

H. Mitigation Monitoring and Reporting

A Mitigation, Monitoring, Compliance, and Reporting Program (MMCRP) has been prepared for the SONGS Steam Generator Replacement Project to ensure, should the Proposed Project be approved, compliance with and enforcement of all measures adopted as conditions of approval to lessen or avoid known and potential environmental impacts. These measures include both CPUC-imposed and Applicant-Proposed Measures (APMs). APMs identified by SCE have been incorporated into this EIR as part of the Proposed Project (see Section B.8), and mitigation measures developed by the CPUC are listed in Sections D.2 through D.14 and summarized in the final table in each issue area section. Section H.1 introduces the MMCRP process and describes the roles and responsibilities of the government agencies involved in implementing and enforcing the MMCRP. As part of the MMCRP, a detailed Mitigation Compliance Plan would be prepared that provides project details, information on agency jurisdictions, and methods of implementation for project mitigation measures.

If approved, actual construction of the Proposed Project is not expected to begin for four to five years. Like any other project, there may be a potential for the project to change or be modified during that time period, which may require the CPUC to revisit the impact analysis through the preparation of an addendum or supplemental EIR.

H.1 Introduction to MMCRP

H.1.1 Authority and Purpose of MMCRP

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

The purpose of a MMCRP is to ensure that measures adopted to mitigate or avoid significant impacts of a project are implemented. The CPUC views the MMCRP as a working guide (or program) to facilitate not only the implementation of mitigation measures by the project proponent, but also the monitoring, compliance, and reporting activities of the CPUC and any monitors it may designate.

H.1.2 MMCRP Adoption Process

The CPUC would address its responsibility under Public Resources Code Section 21081.6 when it takes action on SCE's Application for Authorization to replace San Onofre Nuclear Generating Station Units 2 & 3 steam generators, establish ratemaking for cost recovery, and address other related steam generator replacement issues. If the CPUC approves the application, it would also adopt the Final EIR and a MMCRP that includes the mitigation measures as conditions of approval.

H.2 Roles and Responsibilities

H.2.1 Monitoring Responsibility

As the lead agency under CEQA, the CPUC is required to monitor this project, if approved, to ensure that the required mitigation measures are implemented and effective. The CPUC will be responsible for ensuring full compliance with the provisions of this MMCRP and has primary responsibility for ensuring implementation of the MMCRP. The purpose of the MMCRP is to document that the mitigation measures required by the CPUC are implemented and that mitigated environmental impacts are reduced to the level identified in the Final EIR.

The CPUC may delegate duties and responsibilities for monitoring to other environmental monitors or consultants as deemed necessary, and some monitoring responsibilities may be assumed by responsible agencies, such as affected jurisdictions and cities. The number of construction monitors assigned to the project would depend on the number of concurrent construction activities and their locations. The CPUC, however, will ensure that each person delegated any duties or responsibilities is qualified to monitor compliance.

Any mitigation measure study or plan that requires the approval of the CPUC must allow at least 60 days for adequate review time. When a mitigation measure requires that a mitigation program be developed during the design phase of the project, the Applicant must submit the final program to CPUC for review and approval at least 60 days before construction begins. Other agencies and jurisdictions may require additional review time. It is the responsibility of the environmental monitor to ensure that appropriate agency reviews and approvals are obtained.

The CPUC, along with its environmental monitors, will also ensure that any variance process or deviation from MMCRP procedures is consistent with CEQA requirements; no project variance will be approved by the CPUC if it creates new significant impacts. A variance should be strictly limited to minor project changes that would not trigger other permit requirements, would not increase the severity of an impact or create a new impact, and would clearly and strictly comply with the intent of the mitigation measure. A Proposed Project change that has the potential for creating significant environmental effects will be evaluated to determine whether supplemental CEQA review is required. Any proposed deviation from the approved project or adopted mitigation measures, as well as correction of such deviation, shall be reported immediately to the CPUC and the environmental monitor assigned to the construction phase for the CPUC's collective review and approval. In some cases, a variance may also require approval by a CEQA responsible agency.

H.2.2 Enforcement Responsibility

The CPUC is responsible for enforcing the procedures adopted for monitoring through the environmental monitor assigned to each construction phase. The environmental monitor shall note problems with monitoring, notify appropriate agencies or individuals about any problems, and report any problems to the CPUC.

The CPUC has the authority to halt any construction, operation, or maintenance activity associated with the SONGS Steam Generator Replacement Project if the activity is determined to be a deviation from the approved project or adopted mitigation measures. The CPUC may assign this authority to the environmental monitor for each phase of activity.

H.2.3 Mitigation Compliance Responsibility

The Applicant, SCE, is responsible for successfully implementing all the adopted mitigation measures in the MMCRP. The Mitigation Compliance Plan included in the MMCRP will contain criteria that define whether mitigation is successful. Standards for successful mitigation also are implicit in many mitigation measures that include such requirements as obtaining permits or avoiding a specific impact entirely. Other mitigation measures include success criteria that are listed in the table at the end of each issue area section. Additional mitigation success thresholds will be established by applicable agencies with jurisdiction through the permit process and through the review and approval of specific plans for the implementation of mitigation measures.

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

H.2.4 Dispute Resolution

It is expected that the MMCRP will reduce or eliminate many potential disputes. However, even with the best preparation, disputes may occur. In such an event, the following steps will be applied:

- Step 1.** Disputes and complaints (including those of the public) should be directed first to the CPUC's designated Project Manager for resolution. The Project Manager would 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 mitigation measures in the Final EIR or the MMCRP.
- Step 3.** If a dispute or complaint cannot be resolved informally or through enforcement or compliance action by the CPUC, any affected participant in the dispute or complaint may file a written "notice of dispute" with the CPUC's Executive Director. This notice should be filed in order to resolve the dispute in a timely manner, with copies concurrently served on other affected participants. Within 10 days of receipt, the Executive Director or designee(s) shall meet or confer with the filer and other affected participants for purposes of resolving the dispute. The Executive Director shall issue an Executive Resolution describing his/her decision and distribute it to the project service list.
- Step 4.** If one or more of the affected parties is not satisfied with the decision as described in the Resolution, such party may appeal it 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 Commission's Rules of Practice and Procedure for formal and expedited dispute resolution, although a good faith effort should first be made to use the above procedure.

H.3 General Monitoring Procedures

H.3.1 Environmental Monitor

In coordination with SCE, the CPUC and its environmental monitors will be responsible for integrating the procedures of the MMCRP into all aspects of project implementation. To oversee the project and to ensure successful mitigation, the environmental monitor assigned to each area of construction must be on site during project implementation to remain apprised of project status and to report and remediate any non-compliance activity. The environmental monitor is responsible for ensuring that all procedures specified in the MMCRP are followed.

H.3.2 Construction Personnel

A key feature contributing to the success of mitigation monitoring will be obtaining the full cooperation of construction personnel and supervisors. Many of the mitigation measures require action on the part of the construction supervisors and personnel for successful implementation. To ensure proper implementation, the following actions would be taken:

- SCE would prepare contracts to be signed by the construction companies hired for the project that outline the purposes and procedures for successful mitigation. Similarly, SCE would have the contract signed by all construction crews and other personnel prior to working on the job site, denoting agreement.
- Prior to working on the job site, all construction personnel would be required to attend an informational training session, which would outline the mitigation requirements of the project.
- Each construction supervisor would be provided with a written summary of the mitigation monitoring procedures and would be expected to keep those and all other necessary permits onsite for easy reference by the construction crew, and for review and inspection by the CPUC environmental monitors.

H.3.3 General Reporting Procedures

The CPUC and environmental monitors will report all problems that may arise and take the appropriate action to rectify any problems. Site visits and specific monitoring procedures performed by other individuals, such as biologists or archaeologists, will be reported to the appropriate CPUC environmental monitor. A record will be submitted to the CPUC environmental monitor by the individual conducting the visit or procedure so that details of the visit could be tracked and recorded. In addition, the CPUC environmental monitor will prepare daily reports describing the status of construction activities as well as the timing and completion of any MMCRP requirements.

SCE shall provide the CPUC with written weekly reports of the status of the project, which shall include construction progress, resulting impacts, resulting mitigation, and all other noteworthy elements of the project. Weekly reports shall be required until all Project Protocols and mitigation measures have been completed.

H.3.4 Public Access to Records

The public is allowed access to the records and reports used to track the implementation of the MMCRP. Monitoring records and reports will be made available for public inspection by the CPUC on request. In order to facilitate the public's awareness, the CPUC will make weekly reports available on the project website below. The following website can also be consulted for further information about mitigation monitoring and reporting for the SONGS Steam Generator Replacement Project:

<http://www.cpuc.ca.gov/environment/info/aspen/sanonofre/sanonofre.htm>

H.4 Mitigation Compliance Plan

As described above, a detailed Mitigation Compliance Plan will be prepared that incorporates project details, agency jurisdictions, and an implementation plan for mitigation measures for the Proposed Project. This plan will be used by the construction crews and the field monitors in implementing the specific measures in the field in order to reduce impacts to a less than significant level. Components of the Mitigation Compliance Plan include the following:

Project Description. The Mitigation Compliance Plan will contain a concise overview and reference description of the approved project that clearly outlines its physical locations and timetable, construction plans, working maps, and plans.

Agency Jurisdictions. The Mitigation Compliance Plan will include the list of agencies with jurisdiction over the project (from EIR Table A-1), and a description of where their respective jurisdictions exist. For example, for a given construction phase, the Plan would state what region of the California Department of Fish and Game has jurisdiction and provide the name of the regional manager as well as his or her address, telephone, and fax number.

Mitigation Monitoring Programs. The Mitigation Compliance Plan will organize and display the individual issue area Mitigation Monitoring Programs presented in the Final EIR. Each mitigation measure will be numbered and described briefly. The Final EIR will be consulted for in-depth discussion of each mitigation measure. The Mitigation Monitoring Plan will also include:

- The party responsible, the schedule, and the reporting requirements for carrying out the monitoring activity for each mitigation measure; and
- Effectiveness criteria for evaluating the implementation of the mitigation measure.

H.5 Condition Effectiveness Review

In order to fulfill its statutory mandates to mitigate or avoid significant effects of the environment and to design a MMCRP to ensure compliance during project implementation (CEQA 21081.6):

- 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 H.2.4; and
- If in any review, the CPUC determines that any conditions are not adequately mitigating significant environmental impacts caused by the project, or that recent proven technological advances could provide more effective mitigation, then the CPUC may impose additional reasonable conditions to effectively mitigate these impacts.

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

H.6 Mitigation Monitoring Program Tables

Mitigation monitoring tables are presented at the end of each issue area section (Sections D.2 through D.14). These tables form the basis of the MMCRP.

H.6.1 Monitoring of Applicant-Proposed Measures

The CPUC would also monitor and enforce APMs. Table H-1 constitutes the mitigation monitoring table for APMs.

Table H-1. Mitigation Monitoring Program – APMs

Resource Area	Air Quality
APM AQ-1	Standard Dust Control Measures will be applied where necessary. Unpaved surfaces will be dampened with a water truck to minimize fugitive dust if dust generation becomes a problem. Dust generated during concrete crushing will be suppressed with water.
Location	RSG transport route.
Monitoring / Reporting Action	CPUC monitor shall verify compliance with dust control measures.
Effectiveness Criteria	No visible emissions of fugitive dust.
Responsible Agency	CPUC.
Timing	During transport operations and concrete crushing activities.
Related Mitigation Measure	See also A-1a: Suppress dust at all work areas or transport routes and on public roads (Section D.2.3).
Resource Area	Biological Resources
APM Bio-1	A biological monitor will be appointed by SCE as necessary.
Location	RSG transport route.
Monitoring / Reporting Action	The monitors will be present during transport- related activities to ensure that additional disturbance does not occur.
Effectiveness Criteria	No disturbance to sensitive habitat/species outside designated project area.
Responsible Agency	CPUC.
Timing	During transport operations.
Related Mitigation Measure	None.
APM Bio-2	Project lighting will be directed away from the land where potential wildlife resources may exist.
Location	Designated project area.
Monitoring / Reporting Action	SCE shall submit Lighting Mitigation plan to CPUC for approval prior to construction. CPUC monitor shall verify that potential wildlife resources are minimized.
Effectiveness Criteria	No observable disruption to normal species activity in the surrounding area.
Responsible Agency	CPUC.
Timing	After project lighting is installed and operational, and following any subsequent modifications to lighting scheme.
Related Mitigation Measure	See also Section D.3.3.2: Biological Avoidance and Minimization Measure #7, Direct Night Lighting Away from Sensitive Habitat Areas.

Table H-1. Mitigation Monitoring Program – APMs

APM Bio-3	Areas of vegetation disturbance at the transition areas will be revegetated to restore prior conditions.
Location	Areas of vegetation disturbance.
Monitoring / Reporting Action	SCE shall provide CPUC with a plan and schedule for restoration and revegetation of areas temporarily disturbed by RSG transport and shall submit verification that the plan has been successfully implemented.
Effectiveness Criteria	Revegetation to pre-project conditions.
Responsible Agency	CPUC.
Timing	During and after RSG transport.
Related Mitigation Measure	See also B-7a: Revegetation of Temporarily Disturbed Areas (Section D.3.3).
Resource Area	Cultural Resources
APM CR-1 and CR-2	If a qualified engineer determines that road compression damage is possible once a specific transporter is selected, protective matting or other suitable protection will be laid down on the road during transport.
Location	Historic El Camino Real road surface and crossing historic San Diego Northern Railroad route.
Monitoring / Reporting Action	Prior to transport, SCE shall submit proposed road protection plan and measures to Caltrans and CPUC for review and approval.
Effectiveness Criteria	No damage to historic El Camino Real road surface or San Diego Northern Railroad crossing.
Responsible Agency	CPUC and Caltrans.
Timing	Prior to and during transport on El Camino Real and crossing of San Diego Northern Railroad route.
Related Mitigation Measure	None.
Resource Area	Geology and Soils
APM Geo-1	Erosion control measures will be implemented and no structures will be placed on expansive soils without mitigation.
Location	Project area.
Monitoring / Reporting Action	SCE shall submit an erosion control plan to CPUC for review and approval. CPUC shall monitor implementation and effectiveness of erosion control measures during ground disturbance.
Effectiveness Criteria	No offsite discharge of sediment.
Responsible Agency	CPUC.
Timing	During ground disturbance activities.
Related Mitigation Measure	None.
Resource Area	Hazards and Hazardous Materials
APM Haz-1	To minimize potential impacts on workers, the work areas will be decontaminated as necessary before work begins. Additionally, temporary lead shielding will be installed in the work areas as appropriate. To install the RSGs, pipes need to be welded to the RSG. To minimize the radiation dose to workers, the inside of each primary system pipe will be decontaminated and where possible, machine welding will be used. As with all tasks in radiation areas at SONGS 2 & 3, employees trained specifically in radiation protection practices will monitor work activities to ensure personnel radiation exposure is minimized. SONGS health and safety procedures will be followed.
Location	SONGS 2 & 3 Protected Area.
Monitoring / Reporting Action	Prior to construction, SCE will submit a Hazardous Materials Decontamination, Worker Training and Protection Plan to the CPUC. The CPUC monitor shall verify compliance with this plan.
Effectiveness Criteria	Compliance with all plan measures.
Responsible Agency	CPUC.

SONGS Steam Generator Replacement Project
H. MITIGATION MONITORING AND REPORTING

Table H-1. Mitigation Monitoring Program – APMs

Timing	OSG removal and RSG installation.
Related Mitigation Measure	See also H-1a: Implement SONGS and/or MCBCP spill response procedures (Section D.6.3).
Resource Area	Hydrology and Water Quality
APM Hydro-1	BMPs for erosion control will be applied as needed.
Location	Project area.
Monitoring / Reporting Action	SCE shall submit erosion control plan to CPUC for review and approval. CPUC shall monitor implementation and effectiveness of erosion control measures.
Effectiveness Criteria	No offsite discharge to ground or surface waters.
Responsible Agency	CPUC.
Timing	OSG removal, RSG transport, and RSG installation.
Related Mitigation Measure	None.
APM Hydro-2	In the event of a spill or leak, containment measures would be implemented to prevent the spill from reaching surface waters. If soils become contaminated, they will be collected, disposed of at an approved site, and the disturbance areas restored.
Location	Project area or transport route.
Monitoring / Reporting Action	SCE shall submit spill prevention and control plan to CPUC for review and approval. CPUC shall monitor implementation and effectiveness of spill control measures during construction phase.
Effectiveness Criteria	No discharge to surface or ground waters.
Responsible Agency	CPUC.
Timing	Transport and construction phase.
Related Mitigation Measure	See also H-1a: Implement SONGS and/or MCBCP spill response procedures (Section D.6.3).
Resource Area	Traffic and Transportation
APM Traffic-1	Submission and approval of a detailed traffic control plan indicating required lane closures, hours of operation, appropriate signage and warning devices, and required work areas will be required by Caltrans for transport of equipment.
Location	Interstate 5.
Monitoring / Reporting Action	Prior to transport of steam generator, SCE shall submit traffic control plan to Caltrans and CPUC for review and approval. CPUC monitor shall verify compliance with plan.
Effectiveness Criteria	Minimal disruption of traffic along I-5.
Responsible Agency	CPUC and Caltrans.
Timing	During transport of the replacement steam generators.
Related Mitigation Measure	See also T-1a: Emergency vehicle access provisions; T-3a: Traffic Control Plan provisions to schedule SONGS shift changes outside of peak hours; T-5a: Material deliveries should avoid peak hours (Section D.13.3).
APM Traffic-2	Trained vehicle operators to ensure the safe operations of equipment transport vehicles or vehicles associated with the equipment transportation.
Location	Interstate 5.
Monitoring / Reporting Action	SCE shall submit vehicle operator training plan to Caltrans and CPUC for review and approval. CPUC monitor shall verify that vehicle operators have received appropriate training.
Effectiveness Criteria	Minimal disruption of traffic along I-5.
Responsible Agency	CPUC and Caltrans.
Timing	During transport of the replacement steam generators.
Related Mitigation Measure	None

Table H-1. Mitigation Monitoring Program – APMs

APM Traffic-3	Necessary cones, barricades, signs, and additional warning devices as specified by the traffic control plan.
Location	Interstate 5.
Monitoring / Reporting Action	Prior to transport of steam generator, SCE shall submit traffic control plan to Caltrans and CPUC for review and approval. CPUC monitor shall verify compliance with plan.
Effectiveness Criteria	Minimal disruption of traffic along I-5.
Responsible Agency	CPUC and Caltrans.
Timing	During transport of the replacement steam generators.
Related Mitigation Measure	See also T-3a: Traffic Control Plan provisions to schedule SONGS shift changes outside of peak hours (Section D.13.3).
APM Traffic-4	Trained flaggers and other workers to direct traffic around the equipment transport vehicles, and necessary communication equipment, signs, signals, safety vests, and hard hats.
Location	Interstate 5.
Monitoring / Reporting Action	Prior to transport of steam generator, SCE shall submit traffic control plan to Caltrans and CPUC for review and approval. CPUC monitor shall verify compliance with plan.
Effectiveness Criteria	Minimal disruption of traffic along I-5.
Responsible Agency	CPUC and Caltrans.
Timing	During transport of the replacement steam generators.
Related Mitigation Measure	See also T-3a: Traffic Control Plan provisions to schedule SONGS shift changes outside of peak hours (Section D.13.3).
APM Traffic-5	Inland Transport Options may require detours.
Location	Interstate 5.
Monitoring / Reporting Action	Prior to transport of steam generator, SCE shall submit traffic control plan to Caltrans and CPUC for review and approval. CPUC monitor shall verify compliance with plan.
Effectiveness Criteria	Minimal disruption of traffic along I-5.
Responsible Agency	CPUC and Caltrans.
Timing	During transport of the replacement steam generators.
Related Mitigation Measure	
APM Traffic-6	Vanpools are anticipated to be used to decrease potential worker/commuter traffic delays. Shifts will be staggered to spread the traffic over large periods of time to avoid adverse effects.
Location	Project area.
Monitoring / Reporting Action	CPUC monitor shall verify compliance.
Effectiveness Criteria	Minimal disruption of traffic in project area.
Responsible Agency	CPUC.
Timing	Construction phase.
Related Mitigation Measure	See also T-3a: Traffic Control Plan provisions to schedule SONGS shift changes outside of peak hours (Section D.13.3).