

June 5, 2025

Douglas Edwards Pacific Gas and Electric Company Via email: dxei@pge.com

Subject: Data Request 4 (Revised): Updated Construction Measures and Mitigation Measures for the Manning 500/230 kV Substation Project (Application 24-06-017)

Mr. Edwards:

This revised Data Request 4 for the Manning 500/230 kV Substation Project (project) supersedes and replaces the original version of Data Request 4 sent Friday, May 30, 2025.

The California Public Utilities Commission (CPUC) Energy Division released a proposed Initial Study/Mitigated Negative Declaration (IS/MND) for the Manning 500/230 kV Substation Project on March 19, 2025. Therein, the CPUC identified measures necessary to avoid or reduce impacts from the project pursuant to the California Environmental Quality Act (CEQA). PG&E agreed to implement these measures prior to the proposed IS/MND being released to the public (see PG&E's response to Data Request 2, dated March 3, 2025).

In consideration of comments received from the California Department of Fish and Wildlife (CDFW), the CPUC has replaced certain measures with more effective measures or added clarifications that do not change the effectiveness of the measures. Attachment 1 of this data request contains all construction measures applicable to Pacific Gas and Electric (PG&E), including replacement and clarified measures. The CPUC is requesting that prior to the release of the Final IS/MND, PG&E affirm its agreement to implement the updated construction measures in Attachment 1, as drafted by the CPUC and its consultant, during construction of the PG&E transmission line facilities necessary to interconnect the project. This agreement would supersede the measures agreed to in PG&E's response to Data Request 2. If the project is approved, these construction measures would be included in the project mitigation monitoring, compliance, and reporting program (MMCRP), and the CPUC and its consultant would monitor construction of PG&E's portions of the project pursuant to the MMCRP.

This is the remaining outstanding item for the IS/MND, and we look forward to receiving your comments in a timely manner to release the Final IS/MND in June 2025. Please respond to this data request by June 9, 2025 affirming PG&E's agreement to implement the revised construction measures in Attachment 1 or, if PG&E does not agree, detailing why the measures cannot be implemented as written.

Do not hesitate to call me at (213) 266-4748 if you have questions.

Sincerely,

Protecting California since 1911 The CPUC regulates privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies.





Jonny Flerden

Tommy Alexander

CEQA Project Manager CPUC Energy Division

cc: Michelle Wilson, CPUC Energy Division Heather Blair, Ascent Dustin Joseph, LSPGC

Attachment 1: Manning 500/230 kV Substation Project IS/MND Revised PG&E Construction Measures





Attachment 1 – Revised Manning 500/230 kV Substation Project IS/MND PG&E Construction Measures

Updated Measures

Measure Number	Responsible Party	Measure Text
Biological Resources		
Construction Measure BIO-A [PG&E] / Mitigation Measure BIO- 1 [LSPGC]: Conduct Protocol-Level Surveys for Special-Status Plants and Compensate for Impacts	PG&E and LSPGC	 Special-status plant surveys described in APM BIO-4 and CM BIO-2 shall follow the CDFW Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities (CDFW 2018). The surveys will be conducted within suitable habitat during the typical blooming period for the 10 species determined to have potential to occur in the project alignment area as described in Table 3.4-1. If plant species protected under ESA (i.e., San Joaquin woollythreads) are found during surveys for special-status plants conducted pursuant to APM BIO-4 and CM BIO-2, following the CDFW protocol described above, a protective buffer of at least 50 feet will be established around individual plants, and the plants will be avoided. If plant species considered special-status under CEQA (i.e., plants with a CRPR of 1 or 2) are found during surveys for special-status plants conducted pursuant to APM BIO-4 and CM BIO-2, following the CDFW protocol described above, a protective buffer of at least 50 feet will be established around individual plants, and the plants will be avoided, if feasible. The size and shape of the protective buffer may be adjusted if a CPUC-approved biologist determines that a smaller buffer will be sufficient to avoid loss of or damage to special-status plants or that a larger buffer is necessary to sufficiently protect plants from project activities. The appropriate size and shape of the protective buffer will be determined by the CPUC-approved biologist and will depend on the plant's growth form (e.g., annual, perennial), plant phenology at the time of implementation of project activities, the individual species' vulnerability to the project activity, and environmental conditions and terrain. Where avoidance of plants considered special-status under CEQA is not feasible, and the only plants present in a work area, this method would not avoid impacts, and these plants would be avoided as described above. When p



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Construction Measure BIO-E [PG&E] / Mitigation Measure BIO-	PG&E and LSPGC	The following measure shall supplement the requirements in APMs BIO-18 and BIO-20 (for LSPGC components) and CM BIO-8 (for PG&E components), as presented in the PEA, for special-status and other native birds:
5 [LSPGC]: Implement Survey Area Minimums, Survey Timing Standards, and Applicable Protocols for Special-Status and Other		 Pre-construction nesting bird surveys conducted pursuant to APMs BIO-18 and BIO-20 (for LSPGC components) and CM BIO-8 (for PG&E components) shall be conducted within work areas and accessible areas_(i.e., existing LSPGC or PG&E rights-of-way, public land, private land with existing access permission) in the following buffers surrounding the work area: 0.5 miles for Swainson's hawk;
Native Birds		 500 feet for northern harrier, short-eared owl, and other native raptors; and
		 250 feet for other native bird species.
		To avoid trespassing, inaccessible areas (e.g., private land) shall be surveyed using binoculars or spotting scopes as feasible (i.e., to the maximum distance achievable using these tools). As a result, it may not be feasible to complete surveys in the full survey buffer in all cases; however, LSPGC and PG&E shall implement the full survey buffer wherever feasible.
		Nesting bird surveys conducted pursuant to APMs BIO-18 and BIO-20 (for LSPGC components) and CM BIO-8 (for PG&E components) shall be conducted no more than 10 days prior to the start of construction activities during the nesting bird season (February 1 to September 15). Continuous construction within an area following a nesting bird survey will negate the need to repeat additional nesting bird surveys. If there is a five day or more lapse in project construction within an area, the nesting bird survey shall be repeated.
		 Focused surveys for Swainson's hawk shall follow the protocols found in Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley (Swainson's Hawk Technical Advisory Committee 2000).
		If an active nest is discovered during nesting bird surveys conducted pursuant to APMs BIO-18 and BIO-20 (for LSPGC components) and construction activities would occur during the nesting bird season, no-disturbance buffers shall be established, within which no ground-disturbing construction activities would occur until the nest is no longer active as determined by a CPUC-approved biologist. No-disturbance buffers shall be at least 0.5 miles for Swainson's hawk, 500 feet for non-raptor special-status birds, and 20 feet for other native birds (i.e., without special status). No-disturbance buffer sizes for other native birds (non-raptors) without special status may be increased at the discretion of the CPUC-approved biologist depending on factors including species, nest height, topography, existing vegetative or other barriers between the nest and project activities, and disturbance level surrounding the nest_Any reduction in the no-disturbance buffer for special-status bird species shall require consultation with the CPUC-approved biologist, and would require additional measures, including biological monitoring to determine whether nesting birds are exhibiting



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		disturbance behaviors, after which the no-disturbance buffer size shall be increased.
		 No-disturbance buffers described in CM BIO-8 (for PG&E components) that would follow the most recent PG&E Nesting Bird Management Plan would be sufficient to maintain impacts on nesting birds at less than significant under CEQA.
		► If an active Swainson's hawk nest is detected, and implementation of the 0.5- mile no-disturbance buffer is not feasible, LSPGC or PG&E shall consult with CDFW to discuss how to implement the project and avoid take. If take cannot be avoided, take authorization through the acquisition of an ITP, pursuant to Fish and Game Code section 2081 subdivision (b) is necessary to comply with CESA.
Construction Measure BIO-F [PG&E] / Mitigation Measure BIO- 6 [LSPGC]: Conduct	PG&E and LSPGC	The following measure shall supersede and replace APMs BIO-6 and APM BIO-10 (for LSPGC components) and CM BIO-7 (for PG&E components), as presented in the PEA, for burrowing owl.
Protocol-Level Surveys for Burrowing Owl and Implement Avoidance Measures		 LSPGC and PG&E Construction Activities and LSPGC O&M Activities A qualified biologist approved by the CPUC shall conduct surveys for burrowing owls in areas of habitat suitable for the species on and within 1,640 feet of the work area. Inaccessible areas (e.g., adjacent private property) will not be surveyed directly, but the biologist may use binoculars or a spotting scope to survey these areas. A minimum of four surveys shall be conducted to determine whether burrowing owls occupy the site. Surveys shall be conducted according to Appendix D of the 2012 Staff Report on Burrowing Owl Mitigation prepared by the California Department of Fish and Game (now CDFW) (CDFW 2012) or any subsequent updated guidance. If feasible, at least one survey should be conducted between February 15 and April 15, and the remaining surveys should be conducted between April 15 and July 15, at least three weeks apart. Because burrowing owls may recolonize a site after only a few days, one of the surveys, or an additional survey, shall be conducted no less than 14 days before initiating ground disturbance activities to verify that take of burrowing owl would not occur. If no occupied burrows are found, the qualified biologist shall submit a report documenting the survey methods and results to LSPGC or PG&E and
		 If an active burrow is found within 1,640 feet of pending construction activities, LSPGC or PG&E shall establish and maintain a buffer around the occupied burrow and any identified satellite burrows (i.e., non-nesting burrows that burrowing owls use to escape predators or move young into after hatching) to prevent take of the burrowing owls.
		 During the nonbreeding season (September 1 through January 31), the minimum buffer distance shall be 164 feet (50 meters). During the breeding season (February 1 through August 31), the minimum buffer distance shall be increased to 1,640 feet (500 meters). The buffer may be adjusted if, in consultation with the CDFW, the qualified biologist determines that an alternative buffer shall not result

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Construction Measure	PG&E and LSPGC	 in take of burrowing owl adults, young, or eggs because of particular site features (e.g., topography, natural line-of-sight barriers), level of project disturbance, or other considerations. If the buffer is reduced, the qualified biologist shall monitor the behavior of the burrowing owls during all project activities within 1,640 feet of the burrow. If the owls are disturbed or agitated (e.g., vocalizations, bill snaps, fluffing feathers to increase body size appearance, drooping wings and rotating them forward, crouching and weaving back and forth) by the project activities, the biologist shall have the authority to halt the activities and reestablish a buffer consistent with the first item above until the agitated behavior ceases and normal behavior resumes. The buffer shall remain in place around the occupied burrow and associated satellite burrows until the qualified biologist has determined through noninvasive methods that the burrow will be considered unoccupied if surveys demonstrate that no owls have used the burrow for seven consecutive days. Locations of burrowing owls detected during surveys shall be reported to the CNDDB within 30 days. PG&E D&M Activities PG&E shall consult with CDFW to determine the appropriate protective buffer distance for active burrowing owl burrows detected in or within 1,640 feet of the project alignment area, to avoid take of burrowing owls from O&M activities.
BIO-G [PG&E] / Mitigation Measure BIO- 7 [LSPGC]: Implement Limited Operating Period, Conduct Focused Surveys, and Implement Avoidance Measures for Crotch's Bumble Bee		 components and shall apply for PG&E project components and for Crotch's bumble bee: Initial ground-disturbing work (e.g., grading, vegetation removal, staging) in grassland habitat or edges of agricultural areas that contain grasses or forbs shall take place between August 15 and March 15, if feasible to avoid impacts on nesting Crotch's bumble bees. If the above limited operating period is not feasible (i.e., if limiting ground disturbance to the period between August 15 and March 15 would preclude achieving most of all of the project objectives) as determined by LSPGC or PG&E with concurrence from the CPUC, a qualified biologist approved by the CPUC, familiar with bumble bees of California and experienced using survey methods for bumble bees, shall conduct a habitat assessment and focused survey for Crotch's bumble bee before the start of any ground-disturbing activities in grassland habitat or edges of agricultural areas that contain grasses or forbs. Surveys shall be performed when Crotch's bumble bee is most likely to be identified, typically from April through August (i.e., the colony active period) when floral resources and ideal weather conditions are present, and shall follow the methods in Survey Considerations for California Endangered Species Act (CESA) Candidate Bumble Bee Species (CDFW 2023). Surveys shall be conducted during the colony active period the same year as the start of planned construction activities.



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 LSPGC and PG&E shall submit a survey report to the CDFW and the
CPUC within 1 month of survey completion and shall notify the CDFW and the CPUC within 24 hours if Crotch's bumble bees are detected.
 If Crotch's bumble bees are detected during the focused survey, appropriate avoidance measures shall be implemented. Avoidance measures shall include, but not be limited to, the following:
 Protective buffers shall be implemented around active nesting colonies until these sites are no longer active. A qualified biologist, in coordination with the CDFW, shall determine the appropriate buffer size to protect nesting colonies.
 If nesting colonies are detected, avoidance areas shall be implemented in areas near the colony location that contain significant floral resources for the colony, if present. A qualified biologist shall determine the appropriate avoidance area size to protect foraging resources.
 If project activities involving temporary disturbance (e.g., staging) would occur where a nesting colony was detected after the nesting colony is no longer active, the area shall be restored to original conditions after the temporary disturbance is complete such that habitat for Crotch's bumble bee would be available.
 If take of Crotch's bumble bee cannot be avoided, LSPGC and_PG&E shall obtain an Incidental Take Permit (ITP) from the CDFW and shall implement all avoidance measures included in the ITP. The CDFW may also require compensatory mitigation through on-site habitat restoration or purchase of credits at an appropriate mitigation bank. Avoidance measures included in the ITP would reduce the likelihood of take of Crotch's bumble bees such that impacts on the species would be fully mitigated. These measures would include but not be limited to:
 specifications for construction timing and sequencing requirements to avoid impacts on nesting Crotch's bumble bees;
 pre-construction surveys conducted within 30 days prior to the start of ground-disturbing activities;
 establishment of seasonal no-disturbance buffers around nest sites;
 construction monitoring;
 restrictions associated with construction practices, equipment, or materials that may harm bumble bees (e.g., BMPs to minimize the spread of invasive plant species); and
 provisions to avoid Crotch's bumble bees or potential Crotch's bumble bees if observed away from a nest during project activity (e.g., ceasing of project activities until the animal has left the work area).
 Documentation of compliance with this mitigation measure and any required coordination with the CDFW or acquisition of an ITP shall be

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		provided to the CPUC before commencement of any project construction activities.
Construction Measure BIO-H [PG&E]: Conduct Focused Surveys for Giant Kangaroo Rat and San Joaquin Antelope Squirrel and Implement Avoidance Measures	PG&E	 The following measure shall supersede and replace CM BIO-3 (for PG&E components), as presented in the PEA, for giant kangaroo rat and San Joaquin antelope squirrel: Prior to the initiation of any construction activity, a CPUC-approved biologist shall conduct a habitat assessment in the project alignment area to identify habitat suitable for giant kangaroo rat and San Joaquin antelope squirrel. The habitat assessment shall consider land cover types associated with these species (e.g., grassland), presence of burrows potentially suitable for the species, and incidental sightings of giant kangaroo rats or San Joaquin antelope squirrels. Where habitat determined to be potentially suitable for these species is identified, the following measures shall apply. Prior to the initiation of any construction activity, a qualified biologist approved by the CPUC, and with a valid USFWS Section 10(a)1(A) recovery permit (for giant kangaroo rat) and valid CDFW scientific collecting permit (for giant kangaroo rat) and valid DDFW scientific collecting permit (for giant kangaroo rat) and valid burows shall and baropaguin antelope squirrel. Surveys shall be confined to proposed project work areas that overlap the habitat determined to be potentially suitable during the habitat assessment described above, as well as disturbed habitats and agricultural areas within a 500-foot radius of these areas (referred to below as the "survey area"). Surveys for San Joaquin antelope squirrels shall consist of walking transects and visually inspecting the survey area for squirrels and potential burrows. If giant kangaroo rats or San Joaquin antelope squirrels or potential burrows are determined to be absent during surveys, the qualified biologist shall submit a report summarizing the results of the survey to PG&E and the CPUC, and further mitigation will not be required. If giant kangaroo rats or San Joaquin antelope squirrels or potential San Joaquin antelope squirrels with which n



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Construction Measure BIO-I [PG&E] / Mitigation Measure BIO- 8 [LSPGC]: Conduct Focused Surveys for American Badger and Implement Avoidance Measures	PG&E and LSPGC	 rat and San Joaquin antelope squirrel) and USFWS (for giant kangaroo rat) and shall implement all avoidance measures included in the ITP. CDFW may also require compensatory mitigation through on-site habitat restoration or purchase of credits at an appropriate mitigation bank. Avoidance measures included in the ITP would reduce the likelihood of take of giant kangaroo rats and San Joaquin antelope squirrels such that impacts on the species would be fully mitigated. These measures would include but not be limited to:
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		it is a natal den. Impacts on active badger dens shall be avoided by establishing exclusion zones around all active badger dens. If the qualified biologist determines that the den is a natal den, an exclusion zone of 200 feet shall be maintained around the den until the qualified biologist determines that the den has been vacated. If the den is occupied by an adult badger only, the size of the buffer shall be determined by a qualified biologist. No project activities (e.g., vegetation removal, ground disturbance, staging) shall occur within the exclusion zone until denning activities are complete (i.e., the adult badger and young have left the area) or the den is abandoned, as confirmed by a qualified biologist. The qualified biologist shall monitor each den once per week to track the status of the den and to determine when it is no longer occupied. When the den is no longer occupied, project activities within the exclusion zone may occur. Monitoring reports shall be submitted to CDFW and the CPUC.
Construction Measure BIO-J [PG&E] / Mitigation Measure BIO- 9 [LSPGC]: Conduct Focused Surveys for San Joaquin Kit Foxes and Implement Avoidance Measures	PG&E and LSPGC	 The following measures, in accordance with the USFWS Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox Prior to or During Ground Disturbance (USFWS 2011), shall supersede the requirements in APMs BIO-8 (for LSPGC components) and CM BIO-4 (for PG&E components) as presented in the PEA for San Joaquin kit fox: Preconstruction surveys shall be conducted by a qualified biologist no less than 14 days and no more than 30 days prior to the beginning of ground disturbance or construction activities or any project activity likely to adversely affect the San Joaquin kit fox. Surveys shall identify San Joaquin kit fox habitat features in the project alignment area (e.g., dens), evaluate use by kit fox, and assess the potential impacts on the kit fox by the proposed activity. Survey methods shall include thoroughly inspecting suitable habitat in the project alignment area for kit fox dens using walking line transects. The status of all dens shall be determined and mapped. If no San Joaquin kit fox or potential dens (i.e., a burrow at least four inches in the diameter that opens within two feet) are found, the qualified biologist shall document the findings in a letter report to the CPUC, and LSPGC or PG&E, and no further mitigation will be required. If potential or confirmed San Joaquin kit fox dens are found, exclusion zones shall be established for all dens within the project alignment area that are within 200 feet of project work areas, and construction activity and other ground disturbance shall be marked with flagged stakes 50 feet from the den entrance. A 100-foot exclusion



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Cultural and Tribal Cultural Resources		 The onsite representative shall notify USFWS and CDFW immediately with the date, time, and location of the incident. Consultation with USFWS shall be reinitiated.
Construction Measure CR-C [PG&E] / Mitigation Measure CR- 3 [LSPGC]: Conduct Archaeological Resources Surveys and Avoid Archaeological Resources	PG&E and LSPGC	The following measure shall apply for LSPGC and PG&E project components and shall supersede and replace LSPGC APMs CUL-2 and CUL-3 and PG&E CMs CUL-2 and CUL-3, as presented in the PEA, for archaeological resources: Prior to the start of construction, a qualified archeologist who meets the U.S. Secretary of the Interior Professional Qualifications Standards for Archaeology and approved by the CPUC shall perform archeological resources surveys for any portion of the project alignment area not yet surveyed (e.g., private properties with access restrictions) within PG&E or LSPGC project component areas. PG&E and LSPGC shall be responsible for ensuring that archeological resources surveys are conducted throughout all portions of their respective project component areas. For the purposes of this mitigation measure, all archaeological resources discovered during surveys shall be assumed to be unique archaeological resources discovered during surveys shall be assumed to be unique archaeological resources discovered will be recorded by a qualified archaeologist on a California Department of Parks and Recreation DPR 523 primary form or equivalent documentation. Each such resource will be indicated, such as via a GIS device, through environmentally sensitive areas (ESA) to ensure that PG&E or LSPGC construction crews and heavy equipment will not intrude on these sites during construction. Mapping or GIS marking will be preferred in locations where there is a higher risk of site looting (e.g., near public roads, on land where the owner appears to be an artifact collector). At the discretion of PG&E or LSPGC, monitoring may be done in lieu of or in addition to marking. If it is determined that the project, as currently designed, cannot avoid impacts on one or more of the sites, then PG&E or LSPGC (as applicable) shall redesign the project so that the archaeological sites will be completely avoided.



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Measures without Updates

Measure Number	Responsible Party	Measure Text
Aesthetics	_	
APM AES-1: Staging Area Maintenance and Restoration.	LSPGC	All Manning 500/230 Kilovolt Substation Project (Proposed Project) sites will be maintained in a clean and orderly state. Construction staging areas will be sited away from public view where possible. Temporary nighttime lighting will be directed away from residential areas and have shields to prevent light spillover effects. Upon completion of Proposed Project construction, staging and temporary work areas will be returned to pre-Proposed Project conditions, including regrading of the site and reseeding or repaving of disturbed areas to match pre-existing contours and conditions.
CM GNE-1: Standard Construction Practices	PG&E	The following standard construction practices will be implemented, as feasible, to reduce the potential for environmental impacts.
		 Vehicle parking: vehicles and equipment will be parked on pavement, existing roads, and previously disturbed areas to the extent practicable.
		 Work hours: work will occur only during daylight hours, unless required to occur at night due to line clearances for worker safety.
		 Vehicle access: the development of new access and right-of-way (ROW) roads will be minimized, and clearing vegetation and blading for temporary vehicle access will be avoided to the extent practicable.
		 Speed limit: vehicles will not exceed a speed limit of 15 miles per hour (mph) in the ROWs or on unpaved roads within sensitive land-cover types.
		Restoration and erosion control: on completion of any Proposed Project component, all areas that are significantly disturbed and not necessary for future operations, shall be stabilized to resist erosion, and revegetated and recontoured if necessary, to promote restoration of the area to pre- disturbance conditions.
		► Dead or injured listed species: personnel will be required to report any accidental death or injury of a listed species or the finding of any dead or injured listed species to a qualified Biologist. Notification of the California Department of Fish and Wildlife (CDFW) and/or United States Fish and Wildlife Service (USFWS) of any accidental death or injury of a listed species shall be done in accordance with standard reporting procedures.
		 Staging Area Maintenance: Work sites will be maintained in a clean and orderly state.
		 Environmentally Sensitive Areas: Biological field surveys will be performed for areas not yet surveyed. Sensitive biological resources or areas discovered during surveys may be subject to a buffer from construction activities.
		 Aquatic resources: All aquatic resources will be clearly marked prior to construction within the work areas. If deemed necessary by lead biologist, a buffer from construction activities might be established around these areas.





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		 Vegetation: Vegetation and tree removal will be limited to the minimum area necessary to allow construction to proceed and to meet operational requirements.
		 Trapped Animals: All excavated holes/trenches that are not filled at the end of the workday will be covered, or a wildlife escape ramp will be installed to prevent the inadvertent entrapment of wildlife.
		 Delineation of Work Areas: Work areas will be clearly delineated prior to construction commencing with fencing, staking, or flags.
Agricultural and Forestry Resources		
APM AES-1: Landowner Coordination	LSPGC	LS Power Grid California, LLC (LSPGC) will coordinate with landowners prior to construction and during restoration efforts. Measures to be implemented may include, but are not limited to, the following:
		 Provide notice to landowners outlining construction activities and restoration efforts.
		 Restore areas disturbed by construction of the Proposed Project in accordance with lease agreements, applicable operation and maintenance (O&M) standards, and environmental permit requirements.
		 In areas containing permanent crops (e.g., grapevines or orchard crops) that must be removed to gain access to pole sites for construction purposes, LSPGC may provide compensation to the farmer and/or landowner in coordination with the landowner.
CM AG-1: Landowner Coordination	PG&E	Pacific Gas and Electric Company (PG&E) will coordinate with landowners prior to construction and during restoration efforts. Measures to be implemented may include, but are not limited to, the following:
		 Provide notice to landowners outlining construction activities and restoration efforts.
		 Areas disturbed by construction of the Proposed Project restored in accordance with lease and easement conditions, applicable operation and maintenance standards, and environmental permit requirements.
		 In areas containing permanent crops (i.e., grapevines, orchard crops, etc.) that must be removed to gain access to pole sites for construction purposes, PG&E may compensate the farmer and/or landowner in coordination with the landowner.
Air Quality		
Construction Measure AQ-A/Mitigation Measure AQ-1	PG&E and LSPGC	The following measure shall apply for LSPGC and PG&E project components and shall supersede and replace LSPGC APM AIR-1 and PG&E CM AIR-1 as presented in the PEA: Construction contractors for the project shall use engines that meet the EPA's Tier 4 emission standards, as defined in 40 CFR 1039, in at least 75 percent of construction equipment with a rating between 100 and 750 hp off-road construction equipment and shall comply with the appropriate test procedures and provisions contained in 40 CFR Parts 1065 and 1068. This measure can also be achieved by using battery-electric off-road equipment, as it becomes available, for at least 75 percent of construction equipment and/or by using a



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		combination of engines that meet the EPA's Tier 4 emission standards and battery-electric off-road construction equipment, as long as the total of Tier 4 and battery-electric construction equipment comprises 75 percent of construction equipment. Implementation of this measure shall be required in the contract the project applicant establishes with its construction contractors. LSPGC and PG&E shall separately demonstrate their plans to fulfill the requirements of this measure in a memorandum that shall be submitted to the CPUC before the use of any off- road diesel-powered construction equipment on the site. Each memorandum shall include a list of the equipment and vehicles to be used during construction of LSPGC and PG&E project components with details including equipment/vehicle engine tiers and expected daily and annual usage hours to demonstrate adherence to the 75 percent requirement above.
APM AIR-2: Dust Control	LSPGC	 Measures to control fugitive dust emissions will be implemented during construction. These measures will be included in a Fugitive Dust Control Plan that will be prepared in accordance with San Joaquin Valley Air Pollution Control District requirements. The measures will be implemented as needed to control dust emissions. These measures will include, but may not be limited to, the following: Surfaces disturbed by construction activities will be covered or treated with a
		 dust suppressant or water until the completion of activities at each site of disturbance. Inactive, disturbed (e.g., excavated or graded areas) soil and soil piles will be sufficiently watered or sprayed with a soil stabilizer to create a surface crust, or will be covered.
		 Drop heights from excavators and loaders will be minimized to a distance of no more than 5 feet. Vehicles hauling soil and other loose material will be covered with tarps or maintain at least 6 inches of freeboard.
		 Vehicles will adhere to a speed limit of 15 miles per hour (mph) on Proposed Project-specific construction routes and within temporary work areas.
CM AIR-2: Fugitive Dust Control	PG&E	The following actions will be taken, as applicable and feasible, to control fugitive dust during construction. San Joaquin Valley Air Pollution Control District notifications will be made in accordance with any requirements in effect at the time of construction.
		 Applying water to disturbed areas and to storage stockpiles.
		 Applying water in sufficient quantities to prevent dust plumes during activities such as clearing and grubbing, backfilling, trenching, and other earth-moving activities.
		► Limit vehicle speed to 15 mph.
		 Load haul trucks with a freeboard (space between top of truck and load) of 6 inches or greater.
		► Cover the top of the haul truck load.
		 Clean up track-out at least daily.
Biological Resources		

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Construction Measure BIO-B [PG&E]/Mitigation Measure BIO-2 [LSPGC]: Conduct Protocol-Level Surveys for Blunt-Nosed Leopard Lizard and Implement Avoidance Measures	PG&E and LSPGC	 The following measure shall supersede and replace LSPGC APM BIO-15 for LSPGC project components and PG&E CM BIO-5 for PG&E project components, as presented in the PEA, for blunt-nosed leopard lizard: Prior to construction of project components in habitats suitable for blunt-nosed leopard lizard (i.e., annual grassland), at least two qualified biologists approved by the CPUC shall conduct surveys following measures in the Approved Survey Methodology for the Blunt-Nosed Leopard Lizard (CDFW 2019) between April and September, including spring adult surveys and fall hatchling surveys. Biologists shall conduct visual search surveys while walking in parallel on adjacent transects that cover all areas within the project site with potential blunt-nosed leopard lizard habitat. Biologists shall stop periodically to scan the transect for blunt-nosed leopard lizard using close-focusing binoculars. The survey methods applied shall be commensurate with the anticipated level of disturbance, as described below.
		 For project activities that could result in habitat removal: A total of 12 adult surveys shall take place during the optimal survey period (April 15 to July 15) with a maximum of 4 survey days per week and 8 days within any 30-day time period. At least one survey session shall be conducted for 4 consecutive days, weather permitting. A total of 5 additional hatchling surveys shall take place during the hatchling optimal survey period (August 1 to September 15). For operation and maintenance activities that would not result in habitat removal: A total of 8 adult surveys shall take place during the optimal survey period (April 15 to July 15) with a maximum of 3 survey days per week and 6 days within any 30-day time period. Fall hatchling surveys are not required for activities in this category. If blunt-nosed leopard lizards are observed, biologists shall record the location (UTM coordinates) of individuals and the presence of habitat features important for blunt-nosed leopard lizard (e.g., washes, playas, relative abundance of small mammal burrows). Because this species is designated as Fully Protected under the California Fish and Game Code, complete avoidance of take (i.e., hunting, pursuing, catching, capturing, or killing) is required, unless PG&E and/or LSPGC consult with CDFW and obtain an Incidental Take Permit pursuant to SB 147 (Statutes of 2023) and Fish and Game Code Section 2081.15. PG&E and/or LSPGC will adhere to the provisions and conditions of the Incidental Take Permit that may include compensatory mitigation and would fully mitigate impacts on the species. In the event Fish and Game Code Section 2081.15 is deemed by CDFW to be inapplicable such that incidental Take is not permissible, PG&E and/or LSPGC shall initiate consultation with CDFW to determine how the project can be designed to completely avoid take of



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		 All blunt-nosed leopard lizard observations shall be reported to the CNDDB within 30 days. If no blunt-nosed leopard lizards are observed during the survey period, then further mitigation for this species is not required. Surveys shall be accepted for one year from the date of completion.
Construction Measure BIO-C [PG&E] / Mitigation Measure BIO- 3 [LSPGC]: Conduct Focused Surveys for Special-Status Reptiles and Implement Avoidance Measures	PG&E and LSPGC	 Within 14 days before the initiation of any construction activity, a qualified biologist approved by the CPUC shall conduct a focused visual survey of habitat suitable (i.e., annual grassland, scrub) for California glossy snake, coast horned lizard, and/or San Joaquin coachwhip in the project alignment area and a 100-foot buffer surrounding the project alignment area, which shall include walking linear transects. If California glossy snake, coast horned lizard, or San Joaquin coachwhip are not detected during the focused survey, the qualified biologist shall submit a report summarizing the results of the survey to LSPGC, PG&E, and the CPUC, and further mitigation shall not be required. If California glossy snake, coast horned lizard, or San Joaquin coachwhip are
		detected, a qualified biologist with an appropriate CDFW Scientific Collecting Permit that allows handling of reptiles shall be present during initial ground- disturbance activities and shall inspect the project site before initiation of project activities. If California glossy snake, coast horned lizard, or San Joaquin coachwhip are detected, the qualified biologist shall move individuals into nearby suitable habitat that will not be disturbed by project activities or will allow the individual to move out of the project area of its own volition if it is not in immediate danger.
Construction Measure BIO-D [PG&E] / Mitigation Measure BIO- 4 [LSPGC]: Conduct Focused Surveys for Western Spadefoot Toads and Implement Avoidance Measures	PG&E and LSPGC	 The following measure shall apply for LSPGC project components and shall supersede and replace PG&E CM BIO-6 for PG&E project components, as presented in the PEA, for western spadefoot toads: Within 48 hours prior to project implementation within areas containing habitat suitable for western spadefoot toad, a qualified biologist approved by the CPUC shall conduct focused surveys within identified work and access areas that are located in aquatic (i.e., vernal pool, wetland) and upland (i.e., annual grassland) habitats within approximately 860 feet (262 meters) of aquatic habitat (Baumberger et al. 2019) suitable for the species. Burrows that are unavoidable and considered potentially occupied by western spadefoot toads shall be identified and further examined by a qualified biologist (e.g., with a burrow scope, through hand excavation) to determine whether an adult toad is present in the burrow.
		 submit a report summarizing the results of the survey to LSPGC, PG&E, and the CPUC, and further mitigation will not be required. If western spadefoot toads are detected during focused surveys, then adults, tadpoles, and egg masses shall be relocated by a qualified biologist with a valid CDFW scientific collecting permit to nearby suitable habitat that will not be disturbed by project activities. This relocation is considered adequate to reduce impacts below the level of significance under CEQA. Because western spadefoot is proposed for listing under the ESA, if the



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		species is listed before construction activities begin, LSPGC and PG&E shall consult with the USFWS to determine whether additional measures or permitting is required to comply with the ESA.
Construction Measure BIO-K [PG&E] / Mitigation Measure BIO- 10 [LSPGC]: Implement Avoidance Measures for State or Federally Protected Wetlands and Obtain Permits for Impacts on Wetlands	PG&E and LSPGC ►	If potential state or federally protected wetlands identified in the project alignment area can be avoided, a qualified biologist approved by the CPUC shall establish a buffer around wetlands and mark the buffer boundary with high-visibility flagging, fencing, stakes, or clear existing landscape demarcations (e.g., edge of a roadway). The buffer will be a minimum width of 25 feet but may be larger if deemed necessary. The appropriate size and shape of the buffer zone shall be determined in coordination with the qualified biologist and will depend on the type of wetland present (e.g., seasonal wetland, seep, pond), the timing of project activities (e.g., wet or dry time of year), whether any special-status species may occupy the wetland and the species' vulnerability to the project activities, environmental conditions and terrain, and the project activity being implemented.
		• Project activities (e.g., ground disturbance, vegetation removal, staging) shall be prohibited within the established buffer. The qualified biologist shall periodically inspect the materials demarcating the buffer to confirm that they are intact and visible, and wetland impacts are being avoided.
		If it is determined that disturbance or fill of potential state or federally protected wetlands or waters cannot be avoided, LSPGC and/or PG&E shall submit the appropriate permit applications to the relevant regulatory agencies (e.g., USACE, RWQCB).
		If it is determined that fill of waters of the United States would result from project implementation, LSPGC and/or PG&E shall secure authorization for such fill from the USACE through the Section 404 permitting process. Any waters of the United States that would be affected by the project shall be replaced or restored on a no-net-loss basis in accordance with the applicable USACE mitigation guidelines in place at the time of construction. In association with the Section 404 permit (if applicable) and prior to the issuance of any grading permit, a Section 401 Water Quality Certification shall be obtained from the Central Valley RWQCB. For impacts on waters of the state that are not also waters of the United States and are therefore not covered by the 401 Water Quality Certification, the applicant shall apply to the RWQCB for Waste Discharge Requirements following the State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (SWRCB 2021). Any waters of the United States or waters of the state that are to be affected by the project shall be replaced or restored on a no-net-loss basis in determine the state that are to be affected by the project shall be replaced or restored on a no-net-loss basis in



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		 accordance with the applicable USACE and SWRCB mitigation standards in place at the time of construction. If it is determined that disturbance or fill of state protected waters cannot be avoided, LSPGC and/or PG&E shall notify the CDFW before commencing activity that may divert the natural flow or otherwise alter the bed, or bank of any 1602 jurisdictional waterway. If project activities trigger the need for a Lake or Streambed Alteration Agreement, LSPGC and/or PG&E shall obtain such an agreement from the CDFW before the activity commences. LSPGC and/or PG&E shall conduct project construction activities in accordance with the agreement, including implementing reasonable measures in the agreement necessary to protect fish and wildlife resources, when working within the bed or bank of a lake or stream. These measures may include but shall not be limited to demarcation of the construction area, biological monitoring, environmental awareness training for construction crews, and compensatory measures (e.g., restoration, long-term
Construction Measure BIO-L [PG&E] / Mitigation Measure BIO- 11 [LSPGC]: Develop and Implement an Avian Protection Plan	PG&E and LSPGC	 habitat management) such that there would be no net loss. PG&E shall implement its Avian Protection Plan, PG&E's Program to Address Avian Electrocutions, Collisions, and Nesting Birds (PG&E 2018), including all risk reduction measures and training and reporting requirements therein. LSPGC must follow the recommendations outlined in Reducing Avian Collisions with Power Lines: The State of the Art in 2012 (APLIC 2012 or the most current version). In addition, LSPGC shall develop and implement an Avian Protection Plan according to the Avian Protection Plan Guidelines (APLIC and USFWS 2005). The plan shall include measures to minimize collision and electrocution risk to avian species during project operation. The plan shall be submitted for review to the CDFW and USFWS at least 60 days before construction begins.
APM BIO-1: Avoid Environmentally Sensitive Areas	LSPGC	Biological field surveys will be performed for any portion of the Proposed Project area not yet surveyed (e.g., areas that did not have landowner access, new or modified staging areas, pull sites, or other work areas). Sensitive biological resources or areas discovered during surveys will be subject to a buffer from construction activities in accordance with the applicable Proposed Project applicant-proposed measures (APMs). The findings of all biological field surveys on portions of the Proposed Project area not yet surveyed will be provided to the California Public Utilities Commission (CPUC) prior to construction commencing within those areas.
APM BIO-2: Develop and Implement Restoration Plan	LSPGC	A Proposed Project-specific restoration plan will be prepared for areas to be temporarily disturbed by the Proposed Project. Actively cultivated agricultural fields, developed areas, or habitats disturbed as a result of activities not related to the Proposed Project will not be subject to the restoration plan. The restoration plan will include procedures for restoration activities, including plant

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		species to be reseeded, procedures to reduce weed encroachment, and expected timeframes for restoration. Reseeding activities will be conducted in accordance with the Proposed Project Storm Water Pollution Prevention Plan. The restoration plan will be submitted to the CPUC for approval prior to the start of construction activities.
APM BIO-3: Worker's Environmental Awareness Program	LSPGC	A Worker's Environmental Awareness Program (WEAP) will be designed, implemented, and provided to all Proposed Project personnel, including construction supervisors and field personnel, prior to personnel commencing work on the Proposed Project. The WEAP will inform all construction personnel of the resource protection and avoidance measures, as well as procedures to be followed upon the discovery of environmental resources. Additionally, the WEAP will train all construction personnel on hazardous materials management, hazardous wastes and stained or odiferous soils identification, and applicable regulations. The WEAP training will include, at a minimum, the following topics so crews will understand their obligations:
		 A review of applicable local, state, and federal ordinances, laws, and regulations pertaining to environmental and biological resource protection;
		 Training on how to identify sensitive or special-status biological resources, environmentally sensitive area (ESA) boundaries, housekeeping (i.e., trash and equipment cleaning), safety, work stoppage, and communication protocol;
		 A discussion of procedures to be followed in the event that unanticipated sensitive or special-status biological resources are discovered during implementation of the Proposed Project;
		 A discussion of disciplinary and other actions that could be taken against persons violating environmental and biological resource protection laws and applicant policies;
		 Training on the handling, storage, and disposal of hazardous materials and wastes in accordance with applicable regulations;
		 Training on the identification of potentially hazardous wastes and stained or odiferous soils; and
		 A statement by the construction company or applicable employer agreeing to abide by the WEAP and other applicable laws and regulations.
		 The WEAP will be submitted to and approved by the CPUC prior to construction.
APM BIO-4: Pre- Construction Plant Surveys	LSPGC	Prior to initial vegetation clearing and ground-disturbing activities in annual grassland habitat, a qualified biologist will conduct pre-construction surveys of the Proposed Project work area for special-status plants. Surveys will be conducted during the appropriate bloom period for Lost Hills crownscale and Panoche pepper-grass (i.e., April to September and February to June, respectively). No surveys will be conducted in actively cultivated agricultural fields, bare ground, or developed areas. In the event of the discovery of a previously unknown special-status plant, the area will be marked as a sensitive area and will be avoided to the maximum extent practicable. If avoidance of species listed under the federal Endangered Species Act (FESA) or California

The CPUC regulates privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies.



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		Endangered Species Act (CESA) is not possible, the United States Fish and Wildlife Service (USFWS) and/or the California Department of Fish and Wildlife (CDFW) will be consulted. Any other construction activities that may impact sensitive biological resources, including movement of construction equipment and other activities outside of the fenced/paved areas, will be monitored by a qualified biologist. The monitor/inspector will have the authority to stop work activities upon the discovery of sensitive biological resources and allow construction to proceed after the identification and implementation of steps required to avoid or minimize impacts to sensitive resources.
APM BIO-5: Vehicle Cleaning	LSPGC	Prior to their initial arrival on the Proposed Project site, all construction equipment and vehicles that will travel or operate within annual grassland habitats and/or outside of approved access roads/designated parking areas (e.g., staging yards) within these habitats will be cleaned to avoid spread of noxious weeds and non-native invasive plant species.
APM BIO-7: Pre- Construction Giant Kangaroo Rat Surveys	LSPGC	Prior to the initiation of construction, a qualified biologist will conduct protocol- level surveys of the Proposed Project work area for giant kangaroo rat. Surveys will be confined to Proposed Project work areas within annual grassland habitats, as well as disturbed habitats and agricultural areas within a 500-foot radius of annual grassland habitats. Surveys will conform to the methodology outlined in the San Joaquin Kangaroo Rat Trapping Protocol (USFWS 2013). If species presence is determined through these surveys, the USFWS and CDFW will be consulted to ensure compliance with the FESA and CESA, respectively, and species-specific mortality reduction or avoidance plans will be developed for agency review and approval in accordance with APM BIO-10.
APM BIO-8: Pre- Construction San Joaquin Kit Fox Surveys	LSPGC	Prior to the initiation of construction, a qualified biologist will conduct protocol- level surveys of the Proposed Project work area for San Joaquin kit fox. Surveys will be confined to Proposed Project work areas within annual grassland habitats, as well as disturbed habitats and agricultural areas within a 500-foot radius of annual grassland habitats. Surveys will conform to the methodology outlined in the Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox Prior to or During Ground Disturbance (USFWS 2011). If species presence is determined through these surveys, the USFWS and CDFW will be consulted to ensure compliance with the FESA and CESA, respectively, and species-specific mortality reduction or avoidance plans will be developed for agency review and approval in accordance with APM BIO-10.
APM BIO-9: Pre- Construction San Joaquin Antelope Squirrel Surveys	LSPGC	Prior to the initiation of construction, a qualified biologist will conduct focused surveys of the Proposed Project work area for San Joaquin antelope squirrel in annual grassland habitats, as well as disturbed habitats and agricultural areas within a 500-foot radius of annual grassland habitats. If species presence is determined through these surveys, the CDFW will be consulted to ensure compliance with the CESA, and species-specific mortality reduction or avoidance plans will be developed for agency review and approval in accordance with APM BIO-10.
APM BIO-10: Burrow and Den Avoidance	LSPGC	If occupied burrows or dens are found during pre-construction wildlife and burrow surveys, adequate buffers will be established around burrows. Adequate buffers will be determined by a qualified biologist based on field conditions and resource agency guidelines. If avoidance of species listed under the FESA or

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		 CESA is not possible, the USFWS and/or CDFW will be consulted, and species-specific mortality reduction or avoidance plans will be developed for agency review and approval, as appropriate. These plans may include, but will not be limited to the following: Detailed description of trapping methodology, Detailed burrow excavation methods, Release location(s), Detailed release methods, Artificial burrow design and installation methods, Description of exclusion fencing type and implementation, and Identification of a wildlife rehabilitation center or veterinary facility capable of and willing to treat injured special-status species. Any other construction activities that may impact burrows occupied by special-status species (including movement of construction equipment and other
APM BIO-11: Vehicle	LSPGC	activities outside of the fenced/paved areas within wildlife habitat) will be monitored by a qualified biologist. The monitor/inspector will have the authority to stop work activities upon the discovery of sensitive biological resources and allow construction to proceed after the identification and implementation of steps required to avoid or minimize impacts to sensitive resources.
Travel	LSPGC	Vehicles will adhere to a speed limit of 15 mph on Proposed Project-specific unpaved construction routes where no posted speed limit exists and within temporary work areas. In addition, construction and maintenance employees will be required to stay on established and clearly marked and existing roads and within the limits of disturbance except when not feasible due to physical or safety constraints and will be advised that care should be exercised when commuting to and from the Proposed Project area to reduce accidents and animal road mortality.
APM BIO-12: Trapped Animal Prevention	LSPGC	All excavated holes/trenches that are not filled at the end of a workday will be covered, or a wildlife escape ramp will be installed to prevent the inadvertent entrapment of wildlife species.
APM BIO-13: Delineation of Work Areas	LSPGC	All work areas within the Proposed Project area will be clearly delineated with fencing, staking, or flags prior to construction commencing. Construction activities will be restricted to delineated work areas, and all delineation will be maintained in working order until completion of construction.
APM BIO-14: Project Lighting	LSPGC	The use of outdoor lighting during construction and O&M will be minimized whenever practicable. Photocell-controlled lighting (i.e., motion detection) will be provided at a level sufficient to provide safe entry and exit to the proposed LSPGC Manning Substation and control enclosures. All lighting will be selectively placed, shielded, and directed downward and away from sensitive habitat and resources to the maximum extent practicable.
APM BIO-18: Nesting Bird Avoidance	LSPGC	If feasible, construction and vegetation trimming/removal will be avoided during the migratory bird nesting or breeding season (i.e., February 15 to August 31). When it is not feasible to avoid construction during the nesting or breeding season, a survey will be performed in the area where the work is to

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		occur. This survey will be performed to determine the presence or absence of nesting birds. If an active nest (i.e., containing eggs or young) is identified, a suitable construction buffer (which will differ based on species and location of nest) will be implemented to ensure that the nesting or breeding activities are not substantially adversely affected. If the nesting or breeding activities are being conducted by a federally or state-listed species, the USFWS and CDFW will be consulted as necessary. Monitoring of the nest will continue until the birds fledge or construction is no longer occurring on the site.
APM BIO-19: Vegetation	LSPGC	Vegetation and tree removal will be limited to the minimum area necessary to allow construction to proceed.
APM BIO-20: Raptor Nests	LSPGC	If a raptor nest is observed during pre-construction surveys, a qualified biologist will determine if it is active. If the nest is determined to be active, the biological monitor will monitor the nest to ensure that nesting or breeding activities are not substantially adversely affected. If the biological monitor determines that activities associated with the Proposed Project are disturbing or disrupting nesting or breeding activities, the biological monitor will make recommendations to reduce noise or disturbance in the vicinity of the nest, such as temporarily suspending work in the area. If the nest is determined to be inactive, the nest will be removed under direct supervision of the qualified biologist.
CM BIO-1: Worker Environmental Awareness Training	PG&E	A qualified biologist will develop an environmental awareness training program that is specific to the Proposed Project. All on-site construction personnel will attend the training before they begin work on the Proposed Project. Training will include a discussion of the construction management practices that are being implemented to protect biological resources as well as the terms and conditions of any Proposed Project permits.
CM BIO-2: Special-Status Plants	PG&E	Prior to initial vegetation clearing and ground-disturbing activities in annual grassland habitat, a qualified biologist will conduct pre-construction surveys of the Proposed Project work area for special-status plants. If a covered plant species is present following special-status plant surveys, a qualified biologist will stake and flag exclusion zones of 100 feet around plant occupied habitat (both the standing individuals and the seed bank individuals) of the covered species prior to performing the activities. If an exclusion zone cannot extend the specified distance from the habitat, the biologist will stake and flag a restricted activity zone of the maximum practicable distance from the exclusion zone around the habitat. This exclusion zone distance is a guideline that may be modified by a qualified biologist, based on site-specific conditions (including habituation by the species to background disturbance levels). If avoidance of plant species listed under the Federal Endangered Species Act (FESA) or California Endangered Species Act (CESA) is not possible, the USFWS and/or CDFW will be consulted.
CM BIO-3: Giant Kangaroo Rat and San Joaquin Antelope Squirrel	PG&E	Prior to the initiation of ground-disturbing activities in suitable grassland habitat, a qualified biologist will conduct pre-construction surveys of the Proposed Project work area for giant kangaroo rat and San Joaquin antelope squirrel. Personnel shall avoid occupied or potentially occupied burrows identified by a qualified biologist. If occupied or potentially occupied burrows in the core areas can be avoided by a minimum of 50 feet, then work can



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		proceed. If occupied or potentially occupied burrows cannot be avoided by 50 feet, then a qualified biologist shall stake and flag an appropriate work-exclusion zone and remain on site as a biological monitor. If occupied burrows cannot be avoided, the USFWS and CDFW will be consulted to ensure compliance with the FESA and CESA, respectively, and species-specific mortality reduction or avoidance plans will be developed for agency review and approval.
CM BIO-4: San Joaquin Kit Fox	PG&E	Prior to the initiation of ground-disturbing activities in grassland habitat suitable for foraging and denning, a qualified biologist will conduct pre construction surveys of the Proposed Project work area for San Joaquin kit fox. If San Joaquin kit fox dens are present, their disturbance and destruction will be avoided. Exclusion zones for kit fox will be implemented following USFWS procedures (USFWS 1999) or the latest USFWS procedures. The radius of these zones will follow current standards or will be determined on a case-by-case basis in coordination with the USFWS and CDFW. Maternity dens shall be avoided during pup-rearing season (February 15 through July 1) and a minimum 200-foot buffer established. If dens are located within the proposed work area and cannot be avoided during construction, qualified biologists will determine if the dens are occupied. If unoccupied, the qualified biologist will remove these dens by hand-excavating them in accordance with USFWS procedures for kit fox (USFWS 1999). If occupied, work activities will be delayed until the den is determined to no longer be active.
CM BIO-8: Migratory Birds	PG&E	Prior to work activities conducted during the nesting bird season (February 1 to August 31), the work area will be inspected for nests. If a nest is discovered, a biologist will be contacted to determine the nest status, the species of the nesting birds, and if work activities are likely to impact the nest. If a nest is confirmed active (i.e., the nest contains eggs or young or the adults are exhibiting nesting behaviors such as siting in the nest, carrying food to the nest, etc.), designated avoidance buffers will be required and implemented according to the most recent PG&E Nesting Bird Management Plan and guidance available. The established buffers will remain in effect until the young have fledged or the nest is no longer active, as confirmed by the biologist. The biologist will have authority to order the cessation of nearby work activities or adjust buffers if nesting pairs exhibit signs of disturbance. Buffer sizes may be reduced if the biologist determines that a reduced buffer size will not result in the abandonment of the nest or failure based on compelling biological and ecological reasoning (e.g., the biology of the bird species, concealment of the nest by topography, land use type, vegetation, and the level of project activity). Inactive nests may be removed in accordance with PG&E's approved avian permits.
Cultural and Tribal Cultural Resources		
Construction Measure CR-A [PG&E] / Mitigation Measure CR-1 [LSPGC]: Conduct Built Environment Historical	PG&E and LSPGC	The following measure shall apply to LSPGC project and PG&E components and shall supersede and replace LSPGC APM CUL-2 and PG&E CM CUL-2, as presented in the PEA, for historic resources: Prior to the start of construction, a qualified architectural historian who meets the U.S. Secretary of the Interior Professional Qualifications Standards for





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Resources Surveys for Built Environment Resources		History or Architectural History and approved by the CPUC shall perform historical resources surveys for built environment features for any portion of the project alignment area not yet surveyed (e.g., private properties with access restrictions) within PG&E or LSPGC project component areas. PG&E and LSPGC shall be responsible for ensuring that historical resources surveys for built environment features are conducted throughout all portions of their respective project component areas. For the purposes of this mitigation measure, built- environment features 50 years and older discovered during surveys shall be assumed to be historical resources as defined by State CEQA Guidelines Section 15064.5, and depending on whether the location of the resource is in LSPGC's or PG&E's project area, either LSPGC or PG&E shall be required to comply with Mitigation Measure CR-B. All such resources will be recorded on a California Department of Parks and Recreation DPR 523 primary form or equivalent documentation by a qualified architectural historian
Construction Measure CR-B [PG&E] / Mitigation Measure CR-2 [LSPGC]: Protect Historical Built Environment Resources	PG&E and LSPGC	 The following measure shall apply for LSPGC and PG&E project components and shall supersede and replace LSPGC APM CUL-2 and PG&E CM CUL-2, as presented in the PEA, for built environment historic resources: If a built environment historical resource is identified in the project area, PG&E or LSPGC (as applicable, depending on whether the location of the resource is in LSPGC's or PG&E's project area) shall redesign the project to avoid direct or indirect impacts to the building or structure.
Construction Measure CR-D [PG&E] / Mitigation Measure CR-4 [LSPGC]: For All Ground- Disturbing Construction Activities, Halt Ground Disturbance upon Discovery of Subsurface Archaeological Features	PG&E and LSPGC	The following measure shall apply for LSPGC and PG&E project components and shall supersede and replace LSPGC APMs CUL-2 and CUL-3 and PG&E CMs CUL-2 and CUL-3, as presented in the PEA, for archaeological resources: In the event that any precontact or historic era subsurface archaeological features or deposits are discovered during construction, including midden (typically characterized by locally darkened soils containing artifacts or surrounding bedrock milling features), all ground-disturbing activity within 50 feet of the discovery shall be halted by construction personnel, and a qualified professional archaeologist who meets the U.S. Secretary of the Interior Professional Qualifications Standards for Archaeology and has been approved by the CPUC shall be retained to assess the significance of the find within 30 days. Assessment methods will depend on the nature of the resource but may include, but are not limited to, archival research, archaeological testing, and further recording. If the qualified archaeologist determines the archaeological material to be Native American in nature, LSPGC or PG&E shall contact the CPUC to identify the appropriate Native American tribe(s). The tribe(s) shall be contacted for their input on the preferred treatment of the find. If the find is recommended as eligible for the California Register of Historical Resources (CRHR) by the archaeologist and determined eligible by the CPUC, the archaeologist shall develop, and PG&E or LSPGC (as applicable) shall implement appropriate procedures to protect the integrity of the resource and ensure that the resource is not subject to adverse impacts. Procedures to avoid impacts could include, but would not necessarily be limited to preservation in place (which shall be the preferred approach) and, if necessary, further research (possibly including archaeological testing) to determine the boundaries of the resource. If it is determined that the project, as currently designed, cannot





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		avoid impacts on any newly identified site, then PG&E or LSPGC (as applicable) shall redesign the project so that the archaeological sites will be completely avoided.
APM CUL-1: Cultural Resources Awareness Training	LSPGC	 avoided. In accordance with this measure, the Proposed Project's WEAP will include, at a minimum: Training on how to identify potential cultural resources and human remains during the construction process; A review of applicable local, state, and federal ordinances, laws, and regulations pertaining to historic preservation; A discussion of procedures to be followed in the event that unanticipated cultural resources are discovered during implementation of the Proposed Project; A discussion of disciplinary and other actions that could be taken against persons violating historic preservation laws and policies; and A statement by the construction company or applicable employer agreeing to abide by the WEAP, and other applicable laws and regulations. The WEAP will be provided to all Proposed Project personnel who may encounter and/or alter historical resources or unique archaeological properties, including construction supervisors and field personnel. No construction worker
		will be involved in ground-disturbing activities without having participated in the WEAP.
APM CUL-3: Inadvertent Discoveries	LSPGC	In the event that previously unidentified cultural resources are uncovered during implementation of the Proposed Project, all work within 50 feet of the discovery will be halted and redirected to another location. A qualified archaeologist(s) will inspect the discovery and determine whether further investigation is required. The qualifications of the archaeologist(s) will be approved by the CPUC. If the discovery can be avoided and no further impacts will occur, the resource will be documented on California Department of Parks and Recreation cultural resources records and no further effort will be required. If the resource cannot be avoided and may be subject to further impact, the significance and NRHP and CRHR eligibility of the resource will be evaluated and, in consultation with the CPUC, appropriate treatment measures will be determined. All work will remain halted until a Secretary of the Interior-qualified archaeologist approves the treatment measures. Preservation in place will be the preferred means to avoid impacts to significant historical resources. Consistent with California Environmental Quality Act (CEQA) Guidelines Section 15126.4(b)(3), if it is demonstrated that resources cannot feasibly be avoided, and if the unearthed resource is prehistoric or Native American in nature, a Native American representative, in consultation with the CPUC, will develop additional treatment measures, such as data recovery consistent with CEQA Guidelines Section 15126.4(b)(3)(C-D). Archaeological materials recovered during any investigation will be curated at an accredited curation facility or transferred to the appropriate tribal organization.
CM CUL-1: Worker Awareness Training	PG&E	PG&E will provide environmental awareness training on archaeological and paleontological resources protection. This training may be administered by the PG&E cultural resources specialist (CRS) or a designee as a stand-alone training



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		or included as part of the overall environmental awareness training as required by the Proposed Project and will at minimum include: types of cultural resources or fossils that could occur at the Proposed Project site; types of soils or lithologies in which the cultural resources or fossils could be preserved; procedures that should be followed in the event of a cultural resource, human remain, or fossil discovery; and penalties for disturbing cultural or paleontological resources.
CM CUL-3: Unanticipated	PG&E	a. Unanticipated Cultural Resources.
Cultural Resources and Paleontological Discoveries		If unanticipated cultural resources are inadvertently discovered during site preparation or construction activities, work will stop in that area and within 50 feet of the find until the CRS or their qualified designee can assess the significance of the find and, if necessary, develop appropriate treatment measures in consultation with PG&E and other appropriate agencies. Work may continue on other portions of the site with the CRS's approval. PG&E will implement the CRS's or their designee's recommendations for treatment of discovered cultural resources.
		b. Human Remains.
	C.	In the unlikely event that human remains or suspected human remains are uncovered during pre-construction testing or during construction, all work within 50 feet of the discovery will be halted and redirected to another location. The find will be secured, and the CRS or designated representative will be contacted immediately to inspect the find and determine whether the remains are human. If the remains are not human, the CRS will determine whether the find is an archaeological deposit and whether paragraph (a) of this APM should apply. If the remains are human, the CRS will immediately implement the applicable provisions in Public Resources Code (PRC) Sections 5097.9 through 5097.994, beginning with the immediate notification to the affected county coroner. The coroner has two working days to examine human remains after being notified. If the coroner determines that the remains are Native American, California Health and Safety Code 7050.5 and PRC Section 5097.98 require that the CRS contact the Native American Heritage Commission (NAHC) within 24 hours. The NAHC, as required by PRC Section 5097.98, will determine and notify the Most Likely Descendant.
		c. Paleontological Discoveries.
		If significant paleontological resources are discovered during construction activities, work will stop within 50 feet and the PG&E CRS will be contacted immediately. The CRS will work with the qualified paleontologist to evaluate the discovery. If the discovery is determined to be significant, PG&E will implement measures to protect and document the paleontological resource. Work may not resume within 50 feet of the find until approval by the CRS in coordination with the paleontologist. In the event that significant paleontological resources are encountered during the project, protection and recovery (if feasible and safe) of those resources may be required. Treatment and curation of fossils will be conducted in consultation with the landowner, PG&E, and California Public Utilities Commission (CPUC). The

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		paleontologist will be responsible for developing the recovery strategy and will lead the recovery effort, which will include establishing recovery standards, preparing specimens for identification and preservation, documentation and reporting, and securing a curation agreement from the approved facility.
Geology and Soils		
APM GEO-1: Geological Hazards and Disturbance	LSPGC	The following measures will be implemented during construction to minimize impacts from geological hazards and disturbance to soils:
to Soils		 Keep vehicles and construction equipment within the limits of the Proposed Project and in approved construction work areas to reduce disturbance to topsoil.
		Prior to grading in temporary work areas, salvage topsoil to a depth of 6 inches or to the actual depth if shallower (as identified in a site-specific geotechnical investigation report) to avoid the mixing of soil horizons.
		Avoid construction in areas with saturated soils whenever practical to reduce impacts to soil structure and allow safe access. Similarly, avoid topsoil salvage in saturated soils to maintain soil structure.
		Keep topsoil material on site in the immediate vicinity of the temporary disturbance or at a nearby approved work area to be used in restoration of temporarily disturbed areas. Recontour temporarily disturbed areas following construction to match pre-construction grades. Site and manage on-site material storage in accordance with all required permits and approvals.
		Keep vegetation removal and soil disturbance to a minimum and limited to only the areas needed for construction. Dispose of removed vegetation off site at an appropriate licensed facility, or it can be chipped on site to be used as mulch during restoration.
CM GEO-1: Minimize Construction in Soft or Loose Soils	PG&E	Where soft or loose soils are encountered during Proposed Project construction, several actions are available, feasible, and can be implemented to avoid, accommodate, replace, or improve such soils. Depending on site-specific conditions and permit requirements, one or more of these actions may be implemented to eliminate impacts from soft or loose soils:
		 Locating construction facilities and operations away from areas of soft and loose soil.
		 Over-excavating soft or loose soils and replacing them with engineered backfill materials.
		 Increasing the density and strength of soft or loose soils through mechanical vibration and/or compaction.
		 Installing material, such as aggregate rock, steel plates, or timber mats, over access roads.
		► Treating soft or loose soils in place with binding or cementing.
CM PALEO-1: Unanticipated	PG&E	If significant paleontological resources are discovered during construction activities, work will stop within 50 feet and the PG&E CRS will be contacted immediately. The CRS will work with the qualified paleontologist to evaluate the

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Paleontological Discoveries Greenhouse Gas Emissions and Climate Change		discovery. If the discovery is determined to be significant, PG&E will implement measures to protect and document the paleontological resource. Work may not resume within 50 feet of the find until approval by the CRS in coordination with the paleontologist. In the event that significant paleontological resources are encountered during the project, protection and recovery (if feasible and safe) of those resources may be required. Treatment and curation of fossils will be conducted in consultation with the landowner, PG&E, and the CPUC. The paleontologist will be responsible for developing the recovery strategy and will lead the recovery effort, which will include establishing recovery standards, preparing specimens for identification and preservation, documentation and reporting, and securing a curation agreement from the approved facility.
APM GHG-1: Greenhouse Gas Emissions Reduction During Construction	LSPGC	 The following measures will be implemented during construction to minimize greenhouse gas emissions: If suitable park-and-ride facilities are available in the Proposed Project vicinity, construction workers will be encouraged to carpool to the job site. On-road and off-road vehicle tire pressures will be inflated to manufacturer specifications; tires will be checked and reinflated at regular intervals. Demolition debris will be recycled for reuse to the extent feasible. Line power, instead of diesel generators, will be used at all construction sites where feasible. Construction equipment will be maintained per the manufacturer's specifications.
CM GHG-1: Greenhouse Gas Emissions Reduction During Construction	PG&E	 The following actions will be taken, as feasible, to minimize greenhouse gas emissions. Encourage construction workers to carpool to the job site to the extent feasible. The ability to develop an effective carpool program for the Proposed Project will depend upon the proximity of carpool facilities to the area, the geographical commute departure points of construction workers, and the extent to which carpooling will not adversely affect worker arrival time and the project's construction vehicle idling time for on-road and offroad vehicles. The ability to limit construction vehicle idling time will depend on the sequence of construction activities and when and where vehicles are needed or staged. Certain vehicles, such as large diesel-powered vehicles, have extended warm-up times following start-up that limit their availability for use following start-up. Where such diesel-powered vehicles are required for repetitive construction tasks, these vehicles may require more idling time. The Proposed Project will apply a "common sense" approach to vehicle use, so that idling is reduced as far as possible below the maximum of 5 consecutive minutes allowed by California law; if a vehicle is not required for use immediately or continuously for construction activities, its engine will be shut off. Construction foremen will include briefings to crews on vehicle use





		 as part of pre-construction conferences. Those briefings will include discussion of a "common sense" approach to vehicle use. Maintain construction equipment in proper working conditions in accordance with PG&E standards. Minimize construction equipment exhaust by using low-emission or electric construction equipment, where feasible. Portable diesel fueled construction equipment with engines 50 hp or larger and manufactured in 2000 or later will be registered under the California Air Resources Board Statewide Portable Equipment Registration Program. Minimize welding and cutting by using compression of mechanical applications (utilizing mechanical pressure to create a secure connection between metal components) where practical and within standards. Encourage use of natural gas-powered vehicles for passenger cars and light-duty trucks where feasible and available.
Hazards and Hazardous		 Encourage recycling construction waste where feasible.
Materials APM HAZ-1: Air Transit Coordination	LSPGC	 LSPGC will implement the following protocols related to helicopter use during construction and air traffic: LSPGC will comply with all applicable Federal Aviation Administration regulations regarding air traffic within 2 miles of the Proposed Project alignment. LSPGC's helicopter operator will coordinate all Proposed Project helicopter operations with local airports before and during Proposed Project construction. Helicopter use and landing zones will be managed to minimize impacts on
CM HAZ-1: Hazardous- Substance Control and Emergency Response	PG&E	local residents. PG&E will implement standard hazardous substance control and emergency response procedures to ensure the safety of the public and site workers during construction. The procedures identify methods and techniques to minimize the exposure of the public and site workers to potentially hazardous materials during all phases of Proposed Project construction through operation. They address worker training appropriate to the site worker's role in hazardous substance control and emergency response. The procedures also require implementing appropriate control methods and approved containment and spill-control practices for construction and materials stored on-site. If it is necessary to store chemicals on-site, they will be managed in accordance with all applicable regulations. Material safety data sheets will be maintained and kept available on-site, as applicable. Proposed Project construction will involve soil surface blading/leveling, excavation of up to several feet, and auguring to a maximum depth of 35 feet in some areas. In the event that soils suspected of being contaminated (on the basis of visual, olfactory, or other evidence) are removed during site grading activities or excavation activities, the excavated soil will be tested, and if contaminated above hazardous waste levels, will be contained and disposed of

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		at a licensed waste facility. The presence of known or suspected contaminated soil will require testing and investigation procedures to be supervised by a qualified person, as appropriate, to meet state and federal regulations. All hazardous materials and hazardous wastes will be handled, stored, and
		disposed of in accordance with all applicable regulations, by personnel qualified to handle hazardous materials. The hazardous substance control and emergency response procedures include, but are not limited to, the following:
		 Proper disposal of potentially contaminated soils. Establishing site-specific buffers for construction vehicles and equipment located near sensitive resources.
		 Emergency response and reporting procedures to address hazardous material spills.
		Stopping work at that location and contacting the County Fire Department Hazardous Materials Unit immediately if visual contamination or chemical odors are detected. Work will be resumed at this location after any necessary consultation and approval by the Hazardous Materials Unit.
CM HAZ-2: Worker Environmental	PG&E	The training will include the following components related to hazards and hazardous materials:
Awareness		 PG&E Health, Safety, and Environmental expectations and management structure.
		 Applicable regulations.
		 Summary of the hazardous substances and materials that may be handled and/or to which workers may be exposed.
		 Summary of the primary workplace hazards to which workers may be exposed.
		 Overview of the controls identified in the Storm Water Pollution Prevention Plan.
CM HAZ-3: Air Transit Coordination	PG&E	PG&E will implement the following protocols related to helicopter use during construction and air traffic:
		 PG&E will comply with all applicable Federal Aviation Administration regulations regarding air traffic within 2 miles of the Proposed Project alignment.
		 PG&E's helicopter operator will coordinate all Proposed Project helicopter operations with local airports before and during Proposed Project construction.
		 Helicopter use and landing zones will be managed to minimize impacts on local residents.
Noise and Vibration		
Mitigation Measure N-1: Implement Measures to Reduce Exposure of Noise-Sensitive	LSPGC	Construction noise at Sensitive Receptor 1 (R1) (3,400 feet from the substation site) shall not exceed the County's nighttime noise threshold of 45 dBA between the hours of 9:00 p.m. and 7:00 a.m. To minimize noise levels during nighttime construction activities and maintain nighttime noise below the
Receptors to		hightaine construction activities and maintain hightaine hoise below the

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Construction-Generated Nighttime Noise		abovementioned County threshold, LSPGC could implement the following measures during nighttime construction work at the Manning Substation site:
		Maintain construction equipment and equip with noise-reduction intake and exhaust mufflers and engine shrouds, in accordance with manufacturer recommendations. Equipment engine shrouds shall be closed during equipment operation.
		 Shut down motorized construction equipment when not in use to prevent idling.
		 Locate construction equipment and staging areas as far as possible from nearby noise-sensitive land uses.
		 Equip construction equipment with back-up alarms with either audible self- adjusting backup alarms or alarms that sound only when an object is detected.
		Install noise control devices on construction equipment, which may include but are not limited to: high-efficiency mufflers; acoustic dampening; protected internal noise absorption layers; enclosures; alternatively powered equipment; and electric motors.
		LSPGC shall notify R1, the single-family residence on Manning Avenue near the proposed Manning Substation, of the expected nighttime work schedule at least 7 days in advance by mail, email, phone call, personal visit, or door hanger. The notice shall contain a contact and telephone number for receipt of any public complaints and questions. The contact shall be responsible for determining the cause of the complaint and implementing any possible measures to alleviate the problem. If unanticipated work, including in emergency situations, extends to the hours of 9:00 p.m. to 7:00 a.m., LSPGC will immediately notify the CPUC and notify R1 via mail, email, phone call or personal visit.
CM NOI-1: Employ Noise-Reducing	PG&E	PG&E will employ standard noise-reducing construction practices such as the following:
Construction Practices during Temporary		 Ensure that all equipment is equipped with mufflers that meet or exceed factory new-equipment standards.
Construction Activities		 Locate stationary equipment as far as practical from noise-sensitive receptors.
		► Limit unnecessary engine idling.
		Limit all construction activity near sensitive receptors to daytime hours unless required for safety or to comply with line clearance requirements. Minimize noise-related disruption by notifying residents. Should nighttime Proposed Project construction be necessary because of planned clearance restrictions, affected residents will be notified at least 7 days in advance by mail, personal visit, or door hanger, and informed of the expected work schedule.
Traffic and		
Transportation		





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CM TRA-1: Temporary Traffic Controls	PG&E	PG&E will obtain any necessary transportation and encroachment permits from the California Department of Transportation and the local jurisdictions, as required, including those related to state route crossings and the transport of oversized loads and certain materials, and will comply with permit requirements designed to prevent excessive congestion or traffic hazards during construction. PG&E will develop road and lane closure or width reduction or traffic diversion plans as required by the encroachment permits. Construction activities that are in or along or that cross local roadways will follow best management practices and local jurisdictional encroachment permit requirements—such as traffic controls in the form of signs, cones, and flaggers—to minimize impacts on traffic and transportation in the Proposed Project area.
CM TRA-2: Coordinate Road Closures with Emergency Service Providers	PG&E	At least 24 hours prior to implementing any road or lane closure, PG&E will coordinate with applicable emergency service providers in the Proposed Project vicinity. PG&E will provide emergency service providers with information regarding the road or lanes to be closed; the anticipated date, time, and duration of closures; and a contact telephone number.
Utilities and Service Systems		
APM UTIL-1: Conduct an Induction Study	LSPGC	 An induction study will be conducted to evaluate the potential effects of the Proposed Project on pipelines in its vicinity. The study will comply with all national and international standards in addition to the following standards: Pipeline Company Standards and Standard Operating Procedures; Federal Department of Transportation Part 192 Regulations; National Association of Corrosion Engineers (NACE) SP0177-2014 Standard Practice; NACE SP21424-2018 Standard Practice; and Institute of Electrical and Electronics Engineers Standard 80 Guide. The study will model the electrical interference effects on pipelines during different electrical conditions, such as maximum load and fault conditions. Additionally, the study will perform a coating stress voltage and alternating current (AC) density analysis on the pipelines. The induction study will recommend AC mitigation methods based on the findings. Recommendations of the study will be incorporated into the final engineering and design for the Proposed Project as needed to ensure compliance with applicable standards.
Wildfire		
APM FIRE-1: Construction Fire Prevention Plan	LSPGC	A Proposed Project-specific Construction Fire Prevention Plan (CFPP) will be prepared and submitted to the CPUC for review prior to initiation of construction. The CFPP will be fully implemented throughout the construction period and will include, at a minimum, the following:
		 The purpose and applicability of the plan;
		 Responsibilities and duties;
		 Preparedness training and drills;
		 Procedures for fire reporting, response, and prevention that include the following:

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		 Identification of daily site-specific risk conditions,
		• The tools and equipment needed on vehicles and to be on hand at sites,
		 Reiteration of fire prevention and safety considerations during tailboard meetings, and
		 Daily monitoring of the red flag warning system with appropriate restrictions on types and levels of permissible activity;
		 Coordination procedures with federal and local fire officials;
		 Crew training, including fire safety practices and restrictions; and
		 Method(s) for verifying that all Plan protocols and requirements are being followed.
		A Proposed Project Fire Marshal or similarly qualified position will be established to enforce all provisions of the CFPP, as well as perform other duties related to fire detection, prevention, and suppression for the Proposed Project. Construction activities will be monitored to ensure implementation and effectiveness of the CFPP.
CM FIRE-1: Fire Risk Management	PG&E	 PG&E will follow its standard fire risk management procedures, including: ▶ Safe work practices, training, and fire response.
		 Proposed Project personnel will be directed to park away from dry vegetation.
		 During fire season in designated State Responsibility Areas, all motorized equipment driving off paved or maintained gravel/dirt roads will have federally approved or State-approved spark arrestors.
		 All off-road vehicles will be equipped with a backpack pump (filled with water) and a shovel.
		 Fire-resistant mats and/or windscreens will be used when welding. In addition, during fire "red flag" conditions (as determined by the California Department of Forestry and Fire Protection), welding will be curtailed.
		 Every fuel truck will carry a large fire extinguisher with a minimum rating of 40 B:C, and all flammable materials will be removed from equipment parking and storage areas.
		 Coordinate procedures with federal and local fire officials.
		 Identification of daily site-specific risk conditions.



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