CHAPTER 10

Mitigation Monitoring, Reporting, and Compliance Program

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PUBLIC UTILITIES COMMISSION
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MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM

SOUTHERN CALIFORNIA EDISON'S
MOORPARK-NEWBURY 66 KV SUBTRANSMISSION LINE
PROJECT (APPLICATION NO. A.13-10-021)

INTRODUCTION

This document describes the mitigation monitoring, reporting, and compliance program (MMRCP) for ensuring the effective implementation of the mitigation measures required for approval by the California Public Utilities Commission (CPUC, or Commission) of the application by Southern California Edison (SCE) to construct, operate, and maintain the Moorpark-Newbury 66 kV Subtransmission Line Project (Proposed Project). The MMRCP includes all measures proposed by SCE (applicant proposed measures, APMs), and all mitigation measures identified by the CPUC to reduce potentially significant impacts to less than significant.

If the Proposed Project is approved, this document would serve as a self-contained general reference for the MMRCP adopted by the Commission for the Proposed Project. If and when the Proposed Project is approved by the Commission, the CPUC will compile the Final MMRCP to assure that it includes all measures as adopted in the Final Environmental Impact Report (EIR).

California Public Utilities Commission – MMRCP Authority

The California Public Utilities Code in numerous places confers authority upon the CPUC to regulate the terms of service and the safety, practices, and equipment of utilities subject to its jurisdiction. It is the standard practice of the CPUC, pursuant to its statutory responsibility to protect the environment, to require that mitigation measures stipulated as conditions of approval be implemented properly, monitored, and reported on. In 1989, this requirement was codified statewide as Section 21081.6 of the Public Resources Code. Section 21081.6 requires a public agency to adopt a mitigation monitoring or reporting program when it approves a project that is subject to preparation of an EIR and where the EIR for the project identifies potentially significant environmental effects. California Environmental Quality Act (CEQA) Guidelines Section 15097 was added in 1999 to further clarify agency requirements for mitigation monitoring and reporting.

The purpose of a MMRCP is to ensure that measures adopted to mitigate or avoid significant impacts of a project are implemented. The CPUC views the MMRCP as a working guide to

facilitate not only the implementation of mitigation measures by the project proponent, but also the monitoring, compliance, and reporting activities of the CPUC and any monitors it may designate.

The Commission will address its responsibility under Public Resources Code Section 21081.6 when it takes action on SCE's application. If the Commission approves the application, it will also adopt this MMRCP that includes the mitigation measures as well as the Applicant Proposed Measures (APMs), implementation of which will ultimately be made a condition of approval by the Commission.

Because the CPUC must decide whether or not to approve the SCE application and because the Proposed Project may cause either direct or reasonably foreseeable indirect effects on the environment, CEQA requires the CPUC to consider the potential environmental impacts that could occur as the result of its decisions and to consider mitigation for any identified significant environmental impacts.

If the CPUC approves SCE's application for authority to construct and operate the Proposed Project, SCE would be responsible for implementation of any mitigation measures governing both construction and future operation of the Proposed Project. Though other state and local agencies would have permit and approval authority over some aspects of construction of the subtransmission line, the CPUC would continue to act as the lead agency for monitoring compliance with all mitigation measures required by this EIR. All approvals and permits obtained by SCE would be submitted to the CPUC for mitigation compliance prior to commencing the activity for which the permits and approvals were obtained.

In accordance with CEQA, the CPUC reviewed the impacts that would result from approval of the application. The activities considered include the construction and operation of the new Moorpark-Newbury 66 kV Subtransmission Line and upgrading the existing Moorpark-Newbury-Pharmacy 66 kV Subtransmission Line to address forecasted overloads on a section of the existing line and to enhance reliability and operational flexibility. The CPUC review concluded that Proposed Project implementation could result in significant unmitigable impacts on air quality and noise. All other potential impacts would be less than significant or would be mitigated to less-than-significant levels. The CPUC has included the stipulated mitigation measures as well as SCE's APMs as conditions of approval of the applications and has circulated a Draft EIR.

The attached EIR presents and analyzes potential environmental impacts that would result from construction, operation, and maintenance of the Proposed Project, and proposes mitigation measures as appropriate. Based on the EIR, approval of the application would have no impacts or less than significant impacts in the following areas:

- Agriculture and Forestry Resources
- Energy Conservation
- Geology and Soils
- Greenhouse Gas Emissions
- Land Use and Planning
- Mineral Resources
- Population and Housing
- Public Services
- Recreation
- Utilities and Service Systems

The following environmental issue areas were determined to have potentially significant impacts that would be reduced to less-than-significant levels with mitigation:

- Aesthetics
- Biological Resources
- Cultural Resources
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Transportation and Traffic

The EIR indicates that approval of the application would result in significant unmitigable impacts in the in the areas of:

- Air Quality
- Noise

Roles and Responsibilities

As the lead agency under CEQA, the CPUC is required to monitor this project to ensure that the required mitigation measures and APMs are implemented. The CPUC will be responsible for ensuring full compliance with the provisions of this MMRCP and has primary responsibility for implementation of the monitoring program. The purpose of the monitoring program is to document that the mitigation measures required by the CPUC are implemented and that mitigated environmental impacts are reduced to the level identified in the Program. The CPUC has the authority to halt any activity associated with the Proposed Project if the activity is determined to be a deviation from the approved project or the adopted mitigation measures.

The CPUC may delegate duties and responsibilities for monitoring to other mitigation monitors or consultants as deemed necessary. The CPUC will ensure that the person(s) delegated any duties or responsibilities are qualified to monitor compliance.

The CPUC, along with its mitigation monitor, will ensure that any variance process, which will be designed specifically for the approved project, or deviation from the procedures identified under the monitoring program is consistent with CEQA requirements; no project variance will be approved by the CPUC if it creates new significant environmental impacts. As defined in this MMRCP, a variance should be strictly limited to minor project changes that will not trigger other permit requirements, that does not increase the severity of an impact or create a new impact, and that clearly and strictly complies with the intent of the mitigation measure. A change to the approved project that has the potential for creating significant environmental effects will be evaluated to determine whether supplemental CEQA review is required. Any proposed deviation from the approved project and adopted mitigation measures, including correction of such deviation, shall be reported immediately to the CPUC and the mitigation monitor assigned to the construction for their review and CPUC approval. In some cases, a variance also may require approval by a CEQA responsible agency.

Enforcement and Responsibility

The CPUC is responsible for enforcing the procedures for monitoring through the environmental monitor. The environmental monitor shall note problems with monitoring, notify appropriate

agencies or individuals about any problems, and report the problems to the CPUC. The CPUC has the authority to halt any construction, operation, or maintenance activity associated with the approved project if the activity is determined to be a deviation from the approved project or adopted mitigation measures. The CPUC may assign its authority to their environmental monitor.

Mitigation Compliance Responsibility

SCE is responsible for successfully implementing all of the adopted APMs and mitigation measures in this MMRCP. The MMRCP contains criteria that define whether mitigation is successful. Standards for successful mitigation also are implicit in many mitigation measures that include such requirements as obtaining permits or avoiding a specific impact entirely. Additional mitigation success thresholds will be established by applicable agencies with jurisdiction through the permit process and through the review and approval of specific plans for the implementation of mitigation measures.

SCE shall inform the CPUC and its mitigation monitor in writing of any mitigation measures that are not or cannot be successfully implemented. The CPUC, in coordination with its mitigation monitor, will assess whether alternative mitigation is appropriate and specify to SCE the subsequent actions required.

Dispute Resolution Process

This MMRCP is expected to reduce or eliminate many of the potential disputes concerning the implementation of the adopted measures. However, in the event that a dispute occurs, the following procedure will be observed:

- **Step 1.** Disputes and complaints (including those of the public) should be directed first to the CPUC's designated Project Manager for resolution. The Project Manager will attempt to resolve the dispute.

- **Step 2.** Should this informal process fail, the CPUC Project Manager may initiate enforcement or compliance action to address deviations from the approved project or adopted MMRCP.

- **Step 3**. If a dispute or complaint regarding the implementation or evaluation of the MMRCP or the mitigation measures cannot be resolved informally or through enforcement or compliance action by the CPUC, any affected participant in the dispute or complaint may file a written "notice of dispute" with the CPUC's Executive Director. This notice should be filed in order to resolve the dispute in a timely manner, with copies concurrently served on other affected participants. Within 10 days of receipt, the Executive Director or designee(s) shall meet or confer with the filer and other affected participants for purposes of resolving the dispute. The Executive Director shall issue an Executive Resolution describing his/her decision, and serve it on the filer and other affected participants.

- **Step 4.** If one or more of the affected parties is not satisfied with the decision as described in the Resolution, such party(ies) may appeal it to the Commission via a procedure to be specified by the Commission.

Parties may also seek review by the Commission through existing procedures specified in the Commission's Rules of Practice and Procedure for formal and expedited relief.

General Monitoring Procedures

Mitigation Monitor

Many of the monitoring procedures will be conducted during the construction phase of the approved project. The CPUC and the mitigation monitor are responsible for integrating the mitigation monitoring procedures into the construction process in coordination with SCE. To oversee the monitoring procedures and to ensure success, the mitigation monitor assigned to the construction must be on site during that portion of construction that has the potential to create a significant environmental impact or other impact for which mitigation is required. The mitigation monitor is responsible for ensuring that all procedures specified in this MMRCP are followed.

Construction Personnel

A key feature contributing to the success of mitigation monitoring will be obtaining the full cooperation of construction personnel and supervisors. Many of the mitigation measures and APMs require action on the part of the construction supervisors or crews for successful implementation. To ensure success, the following actions, detailed in specific mitigation measures included in this MMRCP, will be taken:

- SCE shall require all contractors to comply with the conditions of project approval, including all applicable APMs and mitigation measures.
- One or more pre-construction meetings will be held to inform all and train construction personnel about the requirements of the MMRCP.
- A written summary of mitigation monitoring procedures will be provided to construction supervisors for all APMs mitigation measures requiring their attention.

General Reporting Procedures

Site visits and specified monitoring procedures performed by other individuals will be reported to the mitigation monitor assigned to the construction. A monitoring record form will be submitted to the mitigation monitor by the individual conducting the visit or procedure so that details of the visit can be recorded and progress tracked by the mitigation monitor. A checklist will be developed and maintained by the mitigation monitor to track all procedures required for each mitigation measure and to ensure that the timing specified for the procedures is adhered to. The mitigation monitor will note any problems that may occur and take appropriate action to rectify the problems. SCE shall provide the CPUC with written quarterly reports of the approved project, which shall include progress of construction, resulting impacts, mitigation implemented, and all other noteworthy elements of the approved project. Quarterly reports shall be required as long as mitigation measures are applicable.

Public Access to Records

The public is allowed access to records and reports used to track the monitoring program. Monitoring records and reports will be made available for public inspection by the CPUC on request. The CPUC and SCE will develop a filing and tracking system.

Condition Effectiveness Review

In order to fulfill its statutory mandates to mitigate or avoid significant effects on the environment and to design a MMRCP to ensure compliance during approved project implementation (Pub. Res. Code §21081.6):

- The CPUC may conduct a comprehensive review of conditions which are not effectively mitigating impacts at any time it deems appropriate, including as a result of the Dispute Resolution procedure outlined above; and

- If in either review, the CPUC determines that any conditions are not adequately mitigating significant environmental impacts caused by the project, or that recent proven technological advances could provide more effective mitigation, then the CPUC may impose additional reasonable conditions to effectively mitigate these impacts.

These reviews will be conducted in a manner consistent with the CPUC's rules and practices.

Mitigation Monitoring, Reporting and Compliance Program

The table attached to this MMRCP presents a compilation of APMs and mitigation measures in the EIR. The purpose of the table is to provide a single comprehensive list of impacts, APMs, mitigation measures, monitoring and reporting requirements, and timing.

TABLE 10-1
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Aesthetics				
Impact 5.1-2: Use of temporary staging and laydown areas during the construction period would result in adverse impacts to visual quality.	**Mitigation Measure 5.1-2a:** SCE shall not place equipment at the laydown or conductor stringing areas any sooner than two weeks prior to the required use. **Mitigation Measure 5.1-2b:** SCE shall coordinate with the Conejo Open Space Conservation Agency (COSCA) to ensure that designated trails in the vicinity of the Proposed Project are not blocked by the laydown or conductor stringing areas. SCE shall coordinate with COSCA to post signage at trailheads within the Conejo Canyons Open Space area, alerting recreationalists to construction locations and dates.	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to monitor compliance.	During all phases of construction activities.
Impact 5.1-3: Use of temporary construction conductor stringing sites during the approximately 10-month construction period could result in adverse impacts to visual quality.	Implement Mitigation Measures 5.1-2a and 5.1-2b.	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to monitor compliance.	During all phases of construction activities.
Impact 5.1-6: If night lighting is required during construction, the Proposed Project could adversely affect nighttime views in the Proposed Project area.	**Mitigation Measure 5.1-6:** SCE shall design and install all lighting at Project facilities, including construction and storage yards and staging areas, such that light bulbs and reflectors are not visible from public viewing areas; lighting does not cause reflected glare; and illumination of the project facilities, vicinity, and nighttime sky is minimized. SCE shall submit a *Construction Lighting Mitigation Plan* to the CPUC for review and approval at least 90 days prior to the start of construction or the ordering of any exterior lighting fixtures or components, whichever comes first. SCE shall not order any exterior lighting fixtures or components until the *Construction Lighting Mitigation Plan* is approved by the CPUC. The Plan shall include but is not limited to the following measures: • Lighting shall be designed so exterior lighting is hooded, with lights directed downward or toward the area to be illuminated and so that backscatter to the nighttime sky is minimized. The design of the lighting shall be such that the luminescence or light sources are shielded to prevent light trespass outside the Project boundary.	SCE and its contractors to implement measure as defined.	A *Construction Lighting Mitigation Plan* shall be submitted to the CPUC for review and approval. CPUC mitigation monitor to monitor compliance.	At least 90 days prior to the start of construction. During all phases of the Proposed Project.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Aesthetics (cont.)				
Impact 5.1-6 (cont.)	• All lighting shall be of minimum necessary brightness consistent with worker safety. High illumination areas not occupied on a continuous basis shall have switches or motion detectors to light the area only when occupied.			
Agriculture and Forestry Resources				
No mitigation required.				
Air Quality				
Air Quality and Fugitive Dust	**APM AQ-1: Air Quality Protection.** SCE has implemented, and would implement, a number of practices, including minimizing equipment idling time and maintaining equipment engines in good condition and in proper tune as per manufacturers' specifications, to reduce emissions. SCE's practices for the control of fugitive dust emissions, which were implemented during past construction activities and would be implemented during future construction activities, incorporate many of the recommended measures described in the Ventura County Air Pollution Control District's (VCAPCD) Model Fugitive Dust Mitigation Plan, which is reproduced verbatim below:[1] 1. The area disturbed by clearing, grading, earth moving, or excavation operations shall be minimized to prevent excessive amounts of dust. 2. Pre-grading/excavation activities shall include watering the area to be graded or excavated before commencement of grading or excavation operations. Application of water (preferably reclaimed, if available) should penetrate sufficiently to minimize fugitive dust during grading activities.	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to inspect compliance.	During all phases of construction activities.

[1] This text is taken verbatim, including the parenthetical remark "(indicate by whom)", from the Ventura County Air Quality Control District's Ventura County Air Quality Assessment Guidelines.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Air Quality (cont.)				
Air Quality and Fugitive Dust **(cont.)**	3. Fugitive dust produced during grading, excavation, and construction activities shall be controlled by the following activities: a. All trucks shall be required to cover their loads as required by California Vehicle Code §23114. b. All graded and excavated material, exposed soil areas, and active portions of the construction site, including unpaved on-site roadways, shall be treated to prevent fugitive dust. Treatment shall include, but not necessarily be limited to, periodic watering, application of environmentally-safe soil stabilization materials, and/or roll-compaction as appropriate. Watering shall be done as often as necessary and reclaimed water shall be used whenever possible. 4. Graded and/or excavated inactive areas of the construction site shall be monitored by (indicate by whom) at least weekly for dust stabilization. Soil stabilization methods, such as water and roll-compaction, and environmentally-safe dust control materials, shall be periodically applied to portions of the construction site that are inactive for over four days. If no further grading or excavation operations are planned for the area, the area should be seeded and watered until grass growth is evident, or periodically treated with environmentally-safe dust suppressants, to prevent excessive fugitive dust.[2] 5. Signs shall be posted on-site limiting traffic to 15 miles per hour or less.[3] 6. During periods of high winds (i.e., wind speed sufficient to cause fugitive dust to impact adjacent properties), all clearing, grading, earth moving, and excavation operations shall be curtailed to the degree necessary to prevent fugitive dust created by on-site			

[2] SCE did not/may not always undertake soil stabilization activities in areas that were/are inactive for more than four days due to prohibition of construction activities to protect nesting birds.
[3] SCE did/will not post speed limit signs along the access roads; the design of the roads are not conducive to travel above 15 mph by the types of vehicles used during past construction activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Air Quality (cont.)				
***Air Quality and Fugitive Dust* (cont.)**	activities and operations from being a nuisance or hazard, either off site or on-site. The site superintendent/supervisor shall use his/her discretion in conjunction with the APCD in determining when winds are excessive. 7. Adjacent streets and roads shall be swept at least once per day, preferably at the end of the day, if visible soil material is carried over to adjacent streets and roads. 8. Personnel involved in grading operations, including contractors and subcontractors, should be advised to wear respiratory protection in accordance with California Division of Occupational Safety and Health regulations.			
Impact 5.3-1: Construction activities would generate exhaust emissions that could contribute substantially to a violation of an air quality standard**.**	**Mitigation Measure 5.3-1:** For diesel-fueled off-road construction equipment of more than 50 horsepower, SCE shall make a good faith effort to use available construction equipment that meets the highest USEPA-certified tiered emission standards. An Exhaust Emissions Control Plan that identifies each off-road unit's certified tier specification and Best Available Control Technology (BACT) shall be submitted to the CPUC for review and approval at least 30 days prior to commencement of construction activities. Construction activities cannot commence until the plan has been approved. For all pieces of equipment that would not meet Tier 3 emission standards, the Exhaust Emissions Control Plan shall include documentation from two local heavy construction equipment rental companies that indicates that the companies do not have access to higher-tiered equipment for the given class of equipment.	SCE and its contractors to implement measure as defined.	SCE to submit a copy of the Exhaust Emissions Control Plan to CPUC for review and approval.	At least 30 days prior to commencement of construction activities.
Impact 5.3-2: Construction activities would generate fugitive dust emissions that could contribute substantially to an existing or projected air quality violation.	**Mitigation Measure 5.3-2:** SCE shall reduce construction-related fugitive dust emissions by implementing the following VCAPCD dust control measures. SCE shall require all contractors to comply with the following requirements:	SCE and its contractors to implement measure as defined.	CPUC mitigation monitor to monitor compliance.	Prior to commencement of construction activities, and during all phases of construction activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Air Quality (cont.)				
Impact 5.3-2 (cont.)	1. The area disturbed by clearing, grading, earth moving, or excavation operations shall be minimized to prevent excessive amounts of dust. 2. Pre-grading/excavation activities shall include watering the area to be graded or excavated before commencement of grading or excavation operations. Application of water (preferably reclaimed, if available) should penetrate sufficiently to minimize fugitive dust during grading activities. 3. Fugitive dust produced during grading, excavation, and construction activities shall be controlled by the following activities: a. All trucks shall be required to cover their loads as required by California Vehicle Code Section 23114. b. All graded and excavated material, exposed soil areas, and active portions of the construction site, including unpaved on-site roadways, shall be treated to prevent fugitive dust. Treatment shall include, but not necessarily be limited to, periodic watering, application of environmentally-safe soil stabilization materials, and/or roll-compaction as appropriate. Watering shall be done as often as necessary and reclaimed water shall be used whenever possible. 4. Graded and/or excavated inactive areas of the construction site shall be monitored by SCE's mitigation monitor at least weekly for dust stabilization. Soil stabilization methods, such as water and roll-compaction, and environmentally-safe dust control materials, shall be periodically applied to portions of the construction site that are inactive for over 4 days as long as there are no prohibitions of construction activities in the area to protect nesting birds. If no further grading or excavation operations are planned for the area, the area should be seeded and watered until grass growth is evident, or periodically treated with environmentally-safe dust suppressants, to prevent excessive fugitive dust.			

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Air Quality (cont.)				
Impact 5.3-2 (cont.)	5. All traffic on dirt access roads shall be limited to a speed of 15 miles per hour or less. 6. During periods of high winds (i.e., wind speed sufficient to cause fugitive dust to impact adjacent properties), all clearing, grading, earth moving, and excavation operations shall be curtailed to the degree necessary to prevent fugitive dust created by on-site activities and operations from being a nuisance or hazard, either off-site or on-site. The site superintendent/supervisor shall use his/her discretion in conjunction with the APCD in determining when winds are excessive. 7. Adjacent streets and roads shall be swept at least once per day, preferably at the end of the day, if visible soil material is carried over to adjacent streets and roads. 8. Personnel involved in grading operations, including contractors and subcontractors, should be advised to wear respiratory protection in accordance with California Division of Occupational Safety and Health regulations.			
Impact 5.3-4: Construction activities would result in emissions of NO_x that would be cumulatively considerable.	Implement Mitigation Measures 5.3-1 (Construction Equipment NO_x Reductions) and 5.3-2 (Fugitive Dust Mitigation Plan).	See Mitigation Measures 5.3-1 and 5.3-2.	See Mitigation Measures 5.3-1 and 5.3-2.	See Mitigation Measures 5.3-1 and 5.3-2.
Cumulative Air Quality Impact: Construction activities would result in emissions of NO_x that would be cumulatively considerable.	Implement Mitigation Measures 5.3-1 (Construction Equipment NO_x Reductions) and 5.3-2 (Fugitive Dust Mitigation Plan).	See Mitigation Measures 5.3-1 and 5.3-2.	See Mitigation Measures 5.3-1 and 5.3-2.	See Mitigation Measures 5.3-1 and 5.3-2.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources				
Biological Resources: General	**APM BIO-1: General.** • Where wood subtransmission poles have been replaced with LWS poles during past construction activities, the previously-installed poles would be retrofitted to be avian-safe with newly available equipment and consistent with the *Suggested Practices for Avian Protection on Power Lines: the State of the Art in 2006* (Avian Power Line Interaction Committee, 2006). • During future construction activities, newly-installed LWS poles would be designed to be avian-safe with newly available equipment and consistent with the *Suggested Practices for Avian Protection on Power Lines: the State of the Art in 2006* (Avian Power Line Interaction Committee, 2006). • Clearance surveys, including avian species, will be conducted no more than 30 days prior to the start of construction in a particular area to identify potential plant and animal species that could be present during construction activities. Clearance surveys will be conducted by a qualified botanist and wildlife biologist and will be limited to areas directly impacted by construction activities. • A qualified biologist will be present during clearing and restoration activities to ensure that native habitat (coastal sage scrub) removal will be minimized. • Restoration activities in disturbed areas of native habitat (coastal sage scrub) will continue to be implemented in accordance the CDFW SAA and HRMP requirements, as applicable. • Implement Worker Environmental Awareness Training (See [PEA] Section 3.9.7). • Surveys for protected trees will be conducted by a certified arborist to identify trees meeting regulatory protection standards. When applicable, the proper permit will be obtained for trimming and/or removal of protected trees.	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to inspect compliance.	Prior to commencement of construction activities, and during all phases of construction activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Special Status Plants	**APM BIO-2: Special Status Plants.** • Focused surveys for Lyon's pentachaeta and Conejo dudleya to be conducted no more than 30 days prior to start of construction in areas with potentially suitable habitat.[4] • Areas supporting Lyon's pentachaeta will be flagged prior to project activities by a qualified biologist and avoided during construction. In addition, a biological monitor will be present during project activities occurring within the vicinity of these resources to ensure that no sensitive species will be impacted.[5] • Areas supporting Conejo dudleya will be flagged prior to project activities by a qualified biologist and avoided during construction. In addition, a biological monitor will be present during project activities occurring within the vicinity of these resources to ensure that no sensitive species will be impacted.[6] • When digging holes for pole replacements within Lyon's pentachaeta critical habitat the upper six (6) inches of topsoil will be salvaged/stockpiled within Lyon's pentachaeta critical habitat in order to maintain the native seed bank. The topsoil will be stored on a protective surface (such as a tarp), piled no more than three feet high, and was replaced (within two weeks) as the top layer when ground disturbing work was completed.[7] • Where applicable, disturbed areas within Lyon's pentachaeta habitat will continue to be restored in accordance with the CDFW SAA and HRMP requirements.[8]	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to inspect compliance.	Prior to commencement of construction activities, and during all phases of construction activities.

4 August 30, 2010 letter from SCE to Ms. Diane K. Noda, Field Supervisor, Ventura Fish and Wildlife Office in [PEA] Appendix F.
5 *Ibid*.
6 *Op cit.* 6
7 *Op cit.* 6
8 February 16, 2010 California Department of Fish and Wildlife Streambed Alteration Agreement for the Moorpark Newbury Park 66kV Line Area Notification #1600-2011 0325-R5 Revision 2; contained in [PEA] Appendix F.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Special Status Birds	**APM BIO-3: Special Status Birds.**[9] • Focused protocol surveys to be conducted prior to construction for the coastal California gnatcatcher (Polioptila californica californica). • During the breeding season (February 15 through August 30), a protocol survey for the coastal California gnatcatcher will be conducted prior to construction by a wildlife biologist possessing a valid recovery permit from the USFWS for the coastal California gnatcatcher. • If project activities occur during the breeding season (February 15 through August 30), a 500-foot buffer will be established around coastal California gnatcatcher nest sites, and this area will be avoided until the young fledged or until the birds abandoned the nest. • No grading of habitat occupied by nesting coastal California gnatcatchers (including a 500-foot buffer area in all direction from the nest) will occur during the breeding season (February 15 through August 30). • Project activities that will occur within 500 feet of a mapped coastal California gnatcatcher territory will be monitored by a qualified biologist who possesses a valid recovery permit for the species.	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to inspect compliance.	Prior to commencement of construction activities, and during all phases of construction activities.
Nesting Bird Protection	**APM BIO-4: Nesting Bird Protection.** SCE will develop and implement a project-specific nesting bird management plan (the plan) addressing nesting birds in collaboration with the CDFW and USFWS as needed. The plan would be an adaptive management plan to be updated as needed improvements are identified or conditions in the field change. Conditions typically implemented in this plan would include: nest management and avoidance, field approach (survey methodology, reporting, and monitoring), and the Project avian biologist qualifications. The avian biologist would be	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to inspect compliance.	Prior to commencement of construction activities, and during all phases of construction activities.

9 *Op cit.* 6

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
***Nesting Bird Protection* (cont.)**	responsible for oversight of the avian protection activities including the biological monitors. In order to minimize impacts to nesting birds (common or special status), ongoing preconstruction surveys and daily sweep surveys of active construction areas by a qualified biologist would focus on breeding behavior and a search for active nests, as defined by CDFW and USFWS, within 500 feet of the Project. At a minimum, the plan would include the following: • For vegetation clearing that needs to occur during the typical nesting bird season (February 1 to August 31; as early as January 1 for raptors) qualified biologists would conduct nesting bird surveys. If an active nest were located, the appropriate avoidance and minimization measures from the management plan would be implemented. If active nest removal is required, SCE would consult with CDFW and USFWS; • During the typical nesting bird season, SCE would conduct preconstruction clearance surveys no more than 14 days prior to construction and in accordance with the adaptive management plan, to determine the location of nesting birds and territories. Preconstruction sweeps would be conducted within 3 days before construction begins at a given project location; • Nest monitoring would be conducted by Project biological monitors with knowledge of bird behavior; • Nesting deterrents (e.g., mooring balls, netting, etc.) would be used for inactive nests at the direction of the Project avian biologist in consultation with CDFW and USFWS; • A Project avian biologist would determine the appropriate buffer area around active nest(s) and provisions for buffer exclusion areas (e.g., highways, public access roads, etc.) along with construction activity limits. The Project avian biologist would determine, evaluate, and modify buffers as appropriate based on species tolerance and behavior, the potential disruptiveness of construction activities, and surrounding conditions; and,			

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
***Nesting Bird Protection* (cont.)**	The Project biological monitor would ensure implementation of appropriate buffer areas around active nest(s) during project activities. The active nest site and applicable buffer would remain in place until nesting activity concluded. Nesting bird status reports would be submitted according to the management plan.			
Biological Resources Impacts	**APM WET-1: Worker Environmental Awareness Training.** Prior to the start of past construction activities, a Worker Environmental Awareness Plan (WEAP) was developed. A presentation was prepared by SCE and used to train site personnel prior to the commencement of work. A record of all trained personnel was kept. This process would be repeated prior to and during the future construction activities. The WEAP training included a list of phone numbers of SCE environmental specialist personnel associated with the Project (archaeologist, biologist, environmental compliance coordinator, and regional spill response coordinator), and covered the following topics: • Archaeological Resources Training - An Environmentally Sensitive Area (ESA) has been physically delineated and marked to protect an archaeological resource - All work and equipment staging, storing, and placement shall remain outside the ESA - The Project has implemented procedures to follow if unanticipated archaeological resources are discovered, including: ▪ If archaeological resources are discovered during construction activities, all work in the vicinity of the find shall halt ▪ The archaeological monitor shall be informed ▪ The archaeological monitor shall notify the project foreman and SCE archaeologist immediately	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to inspect compliance.	Prior to commencement of construction activities, and during all phases of construction activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Biological Resources Impacts **(cont.)**	▪ Archaeological monitors have the authority to temporarily halt work in the area of archaeological discoveries until the resource has been evaluated by a qualified archaeologist ▪ Work in the area of the discovery shall not resume until written notification is received from the SCE archaeologist - The SCE archaeologist will provide an estimate of how long an excavation of the resource would take - The Project has established procedures to follow if human remains are encountered. If human remains are encountered during earth-disturbing activities, State Health and Safety Code Section 7050.5 states that there "shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains until the coroner of the county in which the human remains are discovered [has made the appropriate assessment and] the recommendations concerning the treatment and disposition of the human remains has been made to the person responsible for the excavation, or to his or her authorized representative, in the manner provided in Section 5097.98 of the Public Resources Code." • Biological Resources Training. Workers were informed of general and Project-specific biological impact reduction measures, including: - Keep vehicles on existing roads and pads - Avoid impacts to drainages - Minimize clearing of vegetation - Avoid trapping animals by covering trenches/holes at the end of each day - Workers informed of requirements and actions under Migratory Bird Treaty Act			

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Biological Resources Impacts **(cont.)**	- Workers informed of protected plant and wildlife species that may be found in the Project Area, where they have been identified during past surveys, and protection measures that may be implemented • SWPPP Training - Background on the regulatory climate - Education on individual and corporate responsibilities under the Clean Water Act - Presentation of activities covered under the Construction General Permit, and requirements of the Construction General Permit - Develop and implement a SWPPP - Eliminate or control non-stormwater - Visual inspections - Identification of SWPPP requirements - Daily inspection checklist - Maps - BMPs - Presentation on spill prevention and control, and spill notification procedures - Identification of common stormwater violations - Education on how to identify problems and devise solutions - Instruction on the importance of maintaining the construction site. All trash must be removed from the job sites daily, and all construction debris shall be removed at the end of construction - Instructions to notify the foreman and regional spill response coordinator in case of a hazardous materials spill or leak from equipment, or upon the discovery of soil or groundwater contamination			

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
***Biological Resources Impacts* (cont.)**	- Instruction that noncompliance with any laws, rules, regulations, or mitigation measures could result in being barred from participating in any remaining construction activities associated with the Project			
Impact 5.4-1: Construction activities could result in adverse impacts to rare plants.	**Mitigation Measure 5.4-1a:** Areas of future ground disturbance shall be surveyed for rare plants, including Plummer's mariposa lily, white rabbit tobacco, and chaparral ragwort, in accordance with CDFW's 2009 *Protocols for Surveying and Evaluating Impacts to Special-Status Native Plant Populations and Natural Communities,* unless otherwise agreed to by CDFW. If no rare plants are encountered, no further mitigation is required. If rare plants are found, the applicant proposed measures related to special-status plants shall be implemented for any identified CRPR Rank 1 or Rank 2 species. **Mitigation Measure 5.4-1b:** To reduce the potential for introduction or spread of invasive weeds in sensitive habitats during ground-disturbing activities, SCE shall prepare and implement a Weed Control Plan. The Weed Control Plan shall address the following: 1) A pre-construction weed inventory to be conducted by surveying all areas subject to ground-disturbing activity, including, but not limited to, pole installation sites and construction areas, tower removal sites, pulling and tensioning sites, guard structures, and areas subject to grading for new or improved access and spur roads. 2) During construction of the Project, implement measures to control the introduction and spread of noxious weeds in the Project work area. These shall include: a. washing vehicles (including wheels, undercarriages, and bumpers) at existing construction yards, commercial car washes, or similar suitable sites prior to commencing work in off-road areas; b. washing tools such as chainsaws, hand clippers, pruners, etc., prior to use in off-road areas;	SCE and its contractors to implement measure as defined.	CPUC mitigation monitor to monitor compliance. Biological surveys will be conducted using CDFW's 2009 *Protocols for Surveying and Evaluating Impacts to Special-Status Native Plant Populations and Natural Communities.* A Weed Control Plan will be submitted to the CPUC for approval.	During all phases of construction activities. Prior to commencement of ground disturbance activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Impact 5.4-1 (cont.)	c. ensuring that all seeds and erosion-control materials used in off-road areas are weed-free, and any imported gravel or fill material are certified weed free by the county Agriculture Commissioners' Offices before use; and d. during Proposed Project operation and maintenance activities, clearing invasive weeds from helicopter landing areas, assembly and laydown areas, spur and access roads, staging areas, and other weed-infested areas; and disposing of weeds in appropriate off-site locations.			
Impact 5.4-2: Construction activities could result in adverse impacts to special-status reptiles.	**Mitigation Measure 5.4-2:** Within areas that provide potentially suitable habitat for special-status reptiles, SCE and/or its contractors shall perform preconstruction surveys within 24 hours of initial ground disturbance to identify the potential presence of western pond turtle, coast horned lizard, silvery legless lizard, two-striped garter snake, and South Coast garter snake within work areas. If any of these species are identified during surveys of the immediate construction area footprint, individuals shall be relocated from work areas by an individual who is authorized by CDFW to undertake species relocation. A suitable relocation area shall be identified and confirmed in advance with CDFW prior to preconstruction surveys.	SCE and its contractors to implement measure as defined.	CPUC mitigation monitor to monitor compliance.	Within 24 hours of initial ground disturbance activities.
Impact 5.4-5: Construction could impact native grassland and sage scrub vegetation communities.	**Mitigation Measure 5.4-5:** Revegetation of native habitat areas will follow the prescriptions identified in the 2012 revegetation plan prepared by Wildscape Restoration for the Proposed Project, included as PEA Appendix F5, *Habitat Restoration and Monitoring Plan.* The revegetation plan, which was subject to CDFW review and approval, proposes the use of native revegetation for temporary impacts created by the Proposed Project. Implementation of the plan in disturbed areas will ensure that the functions and values of the disturbed habitat are restored by protecting and restoring soil conditions, restoring topography and topsoil following construction, using local native plants, and controlling aggressive non-native plant species.	SCE and its contractors to implement measure as defined.	CPUC mitigation monitor to monitor compliance.	During revegetation activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Cultural Resources				
Cultural and Paleontological Resources	**APM CUL-1: Cultural and Paleontological Resources.** A cultural resources survey of the Project area was conducted prior to past construction activities. Additionally, a number of physical protection and impact avoidance measures were implemented prior to, and during, past construction activities. These activities would also be implemented prior to, and during, future construction activities: • Physically isolate within an Environmentally Sensitive Area (ESA) one cultural resource discovered during previous surveys. The ESA is an area in which construction activities are prohibited, and from which construction workers are excluded. • Utilize an archaeological monitor on site during ground disturbing activity in the vicinity of identified archaeological resources. • Conduct a preconstruction meeting to orient construction crews to sensitive areas prior to any ground disturbing activity within the vicinity of identified archaeological resources. • Should cultural material that may yield sensitive information be uncovered during construction, then all work within a 15-meter radius of the discovery will be halted until the find is evaluated by a qualified archaeologist. In the case of unearthing human remains during excavation, no further disturbance occurs until the County Coroner makes the necessary findings as to origin and distribution, pursuant to Public Resources Code Section 5097.98. (No cultural material or human remains were uncovered during past construction activities.) • If construction is halted because of an archaeological discovery, no work begins within that area until written notification from a qualified archaeologist is given to the Project Manager or construction foreman.	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to inspect compliance.	Prior to commencement of construction activities, and during all phases of construction activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Cultural Resources (cont.)				
Unanticipated Cultural Discoveries	**APM CUL-2: Unanticipated Discoveries.** If previously unidentified cultural resources are discovered during construction, personnel would suspend work in the vicinity of the find. The resource would then be evaluated for listing in the California Register of Historical Resources (CRHR) by a qualified archaeologist, and, if the resource is determined to be eligible for listing in the CRHR, the resource would either be avoided or appropriate archaeological protective measures would be implemented. If human skeletal remains are uncovered during Project construction, SCE and/or its contractors shall immediately halt all work in the immediate area, contact the applicable County Coroner to evaluate the remains, and follow the procedures and protocols set forth in Section 15064.5 (e)(1) of the CEQA Guidelines. Per Health and Safety Code Section 7050.5, upon the discovery of human remains, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains. If the applicable County Coroner determines that the remains are Native American, it is anticipated that the coroner would contact the Native American Heritage Commission in accordance with Health and Safety Code Section 7050.5(c) and Public Resources Code Section 5097.98 (as amended by AB 2641). In addition, SCE shall ensure that the immediate vicinity where the Native American human remains are located is not damaged or disturbed by further development activity until SCE has discussed and conferred, as prescribed in Public Resource Code Section 5097.98, with the most likely descendants regarding their recommendations.	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to inspect compliance.	Prior to commencement of construction activities, and during all phases of construction activities.
Cultural Resources Impacts	**Implement APM WET-1**: Worker Environmental Awareness Training.	See APM WET-1.	See APM WET-1.	See APM WET-1.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Cultural Resources (cont.)				
Paleontological Resources Protection	**APM CUL-3: Paleontological Resources Protection.** To protect paleontological resources, SCE would implement procedures including, but not limited to: preconstruction coordination; recommended monitoring methods; emergency discovery procedures; sampling and data recovery methods, if needed; museum storage coordination for any specimens and data recovered; and reporting requirements.	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to inspect compliance.	Prior to commencement of construction activities, and during all phases of construction activities.
Impact 5.5-1: Construction activities and operation could cause an adverse change in the significance of a historical resource [inclusive of archaeological resources] which is either listed or eligible for listing on the National Register of Historic Places, the California Register of Historical Resources, or a local register of historic resources	**Mitigation Measure 5.5-1a**: SCE and/or its contractors shall retain a qualified archaeologist, defined as an archaeologist meeting the Secretary of the Interior's Standards for professional archaeology (U.S. Department of the Interior, 2014), to carry out all mitigation measures related to archaeological resources. **Mitigation Measure 5.5-1b:** Prior to the commencement of construction activities and in coordination with the qualified archaeologist, the construction zone shall be narrowed or otherwise altered to avoid impacts to resource P-56-001797. In coordination with the qualified archaeologist, avoidance shall be ensured by the delineation of an Environmentally Sensitive Area around the site. Protective fencing or other markers shall be erected around the Environmentally Sensitive Area prior to any ground disturbing activities; however, the Environmentally Sensitive Area shall not be identified specifically as an archaeological site, in order to protect sensitive information and to discourage unauthorized disturbance or collection of artifacts. If avoidance of site P-56-001797 is demonstrated to be infeasible, prior to the issuance of any grading or building permits, a detailed Cultural Resources Treatment Plan shall be prepared and implemented by a qualified archaeologist. The Cultural Resources Treatment Plan shall include a research design and a scope of work for data recovery of the portion(s) of the resource to be impacted by construction activities. Treatment may consist of (but would not be limited to): a sufficient avoidance buffer to protect the resource until data recovery and/or removal is completed; sample excavation; surface artifact collection; site	SCE and its contractors to implement measure as defined.	SCE to submit resume of qualified archaeologist to CPUC. CPUC mitigation monitor to inspect compliance. Submit Cultural Resources Treatment Plan shall be submitted to the CPUC for approval.	Prior to commencement of construction activities. During all phases of construction activities. Prior to the commencement of construction.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Cultural Resources (cont.)				
Impact 5.5-1 (cont.)	documentation; and historical research, with the aim to target the recovery of important scientific data contained in the portion of the significant resource to be impacted. The Cultural Resources Treatment Plan shall include provisions for analysis of data in a regional context, reporting of results within a timely manner, and curation of artifacts and data at an approved facility. The reports documenting the implementation of the Cultural Resources Treatment Plan shall be submitted to and approved by the CPUC prior to the commencement of construction activities, and shall also be submitted to the South Central Coastal Information Center. Prior to the commencement of the operation and maintenance phase, the qualified archaeologist, in coordination with SCE, shall develop a long-term cultural resources management plan for archaeological site P-56-001797 in order to minimize future impacts during project operation and maintenance. **Mitigation Measure 5.5-1c:** Prior to commencement of construction activities, an archaeological monitor shall be retained by SCE and/or its contractors to monitor all ground-disturbing activities, including grading, excavation, vegetation clearance and grubbing, within 50 feet of archaeological site P-56-001797. The monitor shall be, or shall work under the supervision of, a qualified archaeologist. In the event that cultural resources are unearthed during ground-disturbing activities, the archaeological monitor shall be empowered to halt or redirect ground-disturbing activities away from the vicinity of the find so that the find can be evaluated. Evaluation of resources shall follow the procedures set forth in Mitigation Measure 5.5-1d. **Mitigation Measure 5.5-1d:** If archaeological resources are encountered during construction, SCE and/or its contractors shall cease all activity within 100 feet of the find until the find can be evaluated by a qualified archaeologist. Per California Environmental Quality Act Guidelines Section 15126.4(b)(3), project redesign and preservation in place shall be the preferred means to		SCE shall develop a long-term cultural resources management plan for archaeological site P-56-001797. Archaeological monitor shall be retained by SCE and/or its contractors to monitor all ground-disturbing activities, including grading, excavation, vegetation clearance and grubbing, within 50 feet of archaeological site P-56-001797. Qualified archaeologist shall consult with appropriate Native American representatives in determining appropriate treatment for unearthed cultural resources (if encountered).	Prior to the commencement of the operation and maintenance phase. Prior to commencement of construction activities. During all construction activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Cultural Resources (cont.)				
Impact 5.5-1 (cont.)	avoid impacts to significant historical resources. Consistent with California Environmental Quality Act Guidelines Section 15126.4(b)(3)(C), if it is demonstrated that resources cannot be avoided, the qualified archaeologist shall develop additional treatment measures in consultation with the CPUC, which may include data recovery or other appropriate measures. The qualified archaeologist shall consult with appropriate Native American representatives in determining appropriate treatment for unearthed cultural resources if the resources are prehistoric or Native American in nature. Archaeological materials recovered during any investigation shall be curated at an accredited curational facility. Work may proceed on other parts of the alignment while treatment is being carried out. The qualified archaeologist shall prepare a report documenting evaluation and/or additional treatment of the resource, which shall be submitted to the CPUC and South Central Coastal Information Center.			
Impact 5.5-2: Construction activities could adversely impact a unique archaeological resource.	Implement Mitigation Measures 5.5-1c and 5.5-1d.	See Mitigation Measures 5.5-1c and 5.5-1d.	See Mitigation Measures 5.5-1c and 5.5-1d.	See Mitigation Measures 5.5-1c and 5.5-1d.
Impact 5.5-3: Excavation could directly or indirectly destroy a unique paleontological resource.	**Mitigation Measure 5.5-3:** SCE will hire a qualified paleontologist, as defined by Society of Vertebrate Paleontology guidelines, to monitor excavation activities located in Quaternary alluvium. If the monitor or construction crews discover fossils or fossil-like material during excavation and earth-moving operations, all earthwork and other types of ground disturbance within 50 feet of the find shall stop immediately until the qualified paleontologist can assess the nature and importance of the find. Based on the scientific value or uniqueness of the find, the qualified paleontologist may record the find and allow work to continue, or recommend salvage and recovery of the fossil. The paleontologist may also propose modifications to the stop-work radius based on the nature of the find, site geology, and activities occurring on the site. If treatment and salvage is required, recommendations will be consistent with Society of Vertebrate Paleontology guidelines (SVP, 1995) and currently accepted scientific	SCE and its contractors to implement measure as defined.	SCE to submit resume of paleontologist and copy of paleontological assessment to CPUC. CPUC mitigation monitor to inspect compliance.	Prior to commencement of and during construction activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Cultural Resources (cont.)				
Impact 5.5-3 (cont.)	practice. If required, treatment for fossil remains may include preparation and recovery of fossil materials so that they can be housed in an appropriate museum or university collection, and may also include preparation of a report describing the finds. SCE and/or its contractor will be responsible for ensuring that treatment is implemented. If no report is required, SCE and/or its contractor will nonetheless ensure that information on the nature, location, and depth of all finds is readily available to the scientific community through university curation or other appropriate means.			
Energy Conservation				
No mitigation required.				
Geology and Soils				
Geotechnical Design Considerations	**APM GEO-1: Geotechnical Design Considerations.** A geotechnical data report was prepared for the Project prior to the beginning of construction. The investigation included a total of fourteen (14) soil and rock core borings to collect samples for laboratory testing and analyses and to evaluate the subsurface soil and bedrock conditions. The results of the investigation were utilized to identify the geologic setting and engineering properties of soil and bedrock underlying the ROW, as well as to provide recommendations for the design of foundations for the subtransmission line structures. A geotechnical investigation for the installation of TSPs at the Newbury Substation property would be performed prior to future construction activities at this location. Based on the findings of the past and future geotechnical analyses, SCE did and would design Project components to minimize the potential for impacts from landslides, lateral spreading, subsidence, liquefaction, or collapse. Measures that have been, or may be, used to minimize impacts could include, but are not limited to avoidance of highly unstable areas and construction of pile foundations. Additionally, subtransmission poles are designed consistent with CPUC General Order 95, *Rules for Overhead Line Construction*.	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to inspect compliance.	Prior to commencement of construction activities, and during all phases of construction activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Greenhouse Gas Emissions				
No mitigation required.				
Hazards and Hazardous Materials				
Hazardous Materials Impacts	**Implement APM WET-1**: Worker Environmental Awareness Training.	See APM WET-1.	See APM WET-1.	See APM WET-1.
Impact 5.9-1: Construction would require the use of hazardous materials that could pose a potential hazard to the public or the environment if improperly used or inadvertently released.	**Mitigation Measure 5.9-1a:** SCE and/or its contractors shall implement construction best management practices including but not limited to the following: • Follow manufacturer's recommendations on use, storage, and disposal of chemical products used in construction; • Avoid overtopping construction equipment fuel gas tanks; • Use tarps and adsorbent pads under vehicles when refueling to contain and capture any spilled fuel; • During routine maintenance of construction equipment, properly contain and remove grease and oils; and Properly dispose of discarded containers of fuels and other chemicals. **Mitigation Measure 5.9-1b:** SCE shall prepare a Hazardous Substance Control and Emergency Response Plan (Plan) and implement it during construction to ensure compliance with all applicable federal, state, and local laws and guidelines regarding the handling of hazardous materials. The Plan shall prescribe hazardous material handling procedures to reduce the potential for a spill during construction, or exposure of the workers or public to hazardous materials. The Plan shall also include a discussion of appropriate response actions in the event that hazardous materials are released or encountered during excavation activities. The Plan shall be submitted to the CPUC for review and approval prior to the commencement of construction activities.	SCE and its contractors to implement measure as defined.	CPUC mitigation monitor to inspect compliance. SCE to submit the following plans to the CPUC for approval: Hazardous Substance Control and Emergency Response Plan (Plan); Health and Safety Plan; Workers Environmental Awareness Plan.	During all construction activities. Prior to commencement of construction activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Hazards and Hazardous Materials (cont.)				
Impact 5.9-1 (cont.)	**Mitigation Measure 5.9-1c:** SCE shall prepare and implement a Health and Safety Plan to ensure the health and safety of construction workers and the public during construction. The plan shall include information on the appropriate personal protective equipment to be used during construction. **Mitigation Measure 5.9-1d:** SCE shall ensure that oil-absorbent material, tarps, and storage drums shall be used to contain and control any minor releases. Emergency spill supplies and equipment shall be kept at the project staging area and adjacent to all areas of work, and shall be clearly marked. Detailed information for responding to accidental spills and for handling any resulting hazardous materials shall be provided in the project's Hazardous Substance Control and Emergency Response Plan (see Mitigation Measure 5.9-1b), which shall be implemented during construction. **Mitigation Measure 5.9-1e:** SCE shall ensure that the Workers Environmental Awareness Plan includes training on site-specific physical conditions to improve hazard materials release prevention and include a review of the Health and Safety Plan and the Hazardous Substance Control and Emergency Response Plan. The CPUC mitigation monitor shall attend the first program. SCE shall submit documentation to the CPUC prior to the commencement of construction activities that each worker on the project has undergone this training program.			
Impact 5.9-3: Construction activities could release previously unidentified hazardous materials in the environment.	**Mitigation Measure 5.9-3:** SCE's Hazardous Substance Control and Emergency Response Plan (Mitigation Measure 5.9-1b) shall include provisions that would be implemented if any subsurface hazardous materials are encountered during construction. Provisions outlined in the plan shall include immediately stopping work in the contaminated area and contacting appropriate resource agencies, including the CPUC designated monitor, upon discovery of subsurface hazardous materials. The plan shall include the phone numbers of county and state agencies and primary, secondary, and final cleanup procedures. The Hazardous Substance Control and Emergency Response Plan shall be submitted to the CPUC for review and approval prior to the commencement of construction activities.	SCE and its contractors to implement measure as defined.	SCE to submit Hazardous Substance Control and Emergency Response Plan to CPUC for review and approval. CPUC mitigation monitor to inspect compliance.	Prior to commencement of construction activities. During all construction activities

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Hazards and Hazardous Materials (cont.)				
Impact 5.9-6: Construction-related activities could ignite dry vegetation and start a fire.	**Mitigation Measure 5.9-6:** SCE and/or its contractors shall prepare and implement a Health and Safety/Fire Safety Plan to ensure the health and safety of construction workers and the public. The Ventura County Fire Department (VCFD) shall be consulted during plan preparation and include health and safety/fire safety measures recommended by this agency. The plan shall list fire prevention procedures and specific emergency response and evacuation measures that would be required to be followed during emergency situations. The plan shall include, but not be limited to, the following: • SCE and/or its contractors shall have water tanks and/or water trucks sited/available in the Proposed Project area for fire protection. • All construction vehicles shall have fire suppression equipment. • All construction workers shall receive training on the proper use of fire-fighting equipment and procedures to be followed in the event of a fire. • As construction may occur simultaneously at several locations, each construction site shall be equipped with fire extinguishers and fire-fighting equipment sufficient to extinguish small fires. • Construction personnel shall be required to park vehicles away from dry vegetation. • Prior to construction, SCE shall contact and coordinate with the VCFD to determine the appropriate amounts of fire equipment to be carried on the vehicles and appropriate locations for the water tanks if water trucks are not used. SCE shall submit verification of its consultation with CalFire and the local fire departments to the CPUC. The plan shall be submitted to CPUC staff for approval prior to commencement of construction activities and shall be distributed to all construction crew members prior to construction of the Proposed Project	SCE and its contractors to implement measure as defined.	SCE to submit Health and Safety/Fire Safety Plan to CPUC for review and approval. CPUC mitigation monitor to inspect compliance.	Prior to construction activities. During all construction activities

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Hydrology and Water Quality				
Impact 5.10-1: Construction, operation, and maintenance activities could result in increased erosion and sedimentation and/or pollutant (e.g., fuels and lubricants) loading to surface waters, which could increase turbidity, suspended solids, settleable solids, or otherwise degrade water quality.	**Mitigation Measure 5.10-1:** For all improved or rehabilitated access roads that would be within 300 feet of an existing surface water channel (i.e., one that has a distinct bed and banks, including irrigation ditches where no berm/levee is currently in place) and traverse a ground slope greater than two percent, the following protective measures shall be adhered to and/or installed: • All access roads shall be out-sloped; • Cross-drains (road surface drainage, e.g., waterbars, rolling dips, or channel drains) shall be installed at intervals based upon the finished road slope: road slope 5 percent or less, cross-drain spacing shall be 150 feet; road slope 6 to 15 percent, cross-drain spacing shall be 100 feet; 16 to 20 percent, cross-drain spacing shall be 75 feet; and 21 to 25 percent, cross-drain spacing shall be 50 feet; and Energy dissipation features (e.g., rock rip-rap, rock-filled containers) shall be installed at all cross-drain outlets.	SCE and its contractors to implement measure as defined.	CPUC mitigation monitor to monitor compliance.	During construction and rehabilitation activities.
Impact 5.10-2: Dewatering during construction activities could release previously contaminated groundwater to surface water bodies and/or increase sediment loading to local surface water channels through overland discharge and subsequent erosion, degrading water quality in receiving surface waters	**Mitigation Measure 5.10-2:** Regarding dewatering activities and discharges, the following measures shall be implemented as part of Proposed Project construction: • If degraded soil or groundwater is encountered during excavation (e.g., there is an obvious sheen, odor, or unnatural color to the soil or groundwater), SCE and/or its contractor shall excavate, segregate, test, and dispose of degraded soil or groundwater in accordance with state hazardous waste disposal requirements. • All dewatering activities shall, where feasible, discharge to the land surface in the vicinity of the particular installation or construction site. The discharges shall be contained, such that the water is allowed to infiltrate back into the soil, and eventually to the groundwater table, and the potential for inducing erosion and subsequent sediment delivery to nearby surface waterways is eliminated. Further, the holding tank or structure shall be protected from the	SCE and its contractors to implement measure as defined.	CPUC mitigation monitor to monitor compliance. SCE shall provide to the CPUC proof of compliance with LARWQCB plans and permits.	During dewatering activities. Prior to the commencement of construction activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Hydrology and Water Quality (cont.)				
Impact 5.10-2 (cont.)	introduction of pollutants including but not limited to oil or fuel contamination from nearby equipment. Concerning such activities, SCE shall apply and comply with the provisions of SWRCB Order 2003-0003-DWQ, including development and submittal of a discharge monitoring plan. • If discharging to a community sewer system is feasible or necessary, SCE shall discharge to a community sewer system that flows to a wastewater treatment plant. Prior to discharging, SCE shall inform the responsible organization or municipality and present them with a description of and plan for the anticipated discharge. SCE shall comply with any specific requirements that the responsible organization or municipality may have. If discharging to surface waters, including to storm drains, would be necessary, SCE shall obtain and comply with the provisions of the LARWQCB Dewatering General Permit. SCE shall perform a reasonable analysis using a representative sample(s) of the groundwater to be discharged; this shall include analyzing the sample(s) for the constituents listed in the LARWQCB Dewatering General Permit, including TDS and nitrate. Further, the sample(s) shall be compared to the screening criteria listed in the LARWQCB Dewatering General Permit and the Basin Plan, and it shall be demonstrated that the discharge would not exceed any of the applicable water quality criteria or objectives. If necessary, SCE shall develop and submit to the LARWQCB a treatment plan and design. SCE shall provide to the CPUC proof of compliance with LARWQCB plans and permits prior to the commencement of construction activities.			
Impact 5.10-3: Construction activities could impact local drainage patterns, or the course of a given stream, resulting in substantial on- or off-site erosion or sedimentation.	Implement Mitigation Measure 5.10-1.	See Mitigation Measure 5.10-1.	See Mitigation Measure 5.10-1.	See Mitigation Measure 5.10-1.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Land Use				
No mitigation required.				
Mineral Resources				
No mitigation required.				
Noise				
Excessive Noise	**APM NOI-1: Noise Reduction.** Noise-generating construction activities were, and would be, conducted generally only during daytime hours (7:00 a.m. to 7:00 p.m.), Monday through Saturday. Construction activities were, and would be, conducted or staggered to ensure that the noise generated during construction would not exceed significance thresholds or durations identified by the County of Ventura noise regulations set forth in the County's Construction Noise Threshold Criteria and Control Plan (2010).	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to inspect compliance.	During all phases of construction activities.
Impact 5.13-1: Construction activities would generate noise levels in unincorporated Ventura County that would exceed Ventura County construction noise threshold criteria.	**Mitigation Measure 5.13-1a:** SCE and/or its contractors shall develop a Construction Noise Reduction Plan. The Plan shall be submitted to the CPUC for review and approval prior to the commencement of construction activities. The Plan shall include, but not be limited to, the following measures for daytime construction activities: • Distribute to the potentially affected community within 650 feet of the Stringing Site north-northeast of Hitch Boulevard and Ventavo Road, and the residence near the Helicopter Land Zone in unincorporated Ventura County, a "hotline" telephone number, which shall be attended during active construction working hours, for use by the public to register complaints. All complaints shall be logged noting date, time, complainants' name, nature of complaint, and any corrective action taken. • All construction equipment shall have intake and exhaust mufflers recommended by the manufacturers thereof, to meet relevant noise limitations. Maintain maximize physical separation, as far as practicable, between noise sources (construction equipment) and noise receptors. Separation may be	SCE and its contractors to implement measures as defined.	SCE to submit Construction Noise Reduction Plan to CPUC for review and approval. CPUC mitigation monitor to monitor compliance. SCE to submit a Nighttime Noise and Nuisance Reduction Strategy plan to CPUC (if necessary).	Prior to commencement of construction activities. During all phases of construction activities. Prior to the commencement of construction activities

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Noise (cont.)				
Impact 5.13-1 (cont.)	achieved by providing enclosures for stationary items of equipment and noise barriers around particularly noisy areas at the construction sites, and by locating stationary equipment to minimize noise impacts on the community. Use construction noise barriers such as paneled noise shields, barriers, or enclosures adjacent to or around noisy equipment associated with conductor stringing north-northeast of Hitch Boulevard and Ventavo Road. Noise control shields shall be made featuring a solid panel and a weather-protected, sound-absorptive material on the construction-activity side of the noise shield. **Mitigation Measure 5.13-1b:** SCE and/or its contractors shall develop a Nighttime Noise and Nuisance Reduction Strategy plan in the event that nighttime construction activity is determined to be necessary within 1,000 feet of sensitive receptors. The plan shall be submitted to the CPUC for review and approval prior to the commencement of construction activities. The strategy shall include a set of site-specific noise attenuation measures that apply state-of-the-art noise reduction technology to ensure that nighttime construction noise levels and associated nuisances are reduced to the extent feasible. The attenuation measures may include, but not be limited to, the control strategies and methods for implementation that are listed below. If any of the following strategies are determined by SCE to not be feasible, an explanation as to why the specific strategy is not feasible shall be included in the plan. • Plan construction activities to minimize the amount of nighttime construction. • Offer temporary relocation of residents within 200 feet of nighttime construction activities. • Temporary noise barriers, such as shields and blankets, shall be installed immediately adjacent to all nighttime stationary noise sources (e.g., auger rigs, generators, compressors, etc.).			

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Noise (cont.)				
Impact 5.13-1 (cont.)	• Install temporary noise barriers that block the line of sight between nighttime activities and the closest residences within 1,000 feet. The notification requirements identified in Mitigation Measure 5.13-1a shall be extended to include residences within 1,000 feet of pending nighttime construction activities.			
Impact 5.13-3: Construction-related nighttime noise levels would substantially increase ambient noise levels in the cities of Moorpark and Thousand Oaks.	Implement Mitigation Measure 5.13-1b.	See Mitigation Measure 5.13-1b.	See Mitigation Measure 5.13-1b.	See Mitigation Measure 5.13-1b.
Population and Housing				
No mitigation required.				
Public Services				
No mitigation required.				
Recreation				
No mitigation required.				
Transportation and Traffic				
Traffic Impacts	**APM TRA-1: Traffic Control.** Construction activities completed within public street ROWs may require the use of a traffic control service, and lane closures conducted in accordance with local ordinances and city permit conditions. Traffic control measures used are consistent with those published in the California Joint Utility Traffic Control Manual (California Inter-Utility Coordinating Committee, 2010) or local jurisdictional requirements. As discussed in Section 4.16, during the past activities, traffic control measures were not needed due to the location and type of work conducted. During future construction activities, SCE would implement.	SCE and its contractors to implement measures as defined.	CPUC mitigation monitor to inspect compliance.	Prior to commencement of construction activities, and during all phases of construction activities.

TABLE 10-1 (Continued)
MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM FOR THE MOORPARK-NEWBURY 66 kV SUBTRANSMISSION LINE PROJECT

Environmental Impact	Applicant Proposed Measures and Mitigation Measures Identified in the EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Transportation and Traffic (cont.)				
Traffic Impacts **(cont.)**	recommendations contained in the CJUTCM, including consulting and coordinating with local jurisdictions, to ensure the safe and efficient transit of vehicles, bicyclists, and pedestrians through laydown/work areas			
Impact 5.17-6: Alternative modes of transportation (public transit, bicycle or pedestrian) could be adversely affected	Implement Mitigation Measures 5.1-2a and 5.1-52b.	See Mitigation Measures 5.1-2a and 5.1-52b.	See Mitigation Measures 5.1-2a and 5.1-52b.	See Mitigation Measures 5.1-2a and 5.1-52b.
Utilities and Service Systems				
No mitigation required.				