



**California Department of Fish and Wildlife  
Central Region  
1234 EAST SHAW AVENUE  
FRESNO, CALIFORNIA 93710**

California Endangered Species Act  
Incidental Take Permit No. 2081-2020-056-04

**DOLAN ROAD SUBSTATION FENCE REPLACEMENT**

**Authority:**

This California Endangered Species Act (CESA) incidental take permit (ITP) is issued by the California Department of Fish and Wildlife (CDFW) pursuant to Fish and Game Code section 2081, subdivisions (b) and (c), and California Code of Regulations, Title 14, section 783.0 et seq. CESA prohibits the take<sup>1</sup> of any species of wildlife designated by the California Fish and Game Commission as an endangered, threatened, or candidate species.<sup>2</sup> CDFW may authorize the take of any such species by permit if the conditions set forth in Fish and Game Code section 2081, subdivisions (b) and (c) are met. (See Cal. Code Regs., tit. 14, § 783.4).

<b>Permittee:</b>	<b>Pacific Gas and Electric Company</b>
<b>Principal Officer:</b>	<b>Don Triplett, Principal Land Consultant</b>
<b>Contact Person:</b>	<b>Cristina Holstine, (415) 244-2897</b>
<b>Mailing Address:</b>	<b>Environmental Planning and Permitting 1455 East Shaw Avenue Fresno, California 93710</b>

**Effective Date and Expiration Date of this ITP:**

This ITP shall be executed in duplicate original form and shall become effective once a duplicate original is acknowledged by signature of the Permittee on the last page of this ITP and returned to CDFW's Habitat Conservation Planning Branch at the address listed in the Notices section of this ITP. Unless renewed by CDFW, this ITP's authorization to take the Covered Species shall expire on **June 1, 2021**.

Notwithstanding the expiration date on the take authorization provided by this ITP, Permittee's obligations pursuant to this ITP do not end until CDFW accepts as complete the Permittee's Final Mitigation Report required by Condition of Approval 4.8 of this ITP.

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<sup>1</sup>Pursuant to Fish and Game Code section 86, "'take' means hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill." (See also *Environmental Protection Information Center v. California Department of Forestry and Fire Protection* (2008) 44 Cal.4th 459, 507 [for purposes of incidental take permitting under Fish and Game Code section 2081, subdivision (b), "'take' ... means to catch, capture or kill".])

<sup>2</sup>The definition of an endangered, threatened, and candidate species for purposes of CESA are found in Fish and Game Code sections 2062, 2067, and 2068, respectively.

**Project Location:**

The Dolan Road Substation Fence Replacement (Project) is located at 12000 Dolan Road (APN 133-171-005-000), near Moss Landing, within the County of Monterey (Figure 1). The Project is located approximately 0.86 mile east of Highway 1 at approximately 36°48'1.08" N, 121°46'8.84" W. The Project site is bounded by Dolan Road to the north, and agricultural lands used for cattle grazing to the west, south, and east of the Project site.

**Project Description:**

The Project includes emergency substation maintenance activities at Dolan Road Substation. The substation grounding is non-compliant and possess significant risk of electric shock to individuals who come in contact with conductive structures located within the substation boundaries including the substation fence. To address these safety concerns, the Permittee will install a non-conductive fence around the substation yard and install additional ground well within the substation to mitigate potential shock hazard. Project activities will permanently disturb 0.06 acre and temporarily disturb 0.013 acre. Project activities include fence installation, scraping, grading, excavating/trenching, pouring concrete, auguring, and other activities.

The Permittee will install a temporary fence approximately five feet from the existing substation fence to ensure substation security during project activities. Temporary fence installation includes driving fence stakes into the ground (no excavation/auguring) at intervals of approximately 10 feet in order to support chain-link fence topped with barbed wire. Once the temporary fence is completed, the existing chain-link security fence around the perimeter of the substation (approximately 750 feet) will be removed and the perimeter within the temporary security fence will be graded or scraped level in preparation for installation of a no-dig barrier. The erosion/no-dig barrier is an approximately 12-inch by 12-inch concrete slurry curb installed three inches below grade in line (immediately below/centerline) or inside the centerline of the new fence. The erosion/no-dig barrier will be installed using a small mini excavator with a 12-inch-wide bucket. The purpose of this structure is to prevent trespassers and animals from digging under the fence and accessing the interior substation yard. A 24-inch diameter augur will be used to drill holes for new fence posts at approximately 5 feet intervals. Fence posts will be installed to support the new fence. The new fence will be comprised of non-conductive and wire mesh materials. The new fence will be approximately 248 feet of 10-foot-tall non-conductive fence topped with 18-inch-tall six-stranded barbed wire and approximately 500 feet of 10-foot-tall wire mesh material topped with 18-inch-tall six stranded barbed wire. After the new fence is installed and grounded, scour pads will be installed along the portion of the exterior perimeter of the substation bordered by grazing land (approximately 550 feet). The scour pad is comprised of synthetic materials formed into mats and installed with an unexposed pin which is driven into the soil and attached to the mat by cable to anchor the mat in place. The scour pads will be positioned adjacent to the exterior side of the substation fence, extending out four feet from the new fence, to prevent erosion of

soil from livestock. After the scour pads are installed, the temporary fence will be removed and disturbance resulting from the temporary security fence installation will be restored to preexisting conditions.

The Project will take approximately six weeks to complete. Equipment used to complete the Project include hand tools, rubber-wheeled construction trucks, backhoes, skid steer loaders, graders, haulers cranes, concrete mixers, and vegetation removal equipment. Staging of materials and equipment will be within the substation property. Spoils will be hauled offsite for disposal. To the extent practicable, fence installation activity will be performed from the inside of the substation property.

### **Covered Species Subject to Take Authorization Provided by this ITP:**

This ITP covers the following species:

<b>Name</b>	<b>CESA Status</b>
1. California tiger salamander ( <i>Ambystoma californiense</i> )	Threatened <sup>3</sup>

This species and only this species is the “Covered Species” for the purposes of this ITP.

### **Impacts of the Taking on Covered Species:**

Project activities and their resulting impacts are expected to result in the incidental take of individuals of the Covered Species. The activities described above expected to result in incidental take of individuals of the Covered Species include grading, scraping, excavating/trenching, auguring, pouring concrete, and fence installation (Covered Activities).

Incidental take of individuals of the Covered Species in the form of mortality (“kill”) may occur as a result of Covered Activities such as burrow collapse resulting in crushing or suffocation of underground individuals associated with site preparation, grading, and excavation/trenching; entrapment and burial within trenches; crushing by equipment or laydown in the Project Area; or vehicle/equipment strikes in connection with Project-related traffic during Covered Activities. Incidental take of individuals of the Covered Species may also occur from the Covered Activities in the form of pursue, catch, capture, or attempt to do so of the Covered Species resulting from uncovering through the excavation of burrow systems, corralling into a confined area when barrier fencing is erected around the Project Area, and when individuals are salvaged and relocated out of harm’s way as required by this ITP. The areas where authorized take of the Covered Species is expected to occur include: the Dolan Road Substation and the area within and adjacent to the temporary and permanent fences (collectively, the Project Area).

<sup>3</sup>See Cal. Code Regs. tit. 14 § 670.5, subd. (b)(3)(G).

The Project is expected to cause the permanent loss of 0.06 acre of habitat for the Covered Species, and temporary loss of 0.013 acre of habitat for the Covered Species. Impacts of the authorized taking also include adverse impacts to the Covered Species related to temporal losses, increased habitat fragmentation and edge effects, and the Project's incremental contribution to cumulative impacts (indirect impacts). These impacts include: stress resulting from noise and vibrations from soil disturbance; equipment operation and traffic; individual health effects due to increased stress and exposure from capture and relocation; increased vulnerability to predation, exposure, or stress through disorientation; and loss of denning and burrowing habitat used for shelter and escape cover. Individuals displaced due to habitat loss and degradation may be unable to survive in adjacent areas if these areas are at carrying capacity or are unsuitable for colonization.

**Incidental Take Authorization of Covered Species:**

This ITP authorizes incidental take of the Covered Species and only the Covered Species. With respect to incidental take of the Covered Species, CDFW authorizes the Permittee, its employees, contractors, and agents to take Covered Species incidentally in carrying out the Covered Activities, subject to the limitations described in this section and the Conditions of Approval identified below. This ITP does not authorize take of Covered Species from activities outside the scope of the Covered Activities, take of Covered Species outside of the Project Area, take of Covered Species resulting from violation of this ITP, or intentional take of Covered Species except for capture and relocation of Covered Species as authorized by this ITP.

**Conditions of Approval:**

Unless specified otherwise, the following measures apply to all Covered Activities within the Project Area, including areas used for vehicular ingress and egress, staging and parking, and noise and vibration generating activities that may cause take. CDFW's issuance of this ITP and Permittee's authorization to take the Covered Species are subject to Permittee's compliance with and implementation of the following Conditions of Approval:

1. **Legal Compliance:** Permittee shall comply with all applicable federal, state, and local laws in existence on the effective date of this ITP or adopted thereafter.
2. **ITP Time Frame Compliance:** Permittee shall fully implement and adhere to the conditions of this ITP within the time frames set forth below and as set forth in the Mitigation Monitoring and Reporting Program (MMRP), which is included as Attachment 1 to this ITP.
3. **General Provisions:**
  - 3.1. Designated Representative. Before starting Covered Activities, Permittee shall designate a representative (Designated Representative) responsible for

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communications with CDFW and overseeing compliance with this ITP. Permittee shall notify CDFW in writing before starting Covered Activities of the Designated Representative's name, business address, and contact information, and shall notify CDFW in writing if a substitute Designated Representative is selected or identified at any time during the term of this ITP.

- 3.2.** Designated Biologist. Permittee shall submit to CDFW in writing the name, qualifications, business address, and contact information of a biological monitor (Designated Biologist) before starting Covered Activities. Permittee shall ensure that the Designated Biologist is knowledgeable and experienced in the biology, natural history, collecting and handling of the Covered Species. The Designated Biologist shall be responsible for monitoring Covered Activities to help minimize and fully mitigate or avoid the incidental take of individual Covered Species and to minimize disturbance of Covered Species' habitat. Permittee shall obtain CDFW approval of the Designated Biologist in writing before starting Covered Activities and shall also obtain approval in advance in writing if the Designated Biologist must be changed. Permittee has the option of utilizing a Designated Monitor to assist the Designated Biologist in compliance monitoring under direction of the Designated Biologist. If Permittee chooses to utilize a Designated Monitor, Permittee shall submit in writing to CDFW for approval the name, qualifications, business address, and contact information of the proposed Designated Monitor. Designated Monitors and their activities shall be approved in advance and in writing by CDFW. No agreement/contract between the Permittee, its contractors, and/or the Designated Biologist(s)/Monitor(s) shall prohibit open communication with CDFW.
- 3.3.** Designated Biologist/Designated Monitor Authority. To ensure compliance with the Conditions of Approval of this ITP, the Designated Biologist(s) and Designated Monitor(s) shall have authority to immediately stop any activity that does not comply with this ITP, and/or to order any reasonable measure to avoid the unauthorized take of an individual of the Covered Species.
- 3.4.** Education Program. Permittee shall conduct an education program for all persons employed or otherwise working in the Project Area before performing any work. The program shall consist of a presentation from the Designated Biologist that includes a discussion of the biology and general behavior of the Covered Species, information about the distribution and habitat needs of the Covered Species, sensitivity of the Covered Species to human activities, its status pursuant to CESA including legal protection, recovery efforts, penalties for violations and Project-specific protective measures described in this ITP. Permittee shall provide interpretation for non-English speaking workers, and the same instruction shall be provided to any new workers before they are authorized to perform work in the

Project Area. Permittee shall prepare and distribute wallet-sized cards or a fact sheet handout containing this information for workers to carry in the Project Area. Upon completion of the program, employees shall sign a form stating they attended the program and understand all protection measures.

- 3.5.** Construction Monitoring Notebook. The Designated Biologist shall maintain a construction-monitoring notebook on-site throughout the construction period, which shall include a copy of this ITP with attachments and a list of signatures of all personnel who have successfully completed the education program. Permittee shall ensure a copy of the construction-monitoring notebook is available for review at the Project site upon request by CDFW.
- 3.6.** Trash Abatement. Permittee shall initiate a trash abatement program before starting Covered Activities and shall continue the program for the duration of the Project. Permittee shall ensure that trash and food items are contained in animal-proof containers and removed at least once a week to avoid attracting opportunistic predators such as ravens, coyotes, and feral dogs.
- 3.7.** Dust Control. Permittee shall implement dust control measures during Covered Activities to facilitate visibility for monitoring of the Covered Species by the Designated Biologist. Permittee shall keep the amount of water used to the minimum amount needed and shall not allow water to form puddles.
- 3.8.** Erosion Control Materials. Permittee shall prohibit use of erosion control materials potentially harmful to Covered Species and other species, such as monofilament netting (erosion control matting) or similar material, in potential Covered Species' habitat.
- 3.9.** Delineation of Property Boundaries. Before starting Covered Activities, Permittee shall clearly delineate the boundaries of the Project Area with fencing, stakes, or flags. Permittee shall restrict all Covered Activities to within the fenced, staked, or flagged areas. Permittee shall maintain all fencing, stakes, and flags until the completion of Covered Activities.
- 3.10.** Delineation of Habitat. Permittee shall clearly delineate habitat of the Covered Species within the Project Area with posted signs, posting stakes, flags, and/or rope or cord, and place fencing as necessary to minimize the disturbance of Covered Species' habitat.
- 3.11.** Project Access. Project-related personnel shall access the Project Area using existing routes and shall not cross Covered Species' habitat outside of or en route to the Project Area. Permittee shall restrict Project-related vehicle traffic to

established roads, staging, and parking areas. Permittee shall ensure that vehicle speeds do not exceed 15 miles per hour to avoid Covered Species on or traversing the roads. If Permittee determines construction of routes for travel are necessary outside of the Project Area, the Designated Representative shall contact CDFW for written approval before carrying out such an activity. CDFW may require an amendment to this ITP, among other reasons, if additional take of Covered Species will occur as a result of the Project modification.

- 3.12. Staging Areas.** Permittee shall confine all Project-related parking, storage areas, laydown sites, equipment storage, and any other surface-disturbing activities to the Project Area using, to the extent possible, previously disturbed areas. Additionally, Permittee shall not use or cross Covered Species' habitat outside of the marked Project Area unless provided for as described in Condition of Approval 3.11 of this ITP.
- 3.13. Hazardous Waste.** Permittee shall immediately stop and, pursuant to pertinent state and federal statutes and regulations, arrange for repair and clean up by qualified individuals of any fuel or hazardous waste leaks or spills at the time of occurrence, or as soon as it is safe to do so. Permittee shall exclude the storage and handling of hazardous materials from the Project Area and shall properly contain and dispose of any unused or leftover hazardous products off-site.
- 3.14. CDFW Access.** Permittee shall provide CDFW staff with reasonable access to the Project and shall otherwise fully cooperate with CDFW efforts to verify compliance with or effectiveness of mitigation measures set forth in this ITP.
- 3.15. Refuse Removal.** Upon completion of Covered Activities, Permittee shall remove from the Project Area and properly dispose of all temporary fill and construction refuse, including, but not limited to, broken equipment parts, wrapping material, cords, cables, wire, rope, strapping, twine, buckets, metal or plastic containers, and boxes.

#### **4. Monitoring, Notification and Reporting Provisions:**

- 4.1. Notification Before Commencement.** The Designated Representative shall notify CDFW before starting Covered Activities and shall document compliance with all pre-Project Conditions of Approval before starting Covered Activities.
- 4.2. Covered Species Mortality Reduction and Relocation Plan.** Prior to conducting any Covered Activities, the Designated Biologist(s) shall prepare, and submit to CDFW for written approval, a *Covered Species Mortality Reduction and Relocation Plan*. The *Covered Species Mortality Reduction and Relocation Plan* shall include, but

not be limited to: capture, handling, and relocation methods; identification of where the salvaged individuals will be relocated to; exclusion fence design; and identification of a wildlife rehabilitation center or veterinary facility where injured individuals of the Covered Species will be taken. The *Covered Species Mortality Reduction and Relocation Plan* must indicate that only the approved Designated Biologist(s) is/are authorized to capture and handle individuals of the Covered Species unless a Designated Monitor is specifically approved by CDFW in advance and in writing to handle the Covered Species under the direct supervision of the Designated Biologist.

- 4.3. Notification of Non-compliance.** The Designated Representative shall immediately notify CDFW in writing if it determines that the Permittee is not in compliance with any Condition of Approval of this ITP, including but not limited to any actual or anticipated failure to implement measures within the time periods indicated in this ITP and/or the MMRP. The Designated Representative shall report any non-compliance with this ITP to CDFW within 24 hours.
- 4.4. Compliance Monitoring.** The Designated Biologist shall be on-site daily when Covered Activities occur. The Designated Biologist shall conduct compliance inspections to (1) minimize incidental take of the Covered Species; (2) prevent unlawful take of species; (3) check for compliance with all measures of this ITP; (4) check all exclusion zones; and (5) ensure that signs, stakes, and fencing are intact, and that Covered Activities are only occurring in the Project Area. The Designated Representative or Designated Biologist shall prepare daily written observation and inspection records summarizing: oversight activities and compliance inspections, observations of Covered Species and their sign, survey results, and monitoring activities required by this ITP.
- 4.5. Weekly Compliance Report.** The Designated Representative or Designated Biologist shall compile the observation and inspection records identified in Condition of Approval 4.4 into a Weekly Compliance Report and submit it to CDFW along with a copy of the MMRP table with notes showing the current implementation status of each mitigation measure. Weekly Compliance Reports shall be submitted to the CDFW offices listed in the Notices section of this ITP and via e-mail to CDFW's Regional Office, and Headquarters CESA Program. At the time of this ITP's approval, the CDFW Regional Office email is R4CESA@wildlife.ca.gov and Headquarters CESA Program email is CESA@wildlife.ca.gov. CDFW may at any time increase the timing and number of compliance inspections and reports required under this provision depending upon the results of previous compliance inspections. If CDFW determines the reporting



schedule must be changed, CDFW will notify Permittee in writing of the new reporting schedule.

- 4.6. CNDDDB Observations.** The Designated Biologist shall submit all observations of Covered Species to CDFW's California Natural Diversity Database (CNDDDB) within 60 calendar days of the observation and the Designated Biologist shall include copies of the submitted forms with the next Weekly Compliance Report.
- 4.7. Record of Covered Species Relocation Efforts.** The Designated Biologist shall maintain a record of all Covered Species handled, and all documented observations of Covered Species. This information shall include for each animal: (1) the locations (Global Positioning System (GPS) coordinates and maps) and time of capture and/or observation as well as release; (2) sex; (3) approximate age (adult/juvenile); (4) weight; (5) general condition and health, noting all visible conditions including gait and behavior, emaciation, and injuries; and (6) ambient temperature when handled and released. The Designated Biologist shall satisfy all reporting requirements outlined in Condition of Approval 4.9 below and shall also prepare a Relocation Summary and include it in the Weekly Compliance Report described in Condition of Approval 4.5 above. The Relocation Summary in the Final Mitigation Report, described in Condition of Approval 4.8 below, shall include cumulative results, analysis of data collected, and conclusions.
- 4.8. Final Mitigation Report.** No later than 45 days after completion of all mitigation measures, Permittee shall provide CDFW with a Final Mitigation Report. The Designated Biologist shall prepare the Final Mitigation Report which shall include, at a minimum: (1) a summary of all Weekly Compliance Reports (2) a copy of the table in the MMRP with notes showing when each of the mitigation measures was implemented; (3) all available information about Project-related incidental take of the Covered Species; (4) information about other Project impacts on the Covered Species; (5) beginning and ending dates of Covered Activities; (6) an assessment of the effectiveness of this ITP's Conditions of Approval in minimizing and fully mitigating Project impacts of the taking on Covered Species; (7) recommendations on how mitigation measures might be changed to more effectively minimize take and mitigate the impacts of future projects on the Covered Species; and (8) any other pertinent information.
- 4.9. Notification of Take or Injury.** Permittee shall immediately notify the Designated Biologist if a Covered Species is taken or injured by a Project-related activity, or if a Covered Species is otherwise found dead or injured within the vicinity of the Project. The Designated Biologist or Designated Representative shall provide initial notification to CDFW by calling the Regional Office at (559) 243-4005. The initial

notification to CDFW shall include information regarding the location, species, and number of animals taken or injured and the ITP Number. Following initial notification, Permittee shall send CDFW a written report within two calendar days. The report shall include the date and time of the finding or incident, location of the animal or carcass, and if possible provide a photograph, explanation as to cause of take or injury, and any other pertinent information.

- 5. Take Minimization Measures:** The following requirements are intended to ensure the minimization of incidental take of Covered Species in the Project Area during Covered Activities. Permittee shall implement and adhere to the following conditions to minimize take of Covered Species:
- 5.1. Designated Biologist On-Site.** The Designated Biologist shall be on site for the duration of Covered Activities each workday.
  - 5.2. Covered Species Exclusion Fencing.** Permittee shall install exclusion fencing (exclusion fence) around the perimeter of the Project Area to exclude the Covered Species from Covered Activities. The Covered Species exclusion fencing shall be installed in accordance with a *Covered Species Mortality Reduction and Relocation Plan* (Condition of Approval 4.2) reviewed and approved in writing by CDFW before exclusion fencing installation. Temporary exclusion fencing shall be removed immediately upon completion of Covered Activities in the fenced Project Area.
  - 5.3. Covered Species Relocation.** The Designated Biologist shall survey all portions of the construction footprint with upland habitat features for the presence of all life stages of the Covered Species immediately after initial ground disturbance (e.g., first ripping/discing/grading event). All small mammal burrows or burrow complexes incidentally dug up or otherwise disturbed during the grading or excavation activities shall be visually inspected for the Covered Species by the Designated Biologist. The Designated Biologist shall relocate any live Covered Species discovered during these surveys in accordance with the approved *Covered Species Mortality Reduction and Relocation Plan* (Condition of Approval 4.2).
  - 5.4. Covered Species Observations.** During all Covered Activities, all workers shall inform the Designated Biologist(s) if an individual of the Covered Species is observed at the Project Area. All work in the vicinity of the observed Covered Species, which could injure or kill the animal, shall cease immediately until the Designated Biologist(s) can relocate the Covered Species following the CDFW approved *Covered Species Mortality Reduction and Relocation Plan* specified in Condition of Approval 4.2.

- 5.5. Covering, Ramping, and Inspecting Excavations.** To prevent inadvertent entrapment of Covered Species or any other animals during the construction phase of the Project, Permittee shall ensure that all excavated, steep-walled holes or trenches are covered and inspected as described below. Permittee shall ensure that all trenches, holes, and other excavations with sidewalls steeper than a 1:1 (45 degree) slope are covered when workers and/or equipment are not actively working in them and at the end of each work day. Covers shall be made of plywood or similar solid material. Permittee shall ensure that the edges of the covers are covered with dirt to prevent Covered Species from crawling under them. If a situation is encountered that this measure does not anticipate and alternative methods of preventing entrapment or injury in excavations are warranted, then Permittee shall request and obtain CDFW's written concurrence prior to implementing the alternative. If any worker discovers that Covered Species have become trapped, Permittee shall cease all Covered Activities in the vicinity and notify the Designated Biologist(s) immediately. Project workers and the Designated Biologist(s) shall allow Covered Species to escape unimpeded if possible before Covered Activities are allowed to continue, or the Designated Biologist(s) shall capture and relocate the Covered Species as per the *Covered Species Mortality Reduction and Relocation Plan* required in Condition of Approval 4.2.
- 5.6. Covered Species Refuge Areas/Cover Boards.** The Permittee shall provide refuge opportunities in the form of cover boards (2-foot x 2.6-foot plywood), along the Covered Species exclusion fence on both sides of the fence. Permittee shall submit a design (e.g., number of cover boards, location, etc.) of the refuge opportunities prior to the initiation of Covered Activities to CDFW for written approval (e-mail will suffice). The Designated Biologist shall inspect refuge areas each morning as well as during and after rain events. Covered Species within the interior fence should be given the ability to leave on their own accord before active relocation is attempted in accordance with the *Covered Species Mortality Reduction and Relocation Plan* (Condition of Approval 4.2)
- 5.7. Equipment Inspection.** Workers shall inspect for Covered Species under vehicles and equipment before the vehicles and equipment are moved. If a Covered Species is present, the worker shall notify the Designated Biologist and wait for the Covered Species to move unimpeded to a safe location. Alternatively, especially if the animal is inside a fenced Project Area, the Designated Biologist(s) shall move the Covered Species out of harm's way outside of the Project Area and in compliance with the approved *Covered Species Mortality Reduction and Relocation Plan* required in Condition of Approval 4.2.

- 5.8. Materials Inspection.** Workers shall thoroughly inspect all construction pipe, culverts, or other similar structures with a diameter of one inch or greater that are stored for one or more overnight periods for the Covered Species before the object is subsequently moved, buried, or capped. If during inspection, an individual of the Covered Species is discovered inside a pipe, culvert, or similar structure, the Designated Biologist shall move the Covered Species out of harm's way outside of the Project Area and in compliance with the approved *Covered Species Mortality Reduction and Relocation Plan* required in Condition of Approval 4.2.
- 5.9. Covered Species Injury.** If a Covered Species is injured as a result of Project-related activities, the Designated Biologist shall immediately take it to a CDFW approved wildlife rehabilitation or veterinary facility. Permittee shall identify the facility before starting Covered Activities. Permittee shall bear any costs associated with the care or treatment of such injured Covered Species. The Permittee shall notify CDFW of the injury to the Covered Species immediately by telephone and e-mail followed by a written incident report as described in Condition of Approval 4.9. Notification shall include the name of the facility where the animal was taken.

**6. Habitat Management Land Acquisition and Restoration:** CDFW has determined that permanent protection and perpetual management of compensatory habitat is necessary and required pursuant to CESA to fully mitigate Project-related impacts of the taking on the Covered Species that will result with implementation of the Covered Activities. This determination is based on factors including an assessment of the importance of the habitat in the Project Area, the extent to which the Covered Activities will impact the habitat, and CDFW's estimate of the acreage required to provide for adequate compensation.

To meet this requirement, the Permittee shall purchase 0.2 acre of Covered Species credits from a CDFW-approved mitigation or conservation bank (Condition of Approval 6.1) The Permittee shall also restore on-site 0.019 acres of temporarily impacted Covered Species habitat pursuant to Condition of Approval 6.2 below.

- 6.1. Covered Species Credits.** Permittee shall purchase 0.2 acre of Covered Species credits from a CDFW-approved mitigation or conservation bank, representing a portion of the 75 upland habitat credits reserved by the permittee on March 28, 2018 at the CDFW-approved Sparling Ranch Conservation Bank. The Permittee shall provide proof of credit purchase and proof of subtraction of the 0.2 acre of upland habitat credits from the 75 credits reserved in 2018 to CDFW within 30 days of the effective date of this ITP. The CDFW-approved Sparling Ranch Conservation Bank has a service area that encompasses the Project Area

and is known to provide high quality breeding and upland habitat for the Covered Species, has been conserved in perpetuity through a conservation easement, and has funds for long-term management of the conserved lands. Endowment costs are included in the sale price of conservation credits.

- 6.2. Habitat Restoration.** Permittee shall restore on-site the 0.2 acre of Covered Species habitat that will be temporarily disturbed during construction to pre-project or better conditions. Within 30 days of issuance of this ITP, the Permittee shall prepare a Vegetation Restoration Plan to facilitate revegetation of the 0.2 acre of temporary construction disturbance on-site and shall ensure that the Plan is successfully implemented by the contractor. The Plan shall include detailed specifications for restoring all temporarily disturbed areas, such as seed mixes and application methods. The plan shall also indicate the best time of year for seeding to occur.

**Amendment:**

This ITP may be amended as provided by California Code of Regulations, Title 14, section 783.6, subdivision (c), and other applicable law. This ITP may be amended without the concurrence of the Permittee as required by law, including if CDFW determines that continued implementation of the Project as authorized under this ITP would jeopardize the continued existence of the Covered Species or where Project changes or changed biological conditions necessitate an ITP amendment to ensure that all Project-related impacts of the taking to the Covered Species are minimized and fully mitigated.

**Stop-Work Order:**

CDFW may issue Permittee a written stop-work order requiring Permittee to suspend any Covered Activity for an initial period of up to 25 days to prevent or remedy a violation of this ITP, including but not limited to the failure to comply with reporting or monitoring obligations, or to prevent the unauthorized take of any CESA endangered, threatened, or candidate species. Permittee shall stop work immediately as directed by CDFW upon receipt of any such stop-work order. Upon written notice to Permittee, CDFW may extend any stop-work order issued to Permittee for a period not to exceed 25 additional days. Suspension and revocation of this ITP shall be governed by California Code of Regulations, Title 14, section 783.7, and any other applicable law. Neither the Designated Biologist nor CDFW shall be liable for any costs incurred in complying with stop-work orders.

**Compliance with Other Laws:**

This ITP sets forth CDFW's requirements for the Permittee to implement the Project pursuant to CESA. This ITP does not necessarily create an entitlement to proceed with the Project. Permittee is responsible for complying with all other applicable federal, state, and local law.

**Notices:**

The Permittee shall deliver a fully executed duplicate original ITP by registered first class mail or overnight delivery to the following address:

Habitat Conservation Planning Branch  
California Department of Fish and Wildlife  
Attention: CESA Permitting Program  
Post Office Box 944209  
Sacramento, California 94244-2090

Alternatively, the Permittee shall email the digitally signed ITP to [CESA@wildlife.ca.gov](mailto:CESA@wildlife.ca.gov). Digital signatures shall comply with Government Code section 16.5.

Written notices, reports and other communications relating to this ITP shall be delivered to CDFW by email or registered first class mail at the following address, or at addresses CDFW may subsequently provide the Permittee. Notices, reports, and other communications shall reference the Project name, Permittee, and ITP Number (2081-2020-056-04) in a cover letter and on any other associated documents.

Original cover with attachment(s) to:

Julie A. Vance, Regional Manager  
California Department of Fish and Wildlife  
1234 East Shaw Avenue  
Fresno, California 93710  
Telephone (559) 243-4014  
[R4CESA@wildlife.ca.gov](mailto:R4CESA@wildlife.ca.gov)

and a copy to:

Habitat Conservation Planning Branch  
California Department of Fish and Wildlife  
Attention: CESA Permitting Program  
Post Office Box 944209  
Sacramento, California 94244-2090  
[CESA@wildlife.ca.gov](mailto:CESA@wildlife.ca.gov)

Incidental Take Permit  
No. 2081-2020-056-04  
**PACIFIC GAS AND ELECTRIC COMPANY**  
**DOLAN ROAD SUBSTATION FENCE REPLACEMENT**

Unless Permittee is notified otherwise, CDFW's Regional Representative for purposes of addressing issues that arise during implementation of this ITP is:

Craig Bailey  
California Department of Fish and Wildlife  
1234 East Shaw Avenue  
Fresno, California 93710  
Telephone (559) 243-4014, extension 227  
Craig.Bailey@wildlife.ca.gov

**Compliance with CEQA:**

As the "public agency which has the principal responsibility of...approving [the Project]," (Pub. Resources Code, § 21067), CDFW is the lead agency for the Project for purposes of complying with the California Environmental Quality Act (CEQA, Pub. Resources Code, § 21000 *et seq.*). CDFW has determined that this Project is statutorily exempt from CEQA because it is "emergency repairs to public service facilities necessary to maintain service". (Pub. Resources Code, § 21080, subd. (b)(2)). CDFW has filed a Notice of Exemption for the Project.

**Findings Pursuant to CESA:**

These findings are intended to document CDFW's compliance with the specific findings requirements set forth in CESA and related regulations. (Fish & G. Code § 2081, subs. (b)-(c); Cal. Code Regs., tit. 14, §§ 783.4, subds, (a)-(b), 783.5, subd. (c)(2).)

CDFW finds based on substantial evidence in the ITP application and the administrative record of proceedings, that issuance of this ITP complies and is consistent with the criteria governing the issuance of ITPs pursuant to CESA:

- (1) Take of Covered Species as defined in this ITP will be incidental to the otherwise lawful activities covered under this ITP;
- (2) Impacts of the taking on Covered Species will be minimized and fully mitigated through the implementation of measures required by this ITP and as described in the MMRP. Measures include: (1) permanent habitat protection; (2) establishment of avoidance zones; (3) worker education; and (4) Weekly Compliance Reports. CDFW evaluated factors including an assessment of the importance of the habitat in the Project Area, the extent to which the Covered Activities will impact the habitat, and CDFW's estimate of the acreage required to provide for adequate compensation. Based on this evaluation, CDFW determined that the protection and management in perpetuity of 0.2 acre of compensatory habitat that is contiguous with other protected Covered Species

habitat and/or is of higher quality than the habitat being destroyed by the Project, along with the minimization, monitoring, reporting, and funding requirements of this ITP minimizes and fully mitigates the impacts of the taking caused by the Project;

- (3) The take avoidance and mitigation measures required pursuant to the conditions of this ITP and its attachments are roughly proportional in extent to the impacts of the taking authorized by this ITP;
- (4) The measures required by this ITP maintain Permittee's objectives to the greatest extent possible;
- (5) All required measures are capable of successful implementation;
- (6) This ITP is consistent with any regulations adopted pursuant to Fish and Game Code sections 2112 and 2114;
- (7) Permittee has ensured adequate funding to implement the measures required by this ITP as well as for monitoring compliance with, and the effectiveness of, those measures for the Project; and
- (8) Issuance of this ITP will not jeopardize the continued existence of the Covered Species based on the best scientific and other information reasonably available, and this finding includes consideration of the species' capability to survive and reproduce, and any adverse impacts of the taking on those abilities in light of (1) known population trends; (2) known threats to the species; and (3) reasonably foreseeable impacts on the species from other related projects and activities. Moreover, CDFW's finding is based, in part, on CDFW's express authority to amend the terms and conditions of this ITP without concurrence of the Permittee as necessary to avoid jeopardy and as required by law.

**Attachments:**

FIGURE 1  
ATTACHMENT 1

Location of PG&E's Dolan Substation  
Mitigation Monitoring and Reporting Program



**ISSUED BY THE CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE**

**On 12/24/2020**

DocuSigned by:  
*Annee Ferranti*  
041A77B10D78486...

for Julie A. Vance, Regional Manager  
CENTRAL REGION

**ACKNOWLEDGMENT**

The undersigned: (1) warrants that he or she is acting as a duly authorized representative of the Permittee, (2) acknowledges receipt of this ITP, and (3) agrees on behalf of the Permittee to comply with all terms and conditions

By: *Don Triplett* DocuSigned by:  
BF6BE6DD6C0F4AF... Date: 12/24/2020

Printed Name: Don Triplett Title: Principal Land Consultant

Incidental Take Permit  
No. 2081-2020-056-04  
**PACIFIC GAS AND ELECTRIC COMPANY**  
**DOLAN ROAD SUBSTATION FENCE REPLACEMENT**

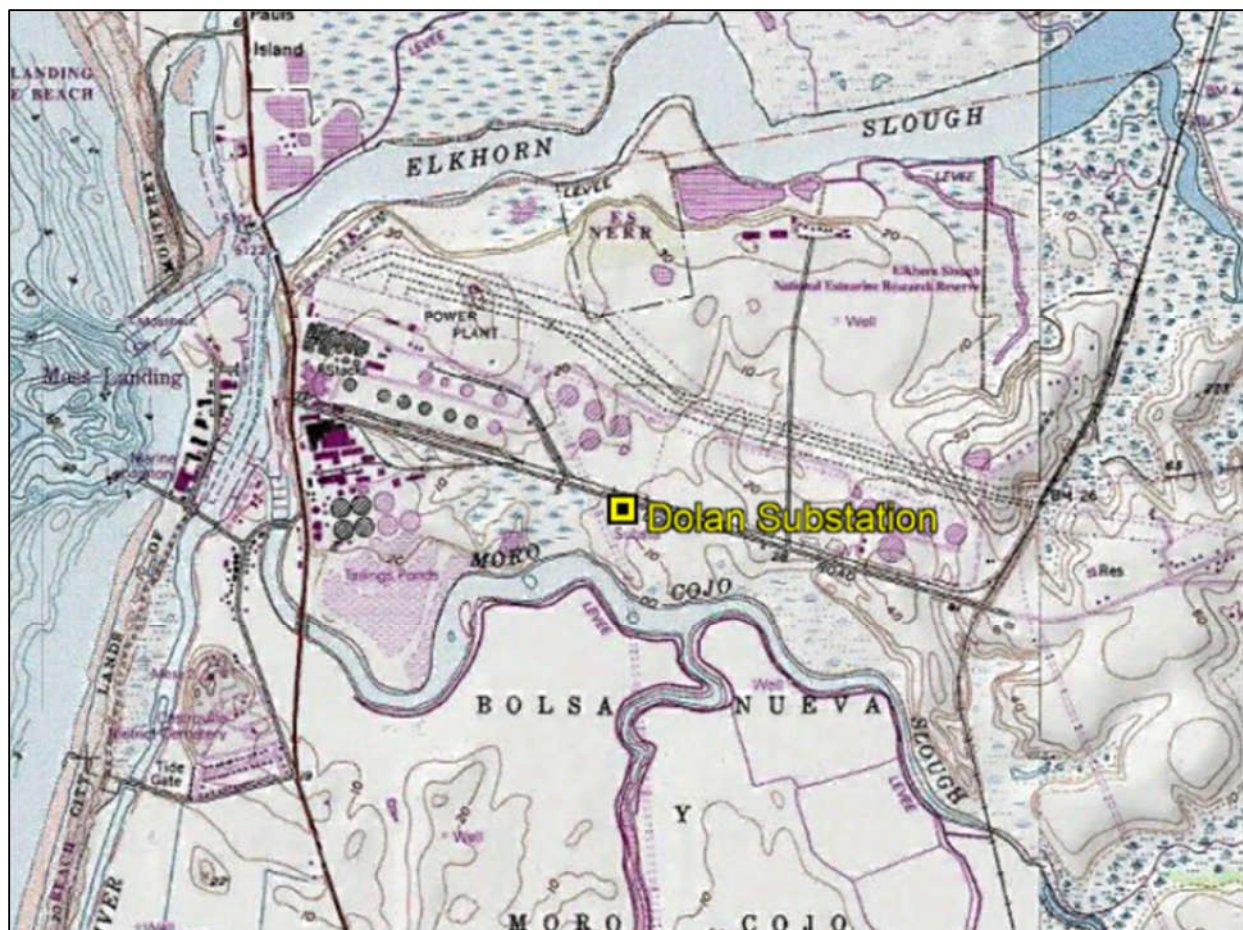


Figure 1. Location of PG&E's Dolan Substation, east of Moss Landing, CA.

**Attachment 1**

**CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE  
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)  
CALIFORNIA ENDANGERED SPECIES ACT**

**INCIDENTAL TAKE PERMIT NO. 2081-2020-056-04**

**PERMITTEE: Pacific Gas and Electric Company**

**PROJECT: Dolan Road Substation Fence Replacement**

**PURPOSE OF THE MMRP**

The purpose of the MMRP is to ensure that the impact minimization and mitigation measures required by the Department of Fish and Wildlife (CDFW) for the above-referenced Project are properly implemented, and thereby to ensure compliance with section 2081(b) of the Fish and Game Code and section 21081.6 of the Public Resources Code. A table summarizing the mitigation measures required by CDFW is attached. This table is a tool for use in monitoring and reporting on implementation of mitigation measures, but the descriptions in the table do not supersede the mitigation measures set forth in the California Incidental Take Permit (ITP) and in attachments to the ITP, and the omission of a permit requirement from the attached table does not relieve the Permittee of the obligation to ensure the requirement is performed.

**OBLIGATIONS OF PERMITTEE**

Mitigation measures must be implemented within the time periods indicated in the table that appears below. Permittee has the primary responsibility for monitoring compliance with all mitigation measures and for reporting to CDFW on the progress in implementing those measures. These monitoring and reporting requirements are set forth in the ITP itself and are summarized at the front of the attached table.

**VERIFICATION OF COMPLIANCE, EFFECTIVENESS**

CDFW may, at its sole discretion, verify compliance with any mitigation measure or independently assess the effectiveness of any mitigation measure.

## **TABLE OF MITIGATION MEASURES**

The following items are identified for each mitigation measure: Mitigation Measure, Source, Implementation Schedule, Responsible Party, and Status/Date/Initials. The Mitigation Measure column summarizes the mitigation requirements of the ITP. The Source column identifies the ITP condition that sets forth the mitigation measure. The Implementation Schedule column shows the date or phase when each mitigation measure will be implemented. The Responsible Party column identifies the person or agency that is primarily responsible for implementing the mitigation measure. The Status/Date/Initials column shall be completed by the Permittee during preparation of each Status Report and the Final Mitigation Report, and must identify the implementation status of each mitigation measure, the date that status was determined, and the initials of the person determining the status.

	Mitigation Measure	Source	Implementation Schedule	Responsible Party	Status / Date / Initials
<b>BEFORE DISTURBING SOIL OR VEGETATION</b>					
1	Before starting Covered Activities, Permittee shall designate a representative (Designated Representative) responsible for communications with CDFW and overseeing compliance with the ITP. Permittee shall notify CDFW in writing before starting Covered Activities of the Designated Representative's name, business address, and contact information, and shall notify CDFW in writing if a substitute Designated Representative is selected or identified at any time during the term of the ITP.	ITP Condition # 3.1	Before commencing ground- or vegetation-disturbing activities/ Entire Project	Permittee	
2	Permittee shall submit to CDFW in writing the name, qualifications, business address, and contact information of a biological monitor (Designated Biologist) before starting Covered Activities. Permittee shall ensure that the Designated Biologist is knowledgeable and experienced in the biology and natural history of the Covered Species. The Designated Biologist shall be responsible for monitoring Covered Activities to help minimize and fully mitigate or avoid the incidental take of individual Covered Species and to minimize disturbance of Covered Species' habitat. Permittee shall obtain CDFW approval of the Designated Biologist in writing before starting Covered Activities and shall also obtain approval in advance in writing if the Designated Biologist must be changed. Permittee has the option of utilizing a Designated Monitor to assist the Designated Biologist in compliance monitoring under direction of the Designated Biologist. If Permittee chooses to utilize a Designated Monitor, Permittee shall submit in writing to CDFW for approval the name, qualifications, business address, and contact information of the proposed Designated Monitor. Designated Monitors and their activities shall be approved in advance and in writing by CDFW. No agreement/contract between the Permittee, its contractors, and/or the Designated Biologist(s)/Monitor(s) shall prohibit open communication with CDFW.	ITP Condition # 3.2	Before commencing ground- or vegetation-disturbing activities	Permittee	
3	Permittee shall conduct an education program for all persons employed or otherwise working in the Project Area before performing any work. The program shall consist of a presentation from the Designated Biologist that includes a discussion of the biology and general behavior of the Covered Species, information about the distribution and habitat needs of the Covered Species, sensitivity of the Covered Species to human activities, its status pursuant to CESA including legal protection, recovery efforts, penalties for violations and Project-specific protective measures described in the ITP. Permittee shall provide interpretation for non-English speaking workers, and the same instruction shall be provided for any new workers before their performing work in the Project Area. Permittee shall prepare and distribute wallet-sized cards or a fact sheet handout containing this information for workers to carry in the Project Area. Upon completion of the program, employees shall sign a form stating they attended the program and understand all protection measures.	ITP Condition # 3.4	Before commencing ground- or vegetation-disturbing activities / Entire Project	Permittee	
4	Permittee shall initiate a trash abatement program before starting Covered Activities and shall continue the program for the duration of the Project. Permittee shall ensure that trash and food items are contained in closed (animal-proof) containers and removed regularly (at least once a week) to avoid attracting opportunistic predators such as ravens, coyotes, and feral dogs.	ITP Condition # 3.6	Before commencing ground- or vegetation-disturbing activities / Entire Project	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
5	Permittee shall implement dust control measures during Covered Activities to facilitate visibility for monitoring of the Covered Species by the Designated Biologist. Permittee shall keep the amount of water used to the minimum amount needed and shall not allow water to form puddles.	ITP Condition # 3.7	Before commencing ground- or vegetation-disturbing activities/ Entire Project	Permittee	
6	Before starting Covered Activities, Permittee shall clearly delineate the boundaries of the Project Area with fencing, stakes or flags. Permittee shall restrict all Covered Activities to within the fenced, staked or flagged areas. Permittee shall maintain all fencing, stakes and flags until the completion of Covered Activities in that area.	ITP Condition # 3.9	Before commencing ground- or vegetation-disturbing activities / Entire Project	Permittee	
7	Permittee shall clearly delineate habitat of the Covered Species within the Project Area with posted signs, posting stakes, flags, and/or rope or cord, and place fencing as necessary to minimize the disturbance of Covered Species' habitat.	ITP Condition # 3.10	Before commencing ground- or vegetation-disturbing activities / Entire Project	Permittee	
8	The Designated Representative shall notify CDFW before starting Covered Activities and shall document compliance with all pre-Project Conditions of Approval before starting Covered Activities.	ITP Condition # 4.1	Before commencing ground- or vegetation-disturbing activities	Permittee	
9	Prior to conducting any Covered Activities, the Designated Biologist(s) shall prepare, and submit to CDFW for written approval, a Covered Species Mortality Reduction and Relocation Plan. The Covered Species Mortality Reduction and Relocation Plan shall include, but not be limited to: capture, handling, and relocation methods; identification of where the salvaged individuals will be relocated to; exclusion fence design; and identification of a wildlife rehabilitation center or veterinary facility where injured individuals of the Covered Species will be taken. The Covered Species Mortality Reduction and Relocation Plan must indicate that only the approved Designated Biologist(s) is/are authorized to capture and handle individuals of the Covered Species unless a Designated Monitor is specifically approved by CDFW in advance and in writing to handle the Covered Species under the direct supervision of the Designated Biologist.	ITP Condition # 4.2	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided)	Permittee	
<b>DURING CONSTRUCTION</b>					
10	The Designated Biologist shall be on site for the duration of Covered Activities each workday.	ITP Condition # 5.1	Entire Project	Permittee	
11	The Designated Biologist shall be on-site daily when Covered Activities occur. The Designated Biologist shall conduct compliance inspections to (1) minimize incidental take of the Covered Species; (2) prevent unlawful take of species; (3) check for compliance with all measures of the ITP; (4) check all exclusion zones; and (5) ensure that signs, stakes, and fencing are intact, and that Covered Activities are only occurring in the Project Area. The Designated Representative or Designated Biologist shall prepare daily written observation and inspection records summarizing: oversight activities and compliance inspections, observations of Covered Species and their sign, survey results, and monitoring activities required by the ITP.	ITP Condition # 4.4	Entire Project	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
12	The Designated Representative or Designated Biologist shall compile the observation and inspection records identified in Condition of Approval 4.4 into a Weekly Compliance Report and submit it to CDFW along with a copy of this MMRP table with notes showing the current implementation status of each mitigation measure. Weekly Compliance Reports shall be submitted to the CDFW offices listed in the Notices section of the ITP and via e-mail to CDFW's Regional Office, and Headquarters CESA Program. At the time of the ITP's approval, the CDFW Regional Office email is R4CESA@wildlife.ca.gov and Headquarters CESA Program email is CESA@wildlife.ca.gov. CDFW may at any time increase the timing and number of compliance inspections and reports required under this provision depending upon the results of previous compliance inspections. If CDFW determines the reporting schedule must be changed, CDFW will notify Permittee in writing of the new reporting schedule.	ITP Condition # 4.5	Entire Project	Permittee	
13	The Designated Biologist shall submit all observations of Covered Species to CDFW's California Natural Diversity Database (CNDDDB) within 60 calendar days of the observation and the Designated Biologist shall include copies of the submitted forms with the next Weekly Compliance Report.	ITP Condition # 4.6	Entire Project	Permittee	
14	The Designated Biologist shall maintain a record of all Covered Species handled, and all documented observations of Covered Species. This information shall include for each animal: (1) the locations (Global Positioning System (GPS) coordinates and maps) and time of capture and/or observation as well as release; (2) sex; (3) approximate age (adult/juvenile); (4) weight; (5) general condition and health, noting all visible conditions including gait and behavior, emaciation, and injuries; and (6) ambient temperature when handled and released. The Designated Biologist shall satisfy all reporting requirements outlined in Condition of Approval 4.9 and shall also prepare a Relocation Summary and include it in the Weekly Compliance Report described in Condition of Approval 4.5. The Relocation Summary in the Final Mitigation Report, described in Condition of Approval 4.8, shall include cumulative results, analysis of data collected, and conclusions.	ITP Condition # 4.7	Entire Project	Permittee	
15	The Designated Representative shall immediately notify CDFW in writing if it determines that the Permittee is not in compliance with any Condition of Approval of the ITP, including but not limited to any actual or anticipated failure to implement measures within the time periods indicated in the ITP and/or this MMRP. The Designated Representative shall report any non-compliance with the ITP to CDFW within 24 hours.	ITP Condition # 4.3	Entire Project	Permittee	
16	The Designated Biologist shall maintain a construction-monitoring notebook on-site throughout the construction period which shall include a copy of the ITP with attachments and a list of signatures of all personnel who have successfully completed the education program. Permittee shall ensure a copy of the construction-monitoring notebook is available for review at the Project site upon request by CDFW.	ITP Condition # 3.5	Entire Project	Permittee	
17	Permittee shall prohibit use of erosion control materials potentially harmful to Covered Species and other species, such as mono-filament netting (erosion control matting) or similar material, in potential Covered Species' habitat.	ITP Condition # 3.8	Entire Project	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
18	Project-related personnel shall access the Project Area using existing routes and shall not cross Covered Species' habitat outside of or en route to the Project Area. Permittee shall restrict Project-related vehicle traffic to established roads, staging, and parking areas. Permittee shall ensure that vehicle speeds do not exceed 15 miles per hour to avoid Covered Species on or traversing the roads. If Permittee determines construction of routes for travel are necessary outside of the Project Area, the Designated Representative shall contact CDFW for written approval before carrying out such an activity. CDFW may require an amendment to the ITP, among other reasons, if additional take of Covered Species will occur as a result of the Project modification.	ITP Condition # 3.11	Entire Project	Permittee	
19	Permittee shall confine all Project-related parking, storage areas, laydown sites, equipment storage, and any other surface-disturbing activities to the Project Area using, to the extent possible, previously disturbed areas. Additionally, Permittee shall not use or cross Covered Species' habitat outside of the marked Project Area unless specifically provided for in Condition of Approval 3.11 of the ITP.	ITP Condition # 3.12	Entire Project	Permittee	
20	Permittee shall immediately stop and following pertinent State and federal statutes and regulations arrange for repair and clean up by qualified individuals of any fuel or hazardous waste leaks or spills at the time of occurrence, or as soon as it is safe to do so. Permittee shall exclude the storage and handling of hazardous materials from the Project Area and shall properly contain and dispose of any unused or leftover hazardous products off-site.	ITP Condition # 3.13	Entire Project	Permittee	
21	Permittee shall provide CDFW staff with reasonable access to the Project and shall otherwise fully cooperate with CDFW efforts to verify compliance with or effectiveness of mitigation measures set forth in the ITP.	ITP Condition # 3.14	Entire Project	Permittee	
22	Permittee shall immediately notify the Designated Biologist if a Covered Species is taken or injured by a Project-related activity, or if a Covered Species is otherwise found dead or injured within the vicinity of the Project. The Designated Biologist or Designated Representative shall provide initial notification to CDFW by calling the Regional Office at (559) 243-4005. The initial notification to CDFW shall include information regarding the location, species, and number of animals taken or injured and the ITP Number. Following initial notification, Permittee shall send CDFW a written report within two calendar days. The report shall include the date and time of the finding or incident, location of the animal or carcass, and if possible provide a photograph, explanation as to cause of take or injury, and any other pertinent information.	ITP Condition # 4.9	Entire Project	Permittee	
23	Permittee shall install exclusion fencing (exclusion fence) around the perimeter of the Project Area to exclude the Covered Species from Covered Activities. The Covered Species exclusion fencing shall be installed in accordance with a Covered Species Mortality Reduction and Relocation Plan (Condition of Approval 4.2) reviewed and approved in writing by CDFW before exclusion fencing installation. Temporary exclusion fencing shall be removed immediately upon completion of Covered Activities in the fenced Project Area.	ITP Condition # 5.2	Entire Project	Permittee	



	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
24	The Designated Biologist shall survey all portions of the construction footprint with upland habitat features for the presence of all life stages of the Covered Species immediately after initial ground disturbance (e.g., first ripping/discing/grading event). All small mammal burrows or burrow complexes incidentally dug up or otherwise disturbed during the grading or excavation activities shall be visually inspected for the Covered Species by the Designated Biologist. The Designated Biologist shall relocate any live Covered Species discovered during these surveys in accordance with the approved Covered Species Mortality Reduction and Relocation Plan (Condition of Approval 4.2).	ITP Condition # 5.3	Entire Project	Permittee	
25	During all Covered Activities, all workers shall inform the Designated Biologist(s) if an individual of the Covered Species is observed at the Project Area. All work in the vicinity of the observed Covered Species, which could injure or kill the animal, shall cease immediately until the Designated Biologist(s) can relocate the Covered Species following the CDFW approved Covered Species Mortality Reduction and Relocation Plan specified in Condition of Approval 4.2.	ITP Condition # 5.4	Entire Project	Permittee	
26	To prevent inadvertent entrapment of Covered Species or any other animals during the construction phase of the Project, Permittee shall ensure that all excavated, steep-walled holes or trenches are covered and inspected as described below. Permittee shall ensure that all trenches, holes, and other excavations with sidewalls steeper than a 1:1 (45 degree) slope are covered when workers and/or equipment are not actively working in them and at the end of each work day. Covers shall be made of plywood or similar solid material. Permittee shall ensure that the edges of the covers are covered with dirt to prevent Covered Species from crawling under them. If a situation is encountered that this measure does not anticipate and alternative methods of preventing entrapment or injury in excavations are warranted, then Permittee shall request and obtain CDFW's written concurrence prior to implementing the alternative. If any worker discovers that Covered Species have become trapped, Permittee shall cease all Covered Activities in the vicinity and notify the Designated Biologist(s) immediately. Project workers and the Designated Biologist(s) shall allow Covered Species to escape unimpeded if possible before Covered Activities are allowed to continue, or the Designated Biologist(s) shall capture and relocate the Covered Species as per the Covered Species Mortality Reduction and Relocation Plan required in Condition of Approval 4.2.	ITP Condition # 5.5	Entire Project	Permittee	
27	Covered Species Refuge Areas/Cover Boards. The Permittee shall provide refuge opportunities in the form of cover boards (2-foot x 2.6-foot plywood), along the Covered Species exclusion fence on both sides of the fence. Permittee shall submit a design (e.g., number of cover boards, location, etc.) of the refuge opportunities prior to the initiation of Covered Activities to CDFW for written approval (e-mail will suffice). The Designated Biologist shall inspect refuge areas each morning as well as during and after rain events. Covered Species within the interior fence should be given the ability to leave on their own accord before active relocation is attempted in accordance with the Covered Species Mortality Reduction and Relocation Plan (Condition of Approval 4.2).	ITP Condition # 5.6	Entire Project	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
28	Workers shall inspect for Covered Species under vehicles and equipment before the vehicles and equipment are moved. If a Covered Species is present, the worker shall notify the Designated Biologist and wait for the Covered Species to move unimpeded to a safe location. Alternatively, especially if the animal is inside a fenced Project Area, the Designated Biologist(s) shall move the Covered Species out of harm's way outside of the Project Area and in compliance with the approved Covered Species Mortality Reduction and Relocation Plan required in Condition of Approval 4.2.	ITP Condition # 5.7	Entire Project	Permittee	
29	Workers shall thoroughly inspect all construction pipe, culverts, or other similar structures with a diameter of one inch or greater that are stored for one or more overnight periods for the Covered Species before the object is subsequently moved, buried, or capped. If during inspection, an individual of the Covered Species is discovered inside a pipe, culvert, or similar structure, the Designated Biologist shall move the Covered Species out of harm's way outside of the Project Area and in compliance with the approved Covered Species Mortality Reduction and Relocation Plan required in Condition of Approval 4.2.	ITP Condition # 5.8	Entire Project	Permittee	
30	If a Covered Species is injured as a result of Project-related activities, the Designated Biologist shall immediately take it to a CDFW approved wildlife rehabilitation or veterinary facility. Permittee shall identify the facility before starting Covered Activities. Permittee shall bear any costs associated with the care or treatment of such injured Covered Species. The Permittee shall notify CDFW of the injury to the Covered Species immediately by telephone and e-mail followed by a written incident report as described in Condition 4.9. Notification shall include the name of the facility where the animal was taken.	ITP Condition # 5.9	Entire Project	Permittee	
31	To ensure compliance with the Conditions of Approval of the ITP, the Designated Biologist shall have authority to immediately stop any activity that is not in compliance with the ITP, and/or to order any reasonable measure to avoid the unauthorized take of an individual of the Covered Species, or a species not covered by the ITP.	ITP Condition # 3.3	Entire Project	CDFW	
<b>POST-CONSTRUCTION</b>					
32	Upon completion of Covered Activities, Permittee shall remove from the Project Area and properly dispose of all temporary fill and construction refuse, including, but not limited to, broken equipment parts, wrapping material, cords, cables, wire, rope, strapping, twine, buckets, metal or plastic containers, and boxes.	ITP Condition # 3.15	Post-construction	Permittee	
33	No later than 45 days after completion of all mitigation measures, Permittee shall provide CDFW with a Final Mitigation Report. The Designated Biologist shall prepare the Final Mitigation Report which shall include, at a minimum: (1) a summary of all Weekly Compliance Reports (2) a copy of the table in this MMRP with notes showing when each of the mitigation measures was implemented; (3) all available information about Project-related incidental take of the Covered Species; (4) information about other Project impacts on the Covered Species; (5) beginning and ending dates of Covered Activities; (6) an assessment of the effectiveness of the ITP's Conditions of Approval in minimizing and fully mitigating Project impacts of the taking on Covered Species; (7) recommendations on how mitigation measures might be changed to more effectively minimize take and mitigate the impacts of future projects on the Covered Species; and (8) any other pertinent information.	ITP Condition # 4.8	Post-construction and after completion of mitigation	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
34	Permittee shall purchase 0.2 acre of Covered Species credits from a CDFW-approved mitigation or conservation bank (Condition of Approval 6.1) The Permittee shall also restore on-site 0.019 acres of temporarily impacted Covered Species habitat pursuant to Condition of Approval 9.6.	ITP Condition # 6	Post-construction	Permittee	
35	Permittee shall purchase 0.2 acre of Covered Species credits from a CDFW-approved mitigation or conservation bank, representing a portion of the 75 upland habitat credits reserved by the permittee on March 28, 2018 at the CDFW-approved Sparling Ranch Conservation Bank. The Permittee shall provide proof of credit purchase and proof of subtraction of the 0.2 acre of upland habitat credits from the 75 credits reserved in 2018 to CDFW within 30 days of the effective date of the ITP. The CDFW approved Sparling Ranch Conservation Bank has a service area that encompasses the Project Area and is known to provide high quality breeding and upland habitat for the Covered Species, has been conserved in perpetuity through a conservation easement, and has funds for long term management of the conserved lands. Endowment costs are included in the sale price of conservation credits.	ITP Condition # 6.1	Within 30 days of ITP Issuance	Permittee	
36	Permittee shall restore on-site the 0.2 acre of Covered Species habitat that will be temporarily disturbed during construction to pre-project or better conditions. Within 30 days of issuance of the ITP, the Permittee shall prepare a Vegetation Restoration Plan to facilitate revegetation of the 0.2 acre of temporary construction disturbance on-site and shall ensure that the Plan is successfully implemented by the contractor. The Plan shall include detailed specifications for restoring all temporarily disturbed areas, such as seed mixes and application methods. The plan shall also indicate the best time of year for seeding to occur.	ITP Condition # 6.2	Within 30 days of ITP Issuance and Post-construction	Permittee	