-1, EP64 to EP66 (including EP67 pull sites, EP78 to EP80, EP83, EP83 pull sites, EP85-2, EP86-1, EP87-1, EP104-2, EP105-2, EP107-3, GS-NF-14, GS-NF-16, GS-NF-17, GS-NF-18, GS-NF-20, GS-NF-22, GS-NF-23, GS-NF-24, and GS-NF-29).

US Forest Service Lands:

- BMP maintenance occurred at EP2-1 to EP4-3, EP9-1 to EP22-1 (including pull sites), EP24-1, EP28-2, EP29-2, EP33-1 to EP37-2, EP35-1-N, EP108-2, EP109-1, EP111-4 to EP112A-1, EP113-5 pull sites, EP116-1 to EP118-2, EP120-4 to EP127 (including pull site), EP129, EP130-1, EP130-1 pull site, EP131, EP139-1, EP140-1, GS-USFS-2, GS-USFS-4, and GS-USFS-6.

BLM Lands:

- BMP installation and maintenance occurred from EP39-1 to EP42 (including pull site), EP47-2, EP47-2 pull site, EP49 to EP51-1, EP63, EP68, EP69, EP71 to EP74-1, and EP94 to EP103A (including pull site).

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

- BMPs were installed and/or refreshed along 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 sites, CP17-1, CP33-2 to CP37-2, CP42-1 to CP50-1, CP49-1 pull site, CP52 to CP55, CP55 pull site, CP56-1, CP57, CP62-2, CP74-2, CP75-1, CP75-1 pull site, CP77 to CP78-2, CP80-2 to CP86, CP95-1, CP95/CP96 pull site, CP96-1, CP109-1, and GS-NF-4.

BLM Lands:

- BMP installation and maintenance occurred at CP58-1 and CP62A.

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

- BMP installation and maintenance occurred at CP2, CP3, CP3 pull site and guard structure, CP6 1, CP7, CP9-1, CP10, CP12-1, CP15-1, and 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 CP100-1.

6. One flat-tailed horned lizard (*Phrynosoma blainvillii*) was found dead on the access road between EP320 and EP321.
7. One coast patch-nosed snake (*Salvadora hexalepis virgultea*) was found dead near Tower EP73/EP74 and one was relocated from EP123-1. Two coast horned lizards (*Phrynosoma coronatum blainvillii*) were found dead; one at CP99 and one north of the cross streets of Japatul and Hidden Glen Road. Four coast horned lizards were relocated; one from EP124 and three from EP120. One coastal rosy boa (*Charina trivirgata roseofusca*) was relocated from EP23-2. (Link 2)
8. One San Diego ring-necked snake (*Diadophis punctatus similis*) was found dead on the access road to San Vicente Dam and CP44/CP43. One red diamond rattlesnake (*Crotalus ruber ruber*) was relocated from CP79. One Coronado skink (*Plestiodon skiltonianus interparietalis*) was relocated from CP82. (Link 5)
9. Minor leaks, drips, and releases on USFS lands were submitted to the USFS in a weekly HazMat log.
10. 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: Ed Wieringa, Jennifer MacDonald.

SUBSTATION CONSTRUCTION AND UPGRADES

Summary of Activity:

1. Suncrest Substation, Link 3 (non-federal lands): Work continued inside of the control shelter, on the series capacitor, and on the warehouse. Fill material was removed from the channel at the south dissipater. Sediment was cleaned from the north and south sediment basins. Permeon was sprayed on the east cut slope. Punch list items were worked on. Materials clean up occurred at the staging area near the office trailers. Crews set up the wire pull into the substation (see Figure 7).
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): No work occurred during this reporting period. Bird sweeps/surveys were conducted.
4. Encina Substation (non-federal lands): Relay and wiring crews performed wiring near the control house. Crews tested circuit breakers between Bays 9 and 10.
5. Pomerado Substation: (non-federal lands): Bird sweeps occurred. Crews began changing out bus disconnects and gas circuit breakers.

Environmental Compliance:

1. All applicable Biological, Cultural, Paleontological, and Native American monitors have been present during ground disturbing activities at all substations.
2. Temporary BMP removal along Bell Bluff Truck Trail (BBTT) occurred. Straw wattles were installed 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:

NOTE: Additionally, all active yards typically have miscellaneous activities throughout the day such as materials delivery and staging, equipment mobilization/demobilization, water supply and dust control, porta-potty maintenance, etc.

Non-Federal Lands:

1. Alpine Construction Yard – Equipment/materials staging, weed wash station operations, staging for QC, gate, BMP, and assembly crews occurred.
2. Alpine Headquarters – No activity occurred during the reporting period.
3. AER Yard – Yard has been restored.
4. Barrett Canyon Yard – No activity occurred during the reporting period.
5. Bartlett-Hauser Yard – Frequent helicopter operations (including air crane), weed wash station operations, and staging for wire, QC, micropile, erection, and BMP crews occurred.
6. Fromm Yard – No work occurred at this yard during this reporting period.
7. El Monte Yard – No activity occurred during the reporting period.
8. Helix Yard – No overland access to yard was conducted due to a least Bell’s vireo buffer on the access road; no activity occurred at this yard during the reporting period.
9. Jacumba Valley Ranch (JVR) Yard – Occasional helicopter operations and weed wash station usage occurred. This yard was also used for staging for wire crews.
10. Kreutzkamp Yard – Intermittent helicopter operations, weed wash station operations, and staging for vegetation maintenance and road crews occurred.
11. Rough Acres Yard – Frequent helicopter operations (including air crane), materials hauling and staging, and weed wash station usage occurred. This yard was also used for staging assembly, survey, road, micropile, BMP, QC, erection, wire, and hauling crews.

12. SWAT Yard – Frequent helicopter operations (including air crane) (see Figure 8), weed wash station operations, and staging for assembly, weed abatement, erection, and QC crews occurred.
13. S2 Yard – Yard has been restored.
14. Sycamore Yard – Dust suppression, occasional helicopter operations, staging for road, vegetation maintenance, and QC crews occurred.
15. Wilson Yard – Intermittent helicopter operations took place. This yard is also used for staging assembly 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 – Intermittent helicopter operations took place. Various crews staging out of Rough Acres Yard also use this yard for materials.
19. Plaster City Yard – Yard restoration is largely complete.

Federal Lands (USFS):

20. Thing Valley Yard – Intermittent helicopter operations and staging for tower assembly 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. One San Diego ring-necked snake (*Diadophis punctatus similis*) was found dead at Bartlett Hauser Yard. One two-striped garter snake (*Thamnophis hammondi*) was relocated from 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 05/23/2012)

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

NTP#	Date Requested	Date Issued	Segment	Description
#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 05/23/2012)

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.
#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.

Variance Request	Date Requested	Date Issued	Segment	Description
#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.
#13 Mod	05/08/12	05/10/12	Links 1 & 2	Alter configuration of regeneration sites to meet fire safety requirements.
#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.
#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.

Variance Request	Date Requested	Date Issued	Segment	Description
#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.
#41	04/17/12	04/27/12	Link 2	Cinnamon Drive Road improvements near EP36-1.
#42	05/09/12	Retracted	Link 2	Temporary concrete anchor block placement.

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 05/23/2012)

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 Request	Date Requested	Date Approved	Segment	Description
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 #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.
TEWS #36	04/26/12	04/26/12	Link 2	Additional workspace adjacent to Access Road EP11-3-N.

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 05/23/2012)

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.
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.

Type	Date	Location	Description
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.
NCR#6	04/13/12	Links 1, 2, & 5	Repeated load carrying without appropriate netting.

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

TABLE 5
PROJECT INCIDENTS
(Updated 05/23/2012)

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.

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 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.
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.

Type	Date	Location	Description
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 by 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 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.

Type	Date	Location	Description
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 Kruetzkamp 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.

Type	Date	Location	Description
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.
Incident	02/24/12	Link 2	Helicopter dragged a long line through vegetation outside of workspace at EP109. Minor vegetation impacts.

Type	Date	Location	Description
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	03/28/12	Link 2	Breaches within the Arroyo Toad exclusionary fencing between EP65 and EP69 were noted to the Link Lead.
Incident	03/29/12	Link 1	Trash at EP190 and dust on McCain Valley Road was noted to the Link Lead.
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	04/02/12	Link 1	Parking occurred in unapproved project areas near S-2 Yard. Immediate corrective action was taken upon notification to Link Lead.

Type	Date	Location	Description
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.
Incident	04/09/12	Link 1	Crews were noted to not being utilizing a designated path (which avoids an ESA) from TSAP to EP137-1. A warning was given and crews were addressed.
Incident	04/10/12	Link 1	Trash was observed at EP187 pull site.
Incident	04/17/12	Link 4	Cement truck was noted to be driving down Alpine Blvd with chutes open. Link Lead was contacted and contractor was informed of the activities.
Incident	04/20/12	Link 1	Bulldozer went off ROW during grading operations near EP255. No sensitive biological or cultural resources were damaged.
Incident	04/24/12	Link 1	Dust was noted to be seen at McCain Valley Construction Yard due to Air Crane operations. Coordination was to improve in future operations.
Incident	04/25/12	Link 2	Holes were noted in the Arroyo Toad fence along the access road to EP76. Crews were sent out to repair prior to rain event.

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	169	160	148
Bureau of Land Management	179	179	179	165	138
US Forest Service	76	76	76	54	17
Miramar	14	14	14	14	14
Total	438	438	438	393	316

PROJECT PHOTOGRAPHS



Figure 1: Final grading at Tower EP199. (Link 1)



Figure 2: Wire work at Tower EP170. (Link 1)



Figure 3: Guard structure installation on Lyons Valley Road near Tower EP24. (Link 2)



Figure 4: Guard structure installation over Interstate 8. (Link 2)



Figure 5: Wire pulling activities at Tower EP1, adjacent to Suncrest Substation. (Link 2)



Figure 6: Hydromulching at EP187-1 pull site. (Link 1)



Figure 7: Aerial view of Suncrest Substation and Tower EP1. (Link 3)



Figure 8: Air crane picking tower section at SWAT Construction Yard. (Link 2)