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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:** May 19, 2011  
**Subject:** Weekly Report 171, April 30 to May 7, 2011

**INTRODUCTION**

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

1. Antelope-Pardee 500 kV Transmission Project, Segment 1, including Antelope Substation expansion;
2. Antelope Transmission Project, Segments 2, 3A and 3B, including the Windhub and Highwind Substations; and
3. 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):** Jenny Slaughter, Stephanie Jayne, 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, above grade construction and steel work, minor civil work, cable pulling and testing inside the MEER building, and assembly of the AA banks. Upcoming work next month includes filling the AA banks with oil.
3. No materials were stored in the laydown yard at the Antelope Substation 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.
4. Construction activities at the Windhub Substation included structural steel and capacitor bank work in the 500 kV area and transportation of materials to Whirlwind Substation (see Figure 1). Subsurface work is complete. Oil for the transformers is being delivered.
5. Material for Segment 3B and the future Whirlwind Substation is being stored at the Highwind Yard.
6. Restoration on Segment 1 has been recently completed, and is still being maintained. Quarterly reports for the activity are expected this year.
7. Revegetation for Segments 2 and 3A started in mid-February and was completed in April. Ongoing maintenance activities will be documented in Quarterly reports to the CPUC.



## **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 area, 98% of the civil work is complete. Work during the subject period included laying down road base, and perimeter fence and guard rail installation. Union is working to install the gate at the Foreston Road and Rockyford Road intersection. Inside the substation, the 500 kV wiring is complete. Contra Costa started the Midway to Vincent 1X and 2X line relocation work.
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 M73-T3A, M73-T3B, M74-T1B, 3, and 4. H&M steel crews continued tower assembly and erection work at various locations between Towers 5 and 55 (see Figure 2). Vegetation clearing was conducted at Towers 3, 4, M73-T3A and M73-T3B (see Figure 3).
3. Segment 5: Woodward Brothers (drilling contractor) continued drilling, setting rebar cages, and concrete pouring at Tower 43, 44, 45, and 46. H&M steel crews worked at Tower 32, 34, 50, and 59. Access road grading and tower pad re-contouring occurred at Towers 20, 23, 32, and 34. Steel removal of the existing 220 kV towers was conducted at M21-T5 and M73-T2 associated with the 500 kV Tower 56.
4. Segment 10: Moore Fence Company continued tortoise fence installation along General Petroleum Road and tower disturbance sites heading north from 168<sup>th</sup> Street. Upon completion of the required CDFG Incidental Take Permit (ITP) survey for desert tortoise and Mohave ground squirrel, grading occurred along the access road. Vegetation clearing was also conducted at Towers 90 and 91. The ITP survey was completed for Towers 83, 84, and the associated spur roads.
5. Segment 10 Telecom: No work occurred on this Segment during the reporting period.
6. Whirlwind Substation: Work included backfilling the 220 kV area and around the MEER building, and excavation in the 500 kV area. The 220 kV grid is being trenched. The 220 kV steel dead ends are being erected by PAR crews. Riprap placement around the drainage berm continued on the north side. Work continued on the underground aqueduct bridge along 170<sup>th</sup> Street.
7. On May 4<sup>th</sup>, the CPUC Lead EM and EM attended a field visit with the CPUC Project Manager for a tour of Segments 4, 5, and 10 and the associated Substations.

### **Environmental Compliance:**

1. SCE received approval from CDFG and FWS for nighttime delivery of a transformer to the Whirlwind Substation that is scheduled for May 17<sup>th</sup>.
2. Fugitive dust was observed at the Whirlwind Substation. SCE is discussing the use of soil binders to help with dust control.
3. The CPUC EM's were informed during the weekly construction meeting that a new cultural site was discovered on Segment 10. A Supplemental Survey Report will be submitted to the agencies for review.
4. The CPUC EM and Burns & McDonnell Environmental Coordinator (EC) verified disturbance staking and resource flagging from Towers 75 to 61 on Segment 10. Approval for work to commence was provided to SCE.
5. The CPUC EM and Burns & McDonnell EC verified resource flagging for a clearance sweep that was conducted from Towers 25 to 29 on Segment 5. Approval was provided to SCE based on nest buffer reduction approvals from CDFG.
6. The CPUC EM, Burns & McDonnell EC, and a Burns & McDonnell Construction Inspector conducted a site visit at Towers 31 and 49 on Segment 5. SCE would like to propose permanently moving the new access roads to these two towers due to slope stabilization issues. The relocation will prevent the need for additional disturbance area.
7. The CPUC received a memorandum from SCE on April 11<sup>th</sup> 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. In response to the memorandum, CPUC has requested that SCE document their topsoil salvaging plans by Project segment.
8. Special-status species observed during the subject period by Biological Monitors included loggerhead shrikes, a yellow warbler, and desert kit fox.
9. Seventy-four new nests discovered during the subject period included ravens, lark sparrows, sage sparrows, mourning doves, starlings, house finches, loggerhead shrikes, Le Conte's thrasher, California thrashers, killdeer, verdin, black-throated sparrow, burrowing owls, Swainson's hawks, Western kingbirds, and Northern mockingbirds. SCE received CDFG concurrence on buffer reductions for two nests and removal of one inactive raven nest.

Six Level 1 SCE NCRs and One Level 2 SCE NCRs 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):**

John Boccio, CPUC.

### **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 August 2011. Construction is expected to begin in September/October 2011.
2. Vincent North and South Material Yards: During the subject period, material delivery occurred.
3. Site preparation work has commenced at Material Yard 75 South. Crews performed minor grading.
4. Weed abatement activities continued on Segments 6 and 11.

## **Environmental Compliance**

1. Watering for dust control occurred at the Vincent North and South Material Yards.

No SCE non-compliances were issued during the subject period for TRTP Segment 6 and 11 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 and SCE crews continued work on the overhead portion of the Rio Hondo–Amador-Jose-Mesa and Rio Hondo–Anita No. 2, setting poles and within the Duck Farm, pulling conduit. Additionally, Wilson continued the underground portion of the Rio Hondo–Anita No. 2 line from the Rio Hondo Substation under Interstate 605, trenching and setting vaults. SCE crews working on the Rio Hondo–Amador-Jose-Mesa line began pulling cable from Vault V34199 on Durfee Rd. to the east. SCE crews continued pulling cable within the Duck Farm.
2. Segment 7: Tri-State continued drilling at Tower M27-T4. DCX began drilling at Tower M29-T2 within the Huntington Contractor Yard. Additionally, Wilson crews mowed vegetation at tower and wire setup sites.
3. Segment 8, Phase 1: Wilson, 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 grading and SWPPP BMP installations at several tower pad locations, drilling four foundations and continued assembling three towers for the new double circuit 500 kV Mira Loma–Vincent line (see Figure 4).
4. Segment 8, Phase 2: Wilson crews continued wire stringing on the Chino–Mira Loma No. 1 line from Towers M6-T2 to M7-T1 within Mira Loma Substation (see Figure 5). Crews clipped wires and installed spacers. Additionally, Wilson crews began stringing the static line on structures east of M3-T2.
5. Segment 8, Phase 3: No work occurred during the subject period.
6. Segment 8, Phase 4: Crews continued vegetation clearing along access roads and within tower disturbance areas and grading for tower pad construction within the Puente Hills Landfill Native Habitat Authority land in the City of Hacienda Heights (see Figures 6 and 7). Additionally, crews conducted wire stringing at Interset Tower 29-T1B in Pathfinder Park.

### **Environmental Compliance:**

1. The use of Tonner Canyon Road within Tonner Canyon continues to be restricted for project access due to biological survey requirements in project permits conflicting with property rights and access constraints.
2. SCE and Aspen had a call on May 3<sup>rd</sup> to discuss monitoring requirements for coastal California gnatcatchers on Segment 8, Phase 4 and within Montebello Hills, Segment 7. SCE is working with USFWS to update occupied habitat information and will provide updated information, including maps, to Aspen.
3. SCE sent a request to USFWS on May 5<sup>th</sup> to use Greenwood Avenue in Montebello Hills to continue construction on the east side of the road. Greenwood Avenue is within the buffer for a coastal California gnatcatcher nest. The gnatcatchers are nesting to the west of Greenwood Avenue; however crews are seeking approval to use Greenwood to access the nursery across the street.
4. The CPUC EM asked SCE to provide a Wildland Traffic Control Plan (WTCP) and an Emergency Evacuation Plan for Puente Hills Landfill Native Habitat Authority (PHLNHPA) land within Segment 8, Phase 4, per Mitigation Measures F-1 and F-4. A generic evacuation plan addressing MM F-4

was written and submitted to the PHLNHPA and the CPUC in March 2010. The WTCP has not yet been developed.

5. 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>.
6. The CPUC EMs received six preconstruction surveys and sweeps for construction on both Segments 7 and 8 during the subject period. Many of these surveys were for sites where construction had begun, but activity had lapsed for more than 30 days. The CPUC EM noted no concerns and all sites but one were approved for construction to commence; one sweep area was within a seasonal restriction area for coastal California gnatcatcher.
7. During the subject period, SCE received CDFG approval to remove six partially built nests on Segments 7 and 8.
8. Special-status species observed during the week by Biological Monitors included yellow warbler, burrowing owl, coast horned lizard, and yellow-breasted chat.
9. Bird nesting clearance surveys are being conducted in advance of construction as required by adopted mitigation measures. Seventy-one new nests discovered during the subject period on Segments 7 and 8 included: Cassin's kingbird nests, lesser goldfinch nests, house wren nests, black phoebe nests, bushtit nests, killdeer nests, mourning dove nests, least Bell's vireo nests, black-necked stilt nests, and a northern rough-winged swallow nest. CDFG provided concurrence of buffer reductions for fifty-eight nests.

Two SCE Level 1 Non-Compliance Reports were 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 05/19/11)

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

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
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
#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.
#10 Mod	04/22/11	04/29/11	7/8 66 kV	Underground telecom.

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
#10 Mod	04/22/11	05/03/11	7/8 66 kV	Chino pole removals.
#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
#20 Mod	04/19/11	05/06/11	10 Telecom	Changes to telecom route. ITP/BO acreage confirmation pending.
#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.
#28	04/22/11	5/6/11	6, 11	Construction Yard 58.
#29	05/06/11	05/13/11	6, 11	San Gabriel Yard.
	05/16/11	Under review	4	Modifications to the Midway Vincent #3 T/L (additional information for request is pending)
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
	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

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
		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 05/19/11)

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.
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

Variance Request	Date Requested	Date Issued	Segment #	Description
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
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.

Variance Request	Date Requested	Date Issued	Segment #	Description
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
#45	03/22/11	03/25/11	5	Soil Stockpile areas at three locations
#46	03/25/11	04/04/11	7	Temporary disturbance areas for underground disturbance, 66 kV
#47	04/05/11	04/06/11	8	Wire Setup Sites for Tower M2-T2.
#48	04/6/11	04/08/11	5,8	Start of construction prior to Los Angeles County Public Works grading permit issuance.
#49	04/06/11	04/08/11	8	Extended work hours on Segment 8, Phase 2
#50	04/05/11	04/13/11	8	Turnouts along Sanome Mountain Way.
#51	03/29/11	04/13/11	8	Water bar repair and construction.
#52	04/11/11	04/14/11	7	Additional access to Interset M54-T3A
#53	04/5/11	04/15/11	5, 8	Permission to build slope stabilization Towers prior to L.A. County Public Works Permit
#54	04/14/11	04/18/11	5	Soil stockpile area near Tower 27
#55	04/12/11	04/20/11	4	Relocate two towers and associated access roads and disturbance areas within ROW.
#56	04/13/11	04/20/11	Yards	Installation of temporary power poles to provide power to Vincent North and Vincent South Material Yards.
#57	04/07/11	04/25/11	7	Additional improvements to Van Tassel Motorway.
#58	05/02/11	05/05/11	8	Tower M48-T4 access road.
#59	05/06/11	05/09/11	8	Segment 8 Phase 1, M49-T1 and M59-T2 additional parking, staging and turn-around areas.
#60	04/25/11	05/13/11	7	Wire Setup Site expansions. Inquiry to SCE 04/27.
#61	05/11/11	05/13/11	5	Additional access off Godde Hill Road

Variance Request	Date Requested	Date Issued	Segment #	Description
#62	05/12/11	05/18/11	7	Soil stockpile area near M27-T3
	05/10/11	Under Review	All	Allow continued use of approved TEWS access roads if nesting birds subsequently move in. VR being revised by SCE.

**TABLE 3**  
**TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS**  
(Updated 05/19/11)

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.

TEWS Request	Date Requested	Date Approved	Segment #	Description
#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
#24	03/25/11	03/25/11	8	Additional space within Chino Sub for wire stringing.
#25	3/31/11	3/31/11	5	Additional parking on SCE roads near tower 50.
#26	04/11/11	04/11/11	8	Additional access within Pathfinder Park to Tower M9-T1B.
#27	04/12/11	04/14/11	8	Mid-span access between M3-T5 and M4-T1 to install sleeves.
#28	04/07/11	04/07/11	5	Additional parking/staging area adjacent to Tower 54; original TEWS had expired
#29	04/07/11	04/07/11	5	Use of private dirt road so that Woodward Brothers could remove their drill; cannot cross Amargosa Creek due to flow

**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 05/07/11)**

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 03/15/11 03/15/11 03/16/11 03/29/11 04/02/11 04/25/11 04/25/11 04/27/11 04/28/11 05/05/11 05/06/11	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 Whirlwind Racetrack Segment 4 Segment 5 Segment 5 Segment 5 Whirlwind Vincent N MY Segment 8 Segment 5 Segment 4

Description	Type <sup>1</sup>	Date	Location
	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 02/25/11 03/09/11 03/10/11 03/15/11 03/16/11 04/01/11 04/06/11 05/04/11	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 Segment 4 Segment 4 Segment 4 Segment 8 Segment 4
	Level 3	03/16/11	Segment 4
<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 04/26/11	Seg 8, Phase 1 66 kV
	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 03/15/11 04/02/11 04/07/11	Seg 7, Telecom Segment 8 Segment 8 Segment 7 Segment 8 Segment 8 Segment 5 Whirlwind Segment 4 Segment 8
	Level 2	03/05/11 03/15/11	Segment 8 Segment 5
	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 03/29/11 04/16/11	Vincent Yard 28 Segment 8 Segment 8
	Level 3	04/29/11	Segment 8

Description	Type <sup>1</sup>	Date	Location	
<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 03/18/11 03/23/11 04/01/11 03/29/11 03/29/11 03/31/11 04/01/11 04/06/11 04/11/11 04/18/11 04/27/11(3) 04/30/11 05/03/11 05/06/11 05/07/11	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 Segment 4 Material Yard 28 Segment 8 Vincent N MY Material Yard 28 Material Yard 28 Segment 5 Segment 4 Whirlwind Racetrack CY Vincent N MY Vincent S MY Segment 4 Whirlwind Vincent N MY	
	Level 2	03/08/11	Whirlwind	
	Level 3			
	<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 Whirlwind 03/30/11
		Level 1	09/24/10 02/01/11 03/22/11	Segment 5 Whirlwind Segment 4
		Level 2		
		Level 3		



Description	Type <sup>1</sup>	Date	Location	
<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 03/22/11(2) 03/23/11 03/25/11 04/06/11 04/07/11 04/07/11 04/13/11 04/14/11 04/05/11 04/18/11 04/20/11 04/26/11 05/02/11 05/03/11 05/04/11	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 Segment 8 Segment 8 Segment 4 Segment 8 Segment 8 Segment 7 Segment 8 Segment 8 Segment 8 Racetrack CY Mira Loma CY Segment 5 Segment 7 Segment 8 Segment 8 Segment 8	
	Level 2	04/21/11	Segment 8	
	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
<b>Air Quality:</b> Fugitive dust, non-CA licensed equipment, dust generation from speeding, soil piles	CPUC	05/12/10 05/04/11	Antelope Whirlwind
	Level 0		
	Level 1	10/18-22/10	Segment 5
		02/02/11	Segment 8
		02/09/11	Segment 8
		02/09/11	Segment 8
		02/10/11	Whirlwind
		02/11/11	Whirlwind
		02/19/11	Whirlwind
		03/03/11	Vincent N. Yard
		03/07/11	Whirlwind
		03/14/11	Whirlwind
		03/15/11	Whirlwind
		03/28/11	Segment 8
		03/28/11	Whirlwind
04/13/11	Segment 5		
04/22/11	Segment 4		
04/26/11	MY 75		
05/02/11	Segment 5		
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 05/19/11)

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			
NCR	Issued 02/24/11 Withdrawn 03/24/11	Project-wide	No notification of wildlife entrapment/mortality from bird deterrent netting.
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.

## PROJECT PHOTOGRAPHS



**Figure 1:** Materials being loaded in Windhub Substation that will be transported to Whirlwind Substation, Segments 1-3.



**Figure 2:** H&M steel crew erecting Tower 11, Segment 4.



**Figure 3:** View north of the cleared pull site at Tower M73-T3A outside the Whirlwind Substation, Segment 4.



**Figure 4:** Crews assemble a tower in Tonner Canyon, Segment 8, Phase 1





**Figure 5:** A helicopter pulls a sockline, Segment 8, Phase 2.



**Figure 6:** A Wilson environmental crew member brushcuts a tower site, Segment 8 Phase 4.



**Figure 7:** Crews prepare a tower crane pad, Segment 8, Phase 4.