

Sierra Pacific Power Company (SPPCo.) has proposed the Hobart Substation Expansion Project to upgrade the existing substation with modern electrical equipment and provide standard three-phase electrical service to an existing customer in the Hobart Mills area. The installation of new electrical equipment would reconfigure the substation from two-phase to three-phase service and increase overall substation capacity from 666 kilovolt amperes (kVA) to 5,000 kVA. In addition, the existing 12.5 kilovolt (kV) distribution line would increase in voltage to 14.4 kV.

An Initial Study was prepared to assess the potential effects on the environment from various components of the proposed project. The Initial Study was prepared based on information in the Proponent's Environmental Assessment (PEA), a project site visit, and supplemental research. The majority of the proposed project's impacts would occur during project construction, as a result of disturbance caused by construction activity. Within SPPCo.'s Application, Applicant Proposed Measures addressing potentially significant impacts were proposed to reduce potentially adverse impacts related to project construction.

The purpose of this Mitigation Implementation and Monitoring Plan is to ensure that the Applicant Proposed Measures, as well as the Agency Recommended Mitigation Measures that SPPCo. has agreed to, are adequately implemented. This plan includes specific action to be taken to implement each measure, information on monitoring requirements, and the timing of implementation. This plan includes:

- The Agency Recommended Mitigation Measures, which SPPCo must implement as part of the proposed project, followed by the Applicant Proposed Measures that SPPCo has made part of the proposed project and is responsible for implementing;
- The actions required to implement these measures;
- Monitoring requirements; and
- Timing of implementation for each measure.

Construction field monitoring shall be carried out by a CPUC-designated environmental monitor to ensure that the mitigation measures are implemented. In all instances where non-compliance occurs, the CPUC's designated environmental monitor shall issue a warning to the construction foreman and SPPCo's project manager. Continued non-compliance shall be reported to the CPUC's designated project manager. Any decisions to halt work due to non-compliance shall be made by the CPUC. The CPUC's designated environmental monitor shall keep a record of any incidents of non-compliance with mitigation measures. Copies of these documents shall be supplied to SPPCo and the CPUC.

APPENDIX A
MITIGATION MONITORING TABLE

Impact	Mitigation Measure	Enforcement / Monitoring	Timing / Implementation
Agency Recommended Measures			
<i>Air Quality</i>			
<p>Construction activities such as excavation and grading operations, construction vehicle traffic and wind blowing over exposed earth would generate exhaust emissions and fugitive particulate matter emissions that would affect local and regional air quality.</p>	<p>MM AQ-1: Place dust control mitigation requirements in all construction contracts. All construction contracts will require the following:</p> <ul style="list-style-type: none"> • All construction activities shall be subject to the requirements of the Northern Sierra AQMD’s Regulation 2, Rule 226 regarding dust control. • Alternatives to open burning of vegetative material on the project site shall be used unless deemed infeasible by the Northern Sierra Air Quality Management District. Suitable alternatives are chipping, mulching, or conversion to biomass fuel. • Contractors shall be responsible for ensuring that adequate dust control measures are implemented in a timely manner during all phases of project development and construction. • All material excavated, stockpiled, or graded shall be sufficiently watered, treated, or covered to prevent fugitive dust from leaving the property boundaries and causing a public nuisance or violation of an ambient air standard. Watering should occur at least twice daily, with complete site coverage. • All areas (including unpaved roads) with vehicle traffic shall be watered or have a dust palliative applied as necessary for stabilization of dust emissions. 	<p>Northern Sierra Air Quality Management District, California Public Utilities Commission</p>	<p>As a condition of project approval, and implemented during site disturbance activities.</p>

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	<ul style="list-style-type: none"> • All on-site vehicle traffic shall be limited to a speed of 15 mph on unpaved roads. • All land clearing, grading, earth moving or excavation activities shall be suspended as necessary to prevent excessive windblown dust when winds are expected to exceed 20 mph. • All material transported off-site shall be either sufficiently watered or securely covered to prevent public nuisance. • Re-establish ground cover on the site through seeding and watering in accordance with the local grading ordinance. • Properly maintain all mobile and stationary equipment. 		
Cultural Resources			
<p>Archaeological investigations for the project did not identify any unique archaeological resources. There is a possibility, however, of unanticipated and accidental archaeological discoveries during ground-disturbing project-related activities. Any unanticipated and accidental archaeological discoveries during project implementation have the potential to affect unique archaeological resources. This is considered a potentially significant impact unless mitigated.</p>	<p>MM CR-1: If any prehistoric or historic artifacts, or other indications of archaeological resources are found once project construction is underway, all work in the immediate vicinity must stop and the County shall be immediately notified. An archaeologist meeting the Secretary of Interior’s Professional Qualifications Standards in prehistoric or historical archaeology, as appropriate, shall be retained to evaluate the finds and recommend appropriate mitigation measures for the inadvertently discovered cultural resources.</p>	<p>Nevada County Planning Department, California Public Utilities Commission.</p>	<p>As a condition of project approval, and implemented during site disturbance activities.</p>
<p>A pedestrian surface survey of the project APE and other research did not identify any evidence of paleontological resources. However, there is a possibility of unanticipated and accidental paleontological discoveries</p>	<p>MM CR-2: If any paleontological resources (i.e., fossils) are found once project construction is underway, all work in the immediate vicinity must stop and the County shall be immediately notified. A qualified paleontologist shall be</p>	<p>Nevada County Planning Department, California Public Utilities Commission.</p>	<p>As a condition of project approval, and implemented during site disturbance activities.</p>

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<p>during ground-disturbing project-related activities. Unanticipated and accidental paleontological discoveries during project implementation have the potential to affect significant paleontological resources. Implementation of the Proposed Project could result in potential damage or destruction of undiscovered paleontological resources. This is considered a potentially significant impact unless mitigated.</p>	<p>retained to evaluate the finds and recommend appropriate mitigation measures for the inadvertently discovered paleontological resources.</p>		
<p>Archaeological investigations for the project did not identify any human remains or evidence to suggest that human remains may be present within the project APE. There is a possibility, however, of the unanticipated and accidental discovery of human remains during ground-disturbing project-related activities. This is considered a potentially significant impact unless mitigated.</p>	<p>MM CR-3: If human remains are discovered, all work must stop in the immediate vicinity of the find, and the County Coroner must be notified, according to Section 7050.5 of California’s Health and Safety Code. If the remains are determined to be Native American, the coroner will notify the Native American Heritage Commission, and the procedures outlined in Section 15064.5(d) and (e) shall be followed.</p>	<p>Nevada County Planning Department, California Public Utilities Commission.</p>	<p>As a condition of project approval, and implemented during site disturbance activities.</p>
<p><i>Hydrology and Water Quality</i></p>			
<p>The construction of the project would require grading and compacting of the substation footprint. In addition, the existing bladed access road would be widened to 12 feet and surfaced with gravel. The entire substation would be covered by gravel and oil containment would be provided in the form of clay berms. The clay berms would be compacted to 90% percent in order to contain oil and facilitate clean-up in the event of a leak or spill. Foundations would be poured for new transformers, electrical equipment, and to secure fence posts. Following these activities, new oil filled electrical equipment would be</p>	<p>MM WQ-1: SPPCo. shall implement the Spill Prevention and Recovery Program as approved by the Lahontan Regional Water Quality Control Board (Permit 6T-003-004-30, see Appendix C) Elements of the plan limit the storage of hazardous materials, fuels and oils and fueling station for construction materials to no closer than 200 feet of any water feature. On site vehicles shall be monitored for leaks and all leaks shall be cleaned up in accordance to existing laws. Other elements of the plan include secondary containment for bulk storage units in excess of 55 gallons, and placement of 2 Spill Kits on site at all times for immediate containment and cleanup.</p>	<p>Lahontan Regional Water Quality Control Board, California Public Utilities Commission.</p>	<p>As a condition of project approval, and implemented during construction activities.</p>

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<p>installed and the current oil-filled substation equipment would be removed. The oil used in the equipment is a non-toxic mineral oil.</p> <p>Stormwater pollutants may be present during various times during construction, including concrete, curing compounds, wastewater from construction vehicle washing, water from dewatering activities, hydraulic oil/fluids, gasoline, diesel, antifreeze and coolants, erosion related sedimentation, PCB-contaminated dielectric fluid, and non PCB-contaminated dielectric fluid. Release of these pollutants into the existing offsite waterways could result in a significant impact to water quality.</p>			
<p>The construction of the project would require grading and compacting of the substation footprint. In addition, the existing bladed access road would be widened to 12 feet and surfaced with gravel. The entire substation would be covered by gravel and oil containment would be provided in the form of clay berms. Since little impervious coverage would result from the project, the surface runoff rate will remain virtually unchanged and stormwaters would be retained and percolated on site</p> <p>Sedimentation of receiving waters could occur during grading and construction. Storm events could result in erosion and sedimentation of receiving water bodies. This impact is potentially significant</p>	<p>Implementation of the Spill Prevention and Recovery Program as noted in MM WQ-1 above would reduce construction related water quality effects to a less than significant level.</p>	<p>Lahontan Regional Water Quality Control Board, California Public Utilities Commission.</p>	<p>As a condition of project approval, and implemented during site disturbance activities.</p>

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Applicant Recommended Measures			
<i>Hazards and Hazardous Materials</i>			
Construction activities could increase the potential for wildfire hazards in the project area.	<i>Fire Prevention Measures:</i> As part of best management practices, the areas in which construction occurs shall be cleared of vegetation prior to construction activity. All construction areas shall be equipped with adequate fire suppression devices such as extinguishers and shovels, and all equipment shall be maintained to prevent accidental sparks. Construction safety precautions shall be listed and included in contract specifications. Trees and vegetation within the project area shall not be replaced and the area shall be kept clear during regular operation of the facility so that no trees may fall onto the substation and no vegetation may dry and create high fuel situations on the site. A 30-foot area around the substation shall also be kept clear in accordance with substation safety regulations.	Nevada County Planning Department, California Public Utilities Commission	As a condition of project approval, and implemented during site disturbance activities
<i>Cultural Resources</i>			
Construction activities could impact unknown cultural resources in the project area..	<i>Discovery of Buried Cultural Resources:</i> In the unlikely event that buried cultural resources are discovered during the course of project activities, construction operations shall immediately stop within 200 feet of the find and the Applicant shall consult with the appropriate local, state, or federal entities and a qualified archaeologist to determine whether the resource requires further study. Cultural resources could consist of, but not be limited to, artifacts of stone, bone, wood, shell, or other materials, or features, including hearths,	Nevada County Planning Department, California Public Utilities Commission	As a condition of project approval, and implemented during site disturbance activities

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	<p>structural remains, or dumps.</p> <p><i>Discovery of Human Burials:</i> If human burials are encountered, all work in the area will stop immediately and the Nevada County Coroner's office shall be notified within 48 hours. If the remains are determined to be Native American in origin, both the Native American Heritage Commission and any identified descendants must be notified by the coroner and recommendations for treatment solicited (CEQA Section 15064.5; Health and Safety Code Section 7050.5; Public Resources Code Section 5097.94 and 5097.98).</p>		