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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: April 20, 2011
Subject: Weekly Report 166, March 27 to April 2, 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.
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 work and capacitor bank work in the 500 kV area, ground grid work in the 220 kV area, pouring of concrete footings, and reactor wall foundation work. The remaining transformers were delivered. It will be several months before the transformers are filled with oil.
5. Material for Segment 3B and the future Whirlwind Substation is being stored at the Highwind Yard.
6. 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 on Segment 1 has been recently completed.



7. Revegetation for Segments 2 and 3A started in mid-February. Currently, crews are decompacting, weeding, and hydroseeding project disturbance areas.

ENVIRONMENTAL COMPLIANCE:

1. Active house finch and horned lark nests were reported at Windhub and Antelope Substations.
2. 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, 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 (see Figure 1).
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 10, 11, 19, 20, 21, 29, and 46. H&M steel crews continued tower assembly work at various locations between Towers 26 and 53. Access roads to new towers were bladed from Tower 6 to 11 (see Figure 2). BMP's (i.e., fiber rolls) were installed from Tower 5 to 11 and 24. Tortoise fence installation continued at Interset Tower M74-T1B (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 22 and 47. H&M steel crews worked at Towers 4-7 and 10. Wreck-outs of the 220 kV towers and tower footing removal continued (see Figure 3). BMP installation and maintenance and road grading occurred at various locations throughout the segment.
4. Segment 5, Towers 48 to Vincent Substation: Woodward Brothers conducted foundation work at Tower 51. H&M steel crews worked at Towers 53, 58A, 61A, and 64. Wreck-outs of the 220 kV towers continued. BMP installation and maintenance and road grading occurred at various locations.
5. Segment 10 Telecom: No work occurred on this Segment during the reporting period.
6. Segment 10: Access road watering occurred between Towers 76 and 89.
7. Whirlwind Substation: Moore Fence Company completed fence installation for the remainder of the substation. A 100% clearance sweep for desert tortoise and Mojave ground squirrel (MGS) was completed prior to the inside portion of the fence being removed. Cattracts continued grading operations in the 220 kV area. Water pumping from the MEER excavation into Baker tanks was completed (this

activity is associated with the March 21st incident). Materials are being stored in the rocked laydown area in the southwest corner of the substation.

Environmental Compliance:

1. A site visit to the Antelope Valley portion of TRTP was conducted on March 30th with CDFG, the CPUC Lead EM, and SCE Biological Leads. Several items were discussed and agreed upon in regard to the 2081 permit conditions. Above-ground (i.e. no dig) tortoise fencing will be implemented along access roads that call for medium, heavy, overland, and new road improvements. No berm definition will be implemented by CDFG. SCE will provide guidance to the construction team to ensure that desert tortoise movement is not inhibited. Helicopters will not be used in association with Swainson's hawk surveys.
2. The CPUC was informed by SCE that Interset Tower M73-T3A on Segment 4 needs to be shifted 300 feet to the west. The tortoise fence that was previously installed at this location has now been removed and the trench backfilled. SCE submitted a Variance Request to the CPUC for this new tower location and included CDFG and USFWS on the change request, since the area is covered under both agencies' permits. CPUC approved the request on April 20.
3. On March 29th, SCE reported a house finch being trapped within the bird deterrent netting in Material Yard 28. The bird was safely released and the gap identified in the netting was repaired.
4. On March 30th, SCE reported a Level 0 incident that occurred at Whirlwind Substation. A small mammal bone was found in the spoil pile from drilling activity at a depth of 11 feet in the 220 kV area.
5. On March 31st, the CPUC EM observed an SCE bird nest monitor remove a partially built (less than 25%) house finch nest from within bird deterrent netting that was placed around an AC unit in Material Yard 28 (see Figure 4).
6. 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 submitted a Variance Request to document these changes.
7. 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.
8. Special-status species observed during the week by Biological Monitors included loggerhead shrike, northern harrier, Swainson's hawk, ferruginous hawk, burrowing owl, golden eagle, and desert kit fox.
9. Twenty new nests discovered this week included ravens, house finches, shrikes, bushtits, a roadrunner and a Northern mockingbird. SCE received CDFG concurrence on buffer reductions for four nests.

Eight 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 NCRs 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):

Erinn Wilson and Craig Bailey (CDFG).

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. On March 29th, SCE reported bird deterrent netting failure in the Vincent North Material Yard. A California Towhee was entangled and then safely released. Gaps were observed in the netting.

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. Thirty-two of fifty-four foundations are now complete. Wilson and SCE crews continued work on the overhead portion of the Rio Hondo–Amador-Jose-Mesa and Walnut-Hilgen-Industry-Mesa-Reno lines and within the Duck Farm, pulling conduit (see Figures 5 and 6).
2. Segment 7: Tri-State continued drilling a foundation within the Duck Farm in the City of South El Monte. DCX crews continued grading at Van Tassel Mountainway.
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 two foundations and repaired a third for the new double circuit 500 kV Mira Loma–Vincent (see Figure 7).
4. Segment 8, Phase 2: Wilson crews began wire stringing on the Chino–Mira Loma No. 1 line from towers M0-T1 to M0-T6 (see Figure 8). Additionally, Wilson crews continued assembly work at two towers. Tri-State and DCX crews drilled foundations at two tower locations. Additionally, Tri-State began repair on three footers that had been drilled outside of specifications.
5. Segment 8, Phase 4: DCX crews began foundation drilling at Tower M29-T1B within Pathfinder Park in the City of Rowland Heights and began grading access road at M52-T2.

Environmental Compliance:

1. The CPUC received notification on March 25th that an injured burrowing owl had been found underneath a piece of parked construction equipment within Segment 8, Phase 2. The owl was brought to a rehabilitation facility by SCE biologists, and had to be euthanized. CDFG was immediately notified. It is unclear how the owl was injured.
2. On April 1st, three house finches were found trapped within bird deterrent netting covering a crane parked in Tonner Canyon (Segment 8, Phase 1). An 8-inch hole was found at the top of the netting. The SCE construction monitor cut a hole in the netting and released the bird unharmed. The netting was re-installed the same day. The contractor was issued an SCE Level 1 non-compliance for the incident.

3. 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 1st.
4. The CPUC EMs received ten preconstruction surveys and sweeps for construction on both Segments 7 and 8 during the subject period. Many of these surveys were for wire setup sites within Segment 8, Phase 2. Additionally, Segments 7 and 8 were divided into 36 groups in order to assist with the contractor's management of construction activities to keep surveys active.
5. Special-status species observed during the week by Biological Monitors included northern goshawk, burrowing owl, northern harrier, coastal California gnatcatcher, and loggerhead shrike.
6. Bird nesting clearance surveys are being conducted in advance of construction as required by adopted mitigation measures. Forty-six new nests discovered during the subject week on Segments 7 and 8 included: lesser goldfinch nests, house sparrow nests, bushtit nests, killdeer nests, mourning dove nests, American crow nests, and a northern rough-winged swallow nest. CDFG provided concurrence of buffer reductions for eighteen nests.

Three SCE Level 1 and one Level 2 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 04/20/11)

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.

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
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.
#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

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
#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 PERMITTING – 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
		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 04/20/11)

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.

Variance Request	Date Requested	Date Issued	Segment #	Description
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
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

Variance Request	Date Requested	Date Issued	Segment #	Description
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.
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

Variance Request	Date Requested	Date Issued	Segment #	Description
#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	Under Review	Yards	Installation of temporary power poles to provide power to Vincent North and Vincent South Material Yards.

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 04/20/11)

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

TEWS Request	Date Requested	Date Approved	Segment #	Description
#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
#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.

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 04/20/11)

Description	Type ¹	Date	Location
OTHER COMPLIANCE INCIDENTS, SEGMENTS 1-3			
<i>For Other Compliance Incident activity on Segments 1-3 prior to 2010, please see Table 4 in Weekly Reports 106-107.</i>			
OTHER COMPLIANCE INCIDENTS, SEGMENTS 1-11 (January 2010 thru the present)			
Approved work areas & pre-construction surveys/sweeps: 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		

Description	Type ¹	Date	Location	
	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	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	
	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 03/15/11 03/16/11 04/01/11	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	
	Level 3	03/16/11	Segment 4	
	Biological Resource ESA (non-nesting) & Disturbance Areas: 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 03/15/11 04/02/11	Seg 7, Telecom Segment 8 Segment 8 Segment 7 Segment 8 Segment 8 Segment 5 Whirlwind Segment 4
		Level 2	03/05/11 03/15/11	Segment 8 Segment 5
		Level 3		
		Nesting: Buffer encroachment, unauthorized nest removal, inadequate notifications,	CPUC	06/02/10 06/04/10 01/26/11
	Level 0			

Description	Type ¹	Date	Location
	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	Vincent Yard 28 Segment 8
	Level 3		
Biological Resource Endangerment: 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	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
	Level 2	03/08/11	Whirlwind
	Level 3		
	Cultural/Paleontological Resources: Site damage, no monitor present, inadequate notification, unauthorized artifact relocation,	CPUC	05/10/10
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 ¹	Date	Location
Hydrological Resources: Inadequate BMPs, jurisdictional drainage encroachment, track-out	CPUC		
	Level 0		
	Level 1	09/09/10	Mesa Yard
		01/31/11	Segment 8
		02/01/11	Segment 8
		02/07/11	Mira Loma CY
		02/10/11	Vincent
		02/10/11	66 kV
		02/11/11	Racetrack CY
		02/17/11	Segment 5
02/23/11		Segments 6 & 11	
03/01/11	Segment 4		
03/01/11	Segment 4		
03/01/11	Segment 4		
03/08/11	Racetrack		
03/09/11	Segment 5		
03/22/11(2)	Segment 8		
03/23/11	Segment 8		
03/25/11	Segment 4		
Level 2			
Level 3			
Fuel/Hazardous Materials: Spills, no/inadequate secondary containment and labeling,	CPUC	05/28/10	Windhub
	Level 0		
	Level 1	12/10/10	Racetrack CY
		02/03/11	Segment 7
		02/09/11	Mira Loma CY
03/07/11	Whirlwind		
Level 2			
Level 3			
Public/Worker Safety: 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	Seg 7/8, 66 kV
		12/28/10	Seg 7/8, 66 kV
	Level 1		
	Level 2	01/20/11	Segment 7
Level 3			
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	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		
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 04/20/11)

Type	Date	Location	Description
NON-COMPLIANCE REPORTS & PROJECT MEMORANDA, SEGMENTS 1-3			
<i>For CPUC Non-Compliance Reports & Project Memoranda activity on Segments 1-3 prior to 2010, please see Table 4 in Weekly Reports 106-107.</i>			
NON-COMPLIANCE REPORTS & PROJECT MEMORANDA, SEGMENTS 1-11 (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: Perimeter fence installation at the Vincent Substation Expansion, Segment 9.



Figure 2: Newly graded access road that leads to Tower 10, Segment 4.



Figure 3: H&M steel crew wrecking out existing 220 kV Tower M22-T3, Segment 5.



Figure 4: Partially built house finch nest in bird deterrent netting that was placed around an AC unit, Material Yard 28.



Figure 5: Crews work reframe conductor within the Rio Hondo substation, Segment 7 66 kV in the City of Irwindale.



Figure 6: SCE crews pull conduit within the Duck Farm, Segment 7 66 kV, City of South El Monte.



Figure 7: Tri-State crews repair a foundation within Tonner Canyon, Segment 8, Phase 1.



Figure 8: A helicopter pulls a sockline during wire stringing on Segment 8, Phase 2.