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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:** October 5, 2012  
**Subject:** Weekly Reports 238 thru 240 (combined): Aug 13 to Sept 2, 2012

## 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, respectively.

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

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

### Summary of Activity:

1. Construction of Segments 1, 2, and 3A, and the Antelope Substation expansion have been completed. SCE is currently constructing Segment 3B and the Highwind Substation. Completion activities are also underway at the Windhub Substation.
2. SCE office trailers are set-up at the Highwind Material Yard near Tehachapi for Segment 3B. The yard contains material and equipment for this segment.
3. BMP installation occurred at Segment 3B Constructs (towers) 15 to 18. BMP maintenance occurred between Constructs 4 to 43.
4. Grubbing and grading took place on Segment 3B at the access road to Construct 13.
5. Access road recontouring took place on Segment 3B at Construct 33 to 62 and associated wire pull sites. Tower pad recontouring took place at Constructs 33, 34, and 35. Wire Stringing Site recontouring occurred between Constructs 35/36 and 55/56.
6. Road and site trenching for AC Mitigation sites occurred at PGE-A Ground Road (GR) 01, GR06, GR08, and GR09.
7. Foundation crews drilled foundations at Construct 17. Tower assembly occurred at Constructs 15, 17, 34, and 72. Tower erection occurred at Constructs 4 and 15.
8. Wire stringing occurred at Constructs 36, 37, 45, 48, 53, 57 and between 72 to the Windhub Substation. Wire stringing was conducted by helicopter.



9. Segment 3B percent completions thru the subject reporting period include: grading 97.3%, foundations 95.9%, tower erection 95.9%, and wire stringing 30% for a total project completion of 79.8%.
10. Highwind Substation: During the subject period, foundation pouring, material staging, and tower erection occurred.
11. Construction activities at the Antelope Substation are complete.
12. The spoil pile in front of the Antelope construction trailers is covered with gravel and jute netting for potential future use. The SCE office trailer is the only remaining trailer. Existing office trailers in Material Yard 28 will be utilized for the remainder of work on Segments 4, 5, and 10.
13. Construction activities at the Windhub Substation included 500 kV switchrack and steel which are 98% complete, spare transformer and MEER building are 99% complete, and lighting, security, miscellaneous clean-up and testing are 99% complete.
14. Restoration on Segment 1 has been recently completed and is still being maintained. The Segment 1 Annual Report for Year 1 was submitted on December 2. Quarterly Reports for Year 2 were submitted on January 31 and February 1.
15. Revegetation for Segments 2 and 3A was completed in April 2011. Ongoing maintenance activities will be documented in Quarterly Reports to the CPUC.

**Environmental Compliance:**

1. The proposed SWPPP seed mix was submitted to SCE Environmental for approval. There are three mixes and CPUC was provided with the seed mixes and areas of application along Segment 3B on October 5.
2. SCE received their Streambed Alteration Agreement (SAA) permit from CDFG and the RWQCB permit in August.
3. No special status species were observed during the subject period.
4. SCE has developed a solution for the channel incision that occurred immediately downstream of the riprapped stream channel at the Windhub Substation site. Work is scheduled to start fall 2012.

No 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. Construction of the remaining work in Segment 5 is on hold until October 1<sup>st</sup>, 2012. Segment 4 is complete and is energized. Additional work in Segment 10 is being conducted by SCE crews south of the Windhub substation.

2. BMP Inspection and maintenance continued in Segments 4, 5, and 10. Application of soil binders (Soiltac) in tower work areas and stringing sites began in Segment 10 during the subject weeks.
3. Construction activities at the Vincent Substation are complete. Testing is ongoing. There is no scheduled start date for the new control building.
4. Segment 4: Foundation work is 100% complete. Lattice tower erection is 94% complete and tubular steel pole (TSP) erection is 100% complete. A total of 15.64 circuit miles of wire has been installed. This segment was energized on February 7. BMP maintenance is ongoing.
5. Segment 5: Foundation work is 100% complete. Lattice tower erection is 100% complete and TSP erection is 100% complete. A total of 5.68 circuit miles of wire has been installed. BMP maintenance is ongoing. The Sagebrush Addendum work is scheduled to begin in October.
6. Segment 10: Foundation work is 100% complete. Lattice tower erection is 100% complete with a total of 90 towers. Wire stringing is complete with a total of 16.13 circuit miles of wire. This segment was energized on June 22. BMP maintenance is ongoing. Conductor removal and stringing needs to occur behind the Windhub Substation. Desert tortoise fencing installation at Structure M0-T2 can be completed because the two bird nests are now inactive.
7. Midway Vincent Upgrade Towers: Foundation work is 100% complete. Lattice tower erection is 67% complete.
8. Segment 10 Telecom: Work has been completed.
9. Whirlwind Substation: Remaining work includes the Midway Line cut-in and turnover for test and project completion which is 60% complete.

**Environmental Compliance:**

1. 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. In addition, in response to a May 26<sup>th</sup> site visit on Segments 7 & 8 regarding top soil salvaging, the HMMP for Segments 4, 5 & 10 will be revised to reflect the top soil salvaging protocols discussed during the site visit. The revised Segments 7 & 8 HMMP was submitted on November 23<sup>rd</sup> and comments were provided on March 13<sup>th</sup>. The revised Segments 4, 5, & 10 HMMP was submitted on December 30, 2011. Comments were provided to SCE on April 9<sup>th</sup> and responses were submitted on June 5<sup>th</sup>. A series of calls are being held between SCE and the CPUC to review HMMP comments and responses.
2. No Special-status species were observed during the subject period by Biological Monitors in Segments 4, 5, and 10.

No CPUC Project Memorandum was issued for Segments 4, 5, and 10 during this reporting period. Non-Compliance activities for the project to date are summarized in Table 4.

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

None

**SEGMENTS 6 AND 11 – ANGELES NATIONAL FOREST & LOS ANGELES COUNTY**

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 ANF Special Use Permit for Segment 6 was issued on September 21, 2011.

## Summary of Activity

### *Segment 6A (Constructs 1-35), Segment 6B (Constructs 36-71) and Segment 6C (Constructs 72 – 113)*

1. Grubbing activities took place at the following locations:
  - On the access roads to Barley Flats Helicopter Assembly Yard (HAY) and associated access road Loop Road L between Constructs 83 to 89 and 112 to Encanto Parkway.
  - Constructs 1 (see Figure 1), 4, 5, 6, 7, 8, 9, 10, 28, 31, 32, 33, 36 to 53, 57, 65, 66, 82, 98, 104 to 109, 113 to Encanto Parkway, M27-T4A, M29-T1 to M29-T3, and M50-T4.
  - Helicopter Support Yards (HSY) 1/2, Rabbit Peak Helicopter Assembly Yard (HAY), and Shortcut HAY.
  - Wire Setup Site between Constructs 4 and 5, 5 and 6, 97 and 98, and 100.
  - Miscellaneous civil improvement such as walls, McCarthy drains, and road or structure improvements (Civil IDs) 197, 198, and 200.
2. Drainage improvements took place at the following locations:
  - Loop Road F, Loop Road H, Loop Road L between Constructs 103 to 104 and 112 to 113.
  - Constructs 33 to 49, 99 to 100X, 103.
  - Jurisdictional drainages (JD IDs) 6-78-S-4R, 6-78-S-5, and 6-79-S-2.
  - HSY 1/2 and Shortcut HAY.
  - Civil IDs 87 to 88.
3. Grading took place at the following locations:
  - Van Tassel Mountainway, Loop Road F, and Loop Road L between Constructs 82, 83, 99 to 113.
  - Constructs 1, 4, 5, 6, 8, 9, 10, 11, 12, 19, 20, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33 to 49, 76, 82, 99, and 100X to 104.
  - JD IDs 6-65-S-13, 6-78a-S-2 and 6-78a-S-3.
  - HSY ½ and Wire Site Setup (WSS) 5/6
  - Civil IDs 87, 88, 197, 198, and 200.
4. Recontouring took place at the following locations:
  - Loop Road L.
  - Civil ID 197, 198, 200.
  - Constructs 1, 5 (and WSS), 6, 9, 10, 24, 25, 26, 27, 33, 72 to 85, 103 and 104.
5. Wire removal activities took place at Construct 2 to 22, 34 to 49, and 72 to 88. Structure (wreck-out) removal activities occurred at Construct 5, 7, 11, 12, 14, 15, 16, 21, 23, 24, 28, 30, 32, 34, 44 to 49, 72, 82, 83, 85, 104, M22-T1, and M79-T2 (see Figure 2).
6. Foundation excavation occurred at Construct 20, 22, 24, 25, 26, 28, 31, 33, 43, 53, and 60. Foundation pouring activities occurred at Construct 19, 20, 23, 24, 25, 76, and M27-T4A (see Figures 3 and 4).
7. Structure assembly occurred at Rabbit Peak HAY and M27-T4A.

8. BMP installation/maintenance occurred at the following locations:
  - Civil IDs 197, 198, and 200.
  - Rabbit Peak HAY, Shortcut HAY, Vincent Material Yards (North and South), Wikiup HAY, and Shortcut Saddle.
  - Loop Road L between 92 and 113, and Shortcut Saddle and Construct 72.
  - Constructs 1, 4, 5, 6, 9, 10, 22, 24, 25, 29, 31, 53, 68, 104, 108, M31-T2, M39-T1 to M39-T5, M77-T2, M28-T3, and M28-T4.
  - WSS 7.57 to 7.61A.
9. Wet crossings were installed at Construct 59, 60, 68, Civil ID 87, Civil ID 88, Civil ID 197, Civil ID 198, JD IDs 6-22-S-3, S-2, S-12, and S-14, Loop Road F, and Loop Road H. Maintenance of the wet crossing at Loop Road L and Construct 106 was also conducted.
10. Segment 6 percent completions to report date include: conductor removal 85%, structures removal 68%, foundation removal 11%, foundations installed 7%, tower erection 0%, and wire stringing 0%.

### ***Segment 11***

11. Construction activity on Segment 11A has been completed.
12. Construction activity on Segment 11D is on hold.

### **Environmental Compliance:**

1. SCE is avoiding construction within spotted owl and arroyo toad restricted areas.
2. A 5 gallon hydraulic oil spill occurred within the South Vincent Construction Yard on August 13. A 0.5 gallon diesel fuel leak occurred on Segment 6 Construct 18 on August 14. Both spills were immediately cleaned up and properly disposed of via a contracted environmental firm.
3. No new nests were discovered during the subject period.
4. Special-status species observed during the subject period by Biological Monitors included Swainson's Hawk, Cooper's Hawk, S. California Rufous-crowned Sparrow, Coast Horned Lizard, San Diego Desert Woodrat, Golden Eagle, Loggerhead Shrike, and Yellow Warbler.

No CPUC Project Memoranda or NCR's were issued for Segments 6 and 11 during this reporting period. Non-Compliance activities for the project to date are summarized in Table 4.

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

Mike Roberts, ANF

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

### **Summary of Activity**

1. Segments 7 & 8, 66 kV: No additional work is scheduled for 66 kV crews until after bird nesting season.
2. Segment 7: Wilson crews mowed, installed BMPs and performed BMP inspections at tower sites and wire setup sites to keep environmental surveys active. Foundation excavation, foundation pouring, materials staging, tower assembly, and vegetation trimming, and wire stringing preparations occurred (see Figure 5). To date, 100% of the conductor of the existing 220 kV Antelope-Mesa line has been removed and 100% of the structures have been removed. Of the 78 new double circuit 500 kV structures on the Mira Loma–Vincent line, a total of 14% of the conductor is strung, 90% of the foundations are complete and the structure assembly is 63% complete.

3. Segment 8, Phase 1: Wilson crews mowed vegetation, installed BMPs and performed BMP inspections at tower sites and wire setup sites to keep environmental surveys active. Materials staging, tower assembly, trenching, geotechnical boring (see Figure 6), and vegetation trimming occurred. To date, 100% of the conductor and structures have been removed from the existing 220 kV Chino-Mesa and Mira Loma–Walnut and Mira Loma–Olinda lines. Of a total 43 new structures on the double circuit 500 kV Mira Loma–Vincent line, 98% of the foundations are complete (including 100% of the TSPs in the City of Chino Hills) and 93% of the towers are complete.
4. Segment 8, Phase 2: Wilson crews installed BMPs at tower sites and wire setup sites to keep environmental surveys active. Materials staging occurred. Both 220 kV circuits (Chino–Mira Loma #1 and #2) were energized in June 2011.
5. Segment 8, Phase 3: No work occurred during the subject period.
6. Segment 8, Phase 4: Wilson and DCX crews mowed and installed BMPs at tower sites and wire setup sites to keep environmental surveys active. Foundation excavation (see Figure 7), foundation pouring, road grading (see Figure 8), road recontouring, tower assembly, tower erection, materials staging, tower pad recontouring, road recontouring, vegetation trimming, and vegetation clearing occurred. To date, 100% of the conductor and 100% of the structures on the existing 220 kV Chino-Mesa line have been removed. In total, foundations are 79% complete and lattice steel towers are 70% complete.

#### **Environmental Compliance:**

1. Non Compliance Report #3 was issued to SCE on August 15, 2012 for failure to continuously monitor earth moving activities in areas characterized as high to very high paleontological sensitivity around the Rose Hills and Puente Hills areas of Segment 8, Phase 4. No paleontological monitoring reports for Segment 8, Phase 4, had been provided for Segment 8, Phase 4, since October 21, 2011 (see Figures 9 & 10).
2. No spills were reported or observed during this reporting period.
3. During the subject period, several woodrat middens were relocated as part of site clearing activities on Segment 8, Phase 4.
4. A least Bell's vireo noise monitor was present during foundation drilling at Constructs M41-T4 and M42-T4 (see Figure 11) on Segment 8, Phase 4.
5. During the late morning on August 15, 2012, a drill rig being operated by DCX Construction was moving along an access road with the drill in the vertical position and ran into power/communication lines crossing a dirt access road in Puente Hills near Tower 50/1 (see Figure 12). The collision with the wires strained four wooden transmission poles to the point that two of them snapped, two cracked, and the wires fell to the ground. The electric current on the wires was disabled by a fail-safe on the connecting transformer before they touched the ground, so the wires did not start a fire in the brush. No people were harmed as a result of the incident. Access on the road was limited to essential personnel and communication and power companies were contacted immediately. A water truck was on-site to abate fire risk. Crews repaired the lines within 24 hours. Signs have been posted since to notify crews of low-hanging wires. An extensive safety training and review occurred following the incident.
6. A project-wide stop work order was issued on October 19, 2011 for work subject to FAA mitigation. SCE was ordered to not perform any new or additional tower construction and conductor stringing in areas that have a high probability of being subject to FAA mitigations. More specifically, conductor stringing in the City of Chino Hills within 1000 feet of any residents should not be undertaken.
7. Six new nests were discovered during the subject period, including least Bell's vireo, northern mockingbird, acorn woodpecker, hooded oriole, and mourning dove. Buffers for the nests were established by Biological Monitors in accordance with the Nesting Bird Management Plan.

8. Coastal California gnatcatcher, yellow warbler, least Bell's vireo, Cooper's hawk, yellow-breasted chat, loggerhead shrike, Peregrine falcon, and San Diego black-tailed jackrabbit were observed during the subject period by Biological Monitors.

Non-Compliance Report #3 was issued during the subject period for Segments 7 and 8. Non-Compliance activities for the project to date are summarized in Table 4.

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

None

**CPUC NOTICES TO PROCEED (NTPS) & 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 10/03/12)

| NTP #/<br>Permit   | Date<br>Requested | Date<br>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 Marshaling Yard  |
| #28 MOD  | 05/21/12          | 05/30/12       | Highwind yard | Entrance road and fence relocation.   |
| #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  |

| NTP #/<br>Permit        | Date<br>Requested    | Date<br>Issued  | Segment                | Description  |
|-------------------------|----------------------|-----------------|------------------------|--|
| CPUC<br>Addendum        | 05/25/10             | 06/04/10        | 2                      | Permanent overland travel routes for Operation and Maintenance inspections   |
| CPUC<br>Addendum        | 11/23/10             | 12/14/10        | Windhub<br>Substation  | Place additional riprap at the channel outlet at Windhub Substation, to mitigate for downstream erosion resulting from 2009/2010 rains |
| #30                     | 12/01/11             | 02/21/12        | 3B                     | Construction of Segment 3B Towers 1-14   |
| #30 MOD                 | 03/21/12             | 03/26/12        | 3B                     | Use of alternate existing access road and change of road improvement designation.  |
| #31                     | 01/16/12             | 03/05/12        | Highwind<br>Substation | Construction of Highwind Substation, Kern County   |
| Final<br>Engineering    | 06/22/12             | 07/12/12        | Highwind<br>Substation | Relocation of telecommunication tower @ Monolith Substation.   |
| #32                     | 12/01/11             | 03/23/12        | 3B                     | Construction of Segment 3B Towers 15-75  |
| CPUC<br>Addendum        | 12/02/11             | 03/14/12        | 3B                     | Installation of cathodic protection for neighboring pipelines.   |
| #32 MOD                 | 05/11/12             | 05/25/12        | 3B                     | Road changes to Segment 3B Towers 15-78 and shift in Tower 39.   |
| Final<br>Engineering    | Resubmit<br>06/15/12 | 07/12/12        | 3B                     | Gas pipeline cathodic protection changes.  |
| Final<br>Engineering    | 06/22/12             | 07/12/12        | 3B                     | Telecommunication equipment at Monolith Substation.  |
| Final<br>Engineering    | 06/12/12             | 08/13/12        | 3B                     | Gas pipeline cover. Data request sent 06/12/12. Additional data submitted to CPUC 08/06/12.  |
| Final<br>Engineering    | 08/03/12             | 09/10/12        | 3B                     | Road and grading changes and storm drain installation. Additional information requested 08/23/12.                                      |
| Final<br>Engineering    | 09/06/12             | Under<br>Review | 3B                     | Use of existing roads for stringing and gradient control mat.  |
| Final<br>Engineering    | 09/28/12             | Under<br>Review | 3B                     | AC mitigation ground rod testing and relocation of test site.  |
| 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<br>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   |



| NTP #/<br>Permit     | Date<br>Requested                                       | Date<br>Issued      | Segment    | Description  |
|----------------------|---|---------------------|------------|--|
| #10                  | 04/08/10  | 08/03/10            | 7, 8       | 66 kV re-route and relocation  |
| #10 Mod              | 01/28/11  | 02/04/11            | 7/8 66 kV  | 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<br>by SCE | 7/8 66 kV  | 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            | 7/8 66 kV  | 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  |
| #10 Mod              | 04/22/11  | 05/03/11            | 7/8 66 kV  | Chino pole removals  |
| #10 Mod              | 05/23/11  | 06/02/11            | 7/8 66 kV  | Realignment of approximately 500 feet of 66 kV underground transmission line   |
| #10 Mod              | 07/20/11  | 07/25/11            | 7/8 66 kV  | Dusty underground connection   |
| #10 Mod              | 08/26/11  | 09/01/11            | 7/8 66 kV  | New Fiber Optic Underground trench   |
| #10 Mod              | 08/29/11  | 09/08/11            | 66 kV      | Insulator replacement in Montebello Hills  |
| #10 Mod              | 09/28/11<br>additional<br>info<br>submitted<br>10/11/11 | 10/21/11            | 66 kV      | Additional work areas and poles  |
| #10 Mod              | 10/31/11  | 11/04/11            | 7, 8 66 kV | Additional underground trenching near Edison Avenue  |
| #10 Mod              | 11/02/11  | 11/09/11            | 66 kV      | Pole removal along Siphon Road   |
| #10 Mod              | 12/13/11  | 12/22/11            | 7/8 66 kV  | San Gabriel Dip extra work space and vault shift   |
| #10 Mod              | 01/31/12  | 03/01/12            | 7/8 66 kV  | Removal and installation activities at Pole No. 1431134E   |
| Final<br>Engineering | 08/06/12  | 08/13/12            | 7/8 66 kV  | Structure Installation, various reframing, installation of ground and guy wire, and shift activities.                        |
| Final<br>Engineering | 08/06/12  | 08/13/12            | 7/8 66 kV  | Removal of Structures and performing sag adjustment activities.  |
| #11                  | 05/08/10  | 08/12/10            | 8          | Segment 8 Transmission Line, Chino Hills, Phase I  |
| #11 Mod              | 09/07/11  | 09/12/11            | 8          | Increased grading limits for access road to towers M57-T1 and M24-T1A  |
| #11 Mod              | 01/03/12  | 01/05/12            | 8          | Relocation of a distribution pole and use of associated disturbance areas  |
| #11 Mod              | 12/19/11  | 01/17/12            | 8          | Structure additions or modifications, and associated structure work areas/access   |
| #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   |
| Final<br>Engineering | 06/22/12  | 07/23/12            | 8          | Addition of two towers M0-T9A and M66-J8, Segment 8 Phase 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  |

| NTP #/<br>Permit     | Date<br>Requested | Date<br>Issued | Segment               | Description   |
|----------------------|-------------------|----------------|-----------------------|---|
| #15 Mod              | 03/08/11          | 03/14/11       | 5                     | Modification of FOC alignment   |
| #15 Mod              | 06/16/11          | 06/21/11       | 5                     | Additional disturbance areas for grading limits in 5 locations  |
| #15 Mod              | 06/16/11          | 06/24/11       | 5                     | Temporary additional workspace near Tower 20  |
| #15 Mod              | 10/18/11          | 10/25/11       | 5                     | Relocate CT 68 and associated extra work space  |
| #15 Mod              | 03/23/12          | 03/30/12       | 5                     | Additional disturbance areas for drainage drain installation.   |
| #15 Mod              | 03/14/12          | 04/18/12       | 5                     | Installation of two H-frame structures within the Sagebrush alignment to allow of clearance or TRTP conductor |
| Final<br>Engineering | 07/27/12          | 08/13/12       | 5                     | Installation of guard rails at Tower 19.  |
| Final<br>Engineering | 09/17/12          | 09/17/12       | 5                     | Fencing for retaining wall at Construct 42.   |
| #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  |
| #17 Mod              | 07/06/11          | 07/19/11       | 7                     | Access road additions, modifications, grading limit modifications, and OPGW splice sites                      |
| #17 Mod              | 07/15/11          | 07/19/11       | 7                     | Removal of existing overhead ground wire and skywrap and replacement with fiber optical ground wire           |
| #17 Mod              | 02/24/12          | 03/01/12       | 7                     | Extra work space at M32-T4  |
| #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<br>Telecom         | Changes to telecom route. ITP/BO acreage confirmation pending   |
| #20 Mod              | 06/17/11          | 06/24/11       | 10<br>Telecom         | Additional trenching and vault placement along Oak Creek Road   |
| #21                  | 11/18/10          | 12/09/10       | 6 & 11                | Vincent North Material Yard   |
| #21 Mod              | 06/10/11          | 06/24/11       | Vincent<br>North MY   | Telephone and IT installation at Vincent North Material Yard  |
| #22                  | 11/18/10          | 12/09/10       | 6 & 11                | Vincent South Material Yard   |
| CPUC<br>Addendum     | 11/22/10          | 12/14/10       | Vincent<br>Substation | Section of road widening and riprap extension for the Vincent Substation expansion                            |
| #23                  | 12/22/10          | 01/11/11       | 6 & 11                | Material Yard 75  |
| #24                  | 11/10/10          | 01/13/11       | 8                     | Segment 8 West, Phase 4 Transmission Line   |
| #24 Mod              | 06/15/11          | 06/20/11       | 8                     | Access road to M3-T3A and M48-T1, Segment 8 Phase 4   |
| #24 Mod              | 11/14/11          | 11/17/11       | 8                     | Lower 66 kV line at I-605 shoofly   |
| #24 Mod              | 11/30/11          | 12/15/11       | 8                     | Shift in M52-T2 structure location and associated extra work space and access roads                           |
| #24 Mod              | 03/20/12          | 04/16/12       | 8                     | Segment 8, Phase 4 Access road and structure additions and modifications.                                     |

| NTP #/<br>Permit                   | Date<br>Requested                | Date<br>Issued  | Segment | Description   |
|------------------------------------|----------------------------------|-----------------|---------|---|
| #24 Mod                            | 04/03/12                         | 04/24/12        | 8       | Access roads on Rose Hills and Sanitation District roads.   |
| #24 Mod                            | 04/11/12                         | 04/24/12        | 8       | Permanent access road to M49-T1 and M2-T4a  |
| #24 Mod                            | 05/22/12                         | 06/05/12        | 8       | Curve widening along access roads between M49-T2 and M51-T5.  |
| #25                                | 11/19/10                         | 01/13/11        | 8       | Fullerton (1) and Tonner Canyon (2) Contractor Yards. USFWS/CDFG survey requirements for Tonner Canyon required. Only Fullerton CY approved under NTP #25.  |
| #26                                | 06/22/10                         | 01/14/11        | 9       | Whirlwind Substation  |
| #27                                | 01/03/11                         | 03/08/11        | 10      | Segment 10 Transmission Line  |
| #27 Mod                            | 10/13/11                         | 10/21/11        | 10      | Relocation of Tower 39, in line shift   |
| #27 Mod                            | 11/01/11                         | 11/10/11        | 10      | Additional guard pole and turning radii locations   |
| #27 Mod                            | 11/14/11                         | 11/21/11        | 10      | Modify road near CT 25  |
| CPUC<br>Addendum                   | 03/01/11                         | 03/17/11        | 9       | Bridge construction to access Whirlwind Substation  |
| #28                                | 04/22/11                         | 05/06/11        | 6, 11   | Construction Yard 58  |
| #29                                | 05/06/11                         | 05/13/11        | 6, 11   | San Gabriel Yard  |
| #30                                | 05/16/11                         | 06/07/11        | 4, 5    | Modifications to the Midway Vincent #3 T/L  |
| #31                                | 06/24/11                         | 06/30/11        | 11A     | Segment 11A Transmission Line Goodrich to Mesa (off ANF)  |
| #32                                | 09/12/11<br>09/14/11<br>10/13/11 | 11/09/11        | 6A      | Construction of Towers 1-35 on private (non-ANF) lands  |
| #32 Mod                            | 01/18/12                         | 02/08/12        | 6A      | Additional work areas outside of ANF lands  |
| Final<br>Engineering               | 08/28/12                         | 09/11/12        | 6A      | Rev 4 engineering changes, non-ANF.   |
| #33                                | 12/02/11                         | 01/13/12        | 6B      | Construction of Towers 35-72 on private (non-ANF) lands   |
| #34                                | 01/24/12                         | 02/13/12        | 11D     | Gould and Goodrich Substations  |
| #35                                | 01/26/12                         | 05/16/12        | 6C      | Construction of Towers 72-113 on private (non-ANF) lands  |
| #36                                | 07/25/12                         | 07/30/12        | 8       | Geotechnical investigations in Chino Hills.   |
|                                    | 07/20/12                         | Under<br>review | 11B     | Construction of Segment 11B, Gould to Goodrich (off ANF). Pending FAA concurrence.  |
| 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 |

| NTP #/<br>Permit  | Date<br>Requested | Date<br>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                                   |
| SUP               |                   | 09/21/11                           | 6       | Construction of Segment 6 towers   |
| NTP               |                   | 11/07/11                           | 6A      | Authorization to start construction of Towers CT1-CT35   |
| NTP               |                   | 01/11/12                           | 6B      | Authorization to start construction of Towers CT35-CT72  |
| Change Request #1 | 01/05/12          | 01/09/12                           | 6       | Radio repeater station locations allowed under SUP   |
| Change Request #2 | 01/20/12          | 01/31/12                           | 6       | Use of Turnaround, water tank, and Rincon Red Truck Trail  |
| Change Request #3 | 01/12/12          | 01/31/12                           | 6       | Engineering changes to reduce soil cut volume and minimize stockpile locations   |
| Change Request #4 | 02/12/12          | 05/11/12                           | 6       | Engineering changes to 6C  |
| Change Request #5 | 02/23/12          | 02/23/12                           | 6       | Redbox 16 kV Shoofly near Tower 71   |
| Change Request #6 | 02/27/12          | 02/29/12                           | 6       | Extension to complete wire removal work within Arroyo toad restriction area up to March 3  |
| Change Request #7 | 03/16/12          | 03/16/12                           | 6       | Barley Flats Repeater  |
| Change Request #8 | 05/10/12          | Additional info requested 06/01/11 | 6, 11   | Modification of Construction Work Plan to describe Helicopter Assembly Yard (HAY) development activities.                              |
| Change Request #9 | 06/08/12          | 06/22/12                           | 6, 11   | AQ-1d Use of wire pullers with pre 2006 engines  |

## 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 10/03/12)

| 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<br>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<br>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<br>MOD #2  | 07/08/10                        | 07/09/10        | 1         | Further expansion of construction hours for Antelope Substation construction   |
| VR #71<br>MOD #3  | 11/18/10                        | 11/19/10        | 1         | Further expansion of construction hours for Antelope Substation construction   |
|   | 02/07/12<br>Revised<br>06/06/12 | Under<br>Review | 1         | Exemption of restoration requirements in areas where livestock grazing has occurred.   |
| 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  |

| Variance Request | Date Requested   | Date Issued | Segment                     | Description   |
|------------------|------------------|-------------|-----------------------------|---|
| 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           | 12/03/10         | 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         |

| Variance Request | Date Requested | Date Issued | Segment       | Description   |
|------------------|----------------|-------------|---------------|---|
| 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           | 01/06/11       | 01/06/11    | 7             | Revised disturbance areas in Montebello Hills   |
| VR #27           | 01/12/11       | 01/13/11    | 7             | Relocation of interset tower M54-T3a  |
| VR #28           | 01/14/11       | 01/19/11    | Yard          | Grading at Vincent South Material Yard  |
| VR #29           | 01/14/11       | 01/19/11    | 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              | 02/14/11       | 02/14/11    | 8             | Access to additional wire setup sites between Oaks Avenue and Tower M46-T7b             |
| #36              | 02/14/11       | 02/15/11    | 10<br>Telecom | Move two wood poles approximately 5 feet out of the drainage along Oak Creek Road       |
| #37              | 02/19/11       | 02/24/11    | 6             | Modification to Yard 75 boundaries  |
| #38              | 02/23/11       | 02/25/11    | 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              | 04/06/11       | 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 Intersect M54-T3A  |
| #53              | 04/05/11       | 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   |

| Variance Request | Date Requested                  | Date Issued    | Segment | Description   |
|------------------|---------------------------------|----------------|---------|---|
| #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  |
| #60 Mod          | 04/25/11                        | 06/06/11       | 7       | Additional Wire Setup Site 7.1a   |
| #61              | 05/11/11                        | 05/13/11       | 5       | Additional access off Godde Hill Road   |
| #62              | 05/12/11                        | 05/18/11       | 7       | Soil stockpile area near M27-T3   |
| #63              | 05/19/11                        | 05/23/11       | 8       | Change to previously approved access road at M61-T1, Segment 8 Phase 1  |
| #64              | 05/23/11                        | 06/06/11       | 8       | Extra work space to accommodate wire tagging areas  |
| #65              | 05/25/11                        | 06/06/11       | 8       | Extra parking, staging and turnaround at Tower M48-T3   |
| #66              | 05/26/11                        | 06/06/11       | 5       | Elizabeth Lake access road  |
| #67              | 05/27/11                        | 06/06/11       | 8       | Additional workspace near M23-T2A in Segment 8 Phase 1  |
| #68              | 05/10/11<br>Revised<br>06/14/11 | 06/24/11       | All     | Allow continued use of approved TEWS access roads if nesting birds subsequently move in                                   |
| #69              | 06/14/11                        | CPUC<br>Review | All     | Variance to MM AQ-1d  |
| #70              | 06/14/11                        | 06/30/11       | 5       | Change in pulling site locations at CT 22, 43, 51a & 57   |
| #71              | 06/27/11                        | 07/06/11       | 8       | Extra workspace at M57-T2 and M57-T3  |
| #72              | 07/01/11                        | 07/08/11       | 8       | Additional workspace at the I-605 Shoofly area  |
| #73              | 06/01/11                        | 07/08/11       | 10      | Shift in Tower 43 Wire Setup Site. Additional information provided 07/07.   |
| #74              | 07/22/11                        | 07/28/11       | 11A     | Modification of guard pole sites along Segment 11A  |
| #75              | 07/25/11                        | 08/03/11       | 11A     | Equipment AQ-1d compliance  |
| #76              | 07/18/11<br>Revised<br>07/25/11 | 08/03/11       | 5       | Relocation of a Wire Stringing Site near Tower 34. Inquiry sent 07/27   |
| #77              | 07/27/11                        | 08/03/11       | 4       | Two additional Wire Stringing Sites near Towers 35 and 51. Inquiry sent 08/01   |
| #78              | 08/03/11                        | 08/04/11       | 8       | Relief from focused biological survey requirements because of restricted property access, Phase I. CDFG approval provided |
| #79              | 08/06/11                        | 08/11/11       | 4       | Guard pole site near Tower 52   |
| #80              | 08/10/11                        | 08/12/11       | 10      | Roadway reclassification and modifications near Tower 83  |



| Variance Request | Date Requested      | Date Issued | Segment   | Description   |
|------------------|---------------------|-------------|-----------|---|
| #81              | 08/12/11            | 08/18/11    | 10        | Roadway reclassification and modifications near Towers 48 and 49.   |
| #82              | 08/18/11            | 08/30/11    | 4         | Wire setup site (WSS) relocations and new WSS and overland travel routes. Inquiry sent 08/22; response submitted 08/26                |
| #83              | 07/26/11            | 08/30/11    | 8         | MA1-T2 and MA1-T4 access road   |
| #84              | 08/30/11            | 09/01/11    | 8         | M54-T1 and M54-T2 Access road and staging area  |
| #85              | 07/15/11            | 09/12/11    | 8         | Additional guard structure sites at Fullerton Road and WSS at M51-T2, M51-T3, M50-T1, M45-T4 and M6-T2. Gnatcatcher acreages pending. |
| #86              | 09/02/11            | 09/12/11    | 4         | Two guard pole sites  |
| #87              | 09/09/11            | 09/12/11    | 10        | Use of existing roads between 90 <sup>th</sup> street west and Tower 6  |
| #88              | 09/15/11            | 09/20/11    | 4, 5 & 10 | Allow for the use of six water trucks that don't meet the requirements of MM AQ-1d  |
| #89              | 09/15/11            | 09/22/11    | 10        | Increased turning radii @ CT 67 & 68 and road improvement at CT 74  |
| #90              | 09/26/11            | 10/03/11    | 5         | Extra work space for CT 30  |
| #91              | 09/28/11            | 10/03/11    | 5         | Addition of mats @ CT 45  |
| #92              | 10/01/11            | 10/03/11    | 4         | Segment 4 access road use near Tower 31   |
| #93              | 09/30/11            | 10/05/11    | 5         | Additional Disturbance area near Tower 55A  |
| #94              | 09/28/11            | 10/12/11    | 8         | Widen the curve of an access road leading to Structure M56-T4   |
| #95              | 09/30/11            | 10/12/11    | 5         | Additional disturbance areas at Towers 19, 22, and 25   |
| #96              | 10/12/11            | 10/17/11    | 8         | Guard structure site and access road to Structure MA1-T3  |
| #97              | 10/06/11            | 10/21/11    | 8         | Telecom wire sites at Rose Hills  |
| #98              | 10/22/11            | 11/04/11    | 4         | Additional turning radii and road reclassification associated with Tower M73-T3AX   |
| #99              | 10/20/11            | 11/01/11    | 8         | Extra Workspace for topsoil salvage at M56-T3   |
| #100             | 09/28/11            | 11/04/11    | 8         | Twenty-four staging and turnaround areas  |
| #101             | 11/02/11            | 11/04/11    | 5         | Additional work space at CT 30, 51a and 61  |
| #102             | 11/02/11            | 11/09/11    | 5         | Extra Workspace near Tower 18   |
| #103             | 11/04/11            | 11/09/11    | 5         | Additional guard pole sites   |
| #104             | 11/02/11            | 11/09/11    | 8         | Use of 605 Shoofly as Contractor Yard   |
| #105             | 11/06/11            | 11/14/11    | 5         | Additional workspace at CT 6, 28B, 44, 68 and M113-T3   |
| #106             | 11/09/11 & 11/10/11 | 11/17/11    | 5         | Additional workspace and roadways at CT30   |
| #107             | 11/16/11            | 11/18/11    | 8         | Use of Contractor yard previously approved as TEWS, in Chino  |
| #108             | 11/18/11            | 11/22/11    | 5         | Extra work space near CT 50, 51a, and 55  |

| Variance Request | Date Requested | Date Issued        | Segment           | Description   |
|------------------|----------------|--------------------|-------------------|---|
| #109             | 12/22/11       | 01/04/12           | 4                 | Additional wire stringing site outside of Antelope Substation   |
| #110             | 01/13/12       | 01/10/12           | 8                 | Widen road near M55-T2 and M56-T1 in Phase 1  |
| #111             | 01/11/12       | 01/17/12           | 5                 | Additional vehicle parking and equipment staging near Tower 25  |
| #112             | 01/12/12       | 01/17/12           | 8                 | Permanent removal of the fabric screening surrounding the Mira Loma Contractor yard   |
| #113             | 01/11/12       | 01/27/12           | 7                 | Addition of structure work areas in Montebello Hills  |
| #114             | 01/24/12       | 02/03/12           | 5                 | Additional disturbance areas at Tower 86  |
| #115             | 02/07/12       | 02/09/12           | 7                 | Expansion of Wire Sites and Guard Pole Structures   |
| #116             | 01/27/12       | 03/01/12           | 8                 | Additional guard pole sites at M64-T4 and M64-T5  |
| #117             | 02/24/12       | 03/01/12           | 7                 | Wire setup site expansions near Structures M33-T1 and M41-T4  |
| #118             | 03/05/12       | 03/07/12           | 7                 | Access road near M42-T6 & WSS 7.75  |
| #119             | 03/01/12       | 03/13/12           | 7                 | Snub site between M32-T3 and M32-T4   |
| #120             | 03/02/12       | 03/15/12           | 6, Vincent Yard   | Access for pedestrian gate at Vincent North Yard  |
| #121             | 03/16/12       | 03/20/12           | 5                 | Additional work area near Tower 19  |
| #122             | 02/22/12       | 03/30/12           | 8                 | Running Branch Road staging area  |
| #123             | 03/27/12       | 03/30/12           | 7                 | Additional parking areas at M39-T1 through M39-T3.  |
| #124             | 03/26/12       | 03/30/12           | 5                 | Additional disturbance areas near M18-T5.   |
| #125             | 03/27/12       | 04/06/12           | 6, Vincent Yard   | Additional power and associated disturbance areas needed at Vincent yards.  |
| #126             | 04/17/12       | 04/20/12           | 7                 | Additional area for WSS 7.15 on Segment 7   |
| #127             | 04/04/12       | 04/23/12           | 8                 | Use of existing roads in Rose Hills & Sanitations District.   |
|                  | 03/30/12       | Rescinded          | 6A                | Corral relocation near Tower 12.  |
| #128             | 05/03/12       | 05/14/12           | 7                 | Changes to wire sites and access roads between M30-T1 and M29-T3.   |
| #129             | 05/01/12       | Denied<br>05/16/12 | 8                 | Relief from focused biological survey requirements because of restricted property access, Rose Hills, Phase 4.                                |
| #130             | 06/05/12       | 06/12/12           | 6                 | Use of additional access road near Towers 11 and 12.  |
| #131             | 06/03/12       | 06/06/12           | 6                 | Placement of 2 generators and additional road use in Aliso Canyon to provide power during distribution line outage.                           |
| #132             | 06/20/12       | 07/22/12           | 8                 | Curve widening along existing access roads, modified wire set up site and access, at structures M45-T4/M6-T2 and M45-T5 in Segment 8 Phase 4. |
| #133             | 07/18/12       | 08/07/12           | 6A and 6C off ANF | Guy wire staking outside of disturbance areas to provide stability of suspended loads.  |
| #134             | 08/24/12       | 08/29/12           | 8                 | Landfill access to tower M45-T1.  |

| Variance Request | Date Requested | Date Issued | Segment | Description   |
|------------------|----------------|-------------|---------|---|
| #135             | 08/22/12       | 09/12/12    | 8       | Construct M45-T5 access road curve widening and pull-outs.  |
| #136             | 09/25/12       | To CPUC     | 7       | Extra work space and drainage crossing at Construct M31-T2. |
|                  | 02/22/12       | On hold     | 8       | Extra work space @ Tower M60-T1.                            |

**TABLE 3**  
**TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS**  
(Updated 10/03/12)

| 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  | 10/08/10       | 10/08/10      | 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  | 11/01/10       | 11/01/10      | 5       | Use of an existing SCE access road   |
| #7  | 11/01/10       | 11/03/10      | 5       | Use of an existing road (Parkwood Drive)   |
| #8  | 11/02/10       | 11/02/10      | 8       | Use a site not previously identified for vehicle parking and as a helicopter landing zone    |
| #9  | 11/30/10       | 12/01/10      | 5       | Use 8 existing spur roads as extra parking and turnaround areas                              |
| #10   | 12/02/10       | 12/02/10      | 7       | Additional access road for on Rio Hondo–Anita No. 2 66 kV                                    |
| #11   | 12/08/10       | 12/08/10      | 5       | Use an existing spur road near Tower 29, north of Elizabeth Lake Road                        |
| #12   | 12/09/10       | 12/09/10      | 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   | 01/10/11       | 01/10/11      | 8       | Access road to Tower M2-T5   |
| #15   | 01/11/11       | 01/11/11      | 8       | Additional parking area in Tonner Canyon   |
| #16   | 01/17/11       | 01/17/11      | 5       | Additional parking and turnaround area near Tower 54   |
| #17   | 01/18/11       | 01/18/11      | 7       | Use of a dirt road for access to M41-T4 wire sites   |

| TEWS Request | Date Requested | Date Approved | Segment | Description  |
|--------------|----------------|---------------|---------|--|
| #18          | 02/04/11       | 02/04/11      | 7       | Additional access road to Tower M54-T3a  |
| #19          | 02/11/11       | 02/11/11      | 5       | Extension for use of mudpit road north of Elizabeth Lake Road  |
| #20          | 02/15/11       | 02/25/11      | 7       | Crane parking on Brookridge Road in the City of Duarte   |
| #21          | 03/02/11       | 03/02/11      | 8       | Additional parking within Tonner Canyon adjacent to M57-T1   |
| #22          | 03/03/11       | 03/03/11      | 8       | Additional parking within Tonner Canyon adjacent to M57-T3   |
| #23          | 03/03/11       | 03/03/11      | 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          | 03/31/11       | 03/31/11      | 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 |
| #30          | 05/22/11       | 05/26/11      | 5       | Mat placement to protect drainage pipes along access road at Parkwood Drive  |
| #31          | 06/08/11       | 06/09/11      | 8       | Additional access at the 605 Shoofly   |
| #32          | 05/23/11       | 06/06/11      | 5       | Use of spur road near Tower 26   |
| #33          | 06/07/11       | 06/09/11      | 5       | Extended original TEWS for spur road near Tower 54   |
| #34          | 06/13/11       | 06/14/11      | 11      | Additional parking outside of San Gabriel Yard   |
| #35          | 06/28/11       | 06/28/11      | 5       | Additional staging near Tower 44   |
| #36          | 07/08/11       | 07/11/11      | 5       | Additional staging area near Tower 51  |
| #37          | 07/20/11       | 07/20/11      | 8       | Additional access at Rooks Road  |
| #38          | 07/20/11       | 07/20/11      | 8       | Additional stage area at M60-T1  |
| #39          | 07/27/11       | 07/27/11      | 8       | Additional staging and turnaround between M54-T1 and M54-T2  |
| #40          | 08/01/11       | 08/01/11      | 5       | Use of spur road for additional parking and staging near Tower 52.   |
| #41          | 08/08/11       | 08/12/11      | 5       | Use of disturbed area for parking and equipment staging near Tower 30.   |
| #42          | 08/10/11       | 08/10/11      | 8       | New access to Tower MA1-T3   |
| #43          | 08/12/11       | 08/12/11      | 8       | Additional guard pole site on Fullerton Road   |
| #44          | 08/12/11       | 08/12/11      | 11      | Extra space at guard pole site on Del Mar Avenue   |
| #45          | 08/12/11       | 08/12/11      | 8       | Access to distribution poles along Archibald Avenue  |

| TEWS Request | Date Requested | Date Approved | Segment | Description   |
|--------------|----------------|---------------|---------|---|
| #46          | 08/08/11       | 08/12/11      | 5       | Use of disturbed area for parking and staging of equipment and vehicles.            |
| #47          | 08/18/11       | 08/18/11      | 8       | Additional parking at M64-T4  |
| #48          | 08/19/11       | 08/19/11      | 11      | Overland access to Tower M14-6  |
| #49          | 10/13/11       | 10/13/11      | 8       | Contractor yard, turning area and staging for 66 kV underground work in Ayala Park. |
| #50          | 11/07/11       | 11/14/11      | 5       | Use of three existing spur roads for additional parking near Tower 68               |
| #51          | 11/22/11       | 11/22/11      | 8       | Use of an existing, paved road for additional access on Segment 8, Phase 3.         |
| #52          | 12/29/11       | 12/29/11      | 8       | Additional access roads within Rose Hills cemetery.                                 |
| #53          | 01/04/11       | 01/04/11      | 7       | Additional parking and staging area within Legg Lake.                               |
| #54          | 01/11/12       | 01/18/12      | 5       | Additional parking and staging area near CT 48.                                     |
| #55          | 01/18/12       | 01/18/12      | 5       | Additional parking and staging area near CT 56.                                     |
| #56          | 01/23/12       | 01/27/12      | 5       | Additional parking and staging area near CT 42.                                     |
| #57          | 01/30/12       | 01/30/12      | 8       | Additional parking and staging area on Running Branch Road near M55-T1.             |
| #58          | 01/30/12       | 01/30/12      | 8       | Additional access road within Tonner Canyon.  |
| #59          | 02/02/12       | 02/03/12      | 8       | Additional parking and staging off of Frame Avenue.                                 |
| #60          | 02/10/12       | 02/16/12      | 7       | Extension of a wire setup site on Segment 7   |
| #61          | 02/22/12       | 02/22/12      | 7       | Road to access a wire setup site on Segment 7                                       |
| #62          | 02/27/12       | 02/27/12      | 11      | Access road at Goodrich substation.   |
| #63          | 02/29/12       | 02/29/12      | 5       | Access road to tower M18-5  |

## NON-COMPLIANCES & INCIDENTS

Table 4 provides a summary of CPUC Non-Compliance Reports and Project Memorandums.

**TABLE 4**  
**CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA**  
(Updated 10/03/12)

| 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><br>(January 2010 thru the present)  |   |              |   |
| CPUC Non-Compliance Reports (NCR):   |   |              |   |
| NCR #1   | Issued<br>02/24/11<br>Withdrawn<br>03/24/11 | Project-wide | No notification of wildlife entrapment/mortality from bird deterrent netting. |

| Type                        | Date  | Location              | Description  |
|-----------------------------|---|-----------------------|--|
| NCR #2                      | 09/13/11                                    | Segment 7<br>66 kV    | TRTP construction activity occurring in the San Gabriel Junction area prior to the installation of exclusionary staking for sensitive resource areas and without resource monitoring |
| NCR #3                      | 08/15/12                                    | Segment 8,<br>Phase 4 | Paleontological (paleo) monitoring not in compliance with PRMP.  |
| CPUC Project Memoranda (PM) |   |                       |  |
| PM #1                       | 04/27/10                                    | Segment 3A            | Delivery of equipment to Tower 43 within an ESA without monitors present   |
| PM #2                       | 06/23/10                                    | Segment 8<br>West CY  | Vegetation clearing without preconstruction biological or clearance surveys within TRTP right-of-way   |
| PM #3                       | 02/16/11                                    | Project-wide          | No notification provided on 10 separate Level 0 incidences   |
| PM #4                       | 02/16/11                                    | Segment 7             | Construction crews entered area prior to sweep being field validated by CPUC EM  |
| PM #5                       | 09/07/11                                    | Segment 7             | Use of unapproved area for staging material near Greenwood and Saturn Ave, Monterey Park   |
| PM #6                       | 12/09/11                                    | Segment 7<br>66 kV    | Use of unapproved areas for soil disposal  |
| PM #7                       | Issued<br>12/09/11<br>Retracted<br>02/03/12 | Segment 5             | Non-reporting of special status species found during focused surveys in areas under construction   |
| PM #8                       | 04/20/12                                    | Segment 7             | Encroachment on a red-tailed hawk buffer by spacer cart.   |

## PROJECT PHOTOGRAPHS



Figure 1: Access road grading at Construct 1 on Segment 6A.



Figure 2: Structure removal of M79-T2 on Segment 6A.



Figure 3: Foundation excavation at Construct 20 on Segment 6A.



Figure 4: Foundation excavation at Construct 24 on Segment 6A.





Figure 5: Preparations for wire pull on Segment 7.



Figure 6: Geotechnical boring on Segment 8, Phase 1, in Chino Hills.



Figure 7: Dust control during grading at M43-T2, Segment 8, Phase 4.



Figure 8: Dust control by DCX in Puente Hills during curve widening on Segment 8, Phase 4.



Figure 9: Follow up field meeting with SCE, CPUC/Aspen, and Applied Earthworks regarding NCR #3.



Figure 10: Field investigation of paleontological impacts following NCR #3.



Figure 11: Tri-State drilling crews setting up adjacent to least Bell's vireo habitat at Construct M42-T4 on Segment 8, Phase 4.



Figure 12: Panorama of drill rig accident site where wires fell in Puente Hills.



Figure 13: Power lines downed, looking south from communications station.