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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:** September 22, 2011  
**Subject:** Weekly Report 51 – September 4 to September 10, 2011

**INTRODUCTION**

This report provides a summary of the construction and compliance activities associated with the SDG&E Sunrise Powerlink Project. This report is organized as follows:

- Transmission Line Construction
- Substation Construction and Upgrades
- Construction Yards and Other Workspaces

A summary of the Notices to Proceed with construction and Variance Request activity are also provided (see Tables 1 and 2, respectively, near the end of this report). Finally, a summary of Temporary Extra Work-space and non-compliance activity are provided in Tables 3 and 4, respectively.

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

**TRANSMISSION LINE CONSTRUCTION**

**Summary of Activity:**

1. Link 1, 500 kV Overhead Transmission Line:

Non-Federal Lands:

- Vegetation clearing, boulder removal, and site preparation occurred at tower site EP207 (see Figure 1).
- Grading and site preparation was conducted at tower site EP242, access road EP242-N, EP252-1 TSAP, and EP261A.
- Conventional drilling took place at EP207, EP255-2, EP256, EP257, and EP258-3.
- Rebar delivery and inspection occurred at EP245-1, EP256, EP257, and EP258-3.
- Various foundation work (including capping, curing, cage installation, grounding, etc.) was conducted at EP240, EP255-2, EP256, EP257, and EP258-3.
- Concrete was poured at EP240.
- Grouting took place at EP239-1 (pressure grout for conventional foundation).

BLM Lands:

- Vegetation clearing, boulder removal, and site preparation occurred at tower sites EP200-3, EP205, EP206, EP207, EP271-2, and EP278-1.
- Grading was conducted at tower sites EP146 and EP152-2.
- Access road maintenance took place near the EP348/349 pull site and EP355/356 pull site.
- Soil boring occurred at EP198-3 and EP200-3.
- Conventional drilling was conducted at EP206.
- Rebar delivery and inspection took place at EP250 and EP251.



- Micropile drilling occurred at EP269-1, EP271-2, EP272-3, EP273-1, EP274, EP276-1, EP279, and EP281.
- Grouting was conducted at EP272-3, EP273-1, and EP281.
- Micropile trimming took place at EP305-3.
- Micropile proof testing occurred at EP280-1 and EP305-3.
- Micropile cap work was conducted at EP263B-2, EP278, EP311-1, EP312, EP314, EP315-1, and EP317.
- EP269 pull site is being utilized as a staging area for helicopter operations in the Interstate 8 (I-8) island area.
- Tower assembly occurred at EP292, EP293, EP304-2, EP307-1, EP328, and EP362.
- Various tower work (including grounding, insulator installation, etc.) took place at EP306, EP313, EP330, EP341, and EP342.
- QA/QC was performed at EP295, EP296, EP298, EP300, EP341, and EP342.
- Guard structures were removed from EP341.
- Cranes were mobilized to EP351 and EP352.
- Conductor wire was pulled on A, B, and C phases from EP348 through EP255.
- Insulators were installed at EP326.
- Insulators were built at EP328.
- Optical ground wire (OPGW) was clipped in at EP348 through EP355.
- OPGW travelers were installed at EP325.
- Sagging occurred between EP348 and EP355.
- Spacers were placed from EP340 through EP343 and from EP348 through EP355.
- Dampeners were installed at EP245.
- Jumper installation occurred on the dead-end tower at EP341 and EP342.
- Marker balls were installed from EP330 through EP331.
- Wire operation cleanup occurred from EP348 through EP355 and at EP342.
- Aerial lighting was installed at EP331, EP340, EP341, EP342, EP345, EP348, and EP351.

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

### Non-Federal Lands:

- Access road construction occurred at EP39-1, EP39-1 spur, and from Barrett Canyon toward EP39-1.
- Grading occurred at EP91 pull site.
- Topsoil salvage occurred at the EP91 pull site.
- Vegetation removal, boulder removal, and site set-up occurred at EP91PS-W.
- Conventional drilling occurred at EP1-3.
- Tower assembly occurred at EP91 (see Figure 2).
- Crane pad grading/development occurred at EP39-1.

### BLM Lands:

- Access road construction occurred at EP42N.
- Vegetation removal, boulder removal, and site set-up occurred at EP44.

US Forest Service Lands:

- During this reporting period, there were 2 days with a PAL Level of B, 1 of D, and 2 of Ev. Work activities ended each day in accordance with the fire plan and the approved Ev variance letter as appropriate.
- Access road construction occurred along La Posta Road (see Figure 3) from EP125 to EP127, EP127 spur, EP127, EP130 spur, and EP136.
- Grading occurred at EP127, EP130 pull site, and EP132-2 TSAP.
- Topsoil salvage occurred at the EP130 pull site.
- Vegetation removal, boulder removal, and site set-up occurred at EP34-1, EP34-1 TSAP, EP132-2, EP138-2, and EP140.

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

- Redevelopment/Revitalization occurred at South Grade Road.
- Trenching occurred at Vault V1L, V1R to Caltrans bore pit, V2L to Caltrans bore pit, V10R to V11R, V11L, and V18R to V19R.
- Pre-drilling/drilling occurred from V9R to V10R and Viejas Creek Bridge.
- Pouring of encasement occurred from V20L to riser pole.
- Pre-racking/Racking and cleaning manholes for jointing/splicing occurred from V3R to V4R, V6L, V14L, and V17R.
- Proofing occurred at V2R, V7R to V8R, and V10L to V11L.
- Milling and setting plates occurred from V10R to V11R.
- Paving (including preparation) occurred near V10R to V11R.
- Grading occurred at Slay Property.
- Fiber testing occurred at V17R.
- Concrete forms were set at Viejas Creek Bridge.
- Bridge attachment occurred at Alpine Creek Bridge.

4. Link 5:

Non-Federal Lands, 220 kV Overhead Transmission Line:

- Vegetation removal, boulder removal, and site preparation occurred at CP55, CP56-1, and CP98-1.
- Grading occurred at CP98-1, CP101-1 TSAP, and CP105-1 TSAP.
- Access road construction occurred at CP98-1.
- Micropile preparation occurred at CP108 and CP109-1.
- Micropile drilling occurred at CP23, CP71, CP72-2 (see Figure 4), and CP73-2.
- Soil boring occurred at CP70-3.
- Concrete pouring occurred at CP40-2 (repairs).
- Steel erection occurred at CP41-2.

BLM Lands, 220 kV Overhead Transmission Line:

- Access road construction occurred from the CP64 pull site to CP65.
- Micropile drilling occurred at CP65-1, CP66-2 (see Figure 5), CP67-3, and CP68-1.
- Grouting occurred at CP66-2.

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

- No work occurred during this reporting period.

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

- No work occurred during this reporting period.

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

- Anchors were dug and installed, and the pole hole dug at Location #2 on the 12 kV line.

US Forest Service Land:

- Vegetation removal, boulder removal, and site preparation occurred at CP101-1, CP103-3, CP104-1, CP105-1, CP108, and CP109-1.
- Access road construction occurred at CP69-1.
- Grading occurred at CP101-1 TSAP and CP105-1 TSAP.

### **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:

- Maintained along access roads near EP255 and EP255 pull site.

BLM Lands:

- No work occurred during this reporting period.

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

Non-Federal Lands:

- Access road from Barrett Canyon toward EP39-1, EP39-1, EP54, EP91, EP92, EP93, and EP93 access road.

US Forest Service Lands:

- EP34-1, EP34-1 TSAP, EP125, EP125 spur, EP126, EP126 spur, EP127 spur, La Posta Road from Sandy Creek Lane to EP127, EP126-1 access road, EP127 access road, EP130 pull site, EP132-2, and EP132-2 TSAP.

BLM Lands:

- EP41, EP42, EP44, EP45-1, and EP47.

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

- Street sweeping occurred along Alpine Boulevard.
- BMPs were maintained as needed along Alpine Boulevard and on the Loritz, Bauer, and Slay properties.

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

Non-Federal Lands:

- CP16-1, CP62-2 and CP98-1 access road.

BLM Lands:

- CP62A and CP67-3.

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

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

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

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

US Forest Service Lands:

- CP101-1, CP103, CP104, CP105-1, and CP105-1 TSAP.
6. One Wilson's Warbler (*Wilsonia pusilla*) was found dead at EP241. (Link 1)
  7. Four flat-tailed horned lizards (*Phrynosoma mcallii*) were relocated away from construction activities to a more suitable habitat. Two were moved from EP360, one from the access road between EP360 and EP361 and one from EP359. (Link 1)
  8. One San Diego coast horned lizard (*Phrynosoma blainvillei*) was relocated away from construction activities to a more suitable habitat from EP152-2. (Link 1)
  9. Daily barefoot-banded gecko sweeps were made by a qualified biologist where work occurred in the species' habitat. (Link 1)
  10. One San Diego desert woodrat (*Neotoma* sp.) was found dead on La Posta Road near EP126. From what remained of the animal, the biologist could not determine the species. (Link 2)
  11. Seven (7) California legless lizards (*Anniella pulchra*) were found dead; two (2) at Thing Valley Yard during clearing operations, and five (5) near EP130 due to grading activities. One California legless lizard was relocated from the spur road at EP130. (Link 2)
  12. Six San Diego coast horned lizards (*Phrynosoma blainvillei*) were relocated: one (1) from McCain Valley Yard, four (4) from Thing Valley Yard, and one (1) from EP152-2. (Links 1& 2)
  13. Arroyo toad surveys were performed along the access road between EP49 and EP53. (Link 2)
  14. Pre-construction surveys were performed throughout Link 1, 2 and 5 with appropriate monitors.

No Non-Compliance Reports or Project Memoranda were issued during the subject period for Transmission Line Construction activities. Non-Compliance activities for the project to date are summarized in Table 4.

**Agency Representatives during Construction (other than EMs):**

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

**SUBSTATION CONSTRUCTION AND UPGRADES**

**Summary of Activity:**

1. Suncrest Substation, Link 3 (non-federal lands): Rough grading occurred on the substation pad and along Bell Bluff Truck Trail (BBTT). Rock was crushed for select fill material. Piers were drilled for foundations. Foundation pads were formed and concrete was poured. Vault excavation and trenching between vaults for underground utilities took place. Survey staking and vegetation clearing at the culverts along BBTT was conducted. Steel erection was conducted on the northwest quadrant of the pad (see Figure 6). Construction of the soil nail wall on the eastern slope took place. Grading occurred on the southwest quadrant of the pad and around the northern sediment detention basin. Drilling and blasting were conducted on the eastern section of the pad. Work began at EP1 (see Figure 7).
2. Imperial Valley Substation Upgrade (BLM lands): Building and erection of the new maintenance and storage building continued. Steel was moved from the northwest corner of the substation to EP636.
3. San Luis Rey Substation (non-federal lands): No Sunrise Powerlink related work occurred during this reporting period.
4. Encina Substation (non-federal lands): The contractor trenched and formed rebar for the new 230 kV transformer pad and prepared for steel erection. A fire retaining wall was built near the new control house and transformer pad. Wiring in and around the control house continued.
5. Sycamore Substation (non-federal lands): The contractor built disconnect supports in Bay 21.

### **Environmental Compliance:**

1. All applicable Biological, Cultural, Paleontological, and Native American monitors have been present during ground disturbing activities at all substations.
2. One Western skink (*Eumeces skiltonianus*) was found dead along Bell Bluff Truck Trail. (Link 3)

No Non-Compliance Reports or Project Memoranda were issued during the subject period for Substation Construction and Upgrade activities. Non-Compliance activities for the project to date are summarized in Table 4.

### **Agency Representatives during Construction (Other than CPUC EMs):**

None.

### **CONSTRUCTION YARDS AND OTHER WORKSPACES:**

#### **Summary of Activity:**

Non-Federal Lands:

1. Alpine Construction Yard – Materials staging, weed wash station operations, and steel deliveries occurred.
2. Alpine Headquarters – Helicopters dropped off personnel.
3. AER Yard – Tower assembly, helicopter operations, as well as equipment and materials delivery were all conducted in this yard.
4. Barrett Canyon Yard – Construction of access road to sites and yard, and BMP installation occurred.
5. Bartlett-Hauser Yard – Helicopter operations, weed wash station operations, and water staging occurred.
6. Fromm Yard – Tower assembly, drilling for EP258 occurred, and steel deliveries were made.
7. El Monte Yard – Equipment staging, materials staging, and tower assembly occurred.
8. Helix Yard – Helicopter operations, tower lifts, water staging, and staging for foundation work occurred.
9. Jacumba Valley Ranch (JVR) Yard – Helicopter operations, steel hauling, and water staging occurred in the yard.
10. Kreutzkamp Yard – Tower assembly, helicopter operations, weed wash station operations, staging for arroyo toad fencing crews, and steel delivery occurred.
11. Rough Acres Yard – Helicopter operations (including delivery of vegetation clearing equipment), air crane activity, and tower assembly was conducted. The yard was also used for materials storage.
12. SWAT Yard – Tower assembly, weed wash station operations, water staging, and material deliveries occurred.
13. S2 Yard – The yard was used for tower assembly, staging for concrete foundations, tower QA/QC, and water and steel staging.
14. Sycamore Yard – Helicopter operations, materials staging (see Figure 8), and weed wash station operations occurred.
15. Thomas Yard – This yard has officially been closed.
16. Wilson Yard – Materials were staged for Suncrest Substation. Helicopter operations and tower assembly also took place.

Federal Lands (BLM):

17. Dunaway Yard – Used as a water supply for dust control, staging for wire stringing, and steel deliveries were made.
18. Imperial Valley Yard – Water staging area and water tanks were removed.

19. McCain Valley Yard – Vegetation clearing and perimeter fencing continued. Steel deliveries were made and BMPs were planned for the yard.
20. Plaster City Yard – Concrete and water were staged, equipment was removed, tower assembly occurred, wire stringing activities, fuel trucks refueled, water was delivered, and water trucks watered the yard and refilled tanks.

Federal Lands (USFS):

21. Thing Valley Yard – Vegetation clearing, tracking/flattening of recently cut vegetation, grading, topsoil salvage, and BMP installation occurred (see Figures 9, 10, and 11).

**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 coast horned lizard (*Phrynosoma blainvillei*) was relocated away from construction activities to a more suitable location at McCain Valley Yard. (Link 1)

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 09/22/2011)

NTP#	Date Requested	Date Issued	Segment #	Description
#1	01/04/10	04/28/10	25	San Luis Rey Substation Upgrades
#2	02/08/10	04/29/10	23	South Bay Substation Upgrades
#3	02/26/10	05/20/10	Yard	Alpine Yard 18
#4	01/26/10	05/28/10	Yard	Alpine Yard 18A
#5	02/05/10	09/28/10	Yard	Rough Acres Yard, Phase 1
#6	05/26/10	09/28/10	24	Encina Substation Upgrades
#7	05/28/10	09/28/10	Telecomm	White Star Communication Facility
#8	06/09/10	10/06/10	Substation	Pomerado Substation Upgrades
#9	06/09/10	10/06/10	Substation	Scripps Switchyard/Substation Upgrades
#10	10/13/10	11/23/10	15	Link 4, Alpine 230 kV Underground Construction
#11	10/19/10	12/15/10	13	Link 3, Suncrest Substation/Wilson Construction Yard
#12	11/30/10	12/23/10	Yard	Rough Acres Yard, Phase 2
#13	11/09/10	01/14/11	2-18, 20-22	Links 1, 2, and 5, overhead construction on non-federal lands
BLM #1	01/19/11	02/03/11	1	Imperial Valley Substation upgrades.
BLM #2	03/28/11	04/04/11	2-12, 16-17	Links 1, 2, and 5 overhead construction on BLM Lands.

NTP#	Date Requested	Date Issued	Segment #	Description
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 09/22/2011)

Variance Request	Date Requested	Date Issued	Segment #	Description
#1	11/04/10	11/10/10	Yard	Thomas Yard (El Centro, CA)
#2	12/22/10	03/18/11	Yard	Sycamore Estates Construction Yard. Response to inquiry received 02/23.
#3	01/06/10	01/18/11	All	Modification to tree trimming requirements.
#3 MOD	01/25/11	01/26/11	All	Modification to brush clearing requirements.
#4	01/13/11	03/01/11	Yard	Helicopter Temporary Landing Pad area at the Alpine Regional Field Offices.
#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.



Variance Request	Date Requested	Date Issued	Segment #	Description
#18	06/27/11	07/14/11	Link 1	Gate installation between mile markers 38.5 and 39.5.
#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	Under Review	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	Under Review	Link 1	Temporary Staging area near Mountain Springs Grade Rd.

**TABLE 3**  
**TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS**  
(Updated 09/22/2011)

TEWS Request	Date Requested	Date Approved	Segment #	Description
TEWS #1	11/01/10	11/01/10	White Star	Asphalt paved area for vehicle parking and staging
TEWS #2	03/17/11	03/18/11	Link 4	Parking on Puetz Valley and Alpine Blvd
TEWS #3	03/17/11	03/18/11	Link 4	Parking on Harbison Canyon and Alpine Blvd
TEWS #4	03/22/11	03/23/11	Link 5	Storage on One Father Junipero Sierra Trail
TEWS #5	03/24/11	03/24/11	Link 4	Parking at 3900 Willows Rd. West
TEWS #6	03/24/11	03/24/11	Link 4	Parking at 5840 Willows Rd. East
TEWS #7	04/06/11	04/07/11	Link 2	Northern access road to EP 79
TEWS #8	04/14/11	04/14/11	Link 2	Northeast spur of access road to EP 84
TEWS #9	05/17/11	05/24/11	Link 1	Use of SWPL tower sites for parking (EP331-341)
TEWS #10	05/24/11	05/24/11	Link 5	Parking and pullsite adjacent to Alliant University
TEWS #11	06/16/11	06/16/11	Link 1	Use of alternative access to EP 240, per the request of the landowner at JVR
TEWS #12	06/20/11	06/20/11	Link 1	Use of SWPL tower sites for parking (EP295-299)
TEWS #13	06/30/11	07/01/11	Link 1	Use of SWPL tower site for parking (EP324)
TEWS #14	07/01/11	07/01/11	Link 1	Use of SWPL tower sites for parking (EP300, EP302, EP306, EP307, EP312)

TEWS Request	Date Requested	Date Approved	Segment #	Description
TEWS #15	07/06/11	07/06/11	Link 1	Use of SWPL tower sites for parking (EP294, EP303, EP304, EP305)
TEWS #16	07/11/11	07/12/11	Link 5	Parking near CP20
TEWS #17	07/11/11	07/12/11	Link 5	Parking near CP24
TEWS #18	07/11/11	07/12/11	Link 5	Parking near CP29
TEWS #19	07/18/11	07/19/11	Link 1	Parking near EP314
TEWS #20	07/22/11	07/25/11	Link 1	Parking near EP315
TEWS #21	08/05/11	08/05/11	Link 1	Parking near EP290
TEWS #22	08/09/11	08/10/11	Link 2	Parking near EP90/EP91
TEWS #23	09/07/11	09/07/11	Link 5	Temporary use of access road near El Monte Rd (12 kV)
TEWS #24	09/13/11	09/13/11	Link 2	Temporary use of access road near Barrett Substation

#### NON-COMPLIANCES & INCIDENTS

CPUC Project Memorandum (PM) and Non-Compliance Reports (NCR), and 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 09/22/2011)

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

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

**TABLE 5**  
**PROJECT INCIDENTS**  
(Updated 09/22/2011)

Type	Date	Location	Description
Incident	11/01/10	White Star	Delivery of a rebar cage outside of the approved disturbance area.
Incident	02/17/11	EP 244, Link 1	Nest incorrectly marked at entrance to EP 244.
Incident	02/18/11	Alpine HQ	Emergency weather landing and storage of 3 helicopters at Alpine HQ.
Incident	03/12/11	EP 252, Link 1	Bulldozer was delivered at site prior to CPUC clearance being given.
Incident	03/15/11	EP 214, Link 1	Dewatering approximately 1 gal of groundwater from an excavation hole without having submitted a dewatering plan to the CPUC.
Incident	04/06/11	JVR 12 kV, Link 1	Confusion on approved work areas due to varying maps having been distributed to workers and monitors.
Incident	04/07/11	JVR 12 kV, Link 1	A site was worked on prior to CPUC EM construction release having been received for the area, no resources were damaged.
Incident	05/05/11	Link 4	Three small fires were reported on Link 4 Underground. Fire tools were used by the on-site fire patrol to immediately respond per the Sunrise Fire Plan. Notification to Alpine Fire was made.
Incident	05/17/11	Link 1	BMP crew drove off the road between EP345 and EP346 and park within the ESA boundary.
Incident	06/07/11	Link 1	During the aerial delivery of a structure body to EP339, approximately 200 ft outside of Plaster City Yard, the piece fell from the Aircrane. No injuries have been reported.
Incident	06/10/11	Link 1	During the aerial delivery of a structure layback to EP 339, at the EP 339 construction site, 3 of the 4 hooks released and caused an emergency placement of the steel at the site. While in the process of placing on the ground, the 4 <sup>th</sup> hook released and the tower fell to the ground. No injuries have been reported.
Incident	07/07/11	Link 1	A project water tanker was stuck on the side of Evan Hughes Highway and released approximately 1,000 gallons of potable water into Coyote Wash, after pulling over to evaluate a bridge crossing. All necessary notifications were made.
Incident	07/07/11	Link 5	Construction vehicles, including project fire truck, were noted to be outside of approved disturbance areas at CP40 and CP41. Link leads were notified and immediate corrective action was taken.
Incident	07/11/11	Link 1	A skid fell off the KMax Helicopter while en route to a tower site. The skid was within the Project ROW and no injuries were reported. The item was retrieved on foot.

Type	Date	Location	Description
Incident	07/28/11	Link 1	Unapproved disturbance of approximately 50'x100' occurred during the grading operations of the AER yard. No resources were impacted.
Incident	08/04/11	Link 1	An air compressor was dropped approximately 500 ft north of EP327, from a KMax helicopter while in transit to a micropile site. Approximately 50-60 gallons of diesel was spilled in an area of approximately 75' in diameter. Site has been cleared and appropriate agencies have been contacted.
Incident	08/05/11	Link 3	Small fire resulted from excavation activities along BBTT. Burned an area approximately 50'x50' prior to it being extinguished. Notifications were made immediately.
Incident	08/13/11	Link 2	Accident along Lyons Valley Rd, where a project truck went off the embankment by 300'. No injuries reported. Assessment team was sent to the site and notifications were made.
Incident	08/15/11	Link 2	Sparks caused by loose chain from a project vehicle interacting with the roadway started a 2 acre fire. The fire was extinguished and proper notifications were made.
Incident	08/18/11	Link 2	An unsteady load caused a forklift to fall to its side at EP 91. A small spill of hydraulic fluid took place, all disturbance was contained within the established work area, and no injuries were reported.
Incident	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	09/21/11	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.

## CONSTRUCTION PROGRESS

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

**TABLE 6  
CONSTRUCTION PROGRESS**

Agency	Total Towers	Released for Construction thru 09/21/11	Foundations Completed	Towers Erected	Wire Installed
Non-Federal	168	159	57	21	0
Bureau of Land Management	180	159	69	46	26
US Forest Service	76	51	0	0	0
Miramar	12	12	1	1	0
Total	436	381	127	68	26

## PROJECT PHOTOGRAPHS



**Figure 1:** Vegetation clearing at EP207. ([Link 1](#))



**Figure 2:** Tower assembly at EP91. ([Link 2](#))



**Figure 3:** Grading of La Posta Road on USFS land. (Link 2)



**Figure 4:** Aerial view of micropile operation at CP72-2. (Link 5)





**Figure 5:** Aerial view of micropile operation at CP66-2. (Link 5)



**Figure 6:** Soil testing at EP1 in Suncrest Substation. (Link 3)





**Figure 7:** View of Suncrest Substation pad. (Link 3)



**Figure 8:** Material staging at Sycamore Construction Yard. (Link 5)



**Figure 9:** Vegetation clearing on USFS land at Thing Valley Construction Yard. (Link 2)



**Figure 10:** Grading on USFS land at Thing Valley Construction Yard. (Link 2)



**Figure 11:** Stockpiling of topsoil on USFS land at Thing Valley Construction Yard.  
([Link 2](#))