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**PROJECT MEMORANDUM  
SCE TRANSMISSION PROJECTS, SEGMENTS 1 - 11**

**To:** John Boccio, Project Manager, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** March 23, 2011  
**Subject:** Weekly Report 163, March 6 to March 12, 2011

**INTRODUCTION**

This report provides a summary of the construction and compliance activities associated with the following SCE transmission projects:

- Antelope-Pardee 500 kV Transmission Project, Segment 1, including Antelope Substation expansion;
- Antelope Transmission Project, Segments 2, 3A and 3B, including the Windhub and Highwind Substations; and
- Tehachapi Renewable Transmission Project, Segments 4 through 11, including Whirlwind Substation and the expansion of Vincent Substation.

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 Workspace and non-compliance activity are provided in Tables 3 and 4 & 5, respectively.

**CPUC/Aspen Environmental Monitors (EM):** Stephanie Jayne, Jenny Slaughter, and Allison Roth

**SEGMENTS 1-3: ANTELOPE-PARDEE AND ANTELOPE TRANSMISSION PROJECTS**

**Summary of Activity:**

1. Construction of Segments 1, 2, and 3A has been completed. Construction of Segment 3B, from Windhub Substation to and including Highwind Substation, has not started and no schedule has been developed by SCE.

2. Construction activities at the Antelope Substation included conductor stringing, installing disconnects, and major steel completion in the 500 kV area. Upcoming work includes filling the AA banks with oil.

No materials were stored in the laydown yard during this reporting period. The spoil pile in front of the Antelope construction trailers remains active (i.e., soil from the expansion is being added to the pile) and is now being partially used to backfill the tower footing removal work on Segment 5. It may be potentially used as fill in the new Whirlwind Substation. An SCE office trailer for TRTP 4-11 has been installed adjacent to the spoil pile.

3. Construction activities at the Windhub Substation included structural steel work and capacitor bank work in the 500 kV area and ground grid work in the 220 kV area. Four transformers are welded in place and three more are to be delivered.

4. Material for Segment 3B and the future Whirlwind Substation is being stored at the Highwind Yard.

5. Habitat restoration has not been completed on Segment 1. ECORP and Nature's Image are conducting maintenance activities including weeding in areas previously seeded. Restoration at Wire Stringing Site 3 and Tower 9 on Segment 1 has been recently completed.

6. Revegetation for Segments 2 and 3A started in mid-February. Currently, crews are decompacting project disturbance areas in preparation for seeding (see Figure 1).



## **ENVIRONMENTAL COMPLIANCE:**

1. SCE has developed a solution for the channel incision that occurred immediately downstream of the riprapped stream channel at the Windhub Substation site for which an Addendum was approved by the CPUC. SCE is also reviewing the need for a modified Streambed Alteration Agreement for the effort.

No Non-Compliance Reports or Project Memoranda were issued for Segment 1-3 construction activities during the subject period. Non-Compliance activities for the project to date are summarized in Table 4.

## **AGENCY REPRESENTATIVES DURING CONSTRUCTION (OTHER THAN CPUC EMS):**

None

## **TEHACHAPI RENEWABLE TRANSMISSION PROJECT (TRTP) SEGMENTS 4-11**

The SCE Tehachapi Renewable Transmission Project was evaluated in accordance with the California Environmental Quality Act and a Certification of Public Convenience and Necessity (CPCN) was granted by the CPUC on December 17, 2009.

### **SEGMENTS 4, 5, AND 10 - ANTELOPE VALLEY**

#### **Summary of Activity**

1. In the Vincent Substation expansion, work included trenching and installation of the ground grid, constructing concrete forms for breaker foundations, drainage pipeline installation, application of gunnite to slopes, and perimeter fence installation.
2. Segment 4: KV Structures (drilling contractor) continued drilling, setting rebar cages using a spider jig for stub angle placement, and concrete pouring at Towers 28 through 33. H&M steel crews continued tower assembly work at Towers 38, 39, and M86-T2A. Access roads to new towers were bladed from Tower 24 to 33. The access road widening to 14 feet occurred between Towers 43 and 55 (see Figure 2). Disturbance staking was re-installed at various towers. Tortoise fence installation began at Interset Tower M73-T3A (just outside of the Whirlwind Substation).
3. Segment 5, Towers 1 to 47: Woodward Brothers (drilling contractor) continued drilling, setting rebar cages, and concrete pouring at Towers 31 through 34. Approximately 34 miles of wire has been removed and this activity is now complete. H&M steel crews continued tower assembly and erection at Towers 4, 5, 9, and 13. Access road grading to Tower 42 continued and soil is still being stockpiled at Tower 41. Crane pad grading occurred at existing towers between new 500 kV Towers 18 through 29 as well as new access road grading. Wreck-outs of the 220 kV towers continued. BMP's (i.e. fiber rolls) were installed between Towers 25 and 29 north of Elizabeth Lake Road.
4. Segment 5, Towers 48 to Vincent Substation: Woodward Brothers mobilized the drill to Tower 62. H&M steel crews continued tower assembly at Tower 61A and 65.
5. Segment 10 Telecom: Fiber optic cable (FOC) is completely installed between Rosamond and Windhub Substations. An H&M crew conducted minor work on poles along Favorito Avenue and an anchor pole was installed at Favorito Avenue and Tehachapi Willow Springs Road. Griffin Construction completed FOC pulling along Rosamond Boulevard. Trenching occurred along Rosamond Boulevard at 140<sup>th</sup> Street as part of the underground work (see Figure 3).
6. Whirlwind Substation: Moore Fence Company continued trenching and fence installation along the fence limits on the west side of 170<sup>th</sup> Street and on the southwest side of the substation. Grubbing is complete with the exception of the jurisdictional drainage in the northwest corner. Cattracs continued grading operations for the basement of the MEER building and the 220 kV area. Materials are being stored in the rocked laydown area in the southwest corner of the substation. Staking for the new well occurred in the northern area of the substation. Gravel was placed on General Petroleum Road from 170<sup>th</sup> Street to the substation entrance.

### **Environmental Compliance:**

1. SCE contacted Aspen regarding minor changes to the Segment 10 Telecom alignment (movement of wood poles, installation of new anchors, and modifying the underground portion). SCE is currently organizing the information and will be submitting a Modification to the NTP to document these changes.
2. The CPUC is awaiting response from SCE in regards to topsoil salvage from temporary disturbance sites for restoration and visual requirements for Segments 4, 5 and 10. So far, there has been no salvaging of topsoil in project areas.
3. Special-status species observed during the week by Biological Monitors included burrowing owl, loggerhead shrike, northern harrier, and ferruginous hawk.
4. Nine new nests discovered this week included raven, barn owl, bushtit, house finch, cactus wren, and Bewick's wren. SCE received CDFG concurrence on buffer reductions for three nests.
5. The CPUC EM was notified by SCE on March 7 that an active nest at Tower 40 on Segment 5 is no longer present and a new nest appeared near Tower 39. The ESA buffer was removed from Tower 40 and installed at Tower 39.
6. The CPUC EM observed lack of BMP's (i.e. fiber rolls) where grading had occurred at existing towers on Segment 5 on March 8. The CH2MHill Environmental Monitor and the Burns & McDonnell Environmental Coordinator were informed of the observation.
7. SCE reported to the CPUC and CDFG that three song sparrows were observed under the bird netting in the Rodeo Yard on March 8. All were safely released.
8. SCE requested concurrence from CDFG on the access road berm clarification on March 8. A road berm is defined as being greater than 12" high with a slope of greater than 30 degrees.
9. During the weekly construction meeting, the cultural leads informed the contractor that the access road capping south of Avenue D on Segment 4 is now inadequate and needs to be repaired as soon as possible.
10. SCE reported to the CPUC and CDFG that two house finches were trapped due to a gap in the bird netting in the Rodeo Yard on March 9. The birds were safely released.
11. A paleontological discovery was made on March 12 in the Whirlwind Substation. The monitor found four small mammal fossilized bone fragments and an approximate 300 lb. matrix sample was test screened and nothing further was identified.
12. A cultural discovery was made on March 9 during the tower footer removal activity on Segment 5. Several historical items were uncovered during the digging (see Figure 4). Project activities ceased while archaeologists were contacted to document the find. The CPUC EMs were immediately notified.
13. SCE requested concurrence from CDFG in regards to the tortoise fence installation along access roads on Segments 4 & 10. CDFG requested further clarification on minimum and medium improvement roads.

Eight Level 1 SCE NCR's and three Level 2 NCR were issued during the subject period for TRTP Segment 4, 5 and 10 construction activities (see Table 4). No CPUC Project Memoranda or NCR's were issued for Segments 4, 5, and 10 during this reporting period. Non-Compliance activities for the project to date are summarized in Tables 4 and 5.

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

None

## **SEGMENTS 6 AND 11 - ANGELES NATIONAL FOREST**

### **Summary of Activity**

1. The Final EIS was released by the Angeles National Forest (ANF) on September 14, 2010. The ANF Record of Decision was issued on October 4, 2010, and the Special Use Permit is anticipated for release in April 2011. Construction is expected to begin in May 2011.
2. Vincent North and South Material Yards: During the subject period, material delivery and watering for dust control occurred in both yards.
3. No site preparation work has commenced at Material Yard 75 South.

### **Environmental Compliance**

1. SCE reported to the CPUC and CDFG that an orange-crowned warbler was trapped within the bird netting in a juniper tree in the Vincent North Yard on March 6. It was safely released.
2. PAR has installed a large netted parking area in the Vincent South Yard as a deterrent to nesting birds.

No SCE non-compliances were issued during the subject period for TRTP construction activities. No CPUC Project Memoranda or NCR's were issued for Segments 6 and 11 during this reporting period. Non-Compliance activities for the project date are summarized in Tables 4 and 5.

## **SEGMENTS 7 AND 8 - LOS ANGELES AND SAN BERNARDINO COUNTIES**

### **Summary of Activity**

1. Segments 7 & 8, 66 kV: During the subject period, Wilson crews continued work on the foundations for riser and non-riser poles for the Chino 66 kV Relocation. Crews drilled holes and placed cages. Twenty-nine of fifty-four foundations are now complete. Wilson crews also continued overhead and underground work on the Rio Hondo Substation to Ramona Boulevard overhead portion of the Rio Hondo-Amador-Jose-Mesa line in the City of Irwindale. Work included removing hardware extension arms and fence repair along Rivergrade Road and Lower Azusa Road, and boring through a flood channel within the Duck Farm in the City of South El Monte. SCE crews worked on the overhead portion of the Walnut-Hilgen-Industry-Mesa-Reno line and on the Rio Hondo-Amador-Jose line in Gallo's Nursery in the City of El Monte. Crews set poles and strung conductor.
2. Segment 7: Tri-State continued drilling two foundations in the City of Duarte. Wilson removed conductor across Interstate 605 (from structures M31-T2 to M31-T4), and from Towers M31-T1 to M30-T2 (see Figure 5). DCX crews continued foundation demolition and tower shearing at six towers (see Figure 6). Tower crews continued assembly at Tower M54-T3a in the City of Duarte (see Figure 7).
3. Segment 8, Phase 1: DCX and Tri-State crews continued to work within Tonner Canyon in the City of Industry and in the City of Chino Hills. Crews continued drilling at two foundations for the new double circuit 500 kV Mira Loma-Vincent line. Additionally, crews performed some minor grading at Tower M59-T3.
4. Segment 8, Phase 2: Wilson crews continued assembly work at four towers on the 220 kV Chino-Mira Loma No. 1 line (see Figure 8). Tri-State and DCX crews drilled foundations at five tower locations. Additionally, DCX crews continued to mow within disturbance areas around towers and wire setup sites.

### **Environmental Compliance:**

1. Wilson crews drilling foundations for 66 kV riser poles within the City of Chino breached an unmarked 1½" gas main. There was minor damage to the pipe, but no one was injured. The crew had a safety stand-down through March 6<sup>th</sup>.

2. A potted nursery plant containing an active mockingbird nest within the disturbance area at Tower M-54T3a was sold by the nursery on March 5<sup>th</sup> or 6<sup>th</sup>.
3. The CPUC EM sent SCE an email regarding a general resources preconstruction survey report for Segment 8, Phase 4. The work identified in the report was adjacent to or within critical habitat for coastal California gnatcatcher (CAGN). The CPUC EM requested clarification of planned management of the area.
4. While conducting a field verification of a preconstruction survey report for Segment 8 Phase 4, the CPUC EM noted a possible historic feature near the tower disturbance area. The CPUC EM provided information about the resource to SCE archaeologists.
5. The CPUC EM conducted a field verification for Segment 7 66 kV in the City of Irwindale and noted that the preconstruction survey report indicated that the SCE Biologist did not have the proper maps for the report's location. An inquiry to SCE was made; the TSP numbers for the 66 kV portion of the project have not been fully updated and provided to the biologists. SCE is working to rectify the situation.
6. ICF Biologists continue to collapse burrows along Edison Avenue in the City of Chino as part of a burrowing owl relocation that commenced on February 1<sup>st</sup>.
7. Special-status species observed during the week by Biological Monitors included burrowing owl, northern harrier, loggerhead shrike and white-tailed kite. The species were not observed within the project component.
8. Bird nesting clearance surveys are being conducted in advance of construction as required by adopted mitigation measures. Fifty-four new nests discovered on Segments 7 and 8 included loggerhead shrike nests, house sparrow nests, bushtit nests, black phoebe nests, red-winged blackbird nests, American crow nests, house sparrow nests and northern mockingbird nests. CDFG provided concurrence of buffer reductions for five nests. On March 8th, CDFG provided concurrence on nest buffer reduction and inactive nest removal of non-native bird species not protected by the Migratory Bird Treaty Act this includes: domestic waterfowl, rock pigeons, ring-necked pheasants, chukar, Eurasian collared-dove, spotted dove, parrots, parakeets, red-whiskered bulbul, European starling, house sparrow, weavers, bishops and manikins. SCE continues to track all bird nests and implements modified buffers for these species.

One SCE Level 1 Non-Compliance Report was issued during the subject period (see Table 4). No CPUC Non-Compliances or Project Memoranda were issued during the subject period for Segment 7 and 8 construction activities. Non-Compliance activities for the project to date are summarized in Tables 4 and 5.

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

**None**

**CPUC NOTICES TO PROCEED (NTPS) & ANF PERMITTING**

Table 1 summarizes the CPUC Notice to Proceed and ANF permitting activity for the Antelope Transmission Projects, Segments 1-3, and TRTP, Segments 4-11, to date.

**TABLE 1**  
**CPUC NTPs & ANF PERMITTING**  
(Updated 03/23/11)

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
CPUC NTPs, Segments 1-3				
<i>For CPUC NTP and Addendum activity on Segments 1-3 prior to 2010, please see Table 1 in Weekly Reports 106-107.</i>				
#26	12/18/09	01/05/10	1	Expansion of Antelope Substation.
CPUC Addendum	12/21/09	01/19/10	1	Permanent AR 19 and access road to Const 34A.
CPUC Addendum	12/21/09	01/19/10	1	Permanent refueling basin at Hydrant Yard.
#27	12/23/09	01/05/10	3B	Oak Peak Communication Site
CPUC Addendum	01/25/10	02/01/10	2	Reclassification of two temporary roads to permanent and relocation of transposition poles.
Revised CPUC Addendum	02/10/10	02/19/10	2	Relocate two previously approved transposition towers from Const 110 to Const 105.
#28	02/10/10	02/18/10	3B	Highwind Marshalling Yard
#29	02/10/10	03/02/10	1	Relocation of the Sagebrush Transmission Line at the Antelope Substation expansion area.
CPUC Addendum	03/17/10	03/26/10	3A	Vertical mulching, capping of a portion of the existing roadway, and making this overland route a permanent access for SCE operations and maintenance to Const 43.
CPUC Addendum	04/06/10	04/27/10	3B	Elimination of transposition towers in Segment 3B.
CPUC Addendum	04/16/10	04/22/10	1	Installation of fiber optics surrounding the Antelope Expansion.
CPUC Addendum	05/25/10	06/04/10	1	Permanent overland travel routes for Operation and Maintenance inspections.
CPUC Addendum	05/25/10	06/04/10	2	Permanent overland travel routes for Operation and Maintenance inspections.
CPUC Addendum	11/23/10	12/14/10	Windhub Substation	Place additional riprap at the channel outlet at Windhub Substation, to mitigate for downstream erosion resulting from 2009/2010 rains.
CPUC NTPs Segments 4-11				
#1	01/13/10	02/11/10	4, 5, 10	Yard 28
#2	01/28/10	03/10/10	9	Vincent Substation Expansion
#3	03/09/10	04/01/10	7,8	Rancho Vista Yard
CPUC Addendum	04/09/10	04/19/10	9	Changes to Substation components.
#4	01/27/10	04/26/10	7, 8	Segment 7 and 8 Cell Sites
#5	01/27/10	04/30/10	7	Segment 7 Telecom
#6	03/29/10	05/12/10	7,8	Mesa Materials Storage Yard
#7	05/12/10	05/28/10	8	Segment 8 telecommunications.
#7 Mod	08/20/10	08/20/10	8	Minor re-routes to Segment 8 Telecom

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
#8	04/27/10	06/04/10	8	Segment 8 Contractor Yards
#9	07/21/10	07/29/10	7	Segment 7 Contractor Yards
#10	04/08/10	08/03/10	7, 8	66 kV re-route and relocation
#10 Mod	01/28/11	02/04/11	7	Replace 14 existing wooden H-frames poles with steel H-frame poles in order to support the double 66 kV circuit..
#10 Mod	12/03/10	Retracted by SCE	8	Change the design of the 66 kV line entry into the Chino Substation from underground to overhead. Visual simulation pending.
#10 Mod	03/15/11	03/22/11	7	Removal and replacement of 21 wood poles with lightweight steel poles within Rio Hondo Substation.
#11	05/08/10	08/12/10	8	Segment 8 Transmission Line, Chino Hills, Phase I
#12	07/28/10	08/20/10	4, 5, 10	Segment 4, 5, 10 Contractor Yards
#13	07/19/10	08/24/10	8	Segment 8 Transmission Line, Phase 2 and 3
#14	08/25/10	09/03/10	4	Partial Transmission Line work associated with an LADWP outage
#15	08/13/10	09/10/10	5	Segment 5 Transmission Line
#15 Mod	03/08/11	03/14/11	5	Modification of FOC alignment
#16	08/30/10	09/13/10	4	Segment 4 Transmission Line
#17	08/10/10	09/24/10	7	Segment 7 Transmission Line
#17 Mod	01/13/11	02/25/11	7	Segment 7 66 kV wreck-outs.
#18	10/13/10	10/15/10	7	Potrero Grande Contractor Yard
#19	10/29/10	11/12/10	4, 5, 10	Avenue F Contractor Yard
#20	10/08/10	11/30/10	10	Segment 10 Telecom
#21	11/18/10	12/09/10	6 & 11	Vincent North Material Yard.
#22	11/18/10	12/09/10	6 & 11	Vincent South Material Yard.
CPUC Addendum	11/22/10	12/14/10	Vincent Substation	Section of road widening and riprap extension for the Vincent Substation expansion.
#23	12/22/10	1/11/11	6 & 11	Material Yard 75
#24	11/10/10	1/13/11	8	Segment 8 West, Phase 4 Transmission Line.
#25	11/19/10	1/13/11	8	Fullerton (1) and Tonner Canyon (2) Contractor Yards. USFWS/CDFG survey requirements for Tonner CYs required. Only Fullerton CY approved under NTP #25.
#26	06/22/10	1/14/11	9	Whirlwind Substation.
#27	01/03/11	03/08/11	10	Segment 10 Transmission Line.
CPUC Addendum	03/01/11	03/17/11	9	Bridge construction to access Whirlwind substation.
ANF PERMTTING – Segment 1, 6 & 11				
	11/29/07	12/14/07	1	Radio Repeater – installation of a temporary radio repeater site on Sierra Pelona Ridge to provide communication during construction activities tied to the project. Improvement installation began Jan. 11

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
	09/27/07	12/14/07	1	Geotechnical testing – 23 geotechnical borings are authorized on National Forest lands to provide additional information that will be used in the design of the transmission towers. Notice to proceed was signed Jan 31 to begin work the week of Feb. 3
		07/14/08	1	Removal of the 66 kV conductor within the ANF, from tower 7-3 (near southern Forest boundary) to 16-3 (near Bouquet Reservoir) Phase I.
		09/23/08	1	Removal of the 66 kV conductor within the ANF, Phase II
		10/23/08	1	Construction of the 500 kV transmission line and wreck-out of the 66 kV towers in the ANF, Section 2.

## VARIANCE & TEMPORARY EXTRA WORKSPACE REQUESTS

Variance Requests and Temporary Extra Workspace (TEWS) Requests submitted to date are summarized in Tables 2 and 3, respectively.

**TABLE 2**  
**VARIANCE REQUESTS**  
(Updated 03/23/11)

Variance Request	Date Requested	Date Issued	Segment #	Description
Variance Requests, Segments 1-3				
<i>For Variance Request activity on Segments 1-3 prior to 2010, please see Table 2 in Weekly Reports 106-107.</i>				
VR #66	01/11/10	01/19/10	1	Modify the requirements of Mitigation Measure B-1a (Provide Restoration/Compensation for Impacts to Native Vegetation Communities) to fulfill a request from the property owner.
VR #67	01/15/10	01/19/10	3A	Modify requirements of Mitigation Measure B-27b and APMs BIO-2 and BIO-7 to preserve cut Joshua trees onsite instead of off-site disposal to the extent possible for habitat creation purposes.
VR #68	04/09/10	04/12/10	1	Release restoration requirements on road to wreck-out tower 20-4 in Section 3.
VR #69	05/04/10	05/07/10	1	Contractor Yards surrounding Antelope Substation.
VR #69 MOD	07/29/10	08/02/10	1	Additional space for storage at Antelope Substation for material being delivered for Antelope, Vincent and Whirlwind substations.
VR #70	06/02/10	06/04/10	1	Additional disturbance areas adjacent to the pole erections for the 220 kV Sagebrush relocation work around the Antelope Substation.
VR #71	06/22/10	06/23/10	1	Change in construction work hours for work on the Sagebrush 220 kV transmission line.
VR #71 MOD #1	06/24/10	06/25/10	1	Expansion of construction hours for Sagebrush 220 kV T/L and foundation installation work at Antelope Substation.
VR #71 MOD #2	07/08/10	07/09/10	1	Further expansion of construction hours for Antelope Substation construction.



Variance Request	Date Requested	Date Issued	Segment #	Description
VR #71 MOD #3	11/18/10	11/19/10	1	Further expansion of construction hours for Antelope Substation construction.
Variance Requests, Segments 4-11				
VR #1	03/25/10	03/26/10	9-Vincent	Expand grading area of Vincent substation by 15 feet for temporary turnaround areas for equipment.
VR #2	05/25/10	05/27/10	7	Relocation of helicopter landing zone for Segment 7 telecommunications work.
VR #3	06/08/10	06/10/10	7	Clarification of Segment 7 Telecom construction operating hours and to work the weekend dates of June 12, 13, 19, and 20, within the City of Irwindale
VR #4	08/11/10	08/13/10	9-Vincent	Utilize a fire hydrant along an unpaved spur road and also place two 10,000-gallon elevated water storage tanks adjacent to the hydrant.
VR #5	08/20/10	08/20/10	7	Night work for Segment 7 Telecom
VR #6	08/26/10	08/26/10	8	Work on weekends for Segment 8 Telecom.
VR #7	09/10/10	09/16/10	8	New wire setup and pull sites for Segment 8 Phase 1
VR#8	09/16/10	09/16/10	8	Clarification of construction hours for Segment 8 Phase 1
VR #9	09/14/10	09/20/10	Yard 28 & Rancho Vista Yard	Hotwork (welding and cutting) at Yard 28 and Rancho Vista Yard.
Verbal	10/08/10	10/08/10	8, Phases 2 & 3	Wire sites for construction on Sunday, October 10.
VR #10	10/08/10	10/13/10	8	Additional Phase 2 & 3 wire sites.
VR #11	10/01/10	10/15/10	8	Relief from focused biological survey requirements because of restricted property access, Phase I.
VR #12	10/06/10	10/15/10	8	Additional Phase I wire sites.
VR #13	11/09/10	11/17/10	5	Additional wire stringing sites.
VR #14	11/17/10	11/19/10	8	Additional Shoofly pole in Tonner Canyon, Segment 8, Phase 1
VR #15	11/18/10	11/19/10	5	Additional guard poles between Highway 14 and Sierra Highway.
VR #16	11/12/10	11/19/10	5	Realign an existing access road at the southeastern corner of the Vincent Substation 500 kV expansion area to allow for the construction of the Segment 5 T/L.
VR #17	Revised 11/17/10	11/22/10	8	Additional 66 kV material storage near Rio Hondo and Chino Substations
VR #18	11/24/10	12/01/10	5	Continue use of two existing access roads that are approved under a TEWS
VR #19	Revised 11/23/10	12/01/10	5	Additional wire stringing sites.
VR #20	11/30/10	12/02/10	8	Revised alignment of an access road for safer access to tower sites.
VR #21	12/3/10	12/03/10	7/8	Remove fabric on chain-link fence surrounding Mesa MY because of graffiti

Variance Request	Date Requested	Date Issued	Segment #	Description
VR#22	11/22/10	12/07/10	7	Additional wire stringing sites.
VR #23	12/03/10	12/09/10	7	Ten additional access roads.
VR #24	12/17/10	12/20/10	8	Use of an existing concrete parking area/pad in Tonner Canyon as a helicopter landing zone and equipment staging and parking area, Segment 8, Phase I.
VR #25	12/17/10	12/20/10	8	Revision to the Structure Work Area for Tower M73-T2, Segment 8, East (Phase III).
VR #26	1/6/11	1/6/11	7	Revised disturbance areas in Montebello Hills
VR #27	1/12/11	1/13/11	7	Relocation of interset tower M54-T3a
VR #28	01/14/11	1/19/11	Yard	Grading at Vincent South Material Yard.
VR # 29	01/14/11	1/19/11	Yard	Additional parking areas at Rodeo North and South Contractor Yards.
VR #30	01/28/11	01/28/11	Yard	Grading at Vincent North Material Yard.
VR #31	02/04/11	02/04/11	7, 8	Revised 66 kV underground alignment along Edison Avenue in the City of Chino
VR #32	02/04/11	02/07/11	Whirlwind	Temporary offsite equipment loading/unloading and parking area.
VR #33	02/08/11	02/10/11	8	Access route to Tower M0-T6.
VR #34		02/11/11	Whirlwind	Temporary concrete slab within work area (VR #32).
#35	2/14/11	2/14/11	8	Access to additional wire setup sites between Oaks Avenue and Tower M46-T7b.
#36	2/14/11	2/15/11	10 Telecom	Move two wood poles approximately 5 feet out of the drainage along Oak Creek Road.
#37	2/19/11	2/24/11	6	Modification to Yard 75 boundaries.
#38	2/23/11	2/25/11	8	Expansion of wire site for Phase 4 work.
#39	03/01/11	03/03/11	All Yards	Replace fence fabric screening with slats for safety reasons during high wind events.
#40	03/02/11	03/03/11	5	Additional access road to Construct 29.
#41	03/04/11	03/08/11	5	Additional access road improvements.
#42	03/04/11	03/08/11	4	Additional access road improvements.
#43	03/03/11	03/10/11	8	Additional access to Tower M2-T2.
#44	03/16/11	03/18/11	8	Tower M2-T5 and access road shift within SCE ROW

**TABLE 3**  
**TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS**  
(Updated 03/23/11)

TEWS Request	Date Requested	Date Approved	Segment #	Description
TEWS, Segments 1-3				
<i>For TEWS activity on Segments 1-3 prior to 2010, please see Table 3 in Weekly Reports 106-107.</i>				
TEWS, Segments 4-11				
#1	09/30/10	09/30/10	7	Re-phasing work at a tower not previously identified on Rio Hondo–Amador-Jose-Mesa 66 kV
#2	10/8/10	10/8/10	4	Park a boom truck on LADWP access road during the outage
#3	10/12/10	10/12/10	8	Use a wire setup site not previously identified on Chino–Mira Loma No. 1
#4	10/20/10	10/20/10	5	Extra space from wire truck parking near Vincent Substation.
#5	10/21/10	10/21/10	7	Use a site not previously identified for staging of equipment and materials at Tower M54-T3a.
#6	11/1/10	11/1/10	5	Use of an existing SCE access road.
#7	11/1/10	11/3/10	5	Use of an existing road (Parkwood Drive).
#8	11/2/10	11/2/10	8	Use a site not previously identified for vehicle parking and as a helicopter landing zone.
#9	11/30/10	12/1/10	5	Use 8 existing spur roads as extra parking and turnaround areas
#10	12/2/10	12/2/10	7	Additional access road for on Rio Hondo–Anita No. 2 66 kV.
#11	12/8/10	12/8/10	5	Use an existing spur road near Tower 29, north of Elizabeth Lake Road.
#12	12/9/10	12/9/10	7	Additional access road near Towers M41-T1 through M41-T3
#13	12/14/10	12/14/10	8	Access road to Tower M0-T6.
#14	1/10/11	1/10/11	8	Access road to Tower M2-T5
#15	1/11/11	1/11/11	8	Additional parking area in Tonner Canyon.
#16	1/17/11	1/17/11	5	Additional parking and turnaround area near Tower 54.
#17	1/18/11	1/18/11	7	Use of a dirt road for access to M41-T4 wire sites.
#18	2/4/11	2/4/11	7	Additional access road to Tower M54-T3a.
#19	2/11/11	2/11/11	5	Extension for use of mudpit road north of Elizabeth Lake Road.
#20	2/15/11	2/25/11	7	Crane parking on Brookridge Road in the city of Duarte.
#21	3/2/11	3/2/11	8	Additional parking within Tonner Canyon adjacent to M57-T1
#22	3/3/11	3/3/11	8	Additional parking within Tonner Canyon adjacent to M57-T3
#23	3/3/11	3/3/11	7	Additional parking for a crane along Greenbank and Brookridge Roads in the city of Duarte

**NON-COMPLIANCES & INCIDENTS**

Table 4 provides a summary of CPUC and SCE reported compliance incidents. A summary of CPUC Non-Compliance Reports and Project Memorandum is provided in Table 5.

**TABLE 4**  
**OTHER COMPLIANCE INCIDENTS**  
 (Updated 03/23/11)

Description	Type <sup>1</sup>	Date	Location
<b>OTHER COMPLIANCE INCIDENTS, SEGMENTS 1-3</b>			
<i>For Other Compliance Incident activity on Segments 1-3 prior to 2010, please see Table 4 in Weekly Reports 106-107.</i>			
<b>OTHER COMPLIANCE INCIDENTS, SEGMENTS 1-11 (January 2010 thru the present)</b>			
<b>Approved work areas &amp; pre-construction surveys/sweeps:</b> Entry prior to CPUC approval, entry prior to CPUC EM clearance (appropriate flagging/fencing in place), equipment/materials or parking outside of approved disturbance areas,	CPUC	04/20/10 06/03/10 10/19/10 11/15/10 01/26/11	Rancho Vista CY Antelope Seg 7/8, 66 kV Segment 8 Segment 8
	Level 0		
	Level 1	09/21/10 10/01/10 10/09/10 12/06/10 01/07/11 01/12/11 02/11/11 02/12/11 02/12/11 02/14/11 03/07/11 03/11/11	Mesa Yard Racetrack CY Segment 4 (2) Segment 8 Segment 5 Segment 4 66 kV Segment 8 Segment 8 Segment 8(2) Whirlwind Segment 8
	Level 2	06/13/10 01/12/11 02/16/11 02/17/11 02/18/11 02/18/11 02/19/11 02/21/11 02/21/11 02/25/11 02/25/11 02/25/11 03/09/11 03/10/11	Seg 7, Telecom Segment 4 Segment 7 Segment 7 Segment 7 Segment 7 66 kV Segment 7 Segment 4 Segment 4 Segment 4 Segment 4 Segment 4 Segment 4 Segment 5 Segment 5
	Level 3		

Description	Type <sup>1</sup>	Date	Location	
<b>Biological Resource ESA (non-nesting) &amp; Disturbance Areas:</b> ESA buffer encroachment, work with no biological monitor present, work starting prior to daily biological sweep	CPUC	09/21/10	Seg 8, Phase 1	
	Level 0			
	Level 1	08/03/10 12/06/10 02/07/11 02/14/11 02/16/11 02/23/11 03/09/11	Seg 7, Telecom Segment 8 Segment 8 Segment 7 Segment 8 Segment 8 Segment 5	
	Level 2	03/05/11	Segment 8	
	Level 3			
	<b>Nesting:</b> Buffer encroachment, unauthorized nest removal, inadequate notifications,	CPUC	06/02/10 06/04/10 01/26/11	Antelope Antelope Vincent
		Level 0		
Level 1		03/24/10 05/12/10 05/13/10 06/24/20 07/06/10 01/28/11 02/23/11	Vincent Vincent Vincent Yard 28 Yard 28 Segment 5 10 Telecom	
Level 2		06/17/10 06/22/10	Vincent Yard 28	
Level 3				
<b>Biological Resource Endangerment:</b> Foundation holes not covered @ the end of the day, micro-trash, improper bird netting installation/gaps in netting, road improvement in tortoise habitat,		CPUC		
		Level 0		
	Level 1	10/11/10 10/12/10 10/13/10 11/05/10 01/09/11 01/12/11 02/02/11 02/08/11 02/09/11 02/12/11 02/16/11 02/14/11 02/15/11 02/15/11 03/08/11 03/10/11	Vincent Vincent Racetrack CY Racetrack CY Segment 8 Segment 5 Segment 8 Segment 8 Whirlwind Whirlwind Rancho Vista MY Whirlwind Whirlwind Segment 5 Rodeo Rodeo	
	Level 2	03/08/11	Whirlwind	
	Level 3			

Description	Type <sup>1</sup>	Date	Location	
<b>Cultural/Paleontological Resources:</b> Site damage, no monitor present, inadequate notification, unauthorized artifact relocation,	CPUC	05/10/10	Segment 2	
	Level 0	12/01/10 12/02/10 12/03/10 12/07/10 12/10/10 02/02/10	Segment 8 Segment 8 Vincent Segment 8 Seg 7/8, 66 kV Segment 8	
	Level 1	09/24/10 02/01/11	Segment 5 Whirlwind	
	Level 2			
	Level 3			
	<b>Hydrological Resources:</b> Inadequate BMPs, jurisdictional drainage encroachment, track-out	CPUC		
Level 0				
Level 1		09/09/10 01/31/11 02/01/11 02/07/11 02/10/11 02/10/11 02/11/11 02/17/11 02/23/11 03/01/11 03/01/11 03/01/11 03/08/11 03/09/11	Mesa Yard Segment 8 Segment 8 Mira Loma CY Vincent 66 kV Racetrack CY Segment 5 Segments 6 & 11 Segment 4 Segment 4 Segment 4 Racetrack Segment 5	
Level 2				
Level 3				
<b>Fuel/Hazardous Materials:</b> Spills, no/inadequate secondary containment and labeling,		CPUC	05/28/10	Windhub
		Level 0		
		Level 1	12/10/10 02/03/11 02/09/11 03/07/11	Racetrack CY Segment 7 Mira Loma CY Whirlwind
	Level 2			
	Level 3			
<b>Public/Worker Safety:</b> No monitoring at contaminated sites, traffic control not in compliance with TMP, no guard poles in place at roadways,	CPUC			
	Level 0	12/15/10 12/28/10	Seg 7/8, 66 kV Seg 7/8, 66 kV	
	Level 1			
	Level 2	01/20/11	Segment 7	
	Level 3			

Description	Type <sup>1</sup>	Date	Location
Air Quality: Fugitive dust, non-CA licensed equipment, dust generation from speeding, soil piles	CPUC	05/12/10	Antelope
	Level 0		
	Level 1	10/18-22/10	Segment 5
		02/02/11	Segment 8
		02/09/11	Segment 8
		02/09/11	Whirlwind
		02/10/11	Whirlwind
02/11/11	Whirlwind		
02/19/11	Vincent N. Yard		
03/03/11	Whirlwind		
03/07/11			
Level 2			
Level 3			

1. Incident Type Definitions

CPUC: Incident document by CPUC EM.

Level 0: Unanticipated Discovery; documented by SCE Monitors.

Level 1: Minor; documented by SCE Monitors.

Level 2: Moderate; documented by SCE Monitors.

Level 3: Significant; documented by SCE Monitors.

**TABLE 5**  
**CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA**  
(Updated 03/23/11)

Type	Date	Location	Description
<b>NON-COMPLIANCE REPORTS &amp; PROJECT MEMORANDA, SEGMENTS 1-3</b>			
<i>For CPUC Non-Compliance Reports &amp; Project Memoranda activity on Segments 1-3 prior to 2010, please see Table 4 in Weekly Reports 106-107.</i>			
<b>NON-COMPLIANCE REPORTS &amp; PROJECT MEMORANDA, SEGMENTS 1-11</b> (January 2010 thru the present)			
CPUC Non-Compliance Reports (NCR): None Issued to Date			
CPUC Project Memoranda (PM)			
PM	04/27/10	Segment 3A	Delivery of equipment to Tower 43 within an ESA without monitors present.
PM	06/23/10	Segment 8 West CY	Vegetation clearing without preconstruction biological or clearance surveys within TRTP right-of-way.
PM	02/16/11	Project-wide	No notification provided on 10 separate Level 0 incidences.
PM	02/16/11	Segment 7	Construction crews entered area prior to sweep being field validated by CPUC EM.
NCR	02/24/11	Project-wide	No notification of wildlife entrapment/mortality from bird deterrent netting.

## PROJECT PHOTOGRAPHS



**Figure 1:** Nature's Image restoration crew conducting decompaction work at Tower 104-2, Segment 2.



**Figure 2:** Heavy improvement access road widening towards the Antelope Substation, Segment 4.





**Figure 3:** Segment 10 Telecom trenching along Rosamond Boulevard and 140<sup>th</sup> Street.



**Figure 4:** Unanticipated cultural discovery of historical artifacts, Segment 5.



**Figure 5:** Crews removing conductor across Interstate 605, Segment 7.



**Figure 6:** Crews excavating a foundation, Segment 7.



**Figure 7:** Crews erect Tower M54-T3a in the City of Duarte, Segment 7.



**Figure 8:** Crews assemble Tower M2-T3, Segment 8, Phase 2.