

Attachment I

Pre-Energizing Mitigation Measures

Sunrise Powerlink Transmission Project Mitigation Monitoring, Compliance, and Reporting Program



California Public Utilities Commission
and
Bureau of Land Management
U.S. Department of Interior

November 2009

Note: In this table, mitigation measures are denoted with Mitigation Measure preceding the measure title and Applicant Proposed Measures are denoted with APM. To facilitate tracking of the measures' requirements, some measures have been subdivided by task and/or timing. A measure that has been subdivided is identifiable by its measure number preceded by a dash, with subsequent tasks shown in parentheses, e.g., — (A-1a). A row with a measure number preceded by a dash and/or in parentheses does not contain the entire measure, only a specific task.

Several of the biological resources APMs have been updated to show changes (in underline/~~strikeout~~) that were originally incorporated into Appendix 8N of the Final EIR/EIS. These changes are included in the following table, and throughout the MMCRP.

Table I-1. Mitigation Measures and Applicant Proposed Measures – Post Construction, Pre-Energizing

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|--------------------------------------|---|
| | — WR-2b: Evaluate and Implement PCT Route Revision. SDG&E shall consult and coordinate with the U.S. Forest Service, BLM, and the Pacific Crest Trail Association to develop route options for revising the PCT so it would cross the Modified Route D Alternative only once, rather than three times. SDG&E shall prepare and submit a report to the BLM and U.S. Forest Service prior to energizing the new transmission line. The report shall identify feasible PCT relocation options, and, under the direction of the federal agencies, shall evaluate whether its construction and restoration of the old trail segment would create overall greater impacts than those created by three crossings of the PCT that would occur with the Modified Route D Alternative. |
| | — (WR-2b) If directed by the BLM, SDG&E shall be responsible for constructing the new trail segment and restoring the old trail segment in manner acceptable to the BLM and U.S. Forest Service. Trail construction and restoration shall be completed within one year of energizing the transmission line. |
| Location | Modified Route D Alternative at PCT Crossing |
| Monitoring / Reporting Action | Consult and coordinate with USFS, BLM, and Pacific Crest Trail Association |
| Effectiveness Criteria | PCT relocation options are identified and implemented at the direction of the agencies |
| Responsible Agency | USFS; BLM |
| Timing | Post construction, pre-energizing the line. |
| Status | |
| Review / Approval Status | |
| MITIGATION MEASURE | PS-2a: Implement grounding measures. As part of the siting and construction process for the Proposed Project, SDG&E shall identify objects (such as fences, metal buildings, and pipelines) within and near the right-of-way that have the potential for induced voltages and shall implement electrical grounding of metallic objects in accordance with SDG&E's standards. The identification of objects shall document the threshold electric field strength and metallic object size at which grounding becomes necessary. |
| Location | Along the entire transmission line route |
| Monitoring / Reporting Action | Review documentation provided; verify that necessary grounding measures are installed. |
| Effectiveness Criteria | The potential for impacts associated with induced currents and voltages on objects near the energized transmission line are reduced. |
| Responsible Agency | CPUC |
| Timing | During construction and post construction pre-energizing the line. |
| Status | |
| Review / Approval Status | |

Table I-1. Mitigation Measures and Applicant Proposed Measures – Post Construction, Pre-Energizing

| | |
|--------------------------------------|--|
| MITIGATION MEASURE | F-1b: Amend and implement Sempra Utilities Wildland Fire Prevention and Fire Safety Guide (2007). The draft SDG&E Plan and final Sempra Utilities Wildland Fire Prevention and Fire Safety Guide (2007) are presented in Appendix 3D. The Amended Plan shall, at a minimum, include all of the provisions of the Final Plan and the Construction Fire Plan (per Mitigation Measure F-1a). The plan shall be revisited and updated once every five years to incorporate new regulations, practices, technologies, and fire science research. SDG&E shall submit the Plan for review and comment by the following agencies at least 90 days prior to energizing the Proposed Project: CPUC, BLM, U.S. Forest Service, and ABDSP, and shall submit the Plan (with agency comments incorporated) for review and approval by Cal Fire at least 90 days prior to energizing the Proposed Project. |
| Location | Along entire Proposed Project and Alternatives |
| Monitoring / Reporting Action | CPUC, BLM, CAL FIRE, U.S. Forest Service, and ABDSP will review and comment and CAL FIRE will approve the SDG&E Fire Plan for Electric Standard Practice. CPUC and BLM will verify adoption of plan. |
| Effectiveness Criteria | Approval and implementation of the Plan Quarterly updates to agencies Work stoppage during Red Flag Warnings and Very High PAL |
| Responsible Agency | CPUC, BLM, CAL FIRE, U.S. Forest Service, and ABDSP |
| Timing | Post construction, pre-energizing the line. |
| Status | |
| Review / Approval Status | |
| MITIGATION MEASURE | — F-2a: Establish and maintain adequate line clearances. The Applicant shall establish adequate conductor clearances prior to energizing the project by removing all vegetation from within 15 radial feet of new and relocated overhead 69 kV, 230 kV, and 500 kV conductors under maximum sag and sway. Only trees and vegetation with a mature height of 15 feet or less shall be permitted within the ROW, except where the transmission line spans a canyon. In addition, tree branches that overhang the ROW within 15 horizontal feet of any conductor shall be trimmed or removed, as appropriate, including those on steep hillsides that may be many vertical feet above the facility. Cleared vegetation shall either be removed or chipped and spread onsite in piles no higher than six (6) inches. |
| | — F-2a During the life of the project, the Applicant shall maintain adequate conductor clearances by inspecting the growth of vegetation along the entire length of the overhead transmission line at least once each spring and documenting the survey and results in a report submitted to the CPUC before June 1 of each year. Conductor clearance of 15 radial feet under maximum sag and sway shall be maintained at all times. Maximum sag and sway shall be computed based on ambient temperatures of no less than 120 degrees Fahrenheit and wind gusts of no less than 100 miles per hour. |
| Location | Along entire Proposed Project and Alternatives |
| Monitoring / Reporting Action | CPUC/BLM monitor verifies that SDG&E established adequate conductor clearance. |
| Effectiveness Criteria | Adequate (15 foot) conductor clearance is maintained |
| Responsible Agency | CPUC; BLM |
| Timing | Post construction, prior to energizing the project and for the life of the project. |
| Status | |
| Review / Approval Status | |