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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 27, 2012
Subject: Weekly Report 77 – March 4 to March 10, 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:

- Vegetation maintenance occurred at Tower EP208-N.
- Final grading was conducted at EP210, EP211, EP213, EP219/220 guard structure, EP358-N, and EP359-N.
- Micropile drilling preparation took place at EP254-3.
- Micropile re-drilling occurred at EP228.
- Micropile grouting was conducted at EP228 and EP254-3.
- Micropile capping took place from EP221-2 to EP223-1, EP225-1, EP226-1, EP227, EP233-1, and EP237-1.
- Miscellaneous tower work occurred at EP256.
- Tower assembly was conducted at EP223-1, EP224-1 (see Figure 1), EP229-1, EP233-1, EP236-1, EP239-1, EP245-1, and EP252-1.
- Insulator work took place at EP225-1, EP226-1 pull site, EP236-1, and EP239-1.
- Grounding occurred at EP255-2.
- Ground resistance testing was conducted from EP221-2 to EP223, EP225, EP226, from EP229 to EP231-1, EP235, and EP236.
- Snubs were installed at EP226-1 pull site.



BLM Lands:

- Vegetation maintenance occurred from EP172 to EP174, EP177, from EP179 to EP182, and EP179-N.
- Final grading was conducted at EP205-2, from EP320-1-E-B to CY-Plaster City-N, from EP342-N to EP357-N, and from EP360-N to EP362-1-N.
- Class 2 base was spread from EP320-1-E-B to EP325-2-N.
- Micropile re-drilling took place at EP147 and EP148.
- Micropile capping occurred at EP196-2.
- Tower assembly was conducted from EP150 to EP152-2, EP187-2, EP189-3, from EP191-2 to EP196-2, EP198-3, and EP200-3.
- Spacers were installed from EP170 to EP174.

2. Link 2, 500 kV Overhead Transmission Line:

Non-Federal Lands:

- Vegetation maintenance occurred at EP54-1, EP78, EP87-1, EP106-3, and EP107-3.
- Grading occurred from EP90-1-N to EP94-N.
- Micropile drilling occurred at EP82 and EP88-2.
- Micropile grouting occurred at EP119-2.
- Micropile pull testing occurred at EP106-3 and EP107-3.
- Conventional drilling occurred at EP65-1.
- Tower assembly occurred at EP54-1, EP84, EP86-1, EP93, EP104-2, and EP105-2.
- QA/QC occurred at EP93 and EP104-2.
- Anchors were placed at EP106-1.
- Ground resistance testing occurred at EP54-1 and EP93.
- Cleanup and wire pull preparation occurred at EP89-1, Pull Site EP89-1 and EP91, and EP91 to EP93.
- Sockline was pulled from EP91 to EP93.

BLM Lands:

- Vegetation maintenance occurred at EP48-2, EP70, and from EP101-2 to EP102A-1.
- Gate and barrier work occurred at EP74-1-E.
- Grading occurred at EP99-2 and from EP94-N to EP99-2-N-B.
- Micropile drilling occurred at EP41-1, EP48-2, and EP53-1.
- Micropile pull testing occurred at EP103-2.
- Micropile cap work occurred at EP101-2.
- Tower assembly occurred at EP94 to EP99-2, EP103-2, and EP103A.
- QA/QC occurred at EP95 to EP98-1, EP103-2, and EP103A.
- Grounding fence installation occurred at EP94 and EP99-2.
- Ground resistance testing occurred at EP49-1, EP51-2, and EP95.
- Wire pull preparation and sockline installation occurred from EP94 to EP101-2 pull site.
- Snubs were installed at EP101-2 pull site.

US Forest Service Lands:

- During this reporting period, the PALs were as follows: Monday: C, Tuesday: B, Wednesday: D, Thursday: D, Friday: B, and Saturday: D. Work activities ended each day in accordance with the Fire Plan and the approved EV letter as appropriate.
- Vegetation maintenance occurred at EP10-2, EP24-2, PE33-1, EP109-1, EP114-2, and EP115-1.
- Grading occurred at EP12-3 pull site.
- Access road construction occurred at EP11-3-N, EP35-1-E, EP112-3-E, EP112A-1-E, and EP113.
- Gate work occurred at EP24-1-E and EP36-1-E.
- Repairs to helicopter platform occurred at EP34-1.
- Site preparation occurred at EP35-1.
- Micropile drilling preparation occurred at EP121A-1.
- Micropile drilling occurred at EP19-1, EP20-2, EP21-1, EP22-1, EP24-1, EP34-1, EP35-1, EP37-2, EP41, EP114-2 (see Figure 2), EP118-2, EP120A, EP123-1 and EP124.
- Grouting occurred at EP13-3, EP14-1, EP15, EP16, and EP116-1.
- Micropile trimming occurred at EP117-2.
- Micropile pull testing occurred at/from EP2-3, EP3-3, EP4-3, EP5-2, EP13-3, EP109-1 to EP111-4, and EP117-2.
- Micropile capping occurred at/from EP2-3, EP3-3, EP4-3, and EP108-2 to EP110-2.
- Conventional drilling occurred at EP11-3 and EP36-1.
- Miscellaneous foundation work occurred at EP11-3.
- Tower assembly occurred from EP112-3 to EP113-5.
- QA/QC occurred at EP113-5.

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

- Revitalization occurred along Alpine Boulevard.
- Final grading occurred at Bauer and Slay Properties, and Vaults V19R and V20R.
- Raised necking activities occurred at V9R and V20R.
- Grouting occurred at V9R, V10R, V20R, and V20L.
- SCADA fiber pulling occurred at V8R, V9R, V10R, and V11R.
- Sending & receiving occurred at the Caltrans bore site.
- Test set up occurred at the Loritz and Slay Properties.
- Gunnite swale installation occurred at the Slay Property.

4. Link 5:

Non-Federal Lands, 220 kV Overhead Transmission Line:

- Final grading occurred at CP98-1.
- Grouting occurred at CP33-2, CP33A, and CP36-1.
- Micropile cap work occurred at CP35-2.
- Tower assembly occurred at CP24 to CP36-1 (see Figure 3), CP39, CP41-2 to CP43-1, CP46-2, CP47-2, CP49-1, CP50-1, CP51-2, and CP57.
- Miscellaneous tower work (bird deterrents, signs, etc.) occurred at CP57, CP62-2, CP63-3, and CP64-2.

- QA/QC occurred at CP32-2 to CP37-1, CP39, CP42-1, CP44-1, CP45-1 to CP47-2, CP51-2, CP57, CP62-2, and CP64-2.
- Wire preparation occurred at CP23, CP24-1, CP27, CP28-1, CP56-1, and CP65-1 pull sites.
- Sock line and conductor was pulled from CP109-1 to Suncrest.
- Splicing occurred at CP82-1 and CP108.
- Spacer installation occurred from CP3 to CP31.
- Smoothing out of wire occurred at CP81-1, CP83, and CP86.
- Traveler work occurred at CP57 and CP63-3.
- Grounding of fiber occurred at CP95-1 and CP96-1.
- Insulators and jumpers were installed at CP109-1.
- Guard structure installation occurred at CP53.
- Site cleanup occurred at CP23, CP25-2, CP33-2, CP34-2, CP45-1, and CP46-2.
- Restoration began at the CP31 pull site east.
- Hydromulching occurred at CP95-1, CP96-1, and CP98-1.

BLM Lands, 220 kV Overhead Transmission Line:

- Tower assembly occurred at CP58-1, CP59, and CP62A.
- Miscellaneous tower work (bird deterrents, signs, etc.) occurred at CP58-1 to CP60 and CP62A.
- QA/QC occurred at CP59.
- Concrete blocks were set at CP59.
- Travelers were installed at CP60.

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

- Access road construction occurred at CP11-1.

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:

- During this reporting period, the PALs were as follows: Monday: C, Tuesday: B, Wednesday: D, Thursday: D, Friday: B, and Saturday: D. Work activities ended each day in accordance with the Fire Plan and the approved EV letter as appropriate.
- Splicing and spacer installation occurred at CP100-1.
- Hydromulching occurred at CP100-1.

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 EP240, from EP242 to EP245-1, GS-NF-36 (EP251/EP252), and from EP252-1 to EP254-3.
- BMP maintenance and installation on access roads was conducted from EP183-N to EP185-2-N, EP199-3-N, and from EP207-N to EP219-E.
- BMPs were removed from EP337 to EP339, EP358, and EP359.
- Restoration began at EP213 and EP219/EP220 guard structure.
- Hydromulching took place at EP215, EP219, and EP219 pull site (see Figure 4).
- Seeding occurred at EP219-1 pull site north.
- Weed abatement was conducted at EP207 to EP209-1, EP219-1 guard structure, EP220-1 guard structure, EP220-1 pull site, EP220-1-N, and EP220-1.

BLM Lands:

- BMP maintenance and installation at tower sites, pull sites, and guard structure sites occurred from EP144 to EP146, from EP149-1 to EP152-2, from EP180 to EP182, from EP186-1 to EP198-3, from EP200-3 to EP206-1, EP247, EP248, EP251, EP314, EP315-1, and EP317.
- BMP maintenance and installation on access roads was conducted from EP170-N to EP182-N, from EP186-1-N to EP198-3-N, and from EP200-3-N to EP206-N.
- BMP removal took place from EP320-1 to EP336, from EP340 to EP357, and from EP360 to EP362-1.
- Restoration began at EP295-N, EP296-N, and EP299-N.
- Weed abatement took place at EP203-3 pull site to EP206-1.
- Seeding occurred at EP205-2 (see Figure 5).

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 EP26-1 to EP30-2, EP32-1, EP47-2-PS-N to EP68-E, EP52-1-E to EP65-1-E, EP67, EP67 pull site, EP77 to EP79 (including pull site) (see Figure 6), EP80, EP81, EP83 pull sites, EP83, EP84, EP84-E-A, EP84-E-B, CY-Bartlett-E, EP86-1, EP89-1, EP89-1 pull sites, EP91 to EP93 (including access roads and pull site), EP104-2 to EP107-3, GS-NF-14, GS-NF-15, GS-NF-16, GS-NF-18, and GS-NF-22.

US Forest Service Lands:

- BMP maintenance occurred at EP5-2 to EP24-1 (including pull sites) (see Figure 7), EP11-3-E, EP11-3-N, EP26-1 to EP30-2, EP33-1 to EP37-2, EP36-1-E, EP50, EP51-1, EP52-1-E to EP65-1-E, EP57-2, EP58-2, EP108-2, EP109-2, EP111-4 to EP118-2, EP120-4 to EP131 (including pull site), EP125-N to EP141-E, EP127, EP130-1, EP139-1, EP142-1, EP143-1, GS-USFS-3, GS-USFS-4.

BLM Lands:

- BMP installation and maintenance occurred from EP39-1 to EP42, EP42-N, EP42 pull site, EP47-2-PS-N to EP68-E, EP70 to EP74-1, EP76-2, and EP94 to EP103A.

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 CP14 to CP19 (including pull sites), CP20 to CP26-1 (including guard structures), CP28-1, CP31-2, CP31-2 pull sites, CP35-2, CP36-1, CP40-1, CP42-1, CP44-1 guard structures, CP49-1-PS-N, CP51-2, CP52, CP54-1, CP55, CP56-1 pull site, CP65-1 pull site, CP72-2, CP74-2 to CP84 (including guard structure), CP85-1 to CP88-1 (including pull site), CP95-1 to CP96-1, CP96-1-E to CP98-1-N, CP98-1, and CP108.

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 CP3, CP8-2, CP9-1, CP12-1, and CP14 to CP19 (including 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 red-tailed hawk (*Buteo jamacensis*) was found dead at EP186. (Link 1)
7. On March 8, 2012, it was noted to the Link Lead that trash has been an issue at several sites. Shredded pieces of flashing tape (used as a bird deterrent) have been found several hundred feet from work areas. (Link 1)
8. One silvery legless lizard (*Anniella pulchra*) was relocated from EP14. (Link 2)
9. On March 8, 2012, it was noted to the Link Lead that 4 project vehicles were parked in an unauthorized area along Lake Morena Boulevard. (Link 2)
10. There was an estimated 15 to 40 gallon hydraulic fluid spill on USFS land as a result of a broken hose on a drill rig while moving along the access road to EP36 (see Figure 8). The spill was partially contained overnight and cleanup resumed the next morning. (Link 2)
11. Two coast horned lizards (*Phrynosoma coronatum blainvillii*) were relocated from CP36. (Link 5)
12. Minor leaks, drips, and releases on USFS lands were submitted to the USFS in a weekly HazMat log.
13. 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): The water line along Bell Bluff Truck Trail (BBTT) was disassembled. Erosion control blankets were placed and bio-swales were seeded along BBTT (see Figure 9). The drop tank was removed from the road near the entrance to the substation. Rock was crushed for Class 2 base and select fill material. Fence installation continued around the perimeter of the substation. Access roads around the perimeter of the substation were paved. Insulators and conductors were installed in the 230 kV and 500 kV yards. Insulators were coated in the 500 kV yard.

Wiring continued inside of the control shelter. Warehouse siding panels were installed. Steel was erected on the series capacitor (see Figure 10). An irrigation line was installed below Wall 5 and on the southern fill slopes.

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): Relay and wiring crews worked near the control house.
5. Pomerado Substation: (non-federal lands): Crews built disconnects and prepared for future bus upgrades.
6. Sycamore Substation (non-federal lands): Crews also worked on bus upgrades for 230 kV and 69 kV in Bays 26. Stringing activities occurred on CP-1.

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 (see Figure 11), water staging, dust suppression, weed wash station operations, and staging for ESA, wire, gate, road, BMP, conventional foundation, and QC crews occurred.
2. Alpine Headquarters – Helicopters picked up & dropped off personnel (see Figure 12).
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, and staging for micropile, erection, vegetation maintenance, hauling, conventional assembly, wire, road, toad survey, bird survey, QC, and BMP crews occurred.
6. Fromm Yard – No work occurred at this yard during this reporting period.
7. El Monte Yard – A driveway crew worked at yard entrance.
8. Helix Yard – Helicopter operations, weed wash station operations, dust suppression, hooking, and staging for micropile, assembly, wire, BMP, and QC crews occurred.
9. Jacumba Valley Ranch (JVR) Yard – Helicopter operations, weed wash station, dust suppression, and water staging. Also used for staging QC, habitat assessment, BMP, assembly, micropile, and erection crews.
10. Kreutzkamp Yard – Helicopter operations, weed wash station operations, water staging, dust suppression, vegetation maintenance, office trailer delivery, and staging conventional foundation 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, habitat assessment, QC, vegetation assessment, conventional assembly, weed treatment, conventional foundation, weed control, road, micropile, and BMP crews.
12. SWAT Yard – Water staging (see Figure 13), helicopter operations, dust suppression, tower assembly, weed wash station operations, vegetation maintenance, and staging for micropile, road, QC, gate, vegetation maintenance, conventional foundation, and BMP crews occurred.
13. S2 Yard – Yard had been restored.
14. Sycamore Yard – Dust suppression, helicopter operations, water staging, tower hooking, tower assembly, and staging for road, erection, micropile, habitat assessment, assembly, QC, wire, and BMP crews occurred.
15. Wilson Yard – Staging for tower assembly and wire 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 occurred.
19. Plaster City Yard – Water staging, dust suppression, site restoration occurred. This yard was also used for staging road and BMP crews.

Federal Lands (USFS):

20. Thing Valley Yard – Helicopter operations, water staging, dust suppression, weather station installation, hydro-mulching, hauling steel to yard, and staging for BMP, 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.

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 03/27/2012)

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

NTP#	Date Requested	Date Issued	Segment	Description
#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 03/27/2012)

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.
#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.

Variance Request	Date Requested	Date Issued	Segment	Description
#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.
#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

Variance Request	Date Requested	Date Issued	Segment	Description
#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 03/27/2012)

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 Request	Date Requested	Date Approved	Segment #	Description
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.

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 03/27/2012)

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.

Type	Date	Location	Description
PM #7	09/28/11	AER CY	Construction crew entered AER CY prior to Peninsular Bighorn Sheep monitor clearing the site.
NCR #1	09/28/11	Link 1	CPUC issued NCR for breaching a marked Environmentally Sensitive Area (ESA), construction activity without proper monitor present, and failing to communicate the event in a timely fashion.
FS NCR #1	10/27/11	Links 2 & 5	FS SUP Exhibit 4 and Traffic Control Plan violations.
NCR #2	10/27/11	Link 1	Peninsular Bighorn Sheep Construction Monitoring Plan violations.
FS NCR #2	11/03/11	Links 2 & 5	Fire Plan and Traffic Control Plan violations.
FS NCR #3	11/30/11	Links 2 & 5	Tower assembly, erection and wire stringing work is suspended for towers not associated with 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 03/27/2012)

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.

Type	Date	Location	Description
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 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.

Type	Date	Location	Description
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.
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 Road Site was cleaned and stained soils removed. Appropriate agencies were contacted.

Type	Date	Location	Description
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 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.
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.

Type	Date	Location	Description
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.
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.

Type	Date	Location	Description
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.

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	155	133	74
Bureau of Land Management	179	179	163	140	110
US Forest Service	76	76	46	17	17
Miramar	14	14	14	14	11
Total	438	438	378	304	212

PROJECT PHOTOGRAPHS



Figure 1: Air crane conducting tower assembly at Tower EP224-1. ([Link 1](#))



Figure 2: Micropile drilling at EP114-2. ([Link 2](#))



Figure 3: Aircrane flying to CP36-1. (Link 5)



Figure 4: Hydromulching EP219-1 pull site west. (Link 1)



Figure 5: Hand seeding at Tower EP205-1. (Link 1)



Figure 6: Gap in Arroyo Toad fencing near EP79. (Link 2)



Figure 7: BMPs on access road to Tower CP24 after recent storm. (Link 2)



Figure 8: Access road to Tower EP36 after cleanup of hydraulic fluid spill. (Link 2)



Figure 9: Erosion blankets placed in bio-swales along BBTT. (Link 3)



Figure 10: Steel work at Suncrest Substation. (Link 3)



Figure 11: Bird nesting deterrents installed at Alpine Construction Yard. (Link 4)



Figure 12: Personnel being dropped off by helo at Alpine Headquarters. (Link 4)



Figure 13: Bird deterrents installed on water tanks at SWAT Yard. ([Link 2](#))