6.0 MITIGATION MONITORING, REPORTING, AND COMPLIANCE PROGRAM

6.1 INTRODUCTION AND SUMMARY

This document describes a proposed mitigation monitoring reporting and compliance program (MMRCP) for ensuring the effective implementation of the mitigation measures required for the California Public Utilities Commission (CPUC) approval of the Southern California Edison (SCE) application for the proposed project, which consists of: (i) the construction of a 66/12 kilovolt (kV) substation (Kimball Substation) on an approximately 2-acre site located in the City of Chino; (ii) the modification of approximately 6.7 miles of the Chino-Corona-Pedley 66 kV subtransmission line and construction of two 340-foot underground 66 kV subtransmission lines that will connect Kimball Substation through a tubular steel pole (TSP) riser to an existing 66 kV overhead transmission line; (iii) the addition of a second 66 kV subtransmission line circuit to an approximately 0.9 mile segment of the Archibald-Chino-Corona 66 kV subtransmission line and construction of a new 0.4 mile segment within public street rights-of-way to connect the Chino-Corona-Pedley 66 kV line to the Archibald-Chino-Corona 66 kV line (these modifications would form the new Chino-Cimgen-Kimball 66 kV subtransmission line); (iv) construction of six 12 kV underground circuits extending from the proposed Kimball Substation to the nearest public street; and (v) installation of new fiber optic cable and communication equipment to connect the Kimball Substation to SCE's existing telecommunication system. Within SCE's application, Applicant Proposed Measures (APMs) were proposed to reduce potentially significant adverse impacts related to project construction and operation. All mitigations measures and APMs are presented in Table 6-1 provided at the end of this MMRCP. If the project is approved, the MMRCP should serve as a self-contained general reference for the Mitigation Monitoring Program adopted by the Commission for the project. If and when a project has been approved by the Commission, the CPUC will compile the Final Plan from the Mitigation Monitoring Program in the Final MND, as adopted.

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 MMRCP when it approves a project that is subject to preparation of a Mitigated Negative Declaration and where the MND for the project identifies potentially significant environmental effects. 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 for a Certificate of Public Convenience and Necessity. If the Commission approves the application, it will also adopt a Mitigation Monitoring, Compliance, and Reporting Program that includes the mitigation measures ultimately made a condition of approval by the Commission.

6.2 PROJECT DESCRIPTION

The Kimball Substation Project (proposed project) contains the following components:

- Construction of a new 66/12 kilovolt (kV) substation. The proposed substation would be constructed on an approximately 2-acre site in the City of Chino, California. The proposed substation would be an unmanned, automated, low-profile, 56 megavolt-ampere (MVA) 66/12 kV substation. The proposed substation would include underground distribution circuits leaving the substation, a perimeter wall surrounding the substation equipment with a gate to provide access in and out of the substation, and an access road to the substation from the public road.
- Modification of approximately 6.7 miles of the existing Chino-Corona-Pedley 66 kV subtransmission line and the construction of two new 340-foot long underground circuits to extend the Chino-Corona-Pedley line into the proposed substation. The existing lines to be modified are located in either SCE-owned rights-of-way or public street rights-of-way. Along approximately 5.6 miles of the line, the existing wood poles would be replaced with lightweight steel (LWS) poles and the conductor would be replaced. Along approximately 1.1 miles of the line, the conductor would be replaced on existing LWS poles. These modifications would form the new Chino-Kimball 66 kV subtransmission line.
- Addition of a second circuit to an approximately 0.9 mile segment of the existing Archibald-Chino-Corona 66 kV subtransmission line and construction of a new 0.4 mile segment within public street rights-of-way to connect the Chino-Corona-Pedley 66 kV line to the Archibald-Chino-Corona 66 kV line. These modifications would form the new Chino-Cimgen-Kimball 66 kV subtransmission line.
- Construction of six 12 kV underground circuits extending from the proposed substation to the nearest public street.
- Installation of new fiber-optic cable and communication equipment to connect the proposed Kimball Substation to SCE's existing telecommunication system.

Because the CPUC must decide whether or not to approve the SCE application and because the application may cause either direct or reasonably foreseeable indirect effects on the environment, the California Environmental Quality Act (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 substation and transmission lines, SCE would be responsible for implementation of any mitigation measures governing both construction and future operation of the transmission line and substations. Though other state and local agencies would have permit and approval authority over the construction transmission line, the CPUC would continue to act as the lead agency for monitoring compliance with all mitigation measures required by this Draft MND. 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 of the new Kimball substation and transmission line modifications, and the future operation of the transmission line and substations. The CPUC review concluded that all potential impacts could be mitigated to less than significant levels. SCE

has agreed to incorporate all the proposed mitigation measures into the project. The CPUC has included the stipulated mitigation measures as conditions of approval of the application and has circulated a Draft MND.

The attached Mitigated Negative Declaration presents and analyzes potential environmental impacts that would result from construction and operation of the new transmission line and substation modifications, and proposes mitigation measures, as appropriate. Based on the Mitigated Negative Declaration, approval of the application would have no impact or less than significant impacts in the following areas:

- Agricultural Resources
- Mineral Resources
- Population and Housing
- Land Use and Planning Mandatory
- Noise
- Public Services
- Utilities

The Draft Mitigated Negative Declaration indicates that approval of the application would result in potentially significant impacts in the areas of:

- Mandatory Findings of Significance
- Aesthetics
- Air Quality
- Biological Resources
- Cultural Resources
- Geology and Soils
- Hydrology and Water Quality
- Hazards and Hazardous Materials
- Transportation and Traffic

6.3 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 Applicant Proposed Measures 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 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 proposed project change 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 approval. In some cases, a variance may also 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 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 the adopted 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 Proposed Project or adopted Mitigation Monitoring Program.
- **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.

6.4 GENERAL MONITORING PROCEDURES

Mitigation Monitor

Many of the monitoring procedures will be conducted during the construction phase of the 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 the monitoring program 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 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 the MMRCP, will be taken:

- Procedures to be followed by construction companies hired to do the work will be written into contracts between SCE and any construction contractors. Procedures to be followed by construction crews will be written into a separate agreement that all construction personnel will be asked to sign, denoting agreement.
- 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 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 project, which shall include progress of construction, resulting impacts, mitigation implemented, and all other noteworthy elements of the project. Quarterly reports shall be required as long as mitigation measures are applicable.

6.5 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.

6.6 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 project implementation (CEQA 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.

6.7 MITIGATION MONITORING AND REPORTING PROGRAM

The table attached to this program presents a compilation of the mitigation measures in the Draft Mitigated Negative Declaration. The purpose of the table is to provide a single comprehensive list of mitigation measures, effectiveness criteria, and timing.

The mitigation matrix is included in Table 6-1.

Table 6-1. Mitigation Monitoring and Reporting Program Checklist

Environmental Impact	Applicant Proposed Measures (APM) or Mitigation Measure		Implementation Action	Monitoring/ Reporting Requirements	Monitoring Schedule
Aesthetics					
Implementation of the proposed project would substantially degrade the existing visual character or quality of the site and its surroundings.	MM Aes1:	The substation shall be screened behind an 8-foot high perimeter wall with exterior drought tolerant landscaping.	SCE and/or its contractor(s) to implement measure as defined.	CPUC to review landscaping plans and inspect project site.	During project design and after project completion.
	APM Aes1:	Structures associated with the proposed substation would incorporate low profile design features that would limit the height of the electrical equipment to approximately 17 feet.	SCE and/or its contractor(s) to implement measure as defined.	CPUC to review design drawings and inspect and project site.	During project design and after project completion.
Air Quality					
Under state and federal standards, the proposed project is located in a non-attainment area for O3, PM_{10}, and $PM_{2.5}$. Implementation of the proposed project would contribute substantially to an existing air quality violation.	MM Air1:	SCE shall prepare a Construction Emissions Control Plan that outlines SCE's approach for ensuring that daily construction emissions do not exceed the SCAQMD's significance thresholds for construction activities. The plan shall be submitted to the CPUC for review and approval at least 30 days prior to the estimated start of construction activities. SCE shall require the approved plan to be implemented during all construction activities. The plan shall include, at a minimum, the following requirements: • A detailed description of construction activity phasing that would be required to ensure that emissions remain below SCAQMD daily significance thresholds. All assumptions and rationale for all assumptions, including truck trips per day, miles per trip, daily equipment inventories, equipment hours, and amounts of total areas and volumes of material to be	SCE and/or its contractor(s) to submit Plan to CPUC and implement measure as defined.	CPUC to review Plan and regularly inspect project site.	Prior to and during construction.

Environmental Impact	Applicant Proposed Measures (APM) or Mitigation Measure		Implementation Action	Monitoring/ Reporting Requirements	Monitoring Schedule
		disturbed shall be defined in the plan. • All construction material deliveries shall be scheduled to occur outside of peak traffic hours (7:00 to 10:00 a.m. and 4:00 to 7:00 pm) to the extent feasible; truck trips during peak traffic hours shall be minimized to the extent feasible. • Engine idle time shall be restricted to no more than five minutes in duration. • All on-road construction vehicles shall be licensed. • All off-road stationary and portable gasoline powered equipment shall have USEPA Phase 1/Phase 2 compliant engines.			
	APM Air1:	Idling time will be limited to a maximum of five minutes when construction equipment is not in use per Section 2449(d)(3) of Title 13, Article 4.8, Chapter 9 of the California Code of Regulations (CCR).	SCE and/or its contractor(s) to implement measure as defined.	CPUC to regularly inspect project site.	During construction.
	APM Air2:	SCE will prepare and implement specific fugitive dust control measures pursuant to SCAQMD Rule 403.	SCE and/or its contractor(s) to implement measure as defined.	CPUC to regularly inspect project site.	During construction.
Implementation of the proposed project has the potential to produce odors during construction.	APM Air3:	SCE will reduce odors associated with diesel exhaust by the use of either low-sulfur or ultra-low sulfur fuel	SCE and/or its contractor(s) to implement measure as defined.	CPUC to regularly inspect project site.	During construction.

Environmental Impact	Applicant Proposed Measures (APM) or Mitigation Measure		Implementation Action	Monitoring/ Reporting Requirements	Monitoring Schedule
Implementation of the proposed project would result in potentially significant GHG emissions.	MM GHG1:	SCE shall replace a circuit breaker with an SF6 capacity of at least 30 pounds that is estimated to be leaking at a rate of at least six percent of its SF6 content each year. At the time of replacement, the circuit breaker to be replaced shall have an expected remaining life of at least two additional years. The replacement breaker shall have a one percent leakage rate guaranteed by manufacturers. SCE shall provide documentation to the CPUC that verifies that the replacement has occurred prior to commencement of project operations, and that the replaced circuit breaker has been permanently removed from service (e.g., destroyed or recycled as scrap metal).	SCE and/or its contractor(s) to implement measure as defined and submit verification documentation to CPUC.	CPUC to review verification document.	Prior to project operation.
	MM GHG2:	Prior to the commencement of operations of the Kimball Substation project, SCE shall replace four diesel powered forklifts that have horsepower (hp) ratings of at least 50 hp with electric forklifts. SCE shall provide documentation to the CPUC that verifies the replacement has occurred, and that the replaced forklifts have been permanently removed from SCE's equipment inventory.	SCE and/or its contractor(s) to implement measure as defined and submit verification documentation to CPUC.	CPUC to review verification document.	Prior to project operation.
Biological Resources					
Implementation of the proposed project would have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game (CDFG) or U.S. Fish and Wildlife Service (USFWS).	MM Bio1:	If construction activities are to occur during the nesting season (February 1 through August 31), a preconstruction survey shall be conducted by a qualified biologist at least one week prior to the commencement of construction activities to determine the presence/absence of active nests on the construction site. If an active nest is found, an adequate buffer shall be established around the nest and construction shall be prohibited within this designated area until the juveniles	SCE and/or its contractor(s) to implement measure as defined; Submit preconstruction survey results for nesting birds and buffer plans to the CPUC.	CPUC to review survey results; inspect project site regularly.	During nesting and breeding season; Prior to and during construction.

Environmental Impact	Applicant Proposed Measures (APM) or Mitigation Measure		Implementation Action	Monitoring/ Reporting Requirements	Monitoring Schedule
Implementation of the proposed project would conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.		fledge. Construction buffers of 300 feet would only apply to the portion of the project site where the active nest is located. If vegetation or structures containing a raptor nest must be removed during the nesting season, or if work is scheduled to take place in close proximity to an active nest in vegetation or an existing structure, SCE would coordinate with the CDFG and USFWS and obtain written concurrence prior to moving the nest. Construction activities may continue within the project site if the activities take place outside of the designated buffer. (In practice, the presence of an active nest on the proposed substation site would halt construction of the substation because the buffer would incorporate the entire site; however, an active nest located within the alignment would only halt construction within a specific portion of the alignment.)			
	MM Bio2:	All new structures shall be designed to be raptor safe in accordance with current standards and guidelines.	SCE and/or its contractor(s) to implement measure as defined; Provide design drawings to CPUC.	CPUC to review design drawings.	During project design.
	MMBio3:	A preconstruction burrowing owl survey shall be conducted no more than 30 days prior to the commencement of ground disturbing activities along the segment of the alignment that parallels Magnolia Avenue between Edison and Kimball Avenues to determine if any occupied burrows are present. If nesting pairs are found, adequate buffers shall be established around occupied burrows (50 meters/160 feet) from non-breeding burrows and 75 meters (250 feet) from breeding burrows) during the breeding season (February 1-August 31). If active burrows	SCE and/or its contractor(s) to implement measure as defined; Submit preconstruction survey results for burrowing owl and buffer plans to the CPUC.	CPUC to review survey results; inspect project site regularly.	Prior to and during construction.

Environmental Impact	Applicant Proposed Measures (APM) or Mitigation Measure		Implementation Action	Monitoring/ Reporting Requirements	Monitoring Schedule
		cannot be avoided, an appropriate relocation strategy would be developed in conjunction with the CDFG and may include: collapsing burrows outside of nesting season and the use of exclusionary devices to reduce impacts to the burrowing owl.			
Cultural Resources					
Implementation of the proposed project may encounter currently unknown cultural resources, either prehistoric or historic, pursuant to CEQA Guidelines Section 15064.5 or CEQA Section 21083.2(g).	MM Cul1:	In the event that any prehistoric or historic subsurface cultural resources are discovered during ground disturbing activities, all work within 50 feet of the resources shall be halted and SCE and/or the CPUC shall consult with a qualified archaeologist to assess the significance of the find. If any find is determined to be significant, representatives of SCE and/or the CPUC and the qualified archaeologist shall meet to determine the appropriate avoidance measures or other appropriate mitigation, with the ultimate determination to be made by the CPUC. All significant cultural materials recovered shall be subject to scientific analysis, professional museum curation, as necessary and a report prepared by a Specialist according to current professional standards. In considering any suggested mitigation proposed by the consulting archaeologist in order to mitigate impacts to historical resources or unique archaeologist resources, the CPUC shall determine whether avoidance is necessary and feasible in light of factors such as the nature of the find, proposed project design, costs, and other considerations. If avoidance is infeasible, other appropriate measures (e.g. data recovery) shall be instituted. Work may	Qualified archaeologist to implement measure as defined; Consult CPUC; submit summary report to CPUC.	CPUC to consult with qualified archaeologist; Review summary report.	During construction; Immediately upon discovery of cultural resource.

Environmental Impact	Applicant Proposed Measures (APM) or Mitigation Measure	Implementation Action	Monitoring/ Reporting Requirements	Monitoring Schedule
	proceed on other parts of the proposed project site while mitigation for historical resources of unique archaeological resources is carried out. If the CPUC, in consultation with the qualified archaeologist, determines that a significant archeological resource is present and that the resource could be adversely affected by the proposed project, the CPUC shall require SCE to: • Re-design the proposed project to avoid any adverse effect on the significant archeological resource; or • Implement an archeological data recovery program (ADRP) unless the qualified archaeologist determines that the archeological resource is of greater interpretive use than research significance, and that interpretive use of the resource is feasible. If the circumstances warrant an ADRP, such a program shall be conducted. The project archaeologist and the CPUC shall meet and consult to determine the scope of the ADRP. The archaeologist shall prepare a draft ADRP that shall be submitted to the CPUC for review and approval. The ADRP shall identify how the proposed ADRP would preserve the significant information the archeological resource is expected to contain. That is, the ADRP shall identify the scientific/historical			

Environmental Impact	Applicant Proposed Measures (APM) or Mitigation Measure		Implementation Action	Monitoring/ Reporting Requirements	Monitoring Schedule
		research questions that are applicable to the expected resource, the data classes the resource is expected to possess, and how the expected data classes would address the applicable research questions. Data recovery, in general, should be limited to the portions of the historical property that could be adversely affected by the proposed project. Destructive data recovery methods shall not be applied to portions of the archeological resources if nondestructive methods are practical.			
Implementation of the proposed project may result in accidental discovery of human remains.	MM Cul2:	If human remains are unearthed during construction, State Health and Safety Code Section 7050.5 dictates that no further disturbance would occur until the County Coroner has made the necessary findings as to origin and disposition of the remains pursuant to Public Resources Code Section 5097.98. Should human remains be identified as a Native American burial, the Native American Heritage Commission shall be contacted to determine the appropriate repatriation efforts.	SCE and/or its contractor(s) to provide immediate verbal notification to the County Coroner and the CPUC of any discovered human remains; Provide follow up written documentation noting date of discovery, type of discovery, and action taken to protect the resource(s); Contact NAHC.	CPUC to review summary report.	During construction; Immediately upon discovery of cultural resource.
Geology and Soils					
Implementation of the proposed project would result in an estimated level of soil disturbance greater than one acre resulting in impacts associated with soil erosion and loss of topsoil.	MM Geo1:	The applicant shall obtain a National Pollutant Discharge Elimination System (NPDES) permit and prepare a Storm Water Pollution Prevention Plan (SWPPP) which meets the requirements of the Santa Ana Regional Water Quality Control Board. Specific erosion	SCE to submit copy of NPDES permit and SWPPP to CPUC; Implement measures as defined.	CPUC to review NPDES permit and SWPPP; Monitor the project site regularly.	Prior to and during construction.

Environmental Impact	Applicant Proposed Measures (APM) or Mitigation Measure		Implementation Action	Monitoring/ Reporting Requirements	Monitoring Schedule
		control measures would be outlined in the NPDES permit and SWPPP and would be required to be in place prior to the commencement of grading activities. The standard erosion control measures outlined in the NPDES permit and SWPPP would be required during surface and subsurface construction activities associated with the subtransmission and telecommunication alignments (e.g., grading, boring of holes for the LWS poles; burying of underground conductors; and TSP riser and vault installation) would reduce the erosion potential of the minor quantities of excavated soil. The permit shall be required prior to construction and submitted to the CPUC.			
	APM Geo1:	The electrical equipment associated with the proposed substation would be constructed in accordance with the Institute of Electrical and Electronics Engineers (IEEE) Recommended Practices for Seismic Design of Substations.	SCE and/or its contractor(s) to implement measure as defined.	CPUC to review engineering plans for substation.	During project design.
Hazards and Hazardous Materials					
Implementation of the proposed project would result in a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials.	MM Haz1:	The design of the proposed substation shall provide containment and/or diversionary structures or equipment to prevent the discharge of oil or other hazardous material. These design features shall be included as part of the Spill Prevention Control and Countermeasure (SPCC) requirements (40 Code of Federal Regulations (CFR) Part 112.1 through Park 112.7) that would be prepared by SCE prior to construction of the substation and submitted to the CPUC.	SCE and/or its contractor(s) to submit copy of SPCC Plan to CPUC; implement measures as defined.	CPUC to review SPCC; Monitor site regularly.	Prior to construction.

Environmental Impact	Applicant Proposed Measures (APM) or Mitigation Measure		Implementation Action	Monitoring/ Reporting Requirements	Monitoring Schedule
	APM Haz1:	Hazardous or flammable materials used during construction would consist primarily of vehicle fuels (gasoline and diesel), oil, grease, and other fluids (hydraulic fluid, antifreeze, and transmission fluid) associated with construction equipment. Liquid concrete would also be used during construction. To avoid the inadvertent release of these materials (and to ensure proper response protocols), SCE would be required to implement environmental training for its field personnel.	SCE and/or its contractor(s) to implement measure as defined; Provide CPUC documentation of training.	CPUC to review training documentation.	Prior to construction.
Implementation of the proposed project would create a significant hazard to the public or the environment.	MM Haz2:	In the event that contaminated soil is encountered during excavation activities along the subtransmission and/or telecommunication alignments, the soil shall be segregated and tested to determine the appropriate disposal and treatment options. Should a soil test positive for hazardous materials, the soil shall be properly transported to a Class I landfill or other appropriate soil treatment or recycling facility. The wooden poles to be removed as part of the subtransmission line modifications shall be either returned to the manufacturer, disposed of in a Class I hazardous waste landfill, or disposed of in the lined portion of a Regional Water Quality Control Board (RWQCB)-approved municipal landfill.	SCE and/or its contractor(s) to implement measure as defined; Submit documentation to CPUC that soil (if applicable) and pole disposal has occurred according to regulation.	CPUC to review documentation of soil (if applicable) and pole disposal.	During construction.
Implementation of the proposed project would result in a safety hazard for people residing or working in the project area.	MM Haz3:	Coordination with the FAA would be required during construction to ensure compliance with FAA obstruction standards (FAR 77.11 guidelines).	SCE and/or its contractor(s) to provide documentation of FAA compliance.	CPUC to review compliance documentation.	During construction.
	MM Haz4:	FAA notification would be required for the LWS pole installation along the portion of the alignment of the subtransmission modifications within the airport's southwest- to	SCE and/or its contractor(s) to provide documentation of FAA notification.	CPUC to review notification documentation.	During construction.

Environmental Impact	Applicant Proposed Measures (APM) or Mitigation Measure	Implementation Action	Monitoring/ Reporting Requirements	Monitoring Schedule
	northeast-oriented take-off zone, approximately 2,650 feet from the end of the runway to ensure compliance with FAA obstruction standards (FAR 77.11 guidelines).			
Implementation of the proposed project would potentially expose people or structures to a significant risk of loss, injury, or death involving wildland fires.	APM Haz 2: During operation, the project subtransmission lines may pose a fire hazard if vegetation or other obstructions come in contact with energized conductor. The proposed project would be constructed and maintained in a manner consistent with CPUC G.O. 95 and CPUC G.O. 165. Consistent with these and other applicable state and federal laws, SCE would maintain an area of cleared brush around the conductor, minimizing the potential for fire. Further, the applicant would work with developers along this route to insure that trees in proximity to the proposed line will not exceed 15 feet in height. The project site is not located in a designated wildland fire hazard zone. To prevent heat or sparks from vehicles or construction equipment from igniting dry vegetation and causing a fire, SCE will be responsible for clearing work areas of flammable vegetation to reduce the potential for fires and to direct workers to park vehicles away from dry vegetation. Incorporation of these construction site best management practices (BMPs) would prevent the proposed project from exposing people or structures to a significant risk of fire.	SCE and/or its contractor(s) to implement measure as defined.	CPUC to monitor project site regularly.	During operation.
Hydrology and Water Quality				
Implementation of the proposed project would impact water quality standards.	Refer to MM Geo1	SCE to submit copy of NPDES permit and SWPPP to CPUC; Implement measures as defined.	CPUC to review NPDES permit and SWPPP; Monitor the project site regularly.	Prior to and during construction.

Environmental Impact	Applicant Proposed Measures (APM) or Mitigation Measure	Implementation Action	Monitoring/ Reporting Requirements	Monitoring Schedule
Implementation of the proposed project would substantially degrade water quality	Refer to MM Geo1	SCE to submit copy of NPDES permit and SWPPP to CPUC; Implement measures as defined.	CPUC to review NPDES permit and SWPPP; Monitor the project site regularly.	Prior to and during construction.
Noise				
	APM Noise 1: SCE will comply with noise standards established by local municipalities, including regulations limiting construction hours. If construction must take place outside of normal business hours, SCE will apply for a variance with the appropriate jurisdiction to allow construction noise levels to exceed their established thresholds. SCE will comply with the terms of any variance that may be granted.	SCE and/or its contractor(s) to implement measure as defined; If applicable, obtain and submit copy of variance document to CPUC.	CPUC to monitor site regularly; Review variance document.	During construction.
Traffic and Transportation				
Implementation of the proposed project would cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system. Implementation of the proposed project would exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways. Implementation of the proposed project would result in inadequate emergency access.	MM Traffic1: SCE shall implement a Traffic Control Plan (TCP) to limit potential traffic impacts to the project area. Specifically, the measures outlined in the TCP will ensure an adequate flow of traffic in both directions by providing sufficient signage to alert drivers of construction zones, notifying emergency responders prior to construction, conducting community outreach, and controlling traffic around schools. The measures shall include the following: • To the extent feasible, truck traffic shall be scheduled for off-peak hours to reduce impacts during periods of peak traffic. • Truck traffic shall be phased throughout the five-week grading period and site preparation construction phase.	SCE and/or its contractor(s) to implement measure as defined; Submit TCP to CPUC.	CPUC to review TCP	Prior to Construction.

Environmental Impact	Applicant Proposed Measures (APM) or Mitigation Measure	Implementation Action	Monitoring/ Reporting Requirements	Monitoring Schedule
	• Truck traffic shall use designated truck routes when arriving to and from the proposed substation site. • If lane closures are required, SCE shall comply with BMPs established by the Work Area Protection and Traffic Control Manual (California Joint Utility Traffic Control Committee 1996). All work within public roadway rights-of-way shall be subject to the conditions established by the appropriate jurisdiction in an encroachment permit to be secured prior to initiating work within the right-of-way.			
Implementation of the proposed project would result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks.	Refer to MM Haz3 and MM Haz4	SCE and/or its contractor(s) to provide documentation of FAA compliance.	CPUC to review compliance documentation.	During construction.
Implementation of the proposed project would result in a temporary short term impact to the circulation network during construction if Flight Street has not yet been improved.	APM Traffic1: In the event that the improvements to Flight Street have not been made prior to construction of the substation, a temporary access road would be graded and installed. The temporary access road would be built based on the site's topography, so that it would be accessible to all construction vehicles and equipment. This temporary access road would be built with gradients and curvatures that would permit heavy equipment usage and maneuvering.	SCE and/or its contractor(s) to submit design plans to CPUC; Implement measure as defined.	CPUC to review design plans.	Prior to construction.

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