9. Mitigation Monitoring, Compliance, and Reporting Plan

The purpose of this Mitigation Monitoring, Compliance, and Reporting Plan (MMCRP) is to ensure effective implementation of the Project Commitments and Mitigation Measures required by the California Public Utilities Commission (CPUC) that Southern California Edison (the applicant) has agreed to implement as part of the proposed Valley–Ivyglen 115-kilovolt (kV) Subtransmission Line Project (proposed Valley–Ivyglen project) and the proposed Alberhill System Project (proposed Alberhill Project). The MMCRP, which is outlined in Table 9-1, includes:

- Each impact evaluated in the Environmental Impact Report (EIR);
- Project Commitments and mitigation measures that the applicant is required to implement as part of the proposed project;
- Compliance documentation and consultation requirements for each Project Commitment and mitigation measure;
- Monitoring requirements; and
- Timing for implementation of the Project Commitments and mitigation measures.

This MMCRP is a draft program. The CPUC will finalize this MMCRP prior to construction to include protocols that will be followed prior to, during, and after construction by the CPUC's and the applicant's designated environmental monitors and project staff. Drafted language for the following topics is provided below:

- Roles/ Responsibilities;
- Communication;
- Compliance Verification and Reporting;
- Project Changes, including Minor Project Refinements; and
- Dispute Resolution.

The CPUC will develop the final language of the MMCRP in consultation with the applicant.

A CPUC Monitor (see Section 9.2.1, "CPUC Project Manager and Compliance Managers and Monitors") will monitor construction of the approved project to ensure full implementation of each Project Commitment and mitigation measure. The CPUC Compliance Manager (see Section 9.2.1) will issue a warning for non-compliance activities that don't present an immediate risk to environmental resources. Continued non-compliance of low risk activities or non-compliance activities that present a more severe risk to environmental resources will be reported to the CPUC Project Manager (see Section 9.2.1). Any decisions to halt work due to non-compliance will be made by the CPUC Project Manager. The CPUC Compliance Manager will keep a record of any incidents of noncompliance with mitigation measures, Project Commitments, or other conditions of project approval. The CPUC Compliance Manager will provide copies of these documents to the applicant and CPUC Project Manager.

If the CPUC approves the proposed project and mitigation measures, further project construction–related details will be added to the MMCRP.

9.1 Regulatory Background

Under California Environmental Quality Act (CEQA) Guidelines Section 15097, the Lead Agency (in this case, CPUC) is responsible for developing a mitigation monitoring or reporting program to ensure that all project revisions and mitigation measures described in the findings associated with approval of the project are implemented. Monitoring refers to the ongoing or periodic process by which project construction and operation are overseen by the lead agency and ensures that the applicant's compliance with project conditions is checked on a regular basis. Reporting, which comprises written reviews of the applicant's compliance with Project Commitments and mitigation measures, ensures that the lead agency is informed of compliance with Project Commitments and mitigation measures. The CPUC views the MMCRP as a working guide to facilitate not only the applicant's implementation of Project Commitments and mitigation measures, but also the monitoring, compliance, and reporting activities of the CPUC and its monitors. The CEQA Guidelines encourage lead and responsible agencies to cooperate in mitigation monitoring and reporting, where possible.

9.2 Roles and Responsibilities

This section outlines roles and responsibilities specific to the MMCRP.

9.2.1 CPUC Project Manager and Compliance Managers and Monitors

The CPUC Project Manager will assign monitoring and reporting responsibilities to a third-party contractor as described below and will oversee the work of the third-party contractor through review of weekly and monthly status reports. The CPUC Project Manager will be notified of non-compliance situations and may suggest measures to help resolve the issue(s). All minor project refinement requests (further discussed in Section 9.4, "Minor Project Refinements") will be submitted to the CPUC Project Manager for review and approval.

The CPUC Project Manager will assign a Compliance Manager (CPUC Compliance Manager) as the designated point of contact. The CPUC Compliance Manager will be a third-party contractor and will report to the CPUC Project Manager. The CPUC Compliance Manager will consult with the CPUC Project Manager to determine the appropriate level of inspection frequency and intensity and will also oversee one or more Compliance Monitors. Compliance Monitors are on-the-ground personnel responsible for observing and reporting compliance with the terms and conditions of the CPUC Certificate of Public Convenience and Necessity. The number of Compliance Monitors and frequency of site inspections will depend on the number of concurrent construction activities and their locations. The CPUC Compliance Manager will be an integral part of the project team and will stay apprised of construction activities, schedule changes, and construction progress. The CPUC Compliance Manager and Compliance Monitors will document compliance through daily site inspection forms, the use of tables tracking Project Commitments and mitigation measures, and monthly reports to the CPUC Project Manager.

9.2.2 Construction Personnel

Applicant Construction Management Team

The applicant's construction management team will oversee, manage, and coordinate with the Construction Crews or Contractor, if utilized, to ensure overall project construction is completed as required by the project conditions and contract, and within the schedule. The applicant's construction

management team must ensure that Project Commitments, mitigation requirements, and project conditions are implemented and that any work stoppages are appropriately communicated and coordinated.

Construction Crews/Contractors

The Construction Crews/Contractors will provide daily construction work schedules and describe the number, types, and activities of the construction scheduled to occur to ensure adequate monitoring resources are provided. The Construction Crews/Contractors will also report deviations from compliance and any spills (e.g., fuel or water) to the Compliance Monitors.

The Construction Crews/Contractors will be responsible for compliance with the environmental requirements of the project. They will be responsible for incorporating all Project Commitments, mitigation requirements, and project conditions into daily construction activities.

Key environmental responsibilities for Construction Crews/Contractors include, but are not limited to:

- Verifying that all construction workers attend the project environmental training program prior to beginning work;
- Reviewing and understanding the Project Commitments, mitigation requirements, and project conditions; and
- Implementing Project Commitments, mitigation requirements, and project conditions during construction and maintaining compliance with the MMCRP.

9.2.3 Monitoring

As the Lead Agency under CEQA, the CPUC is required to monitor the project to ensure that the Project Commitments, mitigation requirements, and project conditions are implemented. The CPUC will have primary responsibility for ensuring full compliance with the provisions of the monitoring program. The Compliance Monitors, under the supervision of the CPUC Compliance Manager, will monitor construction activities in the project areas on a regular basis, particularly when construction activities have the potential to impact a sensitive resource.

The applicant may elect to have one or more full-time environmental monitor on site on a daily basis to coordinate specialty monitors (such as biologists and archaeologists), assist construction crews with interpreting Project Commitments and mitigation measures, and help correct any compliance issues in a timely manner. Environmental monitors will also provide environmental training.

9.2.4 Enforcement

The CPUC has the authority to halt any construction activity associated with the project if the activity is determined to be a deviation from the approved project, adopted Project Commitments, mitigation measures, or conditions of approval. CPUC Compliance Monitors will inform the applicant's environmental monitor or construction contractor of a compliance issue and report compliance issues to the CPUC Project Manager via the CPUC Compliance Manager.

9.2.5 Mitigation Compliance

The applicant is responsible for successfully implementing all the adopted Project Commitments and mitigation measures listed in the MMCRP. The applicant shall inform the CPUC Project Manager and CPUC Compliance Manager in writing of any mitigation measures that are not or cannot be successfully implemented. The CPUC Project Manager and CPUC Compliance Manager will identify the appropriate subsequent actions.

9.3 Communication

Communication is a critical component of a successful environmental compliance program. To avoid project delays and possible work stoppages, environmental and construction representatives will need to interact regularly and maintain professional, responsive communications at all times. Similarly, representatives of the applicant will need to coordinate closely with the Compliance Monitors to address and resolve issues in a timely manner. A communication protocol to accurately disseminate information regarding ongoing surveys and mitigation measures, construction activities, contractors, and planned or upcoming work to all levels of the project will be established prior to the commencement of construction.

9.3.1 Monthly Environmental Compliance Report

The applicant will prepare and distribute a monthly environmental compliance report to the CPUC Project Manager and CPUC Compliance Manager. The CPUC Compliance Manager will review the monthly report to ensure that the status of Project Commitments and mitigation measures is consistent with observations in the field. The monthly environmental compliance report will also be used to keep all parties informed of construction progress and any schedule changes.

9.3.2 Coordination with Other Agencies

Several local, state, and federal agencies have jurisdiction over portions of the land in the project area. In addition, some Project Commitments and mitigation measures were derived from specific agency input. The applicant will be responsible for contacting agencies and immediately notifying them of compliance issues within their jurisdiction. The CPUC Compliance Manager may request copies of email correspondences, phone logs, or other documentation between the applicant and agencies to avoid direct involvement of Compliance Monitors. However, if an issue regarding compliance with an Project Commitment, mitigation measure, or permit requirement under the jurisdiction of an agency remains unresolved, the Compliance Monitors may elect to contact the agency to discuss resolution.

9.4 Minor Project Refinements

This section describes the CPUC's process for staff approval of a minor project refinement (MPR) requested by the applicant. An MPR may be necessary as a result of the applicant's final engineering of project elements. The CPUC will only grant approval of an MPR if the refinement achieves or exceeds the level of environmental protection approved in the Final EIR, is consistent with CEQA requirements, and complies with the intent of the mitigation measures in the Final EIR. The CPUC will require a Petition for Modification for any request that does not meet all of the criteria of an MPR.

9.4.1 Minor Project Refinements Request Process

The applicant's request for CPUC staff approval of an MPR must be made in writing and should include the following information:

- A detailed description of the proposed MPR, including an explanation of why the MPR is necessary;
- Photos, maps, and other supporting documentation illustrating the difference between the existing conditions in the project area, the approved project, and the proposed MPR;
- A discussion of each environmental impact of the proposed MPR with supporting data verifying that the proposed MPR would not increase an existing impact of the project or create a new impact, after application of previously adopted mitigation;
- Whether the MPR conflicts with any Project Commitments or mitigation measures;
- Whether the MPR conflicts with any applicable guideline, ordinance, code, rule, regulation, order, decision, statute, or policy; and
- Construction schedule of the MPR.

The CPUC staff may request additional information, agency consultations, or a site visit in order to process the request. The CPUC staff will process the MPR once it is determined that sufficient information about the MPR has been received. The CPUC Project Manager will provide the applicant with a denied MPR with provided justification or a signed, approved MPR.

9.4.2 Requirements for Staff Approval of Minor Refinements

An MPR must meet all of the following requirements for CPUC staff approval. An MPR must not:

- Be outside the geographic boundary of the study area as defined in the CEQA document;
- Create a new significant impact or a substantial increase in the severity of a previously identified impact, based on the thresholds used in the environmental document;
- Trigger less restrictive or new discretionary permit requirements;[1]
- Conflict with any Project Commitments or mitigation measures or any applicable guideline, ordinance, code, rule, regulation, order, decision, statute, or policy; or
- Require new conditions for approval, without which the refinements would result in a new significant impact or a substantial increase in the severity of a previously identified impact.

Examples of refinements that may be approved by staff after final engineering include, but are not limited to:

- Adding a temporary extra work area or substituting a work area, including lay-down and staging, for another work area that is as suitable as or more suitable than the originally proposed work area. The temporary extra work area or substitute work area must be located in a disturbed area,

[1] For example: In the event that dredging activities are added to a project, new conditions may be required under a Clean Water Act Section 404 permit or a California Fish and Game Code Section 1602 Lake or Streambed Alteration Agreement.

must be restored to either its initial condition[2] or an improved condition,[3] and must not create any new significant impacts or a substantial increase in the severity of a previously identified impact.

- Adjusting the alignment of a project component within the study area that was defined in the original environmental analysis to avoid sensitive resources or effects on homeowners, or adapt to conditions on the ground that vary from the conditions that existed at the time of the original environmental analysis, so long as the adjustment does not create a new significant impact or a substantial increase in the severity of a previously identified impact.
- Finalizing the engineering design for a project component that was not specifically described in the Final EIR or that requires adjustments in order to facilitate construction. The finalized design must not create a new significant impact or a substantial increase in the severity of a previously identified impact.

9.5 Dispute Resolution

The following procedure will be observed for dispute resolution:

- **Step 1.** Disputes and complaints (including those of the public) should be directed first to the CPUC Project Manager for resolution. The CPUC 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 MMCRP.
- **Step 3.** If a dispute or complaint regarding the implementation or evaluation of the MMCRP 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 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 the 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 to the CPUC via a procedure to be specified by the Commission.

Parties may also seek review by the CPUC through existing procedures specified in the CPUC Rules of Practice and Procedure for formal and expedited dispute resolution, although a good faith effort should first be made to use the foregoing procedure.

9.6 Mitigation, Monitoring, Compliance, and Reporting Program

Table 4-1 presents the MMCRP, which incorporates all changes to the proposed project and mitigation measures that were made as a result of public review of the Draft EIR and Recirculated Draft EIR and further consideration of the proposed project by the CPUC. If the CPUC Commissioners approve the

[2] The initial condition of the area is the condition prior to its use as a work area.
[3] For example, trash has been cleaned up that was originally on the site, or the site is replanted with native vegetation.

proposed project, CPUC staff will compile the Final MMCRP based on this table and the final project conditions.

Table 4-1 is the core document for the proposed project's environmental requirements and will serve as the primary guideline for determining compliance with the MMCRP. A copy of the table should be kept with each crew working on the proposed project, and all supervisory staff working on the proposed project should be familiar with the content of the table. CPUC staff will use a modified version of the MMCRP table to accurately track the status of Project Commitments and mitigation measures and will also be used by the applicant's Environmental Monitors, Compliance Monitors, project managers, supervisory staff, and other members of the project team.

9.6.1 Effectiveness Review

The CPUC may conduct a comprehensive review of conditions that are not effectively mitigating impacts at any time it deems appropriate, including as a result of the Dispute Resolution procedure outlined in section 9.2, "Roles and Responsibilities." If the CPUC determines that, based on the review, any conditions are not adequately mitigating significant environmental impacts caused by the project, 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.

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Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
Aesthetics				
Impact AES-2: Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State Scenic Highway.		**Project Commitment A: Landscaping and Irrigation Plan:** For the Alberhill Project, prior to the start of construction, the applicant would develop a Landscaping and Irrigation Plan for Alberhill Substation that is consistent with surrounding community standards. The applicant would consult with Riverside County about the plan and incorporate applicable County recommendations to the extent possible. Landscaping would be designed to filter views from the surrounding community and other potential sensitive receptors near the proposed substation and be consistent with the surrounding community. The landscape plan would include a plant species list and installation and construction requirements. The applicant would contract a landscape architect to complete the landscaping plan during final engineering for the Alberhill Project. Irrigation and landscaping installation would occur after construction of the substation perimeter wall and water service has been established. During operations, the applicant would maintain the substation site pursuant to the Landscaping and Irrigation Plan and be responsible for upkeep as long as the applicant owns the property.	Verify preparation and implementation of landscaping and irrigation plan	Prior to Construction and after construction
	Project Commitment D: Habitat Restoration and Revegetation Plan: With input from the appropriate resource agencies, the applicant would develop and implement a Habitat Restoration and Revegetation Plan to restore areas where construction of the proposed project would be unable to avoid impacts on native vegetation and sensitive resources, such as wetlands, wetland buffer areas, riparian habitat, and other sensitive natural communities. The applicant would restore all areas disturbed during construction of the proposed project, including staging areas and pull, tension, and splicing sites, to as close to pre-construction conditions as possible, or to the conditions agreed upon between the applicant and landowner. Replanting and reseeding would be conducted under the direction of the applicant or contract biologists. If revegetation would occur on private property, revegetation conditions would be part of the agreement between the applicant and the landowner.	**Project Commitment D: Habitat Restoration and Revegetation Plan.**	Verify preparation and implementation of habitat restoration and revegation plan	Prior to Construction and after construction
	MM AES-1: Staging Area Screening. Staging areas will be screened with perimeter screening fences at least 8 feet tall. Perimeter screening fences will be dark in color and covered with a dark-colored (e.g., dark green, brown, or black) fabric or other material that provides at least 50 percent screening.	**MM AES-1: Staging Area Screening.**	Verify staging areas are screened	During construction
	MM AES-2: Segment VIG2 Undergrounding. 115-kV Segment VIG2 shall be placed underground.		Verify placement of subtransmission line	Prior to, during, and post construction
		MM AES-6: Hillside and Natural Slope Preservation. The applicant will limit grading, cut, and fill to the minimum necessary to provide stable areas for drainage, structural foundations, parking facilities, access roads, poles, and other intended uses.	Verify minimization of grading and cut and fill	Prior to, during, and post construction
		MM AES-7: Alberhill Substation Visual Treatments. The applicant will consult with a professional landscape architect licensed to work in California to determine what colors to use for the control building and perimeter wall and other aboveground infrastructure associated with the Alberhill Substation. Colors will be selected according to their ability to reduce the aesthetic impact of the substation and ancillary infrastructure. The applicant will also consult with the landscape architect regarding visual treatments, in addition to color, that would reduce aesthetic impacts. The applicant will obtain approval of the selected colors and visual treatments from the California Public Utilities Commission prior to start of construction. All color finishes will be flat and non-reflective. TSPs, LWS poles, and LSTs within the SCE substation parcel must have color finishes that are dark in color or otherwise colored to help blend the structures with their surroundings. An acceptable treatment is a long-lasting darkening agent that bonds with metal or other surfaces to create a darkened finish.	Verify implementation of visual treatments as recommended by a CA RLA	Prior to, during, and post construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
		MM AES-8: Treatment of 500-kV Transmission Towers. 500-kV Towers SA2/R4, VA2/R5, SA3/R7, VA3/R8, SA4/R12, and VA4/R11 will have color finishes that are dark in color or otherwise colored to help blend the structures with their natural surroundings. An acceptable treatment is a long-lasting darkening agent that bonds with metal or other surfaces to create a darkened finish.	Verify implementation of visual treatments	Prior to, during, and post construction
Impact AES-3: Substantially degrade the existing visual character or quality of the site and its surroundings.	**Project Commitment D: Habitat Restoration and Revegetation Plan** **MM AES-1: Staging Area Screening.**	**Project Commitment D: Habitat Restoration and Revegetation Plan** **MM AES-1: Staging Area Screening.**	See above	See above
	MM AES-3: Glare Reduction. To reduce glare from components of the project, reduce color contrast between the project components and the surrounding landscape, and visually unify the project components with the surrounding landscape, the applicant shall: • Use non-specular conductor and guy wire for all powerlines installed as part of the projects • Only use lightweight steel, hybrid, guy, and TSPs and LSTs with a galvanized steel that has been treated to create a dulled finish or non-toxic, long-lasting darkening agents that bond with metal or other surfaces and create a darkened finish (unless otherwise required by MM AES-8). • As applicable, use steel for the switchrack enclosures and dead-end structures installed as part of Alberhill Substation with a flat finish that will weather to be dull and non-reflective.		Verify implementation of glare reduction measures	Prior to, during, and post construction
	MM AES-4: Lake Street Pole Placement and Landscaping. Poles installed along Lake Street for 115-kV Segment VIG5 and for the Fogarty–Ivyglen 115-kV Subtransmission line shall adhere to the following requirements: • Poles shall be set back a minimum of 20 feet from Lake Street's edge of pavement. • SCE shall plant trees with a maximum height and spread of 25 feet at maturity and a minimum height of 10 feet at planting, large shrubs, and other plants within the setback area between the subtransmission alignment and the Lake Street edge of pavement along the segment. Plantings shall be placed at intervals and in locations to maximize screening of lower portions of the transmission structures in views from the road. Plantings shall be drought tolerant. SCE shall be responsible for ensuring maintenance of the landscaping for five years.		Verify pole placement and landscaping	Prior to, during, and post construction
		MM AES-9. Use self-weathering steel poles. Self-weathering steel poles shall be used on all of 115-kV Segment ASP6 (except where undergrounding is required per MM AES-10) and 115-kV Segments ASP4 and ASP5 in the following locations: • 115-kV Segment ASP4 - From the intersection of Murrieta Road and La Piedra Road to the intersection of Murrieta Road and Craig Avenue. - From the intersection of Murrieta Road and Beth Avenue to the intersection of Murrieta Road and Scott Road/Bundy Canyon Road. • 115-kV Segment ASP5 - From the intersection of Murrieta Road and Scott Road/Bundy Canyon Road to 520 feet northeast of the intersection of Citrus Grove and Lemon Street. - From the intersection of Almond Street and Lemon Street to the intersection of Waite Street and Jo Ann Court.	Verify pole material	Prior to, during, and post construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
		MM AES-10. Undergrounding on Murrieta Road: 115-kV Segment ASP6 shall be undergrounded between Craig Avenue and Beth Drive along Murrieta Road.	Verify placement of subtransmission line	Prior to, during, and post construction
Impact AES-4: Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area.	**MM AES-3: Glare Reduction.**	**MM AES-3: Glare Reduction.** **MM AES-7: Alberhill Substation Visual Treatments.** **MM AES-8: Treatment of 500-kV Transmission Towers.** **MM AES-9. Use self-weathering steel poles.**	See above	See above
	MM AES-5: Night Lighting during Construction. To minimize the effect on any nearby sensitive receptors, lighting for construction activities, staging areas, and maintenance activities will be the minimum necessary to ensure safety and security for nighttime activities. All lighting used for nighttime construction activities will be oriented downward and shielded to eliminate off-site light spill at times when the lighting is in use. Safety and security lighting at staging areas or other areas established for long-duration construction activities, such as laydown areas, will be motion-activated or use timers to reduce impacts of nighttime lighting.	**MM AES-5: Night Lighting during Construction.**	Verify utilization of night lighting	During construction
Agriculture and Forestry				
Impact AG-1: Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the FMMP of the California Resources Agency, to non-agricultural use.	**Project Commitment I: Agricultural Uses:** Existing agricultural and grazing uses within the existing and proposed ROW areas shall be allowed to continue during operation of the proposed projects. In addition, the applicant shall coordinate construction and maintenance activities with agricultural landowners to avoid interference with grazing and agricultural activities unless such coordination is not possible due to emergency circumstances.	**Project Commitment I: Agricultural Uses**	Verify continued agricultural use	Post construction
Air Quality				
Impact AQ-2: Violate any air quality standard or contribute substantially to an existing or projected air quality violation.	**Project Commitment J: Air Emissions Controls.** The applicant would implement the following fugitive dust control measures for the Valley-Ivyglen Subtransmission Project: • Water three times per day or as needed during excavation, bulldozing, scraping, and grading activities, in order to ensure compliance with SCAQMD Rule 403, Fugitive Dust. • Water storage piles twice a day, resulting in a 50% fugitive dust control efficiency. • Limit vehicle speeds on unpaved roads to 15 miles per hour, per SCAQMD's Table XI-A, Mitigation Measure Examples: Fugitive Dust from Construction and Demolition (Rev. 4/2007).	**Project Commitment J: Air Emissions Controls.**	Verify utilization of fugitive dust control measures	During construction
	MM AQ-1: Minimize NO_X and PM emissions from off-road diesel powered construction equipment. To the extent available, the applicant shall utilize off-road diesel-powered construction equipment with engines greater than 150 horsepower that comply with Tier 4 interim or Tier 4 road emission standards (Tier 4 Standards). In the event that equipment with a Tier 4 Standards compliant engine is not available, that equipment shall be operated with tailpipe retrofit controls that reduce NO_X and PM to no more than Tier 3 emission standards (Tier 3 Standards) levels. Equipment with a non-Tier 4 Standards compliant engine shall be utilized only when the applicant has made an unsuccessful good faith effort to locate equipment with a Tier 4 Standards compliant engine in the Valley–Ivyglen Project and Alberhill System Project vicinity (defined as within 200 miles of the applicable project site). Each such good faith effort shall be documented with written correspondence (or signed statement and electronic mail) by the appropriate construction contractor, along with written correspondence from at least two construction equipment rental firms within the defined vicinity confirming the unavailability of equipment with a Tier 4 Standards compliant engine.	**MM AQ-1: Minimize NO_X and PM emissions from off-road diesel powered construction equipment.**	Verify utilization of Tier 4 Standard equipment	During construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	The applicant shall make available to the California Public Utilities Commission (CPUC) a copy of the certified tier specification, best available control technology documentation, and/or CARB or SCAQMD operating permit for each piece of construction equipment, as applicable, at the time the equipment is mobilized. In addition, the applicant shall: • Maintain construction equipment according to manufacturing specifications and use low-emissions equipment; • Reduce emissions of PM and other pollutants by using, whenever feasible, alternative clean fuel technology to power vehicles and equipment instead of gasoline- or diesel-powered engines (e.g., electric, hydrogen fuel cell, propane, natural gas, or compressed natural gas-powered equipment with oxidation catalysts); • Ensure that all construction equipment is properly tuned and maintained and shut off when not in direct use; • Prohibit engine tampering to increase horsepower; • Locate engines, motors, and equipment as far as possible from residential areas and other sensitive receptors, such as schools, daycare centers, and hospitals; • Provide carpool shuttles and vans to transport construction workers to and from construction sites to minimize private vehicle use; • Minimize construction-related transport of workers and equipment including trucks; and • Require that on-road vehicles utilized during construction be less than 10 years old.			
	MM AQ-2: Oxides of Nitrogen (NO_X) Credits. The remaining emissions of NO_X resulting from construction of the proposed projects shall be mitigated through the purchase of Regional Clean Air Incentive Market Trading Credits (RTCs) for every pound of NO_X in excess of the SCAQMD regional significance threshold of 100 pounds per day, as measured per project. The total amount of NO_X RTCs to be purchased shall be calculated once the construction schedules for each project are finalized. The applicant shall purchase and submit documentation of purchase of the required RTCs to the SCAQMD prior to the start of construction of each project. The applicant shall also track actual daily emissions during construction of each project according to a monitoring plan, which shall require keeping records of equipment and vehicle usage for each project.	**MM AQ-2: Oxides of Nitrogen (NO_X) Credits.**	Verify the purchase of NOx credits	Prior to and after construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	MM AQ-3: Additional Fugitive Dust Controls. During construction activities, the applicant shall implement the following measures to minimize impacts due to fugitive dust emissions: • Use a gravel apron, to reduce mud/dirt trackout from unpaved truck exit routes. Dimensions of such apron shall be 25 feet long by the width of the exit road. • Ensure minimum soil moisture of 12 percent for earthmoving activities by use of a moveable sprinkler system or a water truck. Moisture content shall be measured using a moisture probe onsite and reported to the CPUC on a monthly basis. • Apply chemical soil stabilizers on inactive construction areas or disturbed lands within construction areas that are unused for at least four consecutive days. • All trucks hauling dirt, sand, soil, or other loose materials shall be tarped with a fabric cover and maintain a freeboard height of 12 inches.	**MM AQ-3: Additional Fugitive Dust Controls.**	Verify utilization of fugitive dust control measures	During construction
		MM AQ-5: Volatile Organic Compounds Credits. The remaining emissions of VOC/reactive organic gas (ROG) resulting from construction of the proposed Alberhill Project shall be mitigated through the purchase of Emissions Trading Credits (ETCs) for every pound of VOC/ROG in excess of the SCAQMD regional significance threshold of 100 pounds per day, as measured. The total amount of VOC/ROG ETCs to be purchased shall be calculated once the construction schedule is finalized. The applicant shall purchase and submit documentation of purchase of the required ETC to the SCAQMD prior to the start of construction. The applicant shall also track actual daily emissions during construction according to a monitoring plan, which shall require keeping records of equipment and vehicle usage for the project.	Verify the purchase of VOC credits	Prior to and after construction
Impact AQ-3: Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors).	**Project Commitment J: Air Emissions Controls.** **MM AQ-1: Minimize NOx and PM emissions from off-road diesel powered construction equipment.** **MM AQ-2: Oxides of Nitrogen (NO_X) Credits.** **MM AQ-3: Additional Fugitive Dust Controls.**	**Project Commitment J: Air Emissions Controls.** **MM AQ-1: Minimize NO_X and PM emissions from off-road diesel powered construction equipment.** **MM AQ-2: Oxides of Nitrogen (NO_X) Credits.** **MM AQ-3: Additional Fugitive Dust Controls.** **MM AQ-5: Volatile Organic Compounds (VOC) Credits.**	See above	See above
Impact AQ-4: Expose sensitive receptors to substantial pollutant concentrations		**Project Commitment J: Air Emissions Controls.** **MM AQ-1: Minimize NOx and PM emissions from off-road diesel powered construction equipment.** **MM AQ-3: Additional Fugitive Dust Controls.**	See above	See above
Impact AQ-5: Create objectionable odors affecting a substantial number of people.	**MM AQ-4: Odor Reduction at Staging Yard VIG13.** At Staging Yard VIG13, heavy equipment use shall be conducted at least 36 feet away from the Southern California Online Academy property.		Verify use of heavy equipment	During construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
Biological Resources				
Impact BR-1: 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 CDFW or USFWS.	**Project Commitment B: Worker Environmental Awareness Plan.** Prior to construction, a Worker Environmental Awareness Plan would be developed based on final engineering designs, the results of preconstruction surveys, and mitigation measures developed by the California Public Utilities Commission (CPUC). A presentation would be prepared by the applicant and shown to all site workers prior to their start of work. A record of all trained personnel would be kept with the construction foreman. In addition to the instruction for compliance with any site-specific biological or cultural resource protective measures and project mitigation measures, all construction personnel would also receive the following: • A list of phone numbers of the applicant's personnel (i.e., archeologist, biologist, environmental compliance coordinator, and regional spill response coordinator); • Instruction on the South Coast Air Quality Management District Rule 403 for control of dust; • Instruction on what typical cultural resources look like, and if discovered during construction, to suspend work in the vicinity of any find and contact the site foreman and archeologist or environmental compliance coordinator; • Instruction on washing the wheels, tracks, and underbodies of construction vehicles to minimize the spread of invasive species; • Instruction on individual responsibilities under the CWA, the Storm Water Pollution Prevention Plan (SWPPP) for the proposed projects, site-specific Best Management Practices (BMPs), and the location of Material Safety Data Sheets for the proposed projects; • Instructions to notify the foreman and regional spill response coordinator in case of hazardous materials spills and leaks from equipment or upon the discovery of soil or groundwater contamination; • A copy of the truck routes to be used for material delivery; and • 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 proposed projects.	**Project Commitment B: Worker Environmental Awareness Plan.**	Verify the preparation and implementation of worker environmental awareness plan	Prior to and during construction
	Project Commitment C: Raptor Protection on Power Lines. The applicant would design all 115-kV subtransmission structures consistent with the *Suggested Practices for Raptor Protection on Power Lines: The State of the Art in 2006* (APLIC 2006).	**Project Commitment C: Raptor Protection on Power Lines.**	Verify implementation of APLIC recommendations	Prior to and during construction
	Project Commitment D: Habitat Restoration and Revegetation Plan.	**Project Commitment D: Habitat Restoration and Revegetation Plan.**	See above	See above

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	Project Commitment H: Noise Control. • All construction and general maintenance activities, except in an emergency, would be limited to the hours of 7:00 a.m. to 7:00 p.m. and prohibited on Sundays and all legally proclaimed holidays. If the California Independent System Operator and/or California Department of Transportation require that conductor stringing over freeways or highways occur after 7:00 p.m., or on a Sunday, the applicant would obtain variances from all applicable jurisdictions. • Construction equipment would use noise reduction features (e.g., mufflers and engine shrouds) that are no less effective than those originally installed by the manufacturer. • Construction traffic would be routed away from residences and schools where feasible. • Unnecessary construction vehicle use and idling time would be minimized to the extent feasible. The ability to limit construction vehicle idling time is dependent upon the sequence of construction activities and when and where vehicles are needed or staged. A "common sense" approach to vehicle use would be applied; if a vehicle is not required for use immediately or continuously for construction activities, its engine should be shut off. Note: certain equipment, such as large diesel-powered vehicles, require extended idling for warm-up and repetitive construction tasks. • The applicant would notify all receptors within 500 feet of construction of the potential to experience significant noise levels during construction. • During construction, the applicant would use sound walls, noise-reduction blankets, or other noise reduction measures prior to developing the project site in areas where sensitive receptors would be subjected to significant noise impacts. • The applicant would shield small stationary equipment with portable barriers within 100 feet of residences. • The applicant would minimize engine idling and turn off engines when not in use. • Where blasting is required, the applicant would conduct additional pre-blast notification and coordination with residents, utilities, and others that may be affected by blasting operations.	**Project Commitment H: Noise Control. All construction and general maintenance activities, except in an emergency, would be limited to the hours of 7:00 a.m. to 7:00 p.m. and prohibited on Sundays and all legally proclaimed holidays.**	Verify implementation of noise control measures	During construction
	MM BR-1: Limit Construction to Designated Areas and Avoid Riparian, Aquatic, and Wetland Areas. Outside MSHCP boundaries, vehicular traffic (including movement of all equipment) shall be restricted to approved access roads and established construction areas shown in Figure 2.4 of the EIR. These areas shall be delineated in the field with flagging and signage. If disturbance is required outside the established construction areas, CPUC notification and approval shall be required. Sensitive resources such as waterbodies, oak trees, and special status plant populations shall be clearly marked for avoidance with flagging and signage. Nighttime lighting, if necessary adjacent to aquatic areas, shall be shielded away from these areas to prevent impacts on aquatic wildlife.	**MM BR-1: Limit Construction to Designated Areas and Avoid Riparian, Aquatic, and Wetland Areas.**	Verify avoidance of wetlands	During construction
	MM BR-2: Preconstruction Surveys. Qualified biologists shall conduct preconstruction surveys no less than seven days prior to the start of construction in any given project construction area. Surveyors shall focus on areas proposed for vegetation removal or ground disturbance that are within habitat that a qualified biologist has deemed suitable for sensitive species. As part of preconstruction surveys, the composition of the vegetation community shall be surveyed to establish baseline conditions prior to construction and to guide post-construction restoration efforts. The surveys shall be conducted to determine the presence of special status plants, noxious weeds, and all wildlife species for the purpose of preventing direct loss of vegetation and wildlife and the spread of noxious plant species. Preconstruction surveys shall be performed for each discrete work area prior to the start of ground disturbance, or if work has lapsed for longer than one week. Biologists shall document survey results in a daily logbook.	**MM BR-2: Preconstruction Surveys.**	Verify the completion of survey	Prior to construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	MM BR-3: Biological Monitoring During Construction. In areas where sensitive resources may be impacted by construction activities, a qualified biological monitor shall be present during construction activities. The monitor shall have the authority to temporarily stop work that he or she determines to be threatening to a special status wildlife or plant species. The monitor shall determine appropriate action, and work will resume once the monitor determines there is no longer a threat to the special status species or approval has been obtained from the appropriate wildlife agencies or CPUC.	**MM BR-3: Biological Monitoring During Construction.**	Verify the monitoring of construction activities	During construction
	MM BR-4: Limit Removal of Native Vegetation Communities and Trees. For project areas located outside the MSHCP boundaries, the removal of native vegetation and trees shall be limited to the minimum practicable area required for construction of the project. Grading, grubbing, graveling, or paving shall only occur for permanent project components. The applicant shall use temporary staging areas in a way that facilitates post-construction restoration.	**MM BR-4: Limit Removal of Native Vegetation Communities and Trees.**	Verify the minimization of native vegetation removal	During construction
	MM BR-5: California gnatcatcher protection measures. A qualified biologist shall conduct preconstruction surveys no more than seven days prior to removal of Riversidean sage scrub habitat during the coastal California gnatcatcher breeding season (15 February through 15 August). Should nesting coastal California gnatcatcher be observed during preconstruction surveys, vegetation removal and other construction-related disturbance shall not commence within the applicable nest buffer area, as identified in the projects' Nesting Bird Management Plan, until the nest is determined to be inactive.	**MM BR-5: California gnatcatcher protection measures**.	Verify the implementation of protection measures	During construction
	MM BR-6: Oak tree protection measures. This measure applies to oak trees in all project areas. Preventive measures shall be taken during construction activities to minimize impacts in the protected zone of each oak tree. The protected zone commences at a point 5 feet outside the dripline and extends inward to the trunk of the tree. All work conducted in the protected zone of oak trees shall be performed using hand implements and in the presence of a certified arborist. If it is determined that oak tree removal is necessary, the applicant shall relocate oak trees to a place outside of the area of anticipated impacts under the direction of the certified arborist. If the applicant cannot feasibly relocate oak trees that are removed, 15-gallon oak trees or larger shall be planted at a 2:1 ratio within the appropriate habitat to replace removed trees. These replacement trees shall be indigenous coast live oak trees that have been grown in a natural form (no topping or street tree forming). The applicant shall be responsible for monitoring and maintaining the relocated or replacement trees for a minimum of two years. In addition, the following minimization measures shall be implemented under the direction of the certified arborist: • Equipment, materials, and vehicles shall not be stored, parked, or operated within the protected zone of an oak tree, except on sites approved for this use by a certified arborist. • Removal of the natural leaf mulch within the protected zone of oak trees is prohibited except where absolutely necessary. • All trees not approved for removal shall be fenced or flagged for avoidance and to designate the protected zone. • Any pruning, including removal of dead wood, shall be performed in compliance with the latest American National Standards Institute pruning standards by a certified arborist (or certified tree worker). • Any root-pruning required within the protected zone of an oak shall be limited to the minimum amount necessary. All root-pruning shall consist of clean, 90-degree angle cuts utilizing sharp hand tools. Any major roots (2 inches or greater in diameter) encountered shall be preserved to the extent possible and wrapped in moist burlap until the soil is replaced. Soil shall be replaced around preserved roots as soon as possible.	**MM BR-6: Oak tree protection measures.**	Verify the implementation of protection measures	During construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	MM BR-7: Habitat Restoration and Revegetation Plan Requirements. Pursuant to Project Commitment D, the applicant shall develop a Habitat Restoration and Revegetation Plan to address ground disturbance in all project areas. In addition to including the provisions set forth in Project Commitment D, the Habitat Restoration and Revegetation Plan shall detail topsoil segregation and conservation methodology; restoration of special status plant species habitat; vegetation removal and revegetation methods, including seed mixes, rates, and transplants; criteria to monitor and evaluate revegetation success; and alternative restoration and revegetation methods in the event that the revegetation success criteria are not initially reached. The applicant shall implement the Habitat Restoration and Revegetation Plan until the restoration success criteria are achieved. Appropriate agencies (CPUC, USFWS, and CDFW) shall be consulted during the preparation of the Habitat Restoration and Revegetation Plan. A copy of the final Habitat Restoration and Revegetation Plan, along with documentation of agency review and incorporation of comments into the final version, shall be provided to the CPUC for approval prior to the CPUC issuing a notice to proceed.	**MM BR-7: Habitat Restoration and Revegetation Plan Requirements.**	Verify the preparation and implementation of habitat restoration and revegetation plan	Prior to, during, and post construction
	MM BR-8: Special Status Plant Avoidance and Mitigation Measures. For project areas located outside MSHCP boundaries, the applicant shall avoid the special status plant populations listed in Appendix G, Table 1. However, where avoidance is not feasible, special status plants in project work areas shall be identified in the field, and the following avoidance measures shall be implemented to minimize the possibility of inadvertent encroachment: • A qualified biologist shall flag or otherwise mark special status plants. Construction crews will avoid direct or indirect impacts on these flagged areas. Should impacts on special status plants be unavoidable, the applicant will implement the following measures: - A qualified botanist shall determine if transplantation is feasible. If determined feasible, a qualified botanist shall develop and implement a transplantation plan in coordination with appropriate agencies (CDFW, RCA). The special status plant transplantation plan shall identify a suitable transplant site, moving the plant material and seed bank to the transplant site, collecting seed material and propagating it in a nursery, and monitoring the transplant sites to document recruitment and survival rates. - If transplantation is infeasible, the applicant shall replace impacted special status plants at a 2:1 ratio within the project area within one year of the end of construction. Measures to restore special status plants shall be implemented in accordance with the Habitat Restoration and Revegetation Plan (MM BR-7).	**MM BR-8: Special Status Plant Avoidance and Mitigation Measures.**	Verify the implementation of protection measures	During construction
	MM BR-9: Invasive Plant Control Measures. The applicant shall develop an Invasive Plant Management Plan outlining measures to prevent the spread of invasive plants such as tamarisk (*Tamarix* sp.) and giant reed (*Arundo donax*) during construction of the projects. The Invasive Plant Management Plan shall include, but is not limited to, the following measures: • All vehicles and equipment shall be cleaned prior to arrival at the work site. • Straw or hay bales used for sediment barrier installations or mulch distribution shall be obtained from weed-free sources. The Invasive Plant Management Plan will be submitted to the CDFW and CPUC for review and comment no more than three months prior to the start of construction. A copy of the final Invasive Plant Management Plan, along with documentation of agency review (CDFW and CPUC) and incorporation of comments into the final version, shall be provided to the CPUC for approval prior to the CPUC issuing a notice to proceed.	**MM BR-9: Invasive Plant Control Measures.**	Verify the preparation and implementation of invasive plant management plan	Prior to and during construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	MM BR-10: Prevent Wildlife Entrapment. In all project work areas, the applicant shall install covers, ramps, and/or fencing to avoid trapping wildlife in excavations or trenches. Covers must be weighted at the edges or installed in a way that prevent wildlife from attempting to burrow beneath the cover. Fine-gauge fencing shall be used to prevent small animals from passing through the fence. Ramps with an angle of less than 45 degrees shall be utilized. The applicant's biological monitor will check open trenches and excavations for trapped wildlife each morning prior to the start of work on the trench or excavation. Trenches and excavations that are covered for more than one week will be inspected on a weekly basis. In addition, where retaining walls or another method of slope stabilization are required, the facility shall be sited, designed, and oriented to avoid impacts on the movement of native wildlife species and established wildlife corridors in coordination with the wildlife agencies (USFWS, CDFW, RCA).	**MM BR-10: Prevent Wildlife Entrapment.**	Verify the prevention of wildlife entrapment	During construction
	MM BR-11: Migratory Birds and Raptors Impact Reduction Measures. The applicant shall develop a Nesting Bird Management Plan in consultation with the USFWS and CDFW that outlines protective measures and BMPs that shall be employed in all project work areas to prevent disturbance of active nests. The final Plan shall be submitted to the CPUC for approval. The Nesting Bird Management Plan shall include the following components: species-specific buffer distances (including vertical buffers in areas where helicopters will be used) and conditions under which these buffer distances can be reduced, including concurrence by the CDFW, USFWS, and CPUC for special status species; dates of local breeding seasons during which nest surveys shall be conducted; preconstruction nest survey timing, methods, and surveyor qualifications; nest deterrent methods, including vegetation clearing; monitoring and reporting protocols during construction; protocols for determining whether a nest is active; protocols for documenting, reporting, and protecting active nests within construction areas; and avian monitor qualifications. If preconstruction survey protocols exist for a certain species, the Nesting Bird Management Plan shall incorporate these protocols. The survey area shall include the construction area, plus an additional distance large enough to accommodate the protective buffer of bird species likely to occur in proximity to the construction area. The Nesting Bird Management Plan shall further specify that active bird nests shall not be removed during breeding season unless the projects are expressly permitted to do so by the USFWS or CDFW; all project-related nest failures shall be reported to the USFWS and CDFW; and the biological monitor shall halt work if he or she determines that active nests would be disturbed by construction activities. If construction begins during the breeding season (February 1 through August 31), the Nesting Bird Management Plan shall be submitted to the USFWS and CDFW for review and comment no less than six months prior to the start of construction, with the intent that the plan will be finalized no less than two months prior to the start of construction. A copy of the final Nesting Bird Management Plan, along with documentation of agency review (CDFW, USFWS, CPUC) and incorporation of comments into the final version, shall be provided to the CPUC for approval prior to the CPUC issuing a notice to proceed during the breeding season.	**MM BR-11: Migratory Birds and Raptors Impact Reduction Measures.**	Verify the preparation and implementation of nesting bird management plan	Prior to and during construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	MM BR-12: Burrowing Owl Impact Reduction Measures. To reduce impacts on burrowing owls, the applicant shall implement the following measures in all project work areas: • Surveys for burrowing owls will be conducted by a qualified biologist within 30 days of construction during the non-breeding season and within 14 days of construction during the breeding season (February 1 through August 31) to confirm whether burrowing owls occupy the site. Surveys shall be performed throughout the project areas that contain suitable burrowing owl habitat, with a potential to be impacted by construction activities, plus an additional area extending 300 feet from the projects' boundaries. • If an occupied burrow is identified, the applicant shall adhere to buffer distances detailed in the *Staff Report on Burrowing Owl Mitigation* (CDFG 2012). • The biologist will report all project-related impacts on burrowing owl to the appropriate resource agencies (CDFW and RCA, depending on the location of the impact). • If impacts on burrowing owls or occupied burrows are unavoidable, the applicant shall develop and implement a Burrowing Owl Compensation Plan in consultation with the CDFW and RCA that is consistent with mitigation guidelines as outlined in the *Staff Report on Burrowing Owl Mitigation* (CDFG 2012) or MSHCP guidelines for burrowing owl mitigation and compensation, as appropriate. The Burrowing Owl Compensation Plan shall describe the compensatory measures that will be undertaken to address the loss of burrowing owl burrows within the project area. The compensatory mitigation shall include mitigation for permanent impacts on nesting, occupied, and satellite burrows and occupied burrowing owl habitat by permanent conservation of vegetation communities comparable to or better than the impacted area on sufficiently large acreage containing fossorial mammals.	**MM BR-12: Burrowing Owl Impact Reduction Measures.**	Verify the implementation of protection measures	During construction
	MM BR-13: Trash Abatement. The applicant shall keep project areas free of trash and debris. Food-related trash items shall be stored in enclosed containers and regularly removed from site.	**MM BR-13: Trash Abatement.**	Verify trash removal	During construction
	MM BR-14: Protection of Special Status Species on Castle and Cooke Land. The applicant is entering into an agreement with the RCA to allow for coverage of the Valley–Ivyglen and Alberhill Projects' obligations under the MSHCP on Castle and Cooke property, which falls outside MSHCP boundaries and thus is exempt from mitigation under the MSHCP. If this agreement is finalized prior to the start of construction, it shall be in effect for the duration of the projects or until SCE opts out. Should SCE opt out of the MSHCP, or if this agreement with the RCA is not finalized, the applicant shall implement the same or a greater level of species-specific avoidance, mitigation, restoration, and compensation measures as would have been required under the MSHCP. These additional measures would include MM BR-1, MM BR-4, and MM BR-8.	**MM BR-14: Protection of Special Status Species on Castle and Cooke Land.**	Verify the implementation of protection measures	During construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
		MM BR-16: Stephens' Kangaroo Rat Take Avoidance within Core Reserve. The applicant shall ensure that take of SKR within the Lake Mathews-Estelle Mountain Core Reserve does not occur during any project construction activity. To avoid take of SKR, the following measures shall be implemented: ***Daylight Hours Only*** • No vehicle or equipment use for any project construction activity shall occur within the Core Reserve or on its roadways within 30 minutes prior to sunset or 30 minutes after sunrise except during an emergency condition. If an emergency condition occurs and nighttime access or use is necessary, the CPUC shall be notified within 24 hours. To the extent feasible, biological monitors qualified to monitor for SKR shall be present during emergency access to the Core Reserve. ***Monitoring*** • No more than 14 days prior to conducting any project construction activity within the Core Reserve, biological monitors qualified to monitor for SKR shall complete preconstruction surveys and flag confirmed and potential SKR burrow complexes (including burrows that may be used by other kangaroo rat species) for avoidance. Survey areas shall include Lake Street and all access roads to 500-kV tower sites evaluated in the EIR and approved by the CPUC for construction access, plus a 25-foot buffer area (except in areas inaccessible by foot) on each side of these roads. Surveyed and flagged areas shall also include all 500-kV ROWs to be accessed within the Core Reserve. ***Vehicle Use*** • Vehicle use and worker access within the Core Reserve shall be minimal. Vehicles shall not travel faster than 10 miles per hour within the Core Reserve. All construction vehicles and equipment shall remain on existing access and maintenance roads used to access the applicant's 500-kV towers within the Core Reserve. • Biological monitors qualified to monitor for SKR shall accompany all workers to and from all work sites within the Core Reserve, and shall conduct daily clearance sweeps immediately prior to any project construction activity for all areas within the Core Reserve to be accessed that day. • If activities at 500-kV tower sites adjacent to the Core Reserve require equipment to back up into the Core Reserve on areas that are not existing access roads, biological monitors qualified to monitor for SKR shall monitor the process of backing up and exiting the Core Reserve areas and all activities that occur in proximity to the equipment while it is located within the Core Reserve area. Equipment shall be carefully inspected by the monitors for SKR prior to backing up or exiting the Core Reserve area. If SKR are present, the equipment shall not be moved until all SKR have left the equipment and all areas within 20 feet of the equipment. ***Signage*** • Clearly marked and visible signs listing the required speed limit and reminding drivers to watch for and avoid kangaroo rats shall be posted at the entry point into the Core Reserve and at regular intervals thereafter (at minimum every 0.25 miles) along all roads to be accessed within the Core Reserve. ***Other Requirements*** • The applicant shall not access the 0.5-mile Hilltop Road segment located within the Core Reserve between 500-kV Towers M13-12 and M13-T1 other than by foot. If accessed by foot, no more than 14 days prior to access, preconstruction surveys shall be conducted along the 0.5-mile Hilltop Road segment to identify and flag potential kangaroo rat burrow complexes for avoidance. No activities other than grounding and wire snubbing and vehicle use required for these activities shall occur at 500-kV tower sites located within the Core Reserve.	Verify the implementation of protection measures	During construction

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Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
Impact BR-2: Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the CDFW or USFWS.	**Project Commitment B: Worker Environmental Awareness Plan.** **Project Commitment D: Habitat Restoration and Revegetation Plan.** **MM BR-1: Limit Construction to Designated Areas and Avoid Riparian, Aquatic, and Wetland Areas.** **MM BR-2: Preconstruction Surveys.** **MM BR-3: Biological Monitoring During Construction.** **MM BR-4: Limit Removal of Native Vegetation Communities and Trees.** **MM BR-6: Oak tree protection measures.** **MM BR-7: Habitat Restoration and Revegetation Plan Requirements.** **MM BR-9: Invasive Plant Control Measures.**	**Project Commitment B: Worker Environmental Awareness Plan.** **Project Commitment D: Habitat Restoration and Revegetation Plan.** **MM BR-1: Limit Construction to Designated Areas and Avoid Riparian, Aquatic, and Wetland Areas.** **MM BR-2: Preconstruction Surveys.** **MM BR-3: Biological Monitoring During Construction.** **MM BR-4: Limit Removal of Native Vegetation Communities and Trees.** **MM BR-6: Oak tree protection measures.** **MM BR-7: Habitat Restoration and Revegetation Plan Requirements.** **MM BR-9: Invasive Plant Control Measures.**	See above	See above
Impact BR-3: Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means.	**MM BR-1: Limit Construction to Designated Areas and Avoid Riparian, Aquatic, and Wetland Areas.** **MM BR-2: Preconstruction Surveys.** **MM BR-3: Biological Monitoring During Construction.**	**MM BR-1: Limit Construction to Designated Areas and Avoid Riparian, Aquatic, and Wetland Areas.** **MM BR-2: Preconstruction Surveys.** **MM BR-3: Biological Monitoring During Construction.**	See above	See above
	MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs). BMPs to be included in the SWPPP shall include, but are not limited to, the following: • The applicant shall not stockpile brush, loose soils, excavation spoils, or other similar debris material within sensitive habitats. • If visible dust is present during construction activities, standard dust suppression techniques (e.g., water spraying) shall be used in all ground disturbance areas. • During construction activities, measures shall be in place to ensure that contaminants are not discharged from construction sites. The SWPPP shall define areas where hazardous materials and trash will be stored; vehicles will be parked, fueled, and serviced; and construction materials will be stored. • Runoff, sedimentation, and erosion shall be minimized through the use of water bars, silt fences, staked straw bales, wattles, and mulching and seeding of all disturbed areas. These measures shall be designed to minimize ponding, eliminate flood hazards, and avoid erosion and siltation into any creeks, streams, rivers, or bodies of water, and to preserve roadways and adjacent properties. BMPs shall be included for helicopter landing, fueling, and servicing areas and areas where helicopters are used for construction activities. For the proposed Valley–Ivyglen Project, BMPs shall also be included for blasting.	**MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).**	Verify the implementation of protection measures	During construction

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Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	• Equipment storage, fueling, and staging areas shall be located in upland sites away from riparian areas or other sensitive habitats. These designated areas shall be located to prevent any runoff from entering sensitive habitat. Where vehicle maintenance (excluding fueling) cannot be avoided in areas outside those previously identified, these maintenance activities shall be performed at least 150 feet from all aquatic resources, or as specified by agency permits, on an impermeable bladder or tarp specified for such maintenance activities. Project-related spills of hazardous materials shall be cleaned up immediately and contaminated soils removed to approved disposal areas. Verification of Construction General Permit coverage approval and the approved SWPPP(s) shall be provided to the CPUC at least 30 days prior to start of construction. Updated SWPPPs shall be provided to the CPUC on request during construction.			
Impact BR-4: Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites.	**Project Commitment B: Worker Environmental Awareness Plan.** **MM BR-7: Habitat Restoration and Revegetation Plan Requirements.** **MM BR-10: Prevent Wildlife Entrapment.** **MM BR-11: Migratory Birds and Raptors Impact Reduction Measures.** **MM BR-12: Burrowing Owl Impact Reduction Measures.**		See above	See above
Impact BR-6: Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.	**MM BR-6: Oak tree protection measures.** **MM BR-7: Habitat Restoration and Revegetation Plan Requirements.** **MM BR-8: Special Status Plant Avoidance and Mitigation Measures.** **MM BR-11: Migratory Birds and Raptors Impact Reduction Measures.** **MM BR-12: Burrowing Owl Impact Reduction Measures.**	**MM BR-2: Preconstruction Surveys.** **MM BR-3: Biological Monitoring During Construction.** **MM BR-6: Oak tree protection measures.** **MM BR-7: Habitat Restoration and Revegetation Plan Requirements.** **MM BR-8: Special Status Plant Avoidance and Mitigation Measures.** **MM BR-9: Invasive Plant Control Measures.** **MM BR-11: Migratory Birds and Raptors Impact Reduction Measures.** **MM BR-12: Burrowing Owl Impact Reduction Measures.** **MM BR-16: Stephens' Kangaroo Rat Take Avoidance within Core Reserve.**	See above	See above

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
Cultural Resources				
Impact CR-1: Substantial adverse change in the significance of an historical or archaeological resource.	**Project Commitment B: Worker Environmental Awareness Plan.**	**Project Commitment B: Worker Environmental Awareness Plan.**	See above	See above
	MM CR-1a: Ensure preconstruction survey coverage of all work areas and staging areas. Prior to construction, the applicant shall compare the limits of the work areas and staging areas to project maps that show where areas have been previously surveyed for cultural resources at the Intensive Cultural Resources Inventory level. The applicant shall verify the proposed work areas and staging areas have been surveyed at the Intensive Cultural Resources Inventory level. An Intensive Cultural Resources Inventory level of survey is defined here as consisting of pedestrian surveys with transects spaced no farther apart than 15 meters except where field conditions such as exceptionally dense vegetation or steep slopes make walking transects difficult. In order to rely upon a prior survey for a work area, all areas that can be reasonably covered by transect surveys within such work area shall have been surveyed. If such a prior survey has been completed in the proposed work area or staging area, work can commence as follows: • If no known resources are located in the work area or staging area, work or staging can proceed in the area. Previously unknown resources that are discovered during work activities shall be subject to MM CR-1b. • If known resources are located in the work area or staging area, they must be avoided pursuant to MM CR-1b. Previously unknown resources that are discovered during work activities shall be subject to MM CR-1b. If such a prior survey has not been completed in the proposed work area or staging area, then work may not commence until an Intensive Cultural Resources Inventory has been completed by a CPUC-approved archaeologist or cultural resources specialist and reviewed and approved by the CPUC. If a resource is found during the survey, the applicant shall adhere to MM CR-1b procedures for unanticipated resources.	**MM CR-1a: Ensure preconstruction survey coverage of all work areas and staging areas.**	Verify completion of survey	Prior to construction
	MM CR-1b: Avoid impacts to known and undiscovered historic resources and unique archaeological resources (except for site P33-000714). SCE shall prepare a Cultural Resources Monitoring and Treatment Plan (CRMTP) for known and unknown resources that are eligible or potentially eligible for the California Register or are unique archaeological resources, except P33-000714, which is subject to MM CR-6. The CRMTP shall be reviewed and approved by the CPUC prior to the start of construction. To implement MM CR-1b SCE shall: • Retain a qualified archaeologist, who shall prepare the CRMTP, oversee archaeological and Native American monitors, evaluate discoveries, and prepare Evaluation and Data Recovery Plans and subsequent reports. This archaeologist shall, at the minimum, meet the Secretary of Interior's Professional Qualifications Standards for archaeology and be approved by the CPUC. • Prepare the CRMTP, which shall include the following. - Mapping. The CRMPT shall map all known California Register eligible or potentially eligible resources in and within 100 feet of work areas. Maps shall be updated as necessary to incorporate any new information obtained pursuant to MM CR-1a.	**MM CR-1b: Avoid impacts to known and undiscovered historic resources and unique archaeological resources (except for site P33-000714).**	Verify the preparation and implementation of cultural resources monitoring and treatment plan	Prior to and during construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	- Environmentally Sensitive Areas (ESA) Delineation. The CRMTP should describe how California Register eligible or potentially eligible resources will be delineated and avoided as ESAs during construction. ESAs containing cultural resources shall not be identified on the ground or on maps to be used by anyone other than the qualified archaeologist, Native American monitors, cultural resource monitors, or other cultural resource professionals, as being cultural resources. They shall be labeled on maps and with signage in the field as "environmentally sensitive areas." The sole method of mitigation in the CRMTP for known resources shall be total avoidance of the resource (preservation in place), per CEQA Guidelines section 15126.4(b)(3)(A). The preferred method of mitigation in the CRMTP for unanticipated resources shall be total avoidance (preservation in place). - Unanticipated resource discovery. The CRMPT shall contain a description of procedures to be used if unanticipated cultural resources are discovered during construction. The CRMPT shall require that work shall be halted within 100 feet of the resource, protective barriers shall be installed along with signage identifying the area only as an "environmentally sensitive area" and forbidding entry into the area by all but authorized personnel, and the qualified archaeologist and the CPUC shall be notified. The preferred method of mitigation in the CRMTP shall be total avoidance of the resource (preservation in place), per CEQA Guidelines section 15126.4(b)(3)(A). If the resource can be completely avoided, no additional mitigation is necessary. If the resource cannot be completely avoided, the qualified archaeologist shall then follow the procedures delineated for resources where it is not known whether the resource is historical. If an unanticipated resource is avoided, it shall nonetheless be recorded on California Department of Parks and Recreation 523 forms and filed at the Eastern Information Center. - Determination if a resource is an historical resource. The qualified archaeologist, in consultation with the CPUC, shall determine if there is a potential for the resource to be an historical resource. If there is no potential for the resource to qualify as an historical resource, work shall resume after CPUC concurrence. The CRMTP shall include a framework for evaluating cultural resources. If there is a potential for the resource to be an historic resource, the qualified archaeologist shall prepare an Evaluation Plan. - Evaluation Plan. The resource-specific Evaluation Plan shall detail the procedures to be used to determine if the discovery is an historical resource. The Evaluation Plan shall include sufficient discussion of background and context to allow the evaluation of the resource against the historic resource criteria. It shall include a description of procedures to be used in the gathering of information to allow the evaluation. These techniques may include (but are not limited to): excavation, written documentation, interviews, and/or photography. For archaeological resource testing, the Evaluation Plan should describe the archaeological testing procedures, including, but not limited to: surface collection (if surface artifacts are discovered), test excavations (including type, number, and location of test pits and/or trenches), analysis methods, and reporting procedure. The Evaluation Plan shall be submitted to CPUC for review. Once approved, the Evaluation Plan shall be implemented in the field. The report resulting from this work shall include evaluation of the discovery, based on the significance criteria set forth in the Evaluation Plan, indicating if it is an historic resource. If the discovery is not found to be an historic resource, and CPUC concurs with that determination, protective barriers may be removed, and work may proceed in the area of the discovery. If the discovery is determined to be an historic resource, SCE shall prepare a Data Recovery Plan.			

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	- Data Recovery Plan. Data recovery plans for historic resources that cannot be fully avoided shall be prepared in accordance with CEQA Guidelines section 15126.4(b)(3)(C) and PRC section 21083.2, as applicable. The Data Recovery Plan shall outline how the recovery of data from the resource will mitigate impacts to that resource to below a level of significance. The Data Recovery Plan shall describe the level of effort, including numbers and kinds of excavation units to be dug, excavation procedures, laboratory methods, samples (e.g., pollen, sediment, as appropriate) to be collected and analyzed, analysis techniques that will yield information relevant to the aspects of the site that make it an historic resource, and reporting procedure. This plan shall be submitted to the CPUC for review and approval. Once approved, the applicant shall implement the approved plan. Once the data recovery field work is complete, a Data Recovery Field Memo shall be prepared. - Data Recovery Field Memo. Following implementation of the Data Recovery Plan, the Data Recovery Field Memo shall be prepared. The Data Recovery Field Memo shall briefly describe the data recovery procedures in the field and summarize (at a field catalog level) the materials recovery. The Data Recovery Field Memo shall also identify the number and kind of samples recovered that are appropriate for special analyses, including radiocarbon dating, obsidian sourcing, pollen analysis, microbotanical analysis, and others, as applicable. The Data Recovery Field Memo shall be submitted to CPUC for review and approval. Once the Data Recovery Field Memo has been approved, protective barriers may be removed, and work may proceed in the area of the discovery. A Data Recovery Report shall then be prepared. - Data Recovery Report. Within 90 days of submittal of the Data Recovery Field Memo, a Data Recovery Report shall be prepared presenting the results of the data recovery program, including a description of field methods, location and size of excavation units, analysis of materials recovered (including results of any special analyses conducted), and conclusions drawn from the work. The Data Recovery Report shall also indicate where artifacts, samples, and documentation resulting from the data recovery program will be curated. The CRMPT shall specify that the curation facility meets the requirements of 36 CFR 79. The Data Recovery Report shall be submitted to the CPUC for review and approval. Once approved, the Data Recovery Report shall be filed with the Eastern Information Center. All impacted known resources and all unanticipated resources shall be recorded on California Department of Parks and Recreation 523 forms and filed at the Eastern Information Center with the Data Recovery Report. - The CRMTP shall include a summary of the California laws regarding the discovery of human remains, including: CEQA Guidelines section 15064.5(e); PRC sections 5097.94, 5097.98, and 5097.99; and California Health and Safety Code section 7050.5. In addition, the plan shall include the contact information for the Riverside County Medical Examiner.			
	MM CR-2: Monitor ground disturbing activities (includes Native American monitoring). Archaeological monitoring shall be required for ground disturbing activities in areas with moderate to high archaeological sensitivity. The archaeological monitor(s) shall be approved by CPUC staff prior to the start of construction. If any cultural resources are discovered, the archaeological monitor has the authority to stop ground-disturbing activities in the immediate area of the discovery. The process outlined in the CRMTP required under MM CR-1b shall then be followed.	**MM CR-2: Monitor ground disturbing activities (includes Native American monitoring).**	Verify monitoring of ground disturbing activities	During construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	Native American monitoring shall be required for ground-disturbing activities and all work at P33-00714, if requested by interested Native American tribes and subject to the conditions outlined in this mitigation measure. SCE shall consult with Native American tribes that have requested involvement (including Pechanga and Soboba) to determine where Native American monitoring is required. SCE shall document consultation efforts that show queries to the NAHC and tribes on the NAHC contact list regarding culturally sensitive sites and shall provide this documentation to the CPUC for review and approval prior to any ground-disturbing activities and prior to work at resource P33-00714. Native American monitoring shall be subject to the following conditions: • Tribes requesting presence at construction or excavation activities shall be given 30 days advance notice and shall be provided the opportunity to monitor construction activities as requested in consultation with SCE subject to the terms of this mitigation measure. The applicant shall make a good-faith best effort to schedule construction when a monitor is available. • Attendance by Native American monitors during these activities is ultimately at the discretion of the Tribe and the absence of a Native American monitor shall not delay work if the Native American tribe has been given 30 days advance notice. Documentation of consultation activities shall be included in the monitoring plan. The Native American monitors shall have the ability to temporarily halt work or redirect grading from the immediate vicinity of a potential unanticipated archaeological find that may require recordation and evaluation. The archaeological monitor shall be notified immediately to determine the procedure to follow per MM CR-1b.			
	MM CR-3: Follow historic resource and unique archaeological resource discovery protocol. In the case that a previously unknown resource is discovered during construction activities, the CPUC-approved archaeologist shall determine whether the resource is an historical resource as defined in CEQA Guidelines section 15064.5(a) or a unique archaeological resource as defined in PRC section 21083.2(g). Work can recommence if the resource is determined to be neither. Work shall not be allowed within 150 feet of the resource if the resource meets the criteria for either a historic or unique archaeological resource. The archaeologist shall then consult with the CPUC and adhere to the CRMPT (MM CR-1b) to determine the course of action required to prevent a substantial adverse change to an historical resource or a significant effect on a unique archaeological resource.	**MM CR-3: Follow historic resource and unique archaeological resource discovery protocol.**	Verify implementation of resource discovery protocol	During construction
	MM CR-6: Avoid impacts to contributing elements of P33-000714. All activities within the site boundaries of P33-000714 shall be in accordance with SHPO's concurrence letter, sent to SCE on October 7, 2014. Access road construction shall occur only as described in SCE's letter to the SHPO for concurrence. No contributing elements of P33-000714 shall be impacted during construction, operation, and maintenance activities. An ESA shall be established around contributing elements during construction to prevent access by construction crews. Archaeological monitoring shall be required for construction activities within the boundaries of P33-000714. Archaeological monitoring shall be required for maintenance activities within the boundaries of P33-000714 unless the activities involve only driving on established access roads. The archaeological monitor shall have the authority to stop work in the case of an unanticipated resource. In the case of an unanticipated resource, the process outlined in MM CR-1b shall be implemented. In addition, eucalyptus trees shall not be uprooted at site P-33-000714 but shall be removed by a method that minimizes ground disturbance, such as cutting down the tree and grinding the stump to ground level with a stump grinder.		Verify avoidance of cultural resource	During construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
Impact CR-2: Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.	**MM CR-4: Monitor Paleontologically Sensitive Areas.** SCE shall retain a qualified paleontologist to monitor ground-disturbing activities in paleontologically sensitive areas. The qualified paleontologist shall be approved in advance by the CPUC. The qualified paleontologist shall prepare a brief Paleontological Resource Monitoring Plan that includes methods of paleontological monitoring and includes construction maps delineating areas of ground disturbance that shall be monitored for paleontological resources. These shall include areas where: • There is a high or undetermined paleontological sensitivity. • There is a potential for fossils to occur at a level shallow enough to be adversely affected by project activities. Areas where fossils would likely occur include but are not limited to the Silverado Foundation. Areas where fossils are not reasonably likely to be discovered include areas of igneous substrate, such as the Estelle Mountain volcanic rock. Qualifications for proposed paleontological monitors shall be submitted to the CPUC for review and approval. Only CPUC-approved paleontological monitors shall serve on this project. The paleontological monitor shall have the authority to halt construction in the vicinity of any potential finds in order to begin implementation of MM CR-5.	**MM CR-4: Monitor Paleontologically Sensitive Areas.**	Verify monitoring of ground disturbing activities	During construction
	MM CR-5: Follow Paleontological Resource Discovery Protocol. In the case that a previously unknown paleontological resource is discovered during construction activities, all work within 15 meters of the resource shall be stopped, and the CPUC-approved paleontologist shall determine whether the resource can be avoided. If the resource cannot be avoided, the paleontologist shall determine whether the resource is unique under Part V of CEQA Guidelines Appendix G. A paleontological resource shall be considered unique if it meets the definition of a significant paleontological resource under the 2010 Society of Vertebrate Paleontology *Standard Procedures for the Assessment of Adverse Impacts to Paleontological Resources* definition: Significant paleontological resources are fossils and fossiliferous deposits, here defined as consisting of identifiable vertebrate fossils, large or small, uncommon invertebrate, plant, and trace fossils, and other data that provide taphonomic, taxonomic, phylogentic, paleoecologic, stratigraphic, and/or biochronologic information. Paleontological resources are considered to be older than recorded human history and/or older than middle Holocene (i.e., older than about 5,000 radiocarbon years) (Society of Vertebrate Paleontology 2010). Substantiation of the uniqueness conclusion shall be provided to the CPUC for review and approval. Work shall be allowed to continue if the resource is not unique. If the resource is unique, then work shall remain stopped until the approved paleontologist has consulted with SCE and the CPUC and a feasible approach, approved by the CPUC, has been developed that will prevent destruction of the resource by site protection or recovery. Methods of recovery, testing, and evaluation shall adhere to current professional standards for recovery, preparation, identification, analysis, and curation, such as the 2010 Society of Vertebrate Paleontology *Standard Procedures for the Assessment of Adverse Impacts to Paleontological Resources*. Work can commence following recovery and CPUC approval.	**MM CR-5: Follow Paleontological Resource Discovery Protocol.**	Verify implementation of resource discovery protocol	During construction
Impact CR-3: Disturb any human remains, including those interred outside of formal cemeteries.	**MM-CR-7: Follow Necessary Procedures for Unanticipated Discovery of Human Remains.** The CRMTP (MM CR-1b) shall include a summary of the applicable laws concerning human remains, including: CEQA Guidelines section 15064.5(e); PRC sections 5097.94, 5097.98, and 5097.99; and California Health and Safety Code section 7050.5. These laws require Native American consultation for Native American burial sites. The CPUC shall be notified immediately after the legally-mandated notification of the county medical examiner if any human remains are encountered during construction. Workers shall be trained in procedures to follow in case of unanticipated discovery of human remains as part of the Worker Environmental Awareness Plan.	**MM-CR-7: Follow Necessary Procedures for Unanticipated Discovery of Human Remains.**	Verify implementation of resource discovery protocol	During construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
Geology, Soils, and Mineral Resources				
Impact GE-1: Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault (refer to Division of Mines and Geology Special Publication 42); strong seismic ground shaking; seismic-related ground failure including liquefaction; or landslides.	**Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.** Prior to the start of construction, the applicant shall conduct geotechnical and hydrologic studies and field investigations of the Alberhill Substation site, 500-kV transmission line routes, all 115-kV subtransmission line routes, and all telecommunications line routes. The studies shall include an evaluation of the depth to the water table, liquefaction potential, physical properties of subsurface soils, soil resistivity, and slope stability (landslide susceptibility). The studies shall include soil boring and laboratory testing to determine the engineering properties of soils, would characterize soils and underlying bedrock units, characterize groundwater conditions, and evaluate faulting and seismicity risk. Soil samples shall be collected and analyzed for common contaminants and the presence of hazardous materials. If chemicals are detected in the soil samples at concentrations above action levels, the applicant shall avoid the contaminated soil or work with the property owner to remove the contaminated soil. The results of this study shall be applied to final engineering designs for the projects. The information collected shall be used to determine final tubular steel pole foundation designs. In addition, the applicant shall design Alberhill Substation consistent with the Institute of Electrical and Electronic Engineers 693 Standard, *Recommended Practices for Seismic Design of Substations*.	**Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.**	Verify completion of study and implementation of recommendations	Prior to and during construction
	MM GE-1: Seismic Safety Training. The applicant shall ensure that all construction personnel adhere to the applicant's worker safety guidelines and policies to avoid additional adverse effects to health and safety in the event of an earthquake during construction. These guidelines and policies shall be communicated to construction personnel during a pre-construction Worker Environmental Awareness Program (to be implemented under Project Commitment B), which shall highlight seismic activity as a potential hazard during onsite construction.	**MM GE-1: Seismic Safety Training.**	Verify completion of training	Prior to and during construction
Impact GE-2: Result in substantial soil erosion or the loss of topsoil.	**Project Commitment D: Habitat Restoration and Revegetation Plan.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).**	**Project Commitment A: Landscaping and Irrigation Plan.** **Project Commitment D: Habitat Restoration and Revegetation Plan.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).**	See above	See above
	Project Commitment E: Grading Plan. The Riverside County Flood Control and Water Conservation District shall be consulted regarding grading plans for construction and operation of the proposed projects. The County will review and approved final grading (and drainage) plans prior to start of construction. Storm water improvement sections of the plans shall be designed to maintain a discharge of storm water runoff consistent with the characteristics of storm water runoff presently discharged from project areas including the Alberhill Substation site. Measures included in the plans shall minimize adverse effects on existing or planned storm water drainage systems. Ground surface improvements installed at the site pursuant to the plans shall be designed to minimize discharge of materials that would contribute to a violation of water quality standards or waste discharge requirements. The final grading design shall include features that would minimize erosion and siltation both onsite and offsite. In addition, the final grading (and drainage) design shall be based on the results of the geotechnical study and soil evaluation for the substation site (Project Commitment F).	**Project Commitment E: Grading Plan. The Riverside County Flood Control and Water Conservation District shall be consulted regarding grading plans for construction and operation of the proposed projects.**	Verify preparation and implementation of grading plan	Prior to and during construction
Impact GE-3: Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or offsite landslide, lateral spreading, subsidence, liquefaction or collapse.	**Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.**	**Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.**	See above	See above
Impact GE-4: Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property.	**Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.**	**Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.**	See above	See above

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
Impact GE-5: Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water.		**Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.**	See above	See above
Greenhouse Gases				
No measures apply.				
Hazards and Hazardous Materials				
Impact HZ-1: Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials.	**Project Commitment B: Worker Environmental Awareness Plan.** **Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).** **MM WQ-1: Blasting Plan and Best Management Practices.**	**Project Commitment B: Worker Environmental Awareness Plan.** **Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).**	See above	See above
	MM HZ-1: Hazardous Materials Management. Prior to construction, the applicant shall prepare a hazardous materials management, handling, transport, storage, disposal, and emergency response plan for project construction, operation, and maintenance, following the requirements of applicable federal, state, and local regulations. Components of the plan shall include the following if not otherwise implemented prior to construction in accordance with plans required by the Riverside County Hazardous Materials Management Division: 1. Train project personnel in appropriate work practices including spill prevention and response measures. 2. Contain all hazardous materials at work sites and properly dispose of all such materials. a. Hazardous materials shall be stored on pallets within fenced and secured areas and protected from exposure to weather. b. Fuels and lubricants shall be stored only at designated staging areas. 3. Maintain hazardous material spill kits for small spills at all active work sites and staging areas. 4. Thoroughly clean up all spills as soon as they occur. 5. Store sorbent and barrier materials at the Alberhill Substation site and all construction staging areas, including staging areas used during activities for decommissioning of the Alberhill Substation. Sorbent and barrier materials shall be used to contain runoff from contaminated areas and from accidental releases of oil or other potentially hazardous materials to prevent the runoff from entering the storm drainage system. 6. Perform all routine equipment maintenance at a shop or at the staging area and recover and dispose of wastes in an appropriate manner. 7. Monitor and remove any vehicles with chronic or continuous leaks from use and complete repairs before returning them to operation. 8. Store shovels and drums at the staging area. If small quantities of soil become contaminated, use shovels to collect the soil and store in drums before proper offsite disposal. Large quantities of contaminated soil may be collected using heavy equipment and stored in drums or other suitable containers prior to disposal. Should contamination occur adjacent to staging areas because of runoff, shovels and/or heavy equipment shall be used to collect the contaminated material.	**MM HZ-1: Hazardous Materials Management.**	Verify preparation and implementation of hazard materials management plan	Prior to and during construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	The applicant shall submit the plan to CPUC for review and approval at least 60 days prior to the start of construction. The applicant shall implement the plan during construction, operation, and maintenance of the projects.			
	MM HZ-2: Contaminated Soil/Groundwater Contingency Plan. Prior to the start of construction, to the extent not otherwise included within plans required by the Riverside County Hazardous Materials Management Division, the applicant shall develop a Contaminated Soil/Groundwater Contingency Plan to address the unearthing or exposure of buried hazardous materials or contamination or contaminated groundwater during construction of the projects. The Plan shall detail steps that the applicant or its contractor will take to prevent the spread of contamination, the sampling necessary if contamination is discovered, and remedial action to be taken. The Plan, at minimum, shall include the following: 1. Contact information for federal, regional, and local agencies, the applicant's environmental coordinator(s) responsible for the cleanup of contaminated soil or groundwater, and licensed disposal facilities and haulers. 2. Procedures to minimize environmental impacts in the event that hazardous soils, contaminated groundwater, or other hazardous materials are encountered during construction including stopping work; securing and marking the contaminated area; preventing the spread of contamination; testing; primary, secondary, and final cleanup procedures; and proper disposal in accordance with applicable laws and regulations. 3. Training requirements for construction workers performing excavation activities including training on types of contamination including common contaminants (e.g., petroleum hydrocarbons, lead, mercury, and metals, asbestos, acetone, nitrate, semi-volatile organic compounds and volatile organic compounds (benzene), polychlorinated biphenyls, sanitary waste, and pesticides) and *hazardous materials* (as defined by the California Health and Safety Code) and identifying potentially hazardous contamination (e.g., stained or discolored soil and odor). 4. Dewatering procedures including storage, testing, treatment, and disposal requirements and dewatering BMPs set forth in the applicant's Storm Water Pollution Prevention Plan. The applicant shall submit the plan to CPUC for review and approval at least 60 days prior to the start of construction. The applicant shall implement the plan during construction of the projects.	**MM HZ-2: Contaminated Soil/Groundwater Contingency Plan.**	Verify preparation and implementation of contaminated soil/groundwater contingency plan	Prior to and during construction
Impact HZ-2: Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.	**Project Commitment B: Worker Environmental Awareness Plan.** **Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).** **MM HZ-1: Hazardous Materials Management.** **MM HZ-2: Contaminated Soil/Groundwater Contingency Plan.** **MM WQ-1: Blasting Plan and Best Management Practices.**	**Project Commitment B: Worker Environmental Awareness Plan.** **Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).** **MM HZ-1: Hazardous Materials Management.** **MM HZ-2: Contaminated Soil/Groundwater Contingency Plan.**	See above	See above

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Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	MM HZ-3: DigAlert. As part of the siting and engineering for the projects, the applicant shall precisely locate all underground natural gas lines that may be impacted. Prior to finalizing the engineering design, the applicant shall contact the Underground Service Alert of Southern California (DigAlert) to identify the exact locations of gas pipelines within the project area. In addition, prior to construction the applicant shall contact affected private landowners to determine if septic systems and associated leach fields as well as other underground facilities may be impacted by construction of the projects. Final engineering plans for the projects shall be designed to avoid damage to underground facilities, both public and private. The applicant shall immediately notify by telephone the owner of underground facilities that may have been damaged or dislocated during construction of the projects.	**MM HZ-3: DigAlert.**	Verify utilization of digalert	During construction
Impact HZ-3: Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within 0.25 miles of an existing or proposed school.	**Project Commitment B: Worker Environmental Awareness Plan.** **Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).** **MM HZ-1: Hazardous Materials Management.** **MM HZ-2: Contaminated Soil/Groundwater Contingency Plan.** **MM HZ-3: DigAlert.** **MM WQ-1: Blasting Plan and Best Management Practices.**	**Project Commitment B: Worker Environmental Awareness Plan.** **Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).** **MM HZ-1: Hazardous Materials Management.** **MM HZ-2: Contaminated Soil/Groundwater Contingency Plan.** **MM HZ-3: DigAlert.**	See above	See above
Impact HZ-4: Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment.	**MM HZ-2: Contaminated Soil/Groundwater Contingency Plan.**	**Project Commitment B: Worker Environmental Awareness Plan.** **Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.** **MM HZ-2: Contaminated Soil/Groundwater Contingency Plan.**	**See above**	**See above**
Impact HZ-8: Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands.		**Project Commitment A: Landscaping and Irrigation Plan.**	**See above**	**See above**
	MM HZ-4: Fire Control and Emergency Response. The applicant, in consultation with its contractors, shall develop and implement site-specific fire control and emergency response plans to address the risk of fire or other emergencies (e.g., flooding) during construction, operation, and maintenance of the projects. The plans and a record of contact and coordination with the fire departments with jurisdiction over each worksite shall be submitted to the CPUC for review and approval prior to start of construction. The plans shall describe fire prevention and response practices that the applicant and its contractors will implement to minimize the risk of fire, and in the event of fire or other emergencies, provide for immediate response. The site-specific plans shall specify that the applicant or its contractors will furnish supervision, labor, tools, equipment, and materials for the prevention of fire and extinguishing and controlling the spread of fires started as a result of project activities.	**MM HZ-4: Fire Control and Emergency Response.**	Verify preparation and implementation of fire control and emergency response plan	Prior to and during construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	During Construction: • The applicant or its contractors shall assign Fire Risk Managers who will be present at each worksite during construction activities, whose sole responsibility will be to monitor the contractor's fire-prevention activities, and who will have full authority to stop construction as needed to prevent fire hazards. The Fire Risk Managers shall: - Serve as liaisons to fire departments and act as a point of contact for fire departments in the event of fire or other emergency; - Manage the prevention, detection, control, and extinguishing of fires set accidentally as a result of construction activity; - Review site-specific fire control and emergency response plans with construction personnel prior to starting work at each project area; - Ensure that all construction personnel are trained in fire safety measures relevant to their responsibilities. At minimum, construction personnel shall be trained in fire and emergency reporting and incipient-stage fire prevention, control, and extinguishing (i.e., the fire can be controlled or extinguished by portable fire extinguishers, small hose systems, or portable water supplies without the need for protective clothing or breathing apparatus). Each member of the construction workforce shall be trained and equipped to extinguish small fires; - Be equipped with radio and cellular telephone access for the duration of each work day; - Ensure that all construction personnel are provided with operational radio and cellular telephone access at each worksite to allow for immediate reporting of fires or other emergencies and ensure that communication pathways and equipment are tested and confirmed operational each day prior to initiating construction activities at each worksite; and - Maintain an updated key personnel and emergency services contact (telephone and email) list onsite and available to construction personnel. • Construction workers shall immediately report all fires to the nearest Fire Risk Manager. During All Project Phases: • Equipment installed and maintained as part of the project shall include: - Spark arresters that are in good working order and meet applicable regulatory standards for all internal combustion engines (both stationary and mobile); - Fire suppression equipment on all motorized vehicles that includes, at minimum, one shovel and one pressurized chemical fire extinguisher; - A fire extinguisher capable of extinguishing any equipment-caused fire on all heavy construction equipment; and - Portable communication devices (e.g., radios or cellular telephones) and communication protocols for project workers to coordinate with local agencies and emergency personnel in the event of fire or other emergencies. • Measures to be undertaken by the applicant or its contractors shall include: - Prohibiting smoking during the operation of light or heavy construction equipment; in wildland areas; and within 30 feet of any area where combustible materials (e.g., fuels, gases, and solvents) are stored; - Limiting smoking to paved areas or areas cleared of all vegetation;			

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Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	- Posting no-smoking signs and fire rules on project bulletin boards, at contractor field offices, and in other areas visible to workers during fire season; - Maintaining all worksites in an orderly, safe, and clean manner. Maintaining staging areas and parking areas free of extraneous flammable materials. Removing all oily rags and used oil filters from worksites; - Confining hot-work activities (e.g., welding, brazing, soldering, grinding, and arc cutting) to cleared areas with a minimum 10-foot clearance radius measured from place of hot-work activity; - Ensuring an appropriate fire extinguisher is present before initiating each hot-work activity; - Preventing vehicles with hot exhaust manifolds from idling on roads with combustible vegetation under the vehicles; - Ensuring all Blasting Plan (MM WQ-1) BMPs are followed, e.g., pre-blast and post-blast inspections; - Notifying the fire department with jurisdiction over the worksite in advance of all planned burning activities (e.g., to clear vegetation). Special care shall be taken to prevent damage to adjacent structures, trees, and vegetation during planned burning activities; and - Any additional fire prevention and detection measures to lower the risk of wildland fires. • Measures to be undertaken by the applicant or its contractors for days when the National Weather Service issues a Red Flag Warning for a project area shall include: - Abiding by all restrictions and requirements that may be imposed by fire departments during Red Flag Warning periods (e.g., parking restrictions; road closures; and work activity and equipment use restrictions and requirements); and - Prohibiting smoking at all worksites.			
Hydrology and Water Quality				
Impact WQ-1: Violate any water quality standards or waste discharge requirements.	**Project Commitment B: Worker Environmental Awareness Plan.** **Project Commitment D: Habitat Restoration and Revegetation Plan** **Project Commitment E: Grading Plan. The Riverside County Flood Control and Water Conservation District shall be consulted regarding grading plans for construction and operation of the proposed projects.** **MM HZ-1: Hazardous Materials Management.** **MM BR-7: Habitat Restoration and Revegetation Plan Requirements.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).**	**Project Commitment B: Worker Environmental Awareness Plan.** **Project Commitment D: Habitat Restoration and Revegetation Plan** **Project Commitment E: Grading Plan. The Riverside County Flood Control and Water Conservation District shall be consulted regarding grading plans for construction and operation of the proposed projects.** **MM HZ-1: Hazardous Materials Management.** **MM BR-7: Habitat Restoration and Revegetation Plan Requirements.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).**	See above	See above

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	MM WQ-1: Blasting Plan and Best Management Practices. The applicant or its contractors shall prepare and implement a detailed Blasting Plan for the Valley–Ivyglen Project. This plan shall identify the scope of blasting, all blasting locations, the proximity of facilities to each blasting location, and the types and estimated amounts of blasting agent required for each blasting location. The plan shall be submitted to and approved by the CPUC prior to start of construction and the plan shall be resubmitted for approval if changes are required. The intent of the plan is to: • Reduce the potential for increased turbidity in groundwater and surface water; • Prevent debris from entering drainages, waters of the state, and waters of the United States; and Avoid mishandling of hazardous materials associated with blasting. BMPs shall include, but are not limited to: • Monitor the entire blasting process by licensed blasting personnel and the use of licensed blasters with qualifications that meet all federal, state, and local requirements; • Conduct pre-blast surveys and inspections and conduct post-blast surveys and inspections for blast performance and fire hazards (e.g., undetonated explosive agent or smoldering materials); • Remove and manage muck piles (blast debris) to prevent water contamination; • Place matting or padding to contain flyrock and add an appropriate blasting agent to reduce flyrock; • Select an explosive with appropriate water resistance for the blast site to reduce impacts on groundwater; • Clean loading equipment in an area where waste can be contained and kept away from drainages and other surface water; • Manage muck piles to avoid contact with stormwater and remove them from the project area as soon as reasonably feasible; and • Handle hazardous materials located during blasting in accordance with MM HZ-2.	**MM WQ-1: Blasting Plan and Best Management Practices.**	Verify preparation and implementation of blasting plan	Prior to and during construction
	MM WQ-2: Drainage crossing procedures and practices. Crossing of drainages shall be conducted when the drainage is dry. A qualified aquatic monitor shall inspect the drainage crossing after precipitation and before use to determine whether the drainage is dry or needs to be avoided (e.g., through placement of a temporary bridge) to allow it to dry out and avoid impacts. If a temporary or permanent bridge is required in order to avoid impacts, the following measures shall be implemented: • Any temporary or permanent bridges shall be installed to avoid placement below the Ordinary High Water Mark of the drainage as feasible. • Prior to construction, the applicant shall obtain all necessary permits and approvals from the USACE, Santa Ana RWQCB, and CDFW.	**MM WQ-2: Drainage crossing procedures and practices.**	Verify implementation drainage crossing procedures	During construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	MM WQ-3: Design of access roads with erosion control measures. Access roads shall be designed and built to avoid adverse erosion and siltation impacts. Measures to be incorporated into unpaved roadway design and construction shall include, but are not limited to: • Design road with insloping, outsloping, or crowning; • Incorporate rolling dips; • Incorporate water bars; • Avoid overgrading; and • Build ditches.	**MM WQ-3: Design of access roads with erosion control measures.**	Verify erosion minimization measures	Prior to and during construction
	MM WQ-4: Disposal of groundwater from dewatering excavations. Groundwater extracted as a result of dewatering during construction shall not be discharged to waters of the state without written authorization from the Santa Ana RWQCB. Extracted groundwater shall be disposed of on-site in one of the following manners: • Discharged to an upland area where it will not enter waters of the state but would instead evaporate or infiltrate; • Used for dust control; • Used for irrigation water; • Used for other construction needs; or • Disposed of at a licensed facility if water is suspected of being contaminated or degraded.	**MM WQ-4: Disposal of groundwater from dewatering excavations.**	Verify disposal of dewatered groundwater	During construction
Impact WQ-3: Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site.	**Project Commitment D: Habitat Restoration and Revegetation Plan** **Project Commitment E: Grading Plan. The Riverside County Flood Control and Water Conservation District shall be consulted regarding grading plans for construction and operation of the proposed projects.** **MM BR-7: Habitat Restoration and Revegetation Plan Requirements.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).** **MM WQ-2: Drainage crossing procedures and practices.** **MM WQ-3: Design of access roads with erosion control measures.**	**Project Commitment A: Landscaping and Irrigation Plan.** **Project Commitment D: Habitat Restoration and Revegetation Plan** **Project Commitment E: Grading Plan. The Riverside County Flood Control and Water Conservation District shall be consulted regarding grading plans for construction and operation of the proposed projects.** **MM BR-7: Habitat Restoration and Revegetation Plan Requirements.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).** **MM WQ-2: Drainage crossing procedures and practices.** **MM WQ-3: Design of access roads with erosion control measures.**	See above	See above
		MM WQ-7: Design detention basin to adequate size. SCE shall design the detention basin on the Alberhill Substation site in accordance with the Riverside County Stormwater Quality Best Management Practice Design Handbook (Riverside County Flood Control and Water Conservation District 2006).	Verify design adequacy of detention basin	Prior to construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
Impact WQ-4: Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site.	**MM BR-7: Habitat Restoration and Revegetation Plan Requirements.** **MM WQ-3: Design of access roads with erosion control measures.**	**MM WQ-3: Design of access roads with erosion control measures.** **MM WQ-7: Design detention basin to adequate size.**	See above	See above
	MM WQ-5: Maintain capacity and connectivity of drainages. SCE shall design and construct access roads to maintain the capacity and connection of drainages that are adjacent to and crossed by access roads for the proposed projects. Methods to maintain drainage characteristics include installation of culverts or designing low water crossings. Prior to any alteration of a drainage, including grading or the placement of fill material or culverts in a drainage, SCE shall obtain any permits required by the USACE, Santa Ana RWQCB, and CDFW.	**MM WQ-5: Maintain capacity and connectivity of drainages.**	Verify implementation of drainage protection measures	During construction
	MM WQ-6: Avoid impeding MDP implementation and function. Prior to construction, SCE shall provide final engineering designs to the RCFCWCD for project elements located within MDP areas. Construction within MPD areas shall not be allowed to proceed until SCE obtains written confirmation from the RCFCWCD that project elements located in these areas would not impede the function of flood control facilities and would not prevent implementation of the MDP.	**MM WQ-6: Avoid impeding of MDP implementation and function.**	Verify avoidance of MDP areas	During construction
Impact WQ-5: Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff.		**MM WQ-7: Design detention basin to adequate size.**	See above	See above
Impact WQ-7: Place within a 100-year flood hazard area structures which would impede or redirect flood flows.	**MM WQ-5: Maintain capacity and connectivity of drainages.**		See above	See above
Impact WQ-8: Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam.	**MM HZ-4: Fire Control and Emergency Response.**	**MM HZ-4: Fire Control and Emergency Response.**	See above	See above
Impact WQ-9: Expose people or structures to a significant risk of loss, injury, or death involving inundation by seiche, tsunami, or mudflow	**Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.**		See above	See above

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Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
Land Use and Planning				
Impact LU-2: Conflict with any applicable habitat conservation plan or natural community conservation plan.	**MM BR-6: Oak tree protection measures.** **MM BR-7: Habitat Restoration and Revegetation Plan Requirements.** **MM BR-8: Special Status Plant Avoidance and Mitigation Measures.** **MM BR-11: Migratory Birds and Raptors Impact Reduction Measures.** **MM BR-12: Burrowing Owl Impact Reduction Measures.**	**MM BR-2: Preconstruction Surveys.** **MM BR-3: Biological Monitoring During Construction.** **MM BR-6: Oak tree protection measures.** **MM BR-7: Habitat Restoration and Revegetation Plan Requirements.** **MM BR-8: Special Status Plant Avoidance and Mitigation Measures.** **MM BR-9: Invasive Plant Control Measures.** **MM BR-11: Migratory Birds and Raptors Impact Reduction Measures.** **MM BR-12: Burrowing Owl Impact Reduction Measures.** **MM BR-16: Stephens' Kangaroo Rat Take Avoidance within Core Reserve.**	See above	See above
Noise				
Impact NV-1 : Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies	**Project Commitment H: Noise Control.**	**Project Commitment H: Noise Control.**		
	MM NV-1 Construction and Maintenance Noise Reduction Measures. Prior the start of construction, the applicant shall prepare and submit to the CPUC a Noise Control Plan t, which shall detail the frequency, location, and methodology for noise monitoring prior to and during the proposed construction activities. The Noise Control Plan will shall also detail the actions and procedures that the applicant will implement to avoid significant impacts from temporary ambient noise increases. Measures in the Noise Control Plan shall include, but not be limited to the following: • Limiting the timeframes for heavy-duty equipment usage to less than 4 hours per day, • Reducing the number of pieces of equipment concurrently operating, as feasible. • Using construction equipment specifically designed for low noise emissions (i.e., equipment that is powered by electric or natural gas engines instead of diesel or gasoline reciprocating engines). Electric engines have been reported to have lower noise levels than internal combustion engines. • Compensating residents for temporary relocation during high-noise activities that cannot be reduced to less than 75 dBA • If noise from construction and maintenance equipment will result in noise levels in excess of 75 dBA at the closest residential receptor's property line, the applicant shall implement additional noise reduction measures, including the use of portable noise absorption screens surrounding the specific work area and a staggered construction work practice as needed, to ensure that noise levels in areas close to sensitive receptors are within an acceptable range (i.e., 65 to 75 dBA, to the extent technically and economically feasible).	**MM NV-1 Construction and Maintenance Noise Reduction Measures.**	Verify preparation and implementation of noise monitoring plan	Prior to and during construction

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Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	• The applicant shall provide a written request to the CPUC regarding any construction that will occur during the hours of 7:00 p.m. to 7:00 a.m. or on Sundays any legally proclaimed holidays. The written request shall include justification of why work must occur during these hours/days, and a detailed description of work activities and location to be performed. The applicant must receive approval from the CPUC prior to any construction work occurring during these times. • The applicant shall monitor construction and maintenance noise levels in hourly equivalent averages Leq(h) before and during construction activities planned within 50 feet of noise sensitive receptors. During the project construction period, noise measurements shall be taken on a daily basis and reported to the CPUC on a monthly basis, within 15 days of the end of the monitoring period. The applicant shall submit the Noise Control Plan to the CPUC for review and approval at least 30 days prior to the start of project construction. The applicant shall comply with all requirements of the approved Noise Control Plan whenever it applies during construction and maintenance activities for the projects.			
		MM NV-3 Low-Noise Substation Equipment and Noise Barriers. The applicant shall ensure that the Alberhill Substation operational noise levels will not exceed 45 dBA-10-minute L_{eq} at the closest sensitive receptor, as specified in Riverside County General Plan Policy N4.1. This shall be achieved either through use of low-noise substation equipment or installation of noise barriers or both. The applicant shall conduct monitoring and reporting of operational noise levels at the substation according to the specifications in the Riverside County General Plan Appendix I and the Riverside County Department of Public Health "Requirement for Determining and Mitigating Non-Transportation Noise Source Impacts to Residential Properties."	Verify noise level	During operation
		MM NV-4 Corona Noise Reduction Insulators. The applicant shall ensure that the Alberhill System 500-kV transmission line corona audible noise levels will not exceed 45 dBA-10-minute L_{eq} at the closest sensitive receptor, as specified in Riverside County General Plan Policy N4.1. This shall be achieved by the use of additional insulation equipment and additional technological solutions to reduce corona noise levels during rainy and fair weather conditions. To verify the efficiency of the corona noise reduction equipment, the applicant will measure operational noise levels at the closest sensitive residential receptors from the Alberhill Substation during three rain events during the first two rainy seasons when the substation is operating. Monitoring reports shall indicate the existing ambient noise levels and weather conditions during measurements. The applicant shall conduct noise level measurements in compliance with the County of Riverside requirements, as applicable. The applicant will submit results of the monitoring to the CPUC annually. If the monitoring reports determine that the corona noise levels exceed 45 dBA at sensitive residential receptors, the applicant will implement additional technological solutions and installation equipment and will repeat the measuring of operational noise levels at at the closest sensitive residential receptors from the Alberhill Substation during three rain events during the subsequent two rainy seasons, until the 45 dBA threshold is no longer exceeded during rain events.	Verify noise level	During operation

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Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
Impact NV-2: Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels.	**Project Commitment H: Noise Control.**		See above	See above
	MM NV-2: Blasting Vibration Control Measures. During final project design, the applicant shall develop a blasting mitigation and monitoring plan to be implemented during blasting activities for the Valley-Ivyglen project. The plan shall be submitted to the CPUC for review and approval at least 30 days prior to the start of project construction. During plan development, applicant must assess distances to sensitive receptors and include blasting procedures in the plan that ensure blasting operations will be engineered safely and effectively. The plan shall include the following requirements for blasting activities : • Using blasting methods designed to reduce vibration and air overpressure; • Using pre-blast warning signals prior to detonating the blast and after detonation, conducting post-blast safety inspections; • Conducting blast monitoring for all blasting operations. A daily log shall be maintained by the blasting contractor for each blast detonated on each working day, including monitoring of ground motions, peak particle velocity, and air blast levels; • Implementing modifications to blasting procedures -- such as using different delay patterns, reducing the size of individual blasts, using shorter and/or smaller diameter blast holes, closer spacing of blast holes, reducing volume of explosives used, using protective measures (e.g., gravel or blasts mats) -- as necessary to control rock and debris that may be expelled from the blast sites and sound walls or a combination of measures in the case that blasting would result in vibration or blast levels with a PPV in excess of 2.0 inches/second or 80 VdB as measured at the closest residential receptors property line; • Limiting hours of blasting to daytime hours between 7:00 a.m. and 7:00 p.m., Monday through Saturday; • Implementing a public outreach program to provide alerts the affected public to the potential for vibrations and noise associated with blasting not less than three and not more than ten days prior to the commencement of blast activities; and • Responding to and investigating complaints.		Verify preparation and implementation of blasting mitigation and monitoring plan	Prior to and during construction
Impact NV-4: Substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project	**Project Commitment H: Noise Control.** **MM NV-1 Construction and Maintenance Noise Reduction Measures.** **MM NV-2 Blasting Vibration Control Measures.**	**Project Commitment H: Noise Control.** **MM NV-1 Construction and Maintenance Noise Reduction Measures.**	See above	See above
Population and Housing				
No measures apply				

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Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
Public Services and Utilities				
Impact PS-1: Result in substantial adverse physical impacts on governmental facilities or from the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the following: (1) fire protection, (2) police protection, (3) schools, (4) parks, or (5) other public facilities.	**MM HZ-4: Fire Control and Emergency Response.**	**MM HZ-4: Fire Control and Emergency Response.**	See above	See above
Impact PS-3: Require or result in the construction of new storm water drainage facilities or expansion of existing facilities.	**Project Commitment E: Grading Plan. The Riverside County Flood Control and Water Conservation District shall be consulted regarding grading plans for construction and operation of the proposed projects.** **Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.** **MM AE-6: Hillside and Natural Slope Preservation** **MM BR-1: Limit Construction to Designated Areas and Avoid Riparian, Aquatic, and Wetland Areas.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).**	**Project Commitment E: Grading Plan. The Riverside County Flood Control and Water Conservation District shall be consulted regarding grading plans for construction and operation of the proposed projects.** **Project Commitment F: Geotechnical Study, Soil Testing, and Seismic Design Standards.** **MM AE-6: Hillside and Natural Slope Preservation** **MM BR-1: Limit Construction to Designated Areas and Avoid Riparian, Aquatic, and Wetland Areas.** **MM BR-15: Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs).**	See above	See above
Recreation				
No measures apply				
Transportation and Traffic				
Impact TT-1: Conflict with an applicable plan, ordinance or policy establishing a measure of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit.	**Project Commitment H: Noise Control**	**Project Commitment H: Noise Control**	See above	See above
	MM TT-1: Traffic Management and Control Plan. The applicant shall prepare a Traffic Management and Control Plan that shall include, at a minimum, measures to ensure that: • Traffic flow, bicycle access, and pedestrian access is not completely restricted on any roadway for longer than 15 minutes, or a detour is provided; • Emergency access is maintained at all times; and • Lane closures do not create safety hazards.	**MM TT-1: Traffic Management and Control Plan**	Verify the preparation and implementation of Traffic Management and Control Plan	Prior to and during construction

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	In addition to measures required by agencies with jurisdictions over the project, this plan will, at a minimum: • Include a discussion of work hours, haul routes, work area delineation, traffic control, and flagging; • Identify all access and parking restriction and signage requirements; • Require workers to park personal vehicles at the approved staging area and take only necessary project vehicles to the work sites; • Lay out plans for pre-construction notifications to and a process for communication with affected residents and landowners. Advance public notification shall include posting of notices and appropriate signage regarding construction activities. The written notification shall include the construction schedule, the exact location and duration of activities within each street (i.e., which roads/lanes and access point/driveways/parking areas would be blocked on which days and for how long), and a toll-free telephone number for receiving questions or complaints; • Require posting of warning signs so that motorists are prepared for slow trucks; • Require notification of emergency service providers regarding the timing, location, and duration of construction activities. • Require all roads to remain passable to emergency service vehicles at all times; • Identify all roadway locations where special construction techniques (e.g., night construction) would be used to minimize impacts to traffic flow; • Require emergency vehicle access to be maintained at all times; • Encourage full use of the full roadway width that existed prior to construction during non-working hours, if possible; • Restrict deliveries of large equipment during peak traffic hours to the extent feasible in accordance with applicable local ordinances; • Ensure that traffic control is performed in accordance with final engineering plans and approved drawings attached to any permit issued; • When required, such as during egress of slow traffic onto public roadways, traffic shall be controlled by flaggers who shall be in constant communication with each other during flagging operations; • Require removal of all dirt from the roadway each day before the completion of work; and • Require streets to be maintained in drivable condition at all times. The Traffic Management and Control Plan shall be submitted to the CPUC for review and approval at least 60 days prior to the start of construction. Construction may not commence until CPUC has provided the applicant with approval of the plan.			

Table 9-1 Draft Mitigation Monitoring, Compliance, and Reporting Plan for the Valley-Ivyglen and Alberhill Projects

Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
Impact TT-2: Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways	**MM TT-2: Heavy Vehicle Traffic Restrictions.** The applicant shall coordinate with Caltrans and the City of Lake Elsinore to restrict heavy vehicle traffic for the project at the Lake Street and I-15 northbound ramp during the AM peak hour (7:00 AM to 9:00 AM) for the duration of project construction. Heavy vehicles traveling to project sites during the AM peak hour shall be diverted to the Indian Truck Trail and I-15 northbound ramp. Prior to the start of construction, the applicant shall alert truck drivers associated with the project of this restriction and shall install temporary signage on Lake Street notifying project drivers of this restriction. The applicant shall also restrict construction traffic for the project at the Menifee Road and SR-74 intersection during the PM peak hour (4:00 PM to 6:00 PM). The applicant may require construction traffic to exit Staging Area ASP7 and Staging Area VIG2 prior to 4:00 PM or after 6:00 PM. Alternatively, the applicant may provide an alternative access route via Case Road to the Ethanac Road and I-15 interchange.	**MM TT-2: Heavy Vehicle Traffic Restrictions.**	Verify the restriction of heavy vehicles	During construction
	MM TT-3: Highway Closure Plan. At least 30 days prior to initiating installation of crossings of I-15 and SR-74, the applicant shall prepare and submit to Caltrans a Highway Closure Plan as part of its Caltrans encroachment permit application. The plan shall ensure that closure or partial closure of I-15 and SR-74 are planned so as to minimize traffic disruption and other hazards to highway users (e.g., construction limited to off-peak, non-daytime hours, from 10 p.m. to 5 a.m., and signage posted prior to the closure to alert drivers of the closure in accordance with Caltrans requirements). Highway closure times will be reviewed and approved by Caltrans to minimize delay to I-15 and SR-74 traffic. The plan shall also outline suggested detours for I-15 and SR-74 traffic, including routes and signage. At least 15 days prior to initiating installation of the crossings, the applicant shall provide to the CPUC evidence of Caltrans granting the encroachment permit.	**MM TT-3: Highway Closure Plan.**	Verify preparation and implementation of highway closure plan	Prior to and during construction
Impact TT-3: 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	**Project Commitment G: Aircraft Flight Path Safety Provisions and Consultations.** Prior to construction, the applicant shall consult with the Federal Aviation Administration and ensure the filing of forms and associated specifications per the requirements of Federal Aviation Regulations Part 77 (Objects Affecting Navigable Airspace). The applicant shall review all recommendations and/or determinations from the FAA and mark and/or light the FAA recommended components where the applicant finds they are reasonable and feasible.	**Project Commitment G: Aircraft Flight Path Safety Provisions and Consultations.**	Verify consultation with FAA	Prior to construction
	MM TT-4: Helicopter Lift Plan. SCE's helicopter contractor shall coordinate with the FAA and obtain FAA-required approvals for helicopter operations. The applicant contractor's submittal to the FAA shall include a Helicopter Lift Plan for operations within 1,500 feet of a congested area or within 1,500 feet of residences in compliance with 14 CFR 133.33, which requires that flights be conducted so emergency landings and release of external load can be accomplished without safety risks to people or property when operating over congested areas. The Helicopter Lift Plan shall include the following measures, to the extent feasible: • Designation of a responsible party for equipment inspections; • Communication procedures; • Identification of exclusion zones where pedestrians will not be allowed; and • Training of personnel in safety requirements and procedures. The Helicopter Lift Plan and evidence of FAA approval of the plan shall be provided to the CPUC prior to commencing helicopter operations.	**MM TT-4: Helicopter Lift Plan.**	Verify preparation and implementation of helicopter lift plan	Prior to and during construction

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Impact	Valley-Ivyglen Project Project Commitments and Mitigation Measures	Alberhill Project Project Commitments and Mitigation Measures	Monitoring Requirements	Timing
	MM TT-5. FAA No-Hazard Determination. SCE shall obtain a determination of no hazard from the FAA when notification under 14 CFR 77 is required for: • Use of construction equipment, such as cranes; or • Installation of structures, such as lattice steel towers. SCE shall provide documentation of the FAA finding to the CPUC prior to the use of equipment or installation of structures that require notification under 14 CFR 77.	**MM TT-5. FAA No-Hazard Determination**	Verify determinations from FAA	Prior to construction
Impact TT-4: Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment).	**MM TT-1: Traffic Management and Control Plan.**	**MM TT-1: Traffic Management and Control Plan**	See above	See above
	MM TT-6: Road Damage Repair. SCE shall restore and repair to pre-project conditions any roads damaged by project vehicle traffic. SCE shall document roadway conditions with photographs prior to the project along roads identified for heavy vehicle use in the project's Traffic Impact Analysis. SCE shall also take photographs after the project and after completion of any repairs to document restoration of pre-project pavement conditions.	**MM TT-6: Road Damage Repair.**	Verify the documentation and restoration of damaged roads	Prior to and post construction
Impact TT-5: Result in inadequate emergency access	**MM TT-7: Emergency Service Provider Notification.** SCE shall notify local emergency service providers (i.e., police departments, ambulance services, and fire departments) of road closures at least one week prior to the closure. SCE shall notify the provider of the location, date, time, and duration of closure. SCE shall also coordinate with local emergency service providers to ensure emergency vehicle access at all times during construction by, for example, keeping metal plates available to cover open trenches.	**MM TT-7: Emergency Service Provider Notification.**	Verify notification of emergency service providers	Prior to and during construction
Impact TT-6:Conflict with adopted policies, plans, or programs regarding public transit, bikeways, or pedestrian facilities, or otherwise substantially decrease the performance or safety of such facilities	**MM TT-1: Traffic Management and Control Plan**	**MM TT-1: Traffic Management and Control Plan**	See above	See above

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