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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 25, 2011
Subject: Weekly Reports 167 and 168, April 3 to April 16, 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, 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 work and capacitor bank work in the 500 kV area, installation of block walls between the reactors, breaker installation on pads, and transportation of materials to Whirlwind Substation. 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. 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. On April 14th, two active nests were transported in stored conduit from the Antelope Substation to the Whirlwind Substation. One nest contained 5 eggs and the second nest contained 3 chicks, approximately 1-week old. The eggs and chicks were taken to the Camarillo Wildlife Center for long-term care. Agencies notified included CDFG, USFWS, and CPUC.
2. On April 14th, SCE received CDFG concurrence to have the SCE Biological Monitors determine appropriate buffers for non-listed, passerine nests found within and adjacent to Windhub and Antelope Substations.
3. On April 13th, SCE received CDFG approval to reduce an active house finch nest buffer to 25' in Windhub Substation.
4. On April 12th, SCE received CDFG concurrence to remove a partially built house finch nest in the Windhub Substation.
5. On April 5th, SCE received CDFG concurrence to reduce the buffer for an active house finch nest in the Windhub Substation.
6. On April 4th and 6th, SCE received CDFG concurrence to remove three partially built house finch nests from construction material staged in the Antelope Substation.
7. On April 1st, an SCE Biological Monitor safely released two house finches that were trapped within a netted tractor outside the Antelope Substation. No gaps were identified in the netting.
8. 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 drainage pipeline installation, application of gunnite to slopes, laying down road base, and perimeter fence and guard rail installation. Inside the substation, SCE verified circuit breaker cables. Upcoming work will include 1X and 2X line relocation.
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 8, 9, 10, and 11. The foundation spoil piles are being covered with plastic. H&M steel crews continued tower assembly work at various locations between Towers 27 and 52. H&H Grading bladed new access roads to Towers 10 through 15 and graded a crane pad site at Tower 28. BMP's (i.e. fiber rolls) were installed between Towers 10 and 45. Tortoise fence installation was completed at Tower M73-T4 (just outside of the Whirlwind

Substation) and Tower 18. Installation of the above-ground (i.e. no-dig) tortoise fence began along the Avenue C access road between 150th and 140th Streets (see Figure 1).

3. Segment 5: Woodward Brothers (drilling contractor) continued drilling, setting rebar cages, and concrete pouring at Towers 16, 18, 20, 22, 50, and 51 (see Figure 2). H&M steel crews worked at Towers 4, 6, 10, 14, 15, 54, 58A, and 61A (see Figure 3). Wire stringing occurred from Tower M88-T1D and Tower 2 to Rack 6 inside the Antelope Substation (see Figure 4). Wreck-outs of the 220 kV towers and steel removal continued. Tower footing removal occurred at Towers 18, 38, 39, and 57. A road grader conducted heavy improvements on the access roads between Towers 13 and 15. BMP installation occurred at various locations throughout the segment.
4. Segment 10: Tortoise fence installation commenced at Towers 87 and 88.
5. Segment 10 Telecom: No work occurred on this Segment during the reporting period.
6. Whirlwind Substation: Cattracts (grading contractor) continued grading down the 220 kV area and filling the 500 kV area. The 220 kV grid is being trenched. Dead end, circuit breaker, and disconnect foundations were drilled and some have been poured with concrete. Work continued on the drainage berm around the substation. Forms for the MEER building were installed and poured with concrete (see Figure 5). Rodbusters (contractor for the inside of the MEER building only) installed rebar around the forms. The inside portion of the tortoise and chain link fence has been removed.

Environmental Compliance:

1. SCE received CDFG approval on April 5th to remove a partially active nest from Tower M74-T1 on Segment 4.
2. The CPUC EM and Burns & McDonnell EC verified disturbance staking for the guard pole site near Tower 5, Segment 4 on the west side of 170th Street. This site requires tortoise fence installation.
3. SCE reported two house finches being trapped within the bird netting in Material Yard 28 on March 30th. The birds were safely released and the gaps in the netting were repaired.
4. SCE reported a gopher snake being entangled in the bird netting within Material Yard 28 on March 30th. The snake was released unharmed (see Figure 6).
5. There was a 1-gallon diesel spill on April 4th that occurred on the access road near Tower 57 on Segment 5. The contaminated soil was taken to the Racetrack Yard for proper disposal.
6. The CPUC EM's were informed during the weekly construction meeting that a new cultural site was discovered at Tower 43 on Segment 10.
7. The CPUC EM verified disturbance staking and ESA cultural flagging at the three soil stockpile sites on Segment 5 (Towers 39, 57, and 61). A 100-foot buffer for the cultural site at Tower 61 had not been established as stated in the conditions of Variance #45. Upon immediate notification to SCE, the buffer was established and re-verified the following day.
8. The CPUC EM and Burns & McDonnell Environmental Coordinator verified disturbance staking at Tower 54 on Segment 5 after the crew re-adjusted the stakes out to the 200'x200' limit.
9. A gasoline spill was noticed by the ETIC inspector (SWPPP inspector for H&M) at Tower 61 on Segment 5. The cause and amount is unknown. The contaminated soil was taken to the Racetrack Yard for proper disposal.
10. SCE received CDFG approval to remove a partially built raven nest from the newly constructed TRTP Tower 43 on Segment 4.
11. A 0.5 to 1 gallon diesel spill was discovered by the SCE biological monitor during the morning sweep at Tower 20 on Segment 5. The source of the spill is unknown. The contaminated soil was removed and taken to the Racetrack Yard for proper disposal.

12. SCE received CDFG projectwide concurrence to have an SCE bird biologist reduce bird buffers for all birds, except sensitive species on weekends and holidays without CDFG concurrence. A summary of nest buffers reduced will be provided to CDFG and CPUC following the weekend or holiday.
13. 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.
14. The CPUC received a memorandum from SCE on April 11th 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. The memorandum is under review by CPUC.
15. Special-status species observed during the subject period by Biological Monitors included loggerhead shrike, northern harrier, Swainson's hawk, ferruginous hawk, LeConte's thrasher, golden eagle, and burrowing owl.
16. Sixty-six new nests discovered during the subject period included ravens, sage sparrows, lark sparrows, California Towhee's, starlings, house finches, shrikes, bushtits, a black-throated gray warbler, Western scrub jays, a Say's phoebe, a California thrasher, a black-tailed gnatcatcher, and red-tail hawks. SCE received CDFG concurrence on buffer reductions for eight nests.

Two Level 1 SCE NCRs and no 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):

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, watering for dust control occurred in both yards and work was conducted on the office trailers.
3. No site preparation work has commenced at Material Yard 75 South.
4. Weed abatement activities have begun on Segments 6 and 11.

Environmental Compliance

1. On April 4th, SCE reported bird deterrent netting failure in the Vincent North Material Yard. A house sparrow was trapped in the netting that was covering the wheel of a water tanker and then safely released.
2. On April 9th, a European starling was trapped in the bird netting in the Vincent North Material Yard. The bird was released unharmed.

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-three of fifty-four foundations are now complete. Wilson and SCE crews continued work on the overhead portion of the Rio Hondo–Amador-Jose-Mesa, Rio Hondo–Anita No. 2 and Walnut-Hilgen-Industry-Mesa-Reno lines, setting poles and within the Duck Farm, pulling conduit (see Figure 7). Crews working within Rio Hondo Substation began working at night to accommodate outages.
2. Segment 7: DCX crews continued grading at Van Tassel Mountainway and began pad construction at Tower M27-T4 in the City of Duarte.
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 drilling three foundations and began assembling and erecting three towers for the new double circuit 500 kV Mira Loma–Vincent line (see Figure 8).
4. Segment 8, Phase 2: Wilson crews continued wire stringing on the Chino–Mira Loma No. 1 line from Towers M0-T1 to M0-T6 and from M0-T6 to M2-T2 (see Figure 9). Additionally, Wilson crews continued assembly work at two towers. Tri-State and DCX crews drilled foundations at two tower locations. Wilson began working extended hours in order to complete stringing the line approximately 6 weeks early.
5. Segment 8, Phase 4: DCX crews finished foundation drilling at Tower M29-T1B within Pathfinder Park in the City of Rowland Heights and Wilson crews began tower assembly. Additionally, Wilson crews began using Fullerton Road Yard.

Environmental Compliance:

1. The CPUC EM discovered a California towhee trapped underneath bird deterrent netting at Tower M59-T2 in Tonner Canyon on April 4th. The netting was covering a drill rig and had been installed the previous day. The CPUC EM and the Burns and McDonnell Environmental Coordinator were able to free the bird unharmed. The SCE Biological Monitor was notified of the incident.
2. There was a 3.5 gallon hydraulic fluid spill on April 5th at Tower M0-T4, Segment 8 Phase 2. The spill was cleaned immediately and the SCE EIH was notified.
3. During the concrete pour for one of the footers at Tower M29-T1b on April 7th, the hose feeding the concrete to the foundation disconnected from the concrete truck and fell to the bottom of the rebar cage. The rebar cage and poured cement were removed. The cement was stored on plastic tarps and covered overnight before being disposed of the following day.
4. The CPUC EM issued a verbal warning on April 7th to SCE crews working on the Walnut-Hilgen-Industry-Mesa-Reno lines at Pellisier Place in the City of El Monte. Crews were working outside of the right-of-way placing grounds on non-TRTP towers and staging a crane for setting a pole. No resources were impacted. An SCE Level 2 non-compliance was issued for the incident.
5. SCE received concurrence from CDFG to remove two partially completed Cassin’s kingbird nests from towers on Segment 8, Phase 2. One nest was within a traveler and the other was in the lower tower arm. Wilson linemen climbed the towers and removed the nests (see Figure 10).
6. Wilson began restoration for SWPPP compliance within the Tonner Canyon shoo-fly area. Topsoil stored on-site was exposed with an excavator and then prepared for hydroseeding (see Figure 11).
7. SCE requested a reduced ground disturbance-free buffer to 50 feet and a reduced horizontal and vertical helicopter buffer to 100 feet for an active Red-tailed hawk nest on Segment 8, Phase 2, on

April 3rd in order to continue wire stringing from Towers M2-T2 to M3-T3. The hawk nest is located on an adjacent, non-TRTP tower and adults were observed incubating the nest at the time of the request. SCE deliberated with raptor experts and proposed a strategy to minimize the request of nest failure, including issuing two-hour holds to crews so that the adults could incubate the nest undisturbed. CDFG told SCE to proceed at their own risk. Crews attempted to begin stringing at the TRTP tower on April 8th. During an initial climbing inspection that morning, the adult flushed from the nest and did not return for several hours (see Figure 12). SCE is currently evaluating how to continue work at the tower.

8. A dusky-footed woodrat was discovered within a brush pile being chipped at Tower M59-T2 in Tonner Canyon. A 10-foot buffer was established around the nest for one day and the nest was relocated the following day.
9. 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.
10. The CPUC EMs received twenty-two 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 concerns with disturbance area staking, establishment of ESA buffers and timeliness of the completion of surveys, but all sites were approved for construction to commence.
11. Additional seasonal restrictions on construction activity are now in place at the tower locations south of Mesa Substation because of observances of coastal California gnatcatcher. A pair of gnatcatcher nested within a California pepper tree within the project component in 2010. Construction activity can resume in the area at the end of bird nesting season.
12. Special-status species observed during the week by Biological Monitors included northern goshawk, burrowing owl, northern harrier, Swainson's hawk, San Diego desert woodrat, and loggerhead shrike.
13. Bird nesting clearance surveys are being conducted in advance of construction as required by adopted mitigation measures. One hundred fifteen new nests discovered during the subject period on Segments 7 and 8 included: Cassin's kingbird nests, lesser goldfinch nests, house sparrow nests, bushtit nests, killdeer nests, mourning dove nests, American crow nests, and a Great Horned owl nest. CDFG provided concurrence of buffer reductions for sixty-two nests.

Five SCE Level 1 and two 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):

John Boccio (CPUC).

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 04/25/11)

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.
	04/22/11	Under Review	Yard 58	Construction Yard 58.
ANF PERMTING – 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 04/25/11)

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
#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

Variance Request	Date Requested	Date Issued	Segment #	Description
#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.
	04/19/11	Under Review	10 Telecom	Changes to telecom route.
	04/22/11	Under Review	7/8 66 kV	Underground telecom.
	04/22/11	Under Review	7/8 66 kV	Chino pole removals.

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 04/25/11)

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.

TEWS Request	Date Requested	Date Approved	Segment #	Description
#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
#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 04/16/11)

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	Rancho Vista CY
		06/03/10	Antelope
		10/19/10	Seg 7/8, 66 kV
		11/15/10	Segment 8
		01/26/11	Segment 8
	Level 0		
	Level 1	09/21/10	Mesa Yard
	10/01/10	Racetrack CY	
	10/09/10	Segment 4 (2)	
	12/06/10	Segment 8	
	01/07/11	Segment 5	
	01/12/11	Segment 4	
	02/11/11	66 kV	
	02/12/11	Segment 8	
	02/12/11	Segment 8	
	02/14/11	Segment 8(2)	
	03/07/11	Whirlwind	
	03/11/11	Segment 8	
	03/15/11	Whirlwind	
	03/15/11	Racetrack	
	03/16/11	Segment 4	
03/29/11	Segment 5		
04/02/11	Segment 5		
Level 2	06/13/10	Seg 7, Telecom	
01/12/11	Segment 4		
02/16/11	Segment 7		
02/17/11	Segment 7		
02/18/11	Segment 7		
02/18/11	Segment 7 66 kV		
02/19/11	Segment 7		
02/21/11	Segment 4		
02/21/11	Segment 4		
02/25/11	Segment 4		
02/25/11	Segment 4		
02/25/11	Segment 4		
03/09/11	Segment 5		
03/10/11	Segment 5		
03/15/11	Segment 4		
03/16/11	Segment 4		
04/01/11	Segment 4		
04/06/11	Segment 8		

Description	Type ¹	Date	Location
	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	Seg 7, Telecom
		12/06/10	Segment 8
		02/07/11	Segment 8
		02/14/11	Segment 7
02/16/11		Segment 8	
02/23/11		Segment 8	
03/09/11		Segment 5	
03/15/11	Whirlwind		
04/02/11	Segment 4		
04/07/11	Segment 8		
Level 2	03/05/11	Segment 8	
	03/15/11	Segment 5	
Level 3			
Nesting: Buffer encroachment, unauthorized nest removal, inadequate notifications,	CPUC	06/02/10	Antelope
		06/04/10	Antelope
		01/26/11	Vincent
	Level 0		
	Level 1	03/24/10	Vincent
		05/12/10	Vincent
05/13/10		Vincent	
06/24/20		Yard 28	
07/06/10		Yard 28	
01/28/11		Segment 5	
02/23/11	10 Telecom		
Level 2	06/17/10	Vincent	
	06/22/10	Yard 28	
	03/29/11	Segment 8	
	04/16/11	Segment 8	
Level 3			
Biological Resource Endangerment: Foundation holes not covered @ the end of the day, micro-trash, improper bird netting	CPUC		
	Level 0		

Description	Type ¹	Date	Location
installation/gaps in netting, road improvement in tortoise habitat,	Level 1	10/11/10	Vincent
		10/12/10	Vincent
		10/13/10	Racetrack CY
		11/05/10	Racetrack CY
		01/09/11	Segment 8
		01/12/11	Segment 5
		02/02/11	Segment 8
		02/08/11	Segment 8
		02/09/11	Whirlwind
		02/12/11	Whirlwind
		02/16/11	Rancho Vista MY
		02/14/11	Whirlwind
		02/15/11	Whirlwind
		02/15/11	Segment 5
		03/08/11	Rodeo
		03/10/11	Rodeo
		03/18/11	Segment 4
		03/23/11	Material Yard 28
		04/01/11	Segment 8
		03/29/11	Vincent N MY
		03/29/11	Material Yard 28
03/31/11	Material Yard 28		
04/01/11	Segment 5		
04/06/11	Segment 4		
04/11/11	Whirlwind		
	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	Segment 2
	Level 0	12/01/10	Segment 8
		12/02/10	Segment 8
		12/03/10	Vincent
		12/07/10	Segment 8
		12/10/10	Seg 7/8, 66 kV
		02/02/10	Segment 8 Whirlwind 03/30/11
	Level 1	09/24/10	Segment 5
02/01/11		Whirlwind	
03/22/11		Segment 4	
	Level 2		
	Level 3		
Hydrological Resources: Inadequate BMPs, jurisdictional drainage encroachment, track-out	CPUC		
	Level 0		

Description	Type ¹	Date	Location	
	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	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 Racetrack CY	
	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 02/03/11 02/09/11 03/07/11	Racetrack CY Segment 7 Mira Loma CY 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 12/28/10	Seg 7/8, 66 kV 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		

Description	Type ¹	Date	Location
	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
	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 04/25/11)

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: Tortoise fence installation (no-dig option) along Avenue C, Segment 4.



Figure 2: Woodward Brothers (drilling contractor) setting up Tower 16, Segment 5.



Figure 3: H&M steel crew assembling Tower 14, Segment 5.



Figure 4: H&M wire crew tensioning wire from Tower 2 into the Antelope Substation, Segment 5.



Figure 5: View of the MEER building inside the Whirlwind Substation, Segment 9.



Figure 6: Trapped gopher snake being released from bird netting in Material Yard 28.



Figure 7: Crews install a pole at Pellisier Place, Segment 8 66 kV in the City of El Monte.



Figure 8: Crews assemble a tower, Segment 8, Phase 1.



Figure 9: Crews install spacers along the Chino–Mira Loma No. 1 line, Segment 8, Phase 2.



Figure 10: Wilson linemen remove a partially built Cassin's kingbird nest Segment 8, Phase 2.



Figure 11: Wilson crews begin restoration at the Tonner Canyon shoo-fly, Segment 8, Phase 1.



Figure 12: An adult red-tailed hawk perches on the static line at Tower M2-T3. Wire stringing was halted to allow the hawk to incubate the eggs.