

Appendix L

Mitigation Monitoring and Reporting Program

1 MITIGATION MONITORING AND REPORTING PLAN

2 The California Public Utilities Commission (CPUC) is the California Environmental Quality Act (CEQA)
3 Lead Agency. In that role, if the Suncrest Dynamic Reactive Power Support Project (Proposed Project)
4 or an alternative is approved, the CPUC would be responsible for ensuring monitoring and reporting
5 on required mitigation.

6 NextEra Energy Transmission West (NEET West), as the Applicant and project proponent, would be
7 responsible for implementing all applicable measures, including the adopted mitigation measures
8 and conditions of project approval, as well as conditions imposed in any permits or regulations
9 administered by other responsible agencies.

10 The Mitigation Monitoring and Reporting Plan (MMRP) for the Proposed Project (or approved
11 alternative) establishes the approach to implementing the mitigation measures and APMs identified
12 in the EIR. If the project is approved and the MMRP described below is adopted by the CPUC, a
13 detailed Mitigation Monitoring, Compliance, and Reporting Program (MMCRP) would be developed,
14 as described in this Appendix. The MMCRP would be the mechanism for CPUC implementation of the
15 MMRP.

16 The MMRP summary table, included at the end of this Appendix, includes the mitigation measures
17 identified in the CPUC's Draft Environmental Impact Report (DEIR) for NEET West's Proposed
18 Project. For each mitigation measure, this table identifies monitoring and reporting actions that shall
19 be carried out and the monitoring schedule. This table also includes a column where responsible
20 parties can check off monitoring and reporting actions as they are completed.

21 The MMCRP would be the basis for the CPUC's environmental monitoring and reporting activities
22 throughout project construction, including during site rehabilitation and restoration after
23 construction is completed. It would detail how and when the mitigation measures would be
24 implemented. The MMCRP would also identify duties and responsibilities of the various parties,
25 communication protocols to follow, and record management requirements. The MMCRP would be
26 prepared and instituted prior to any notices to proceed being issued or the initiation of any
27 construction.

28 **AUTHORITY FOR THE MMCRP**

29 ***California Public Utilities Commission***

30 The California Public Utilities Code confers authority upon the CPUC to regulate the terms of service
31 and the safety, practices, and equipment of utilities subject to its jurisdiction. It is CPUC practice,
32 pursuant to its statutory responsibility, to protect the environment and to require that mitigation
33 measures stipulated as conditions of approval be properly implemented, monitored, and reported
34 on. This requirement is codified statewide as PRC § 21081.6, which requires a public agency to adopt
35 a mitigation monitoring or reporting program, when it approves a project that is subject to
36 preparation of an EIR and where the EIR for the project identifies significant adverse environmental
37 effects. CEQA Guidelines Section 15097 describes agency requirements for mitigation monitoring or
38 reporting.

39 The CPUC would address its responsibilities under PRC § 21081.6 when it takes action on NEET
40 West's application for a Certificate of Public Convenience and Necessity. If the CPUC approves the
41 Proposed Project or an alternative, it also would adopt an MMRP and include the mitigation measures
42 as a condition of approval. The MMRP would be incorporated into the MMCRP.

1 The purpose of an MMCRP is to ensure that the measures adopted to mitigate or avoid significant
2 impacts of a project are implemented, and to report on their implementation. The CPUC views the
3 MMCRP as a working guide to facilitate implementation of mitigation measures imposed by the
4 approving agencies measures and any measures proposed by the project proponent, and to provide
5 for the monitoring, compliance, and reporting activities of the CPUC and its designated monitors.

6 **ORGANIZATION OF THE MMCRP**

7 If the Proposed Project or an alternative is approved, the CPUC would compile the Final MMRP and
8 include it in the Final EIR, as adopted. Based on the MMRP, the MMCRP would be prepared and would
9 serve as a self-contained guide for implementing the MMRP throughout project construction.

10 The Final MMCRP would contain a concise overview and description of the approved project, outline
11 its physical locations, and, to the extent known, provide the project schedule. It would include all
12 adopted mitigation measures and would specify the master reference document(s) that the monitors
13 and NEET West would use in carrying out the MMRP (e.g., the Final Environmental Impact Report
14 (EIR), detailed working maps and plans, issued permits, etc.). The Applicant Proposed Measures
15 (APMs) to which NEET West has committed would be incorporated to the extent they have not been
16 superseded by specific mitigation measures in the Final EIR.

17 The MMCRP would include a list of the agencies having jurisdiction over various aspects of the
18 project, and a description of where these respective jurisdictions occur. For example, the MMCRP
19 would state which California Department of Fish and Wildlife (CDFW) regional office has jurisdiction
20 and provide contact information, including the designated representative's name, address, email, and
21 telephone and fax numbers.

22 The MMCRP would also include definition of the manner in which NEET West's monitoring team
23 would interact with the CPUC staff and consultants. In addition, the MMCRP would define NEET
24 West's required submittals to the agencies, and protocol for interactions among agency and NEET
25 West team members.

26 The MMCRP would be structured as follows:

- 27 1. Introduction
 - 28 a. Authority and Purpose of the MMCRP
 - 29 b. Jurisdictional Agencies
 - 30 c. Project Description
 - 31 d. Organization of the MMCRP
- 32 2. Roles and Responsibilities
 - 33 a. Monitoring Responsibility
 - 34 b. Enforcement Responsibility
 - 35 c. Mitigation Compliance Responsibility
 - 36 d. Communications
 - 37 e. Dispute Resolution
 - 38 f. NEET West Roles

- 1 i. Identification of the qualified NEET West team members who would
2 verify that all adopted measures and conditions have been successfully
3 implemented.
- 4 ii. Organization of the NEET West team, including specifying duties, roles,
5 and responsibilities.
- 6 iii. Identification of primary NEET West contacts for CPUC environmental
7 monitoring staff liaison.
- 8 3. General Monitoring and Compliance Procedures
- 9 a. Environmental Monitors
- 10 b. Construction Personnel
- 11 c. General Reporting Requirements
- 12 i. Neet West Compliance Levels for internal reporting
- 13 ii. NEET West Daily Incident Summary format and protocol
- 14 iii. NEET West Weekly Monitoring Report format and content
- 15 iv. NEET West Annual Monitoring Report format and content
- 16 d. Records Management and Public Access to Records
- 17 4. Mitigation Measure Tables

18 **ROLES AND RESPONSIBILITIES**

19 Responsibility for implementing the adopted measures rests with NEET West, unless otherwise
20 specified in the measure.

21 As Lead Agency under CEQA, the CPUC is responsible for monitoring an approved project to ensure
22 that required mitigation measures and APMs are implemented. The required MMRP would be
23 implemented through the MMCRP. The purpose of the MMRP is to document that the mitigation
24 measures required by the CPUC are implemented and that mitigated environmental impacts are
25 reduced to the level identified in the EIR.

26 The CPUC may delegate duties and responsibilities for monitoring to environmental monitors or
27 consultants working on behalf of the CPUC. As well, some monitoring responsibilities may be
28 assumed by responsible agencies, where areas or resources under their jurisdiction are potentially
29 affected or involved.

30 NEET West would deploy its own monitors for its own purposes, to ensure implementation of its
31 commitments and execution of its responsibilities. The number of NEET West construction monitors
32 assigned to the project would be determined by the utility and would depend on the number of
33 concurrent construction activities underway, their locations, and the types of resources potentially
34 affected. The CPUC would ensure that persons assigned monitoring duties by NEET West are
35 qualified to undertake those duties.

36 When a mitigation measure requires that a study or plan be developed during the design or pre-
37 construction phase of the project, NEET West must submit the final study or plan to CPUC for review
38 and approval. Any study or plan that requires approval of the CPUC must allow at least 60 days for
39 adequate review unless noted otherwise in the mitigation measure. Other agencies and jurisdictions
40 with authority over aspects of the Proposed Project or particular resources may require additional

1 review time. The CPUC environmental monitoring team would be responsible for confirming that
2 appropriate agency reviews have occurred and required approvals were obtained by NEET West.

3 During the course of construction, circumstances may arise that require deviations from the project
4 as approved. The CPUC, along with their environmental monitors, would evaluate any proposed
5 deviations from the approved project to ensure they are consistent with CEQA requirements.
6 Depending on its nature, a requested deviation would be processed as a Minor Project Change (MPC)
7 or be the subject of a Petition for Modification (PFM) submitted by the Applicant.

8 MPCs would be strictly limited to minor project changes that do not trigger additional permit
9 requirements, do not increase the severity of an impact or create a new impact, and are within the
10 geographic scope of the EIR.

11 If a project change would create or have the potential to create a new significant impact, increase the
12 severity of an impact, or occur outside the geographic area evaluated in the EIR, NEET West would
13 be required to submit a PFM. The CPUC would evaluate the PFM under CEQA, as appropriate, to
14 determine what form of supplemental environmental review would be required.

15 ***Enforcement Responsibility***

16 The CPUC would be responsible for monitoring implementation of the MMCRP and enforcing the
17 procedures adopted. Generally, this would be done through the Environmental Monitors assigned by
18 the permitting agencies. In addition, if the permitting agencies' Environmental Monitors note
19 conditions or situations falling within the purview of other agencies, they may notify the appropriate
20 agencies or individuals about any problems, and report these to the CPUC.

21 As the State's regulator of investor-owned utilities, CPUC has the authority to halt any construction,
22 operation, or maintenance activity associated with the project if the activity is determined to be a
23 deviation from the approved project or the adopted mitigation measures.

24 ***Compliance Responsibility***

25 NEET West would be responsible for successfully implementing all the adopted mitigation measures
26 in the MMCRP. The MMCRP would contain criteria that define whether mitigation is successful.
27 Standards for successful mitigation also are implicit in many mitigation measures that include such
28 requirements as obtaining permits or avoiding a specific impact entirely. Additional mitigation
29 success thresholds may be established through the review and approval of specific plans required
30 under mitigation measures. Other requirements may be stipulated by another agency with applicable
31 jurisdiction during that agency's permitting process.

32 NEET West would inform CPUC and the Environmental Monitors in writing of any mitigation
33 measures that are not or cannot be successfully implemented and provide alternative approaches for
34 successful mitigation implementation. The CPUC, in coordination with their Environmental Monitors,
35 would review the alternative approach to determine if it is adequate and whether an MPC or PFM
36 would apply.

37 **DISPUTE RESOLUTION**

38 It is expected that the Final MMCRP would greatly reduce or eliminate potential disputes. However,
39 even with the best preparation, disputes may occur. In such an event, the following procedure would
40 be observed:

- 41 ▪ Step 1. Disputes and complaints (including those from the public) should be directed first to
42 the CPUC Project Manager or designee, as appropriate, for resolution. The Project Manager
43 or designee would attempt to resolve the dispute.

- 1 ▪ Step 2. Should this informal process fail, the CPUC Project Manager may initiate enforcement
2 or compliance action to address deviations from the approved project or adopted MMRP.

3 The following steps apply to the CPUC only:

- 4 ▪ Step 3. If a dispute or complaint regarding the implementation or evaluation of the MMRP or
5 the mitigation measures cannot be resolved informally or through enforcement or
6 compliance action by the CPUC, any affected participant in the dispute or complaint may file
7 a written “notice of dispute” with the CPUC’s Executive Director. This notice should be filed
8 expeditiously in order to resolve the dispute in a timely manner, with copies concurrently
9 served on other affected participants. Within 10 days of receipt, the Executive Director or
10 designee(s) shall meet or confer with the filer and other affected participants for purposes of
11 resolving the dispute. The Executive Director shall issue an Executive Resolution describing
12 his/her decision, and serve it on the filer and other affected participants.
- 13 ▪ Step 4. If one or more of the affected parties is not satisfied with the decision as described in
14 the Resolution, they may appeal it to the Commission via a procedure to be specified by the
15 Commission. Parties may also seek review by the Commission through existing procedures
16 specified in the Commission’s Rules of Practice and Procedure for formal and expedited
17 dispute resolution, although a good faith effort should be made to use the foregoing
18 procedure first.

19 **GENERAL MONITORING PROCEDURES**

20 ***Environmental Monitors***

21 Many of the monitoring procedures would be conducted during the construction phase of the project.
22 The CPUC and Environmental Monitors are responsible for integrating the mitigation monitoring
23 procedures into the construction process in coordination with NEET West. To oversee the monitoring
24 procedures and to ensure success, the Environmental Monitors assigned must be onsite during any
25 construction activity for which mitigation is required. The Environmental Monitors are responsible
26 for ensuring that all procedures specified in the MMCRP are followed.

27 ***Construction Personnel***

28 A key element in the success of mitigation and mitigation monitoring is the full cooperation of
29 construction personnel and supervisors. Successful implementation of many of the mitigation
30 measures requires specific actions and behaviors on the part of the construction supervisors or
31 crews. To ensure success, the following actions, detailed in specific mitigation measures included in
32 the MMCRP, would be taken:

- 33 ▪ Procedures to be followed by construction companies engaged to do the work would be
34 written into their contracts with NEET West. Procedures to be followed by construction
35 crews would be written into a separate agreement that all construction personnel would be
36 asked to sign, denoting consent to the procedures.
- 37 ▪ As specified by mitigation, a training program would be conducted to inform construction
38 personnel about the requirements of the monitoring program (as detailed in the MMCRP).
39 The CPUC Environmental Monitors would verify that each crew member receives the
40 required training.
- 41 ▪ A written summary of mitigation monitoring procedures would be provided to construction
42 supervisors for all mitigation measures requiring their attention.

1 **Reporting Procedures**

2 Detailed weekly reports would be prepared and submitted by the CPUC environmental monitoring
3 team. These would include detailed information on construction activities, compliance activities
4 observed by the Environmental Monitors and others documented by NEET WEST, any issues and
5 their resolution, and photographs of relevant activities and conditions.

6 NEET West is required to have its own monitors for particular resources, depending on project needs
7 and activities. These monitors shall provide daily reports/surveys that are entered into a field record
8 environmental database employed by NEET West. Construction is not allowed to start in a particular
9 area until the required pre-construction surveys and flagging/staking are completed per the MMCRP,
10 and the CPUC environmental monitor has validated compliance and the CPUC has issued a Notice to
11 Proceed.

12 NEET West is required to provide the CPUC with written weekly and annual reports of the project,
13 which shall include progress of construction, resulting impacts, mitigation implemented, and all
14 other noteworthy elements of the project.

15 **Public Access to Records**

16 The public is allowed access to records and reports used to track the monitoring program. Monitoring
17 records and reports would be made available for public inspection by the CPUC on request. The CPUC
18 and NEET West would develop a filing and tracking system. For additional information on mitigation
19 monitoring and reporting for the project, the Energy Division of the CPUC would maintain an Internet
20 website, accessible at:

21 ▪ <http://www.cpuc.ca.gov/environment/info/horizonh2o/suncrest/index.html>

22 To facilitate the public's awareness, the CPUC would make weekly reports available on the website.

23 **ACRONYMS AND ABBREVIATIONS (FOR APPENDIX L)**

24	APLIC	Avian Power Line Interaction Committee
25	APM	Applicant Proposed Measure
26	BMPs	best management practices
27	CAL FIRE	California Department of Forestry and Fire Protection
28	CDFW	California Department of Fish and Wildlife
29	CEQA	California Environmental Quality Act
30	CFPP	Construction Fire Protection Plan
31	CPUC	California Public Utilities Commission
32	CRHR	California Register of Historical Resources
33	DEIR	draft environmental impact report
34	DMP	Debris Management Plan
35	EIR	environmental impact report
36	FPP	Fire Protection Plan
37	HMWMP	Hazardous Materials and Waste Management Plan
38	MBTA	Migratory Bird Treaty Act
39	MLD	Most Likely Descendant

1	MMCRP	Mitigation Monitoring, Compliance, and Reporting Program
2	MMRP	Mitigation Monitoring and Reporting Plan
3	MPC	Minor Project Change
4	NAHC	Native American Heritage Commission
5	NEET West	NextEra Energy Transmission West
6	PFM	Petition for Modification
7	SDCFA	San Diego County Fire Authority
8	SDG&E	San Diego Gas & Electric
9	SVC	Static Var Compensator
10	SWPPP	Stormwater Pollution Prevention Plan
11	TCP	Traffic Control Plan
12	TCR	tribal cultural resource
13	USFS	U.S. Forest Service
14	USFWS	U.S. Fish and Wildlife Service

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Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
Aesthetics				
AES-1	<p>Use Design and Architectural Features on Project Structures to Complement the Surrounding Visual Landscape.</p> <p>NEET West or their contractor(s) shall implement the following measures to the extent feasible:</p> <ul style="list-style-type: none"> ▪ Material and paint colors should be selected that are compatible with the existing colors of the surrounding area (i.e., dull grey, light brown, or dull green) in order to minimize visual contrast. ▪ Natural materials should be selected that blend with the natural surroundings and avoid the use of large expanses of reflective glazing, aluminum panels, and other materials not normally found in the environment. ▪ Dulled metal finish transmission structures and non-specular conductors (within the SVC and for the overhead span to interconnect into Suncrest Substation) shall be used for the Proposed Project. ▪ Non-specular conductors shall be treated to reduce reflectivity and have a smooth matte gray finish that blends unobtrusively with the environment. 	<ol style="list-style-type: none"> 1. Incorporate requirements into Project design and bid documents. 2. Confirm that materials and paint colors do not contrast substantially with the surrounding landscape. 3. Confirm that dulled metal finish transmission structures and non-specular conductors are used. 	<ol style="list-style-type: none"> 1. During design phase and preparation of plans and specifications. 2. During/following construction. 3. During/following construction. 	
AES-2	<p>Light and Glare Reduction.</p> <p>Temporary construction and permanent SVC lighting shall be the lowest illumination allowed for human safety and security, selectively placed, shielded and downward facing to minimize nighttime glare.</p>	<ol style="list-style-type: none"> 1. Confirm that measure is incorporated into contract documents. 2. Confirm that temporary construction lighting is lowest allowed, and is 	<ol style="list-style-type: none"> 1. Before construction. 2. At the start of construction. 3. Following construction, 	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
		shielded and downward-facing. 3. Confirm that permanent SVC lighting is lowest illumination allowed, and shielded and downward-facing.	prior to Project operation.	
Agriculture and Forestry				
None.				
Air Quality				
AIR-1	Fugitive Dust Control. During construction, water or non-toxic soil stabilizers will be applied in sufficient quantities on access roads, staging areas, work areas, and on stockpiles to control fugitive dust.	1. Confirm water or non-toxic soil stabilizers have been applied to access roads, staging areas, work areas, and stockpiles.	1. During construction.	
AIR-2	Speed Limits. During construction, vehicle speeds will be limited to 15 miles per hour on unpaved roads or work areas and vehicles should be turned around in established or designated areas only.	1. Confirm vehicles are operated to maintain a 15-mile-per-hour speed limit and are turned around in designated areas.	1. During construction.	
AIR-3	Vehicle Use and Idling Time. To the extent feasible construction vehicle use and idling time will be minimized. The ability to limit construction vehicle idling time is dependent upon the sequence of construction activities and when and where vehicles are needed or staged. Certain vehicles, such as large diesel powered vehicles, have extended warm-up times following start-up that limit their	1. Confirm “common-sense” approach is applied to vehicle usage and idling times are minimized.	1. During construction.	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	availability for use following startup. 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; 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 preconstruction conferences. Those briefings will include discussion of a “common sense” approach to vehicle use.			
AIR-4	<p>Construction Equipment Emissions.</p> <p>Low-emission construction equipment will be utilized during construction of the Proposed Project. Construction equipment will be maintained per manufacturer specifications. All off-road construction diesel engines not registered under the CARB Statewide Portable Equipment Registration Program shall meet at a minimum the Tier 2 California Emission Standards for Off-Road Compression-Ignition Engines as specified in Cal. Code Regs., tit. 13 § 2423(b)(1).</p>	<ol style="list-style-type: none"> 1. Confirm construction equipment are maintained per manufacturer specifications and are either are registered under the CARB Statewide Portable Equipment Registration Program or meet at a minimum the Tier 2 California Emission Standards for Off-Road Compression-Ignition Engines. 	<ol style="list-style-type: none"> 1. During construction. 	
AIR-5	<p>Loss of Sulfur Hexafluoride (SF₆).</p> <p>In operation of the SVC, NEET West will maintain the 230-kv circuit breaker so that the loss of SF₆ is less than 0.5 percent per year. To assess the loss of SF₆, NEET West will conduct monthly inspections and maintain the records of such inspections. NEET West will also participate in the U.S.</p>	<ol style="list-style-type: none"> 1. Confirm the loss of SF₆ is less than 0.5 percent per year through NEET West monthly reporting. 2. Confirm participation in the U.S. Environmental Protection Agency’s 	<ol style="list-style-type: none"> 1. During operation. 2. During operation. 	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	Environmental Protection Agency’s voluntary SF ₆ Emission Reduction Partnership for Electric Power Systems.	voluntary SF ₆ Emission Reduction Partnership for Electric Power Systems.		
AQ-1	<p>Off-Road Equipment Control. NEET West or their contractor(s) shall implement the following measure:</p> <ul style="list-style-type: none"> ▪ All off-road equipment engines that are 50 horsepower or greater shall meet or exceed U.S. Environmental Protection Agency/California Air Resources Board Tier 3 emissions standards. ▪ Exceptions to the Tier 3 requirement shall be allowed for specialty equipment that will be used for no more than 5 days; provided that a due diligence search, which includes at least three (3) appropriate equipment rental firms could not procure the necessary equipment type with a Tier 3 compliant or better engine. 	<ol style="list-style-type: none"> 1. Ensure requirement is included in contract documents. 2. Confirm that off-road construction equipment meets applicable standards. 	<ol style="list-style-type: none"> 1. Before construction. 2. Before construction. 	
Biological Resources				
BIO-1	<p>Design Project to Avoid or Minimize Impacts on Known Occurrences of Special-Status Plants NEET West or their contractor(s) shall implement the following measures:</p> <ul style="list-style-type: none"> ▪ To the extent feasible, the Proposed Project shall avoid or minimize impacts on known occurrences of felt-leaved monardella (as shown on Figure 7-6 of this EIR). Avoidance and minimization measures may include adjustments of the project design to avoid special-status plants. 	<ol style="list-style-type: none"> 1. Incorporate measure into Project design plans and specifications. 2. Confirm that felt-leaved monardella occurrences have been avoided and/or impacts have been minimized. 	<ol style="list-style-type: none"> 1. Before construction. 2. Before/during construction. 	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
BIO-2	<p>Perform Focused Surveys for Special-Status Plants</p> <p>NEET West or their contractor(s) shall implement the following measures:</p> <p>Within 1 year before commencement of ground-disturbing activities, a qualified botanist shall perform surveys for special-status plant species with the potential to occur at the site. Floristic surveys will be performed according to the <i>Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities</i> (California Department of Fish and Game 2009 or current version). Floristic surveys will be performed during the appropriate bloom period(s) for each species. If special-status plants are detected within the construction zone or within a 100-foot radius of the construction zone, Mitigation Measure BIO-1c shall be implemented.</p>	<ol style="list-style-type: none"> 1. Retain qualified botanist to perform surveys. 2. Confirm that special-status plant/floristic surveys are completed in accordance with the measure. 3. If special-status plants are detected within the construction zone or within 100-foot radius, confirm implementation of Mitigation Measure BIO-1c. 	<ol style="list-style-type: none"> 1. Before construction. 2. Before construction, during survey period. 3. Before construction, during survey period, if necessary. 	
BIO-3	<p>Avoid or Minimize Impacts on Special-Status Plant Species during Construction</p> <p>If special-status plants are detected within the construction zone or within a 100-foot radius of the construction zone while implementing Mitigation Measure BIO-2, NEET West or the contractor(s) shall install exclusion fencing to protect plants that remain in place. Locations of special-status plant populations shall be clearly identified in the field by staking, flagging, or fencing. The plants shall be monitored throughout the duration of construction to determine whether the project has resulted in adverse effects (direct or indirect), as determined by a qualified botanist. If the botanist determines that special-status plants may have been adversely affected, NEET West shall implement measures to compensate for the impact as described in Mitigation Measure BIO-4.</p>	<ol style="list-style-type: none"> 1. Ensure measure is included in Project contract documents. 2. If necessary, based on Mitigation Measure BIO-1b surveys, confirm that exclusion fencing is installed to protect plants in place. 3. If necessary, based on Mitigation Measure BIO-1b surveys, ensure that identified plants are monitored throughout the duration of construction. 	<ol style="list-style-type: none"> 1. Before construction. 2. Before construction, if necessary. 3. During construction, if necessary. 4. Following construction, if necessary. 	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
		4. If botanist determines that special-status species have been adversely affected, confirm implementation of Mitigation Measure BIO-1d.		
BIO-4	<p>Compensate for Impacts to Special-Status Plant Species</p> <p>If avoidance of special-status plants is not feasible, NEET West shall implement measures to compensate for impacts on special-status plants. Compensation may be provided by purchasing credits at an approved mitigation bank (provided at a minimum 1:1 ratio [mitigation to impact]), or through transplanting perennial species, collecting and dispersing seed of annual species, and other conservation strategies that shall restore and protect the viability of the local population. Because of the differences in plant growth forms and life histories, conservation measures would be developed on a species-specific basis based on input from CDFW. If compensation measures are implemented, monitoring plant populations shall be conducted annually for 5 years to assess the mitigation’s effectiveness. Monitoring shall assess vegetative density, population size, natural recruitment, and plant health and vigor. Monitoring results may trigger management actions such as collection and sowing of additional seed, tillage/disturbance within existing populations to induce establishment, installation of container plants, and control of other competing vegetation to ensure successful plant establishment and survival. The determination of success will be based on whether there has been a substantial reduction (greater than 20 percent) in the size or abundance of the population compared to baseline</p>	<ol style="list-style-type: none"> 1. Retain a qualified biologist, if needed, and if it is decided to provide compensation through transplanting, collecting and dispersing seed, or other strategies (rather than through purchasing credits at an approved mitigation bank). 2. Confirm implementation of adequate compensation strategy. 3. Confirm monitoring is conducted for 5-year period following implementation, and that monitoring assesses appropriate metrics identified in mitigation measure. 4. Evaluate compensation plant population at the end of the 5-year period and confirm achievement of success criteria. 	<ol style="list-style-type: none"> 1. During or following construction, if it is identified that special-status plant species have been impacted (see Mitigation Measure BIO-1c). 2. Following construction or identification of adverse impacts to special-status plants. 3. Following implementation of compensation measures. 4. At the end of 5-year monitoring period, following implementation of compensation measures. 	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	conditions. The site shall be evaluated at the end of the 5-year monitoring period to determine whether the mitigation has met the success criteria.	5. If mitigation is not deemed successful following 5-year monitoring period, implement corrective actions to ensure successful mitigation is achieved.	5. Following 5-year monitoring period.	
BIO-5	<p>Avoid Impacts on Nesting Birds.</p> <p>Whenever possible, NEET West or their contractor(s) shall avoid impacts on native nesting birds by not initiating Proposed Project activities that involve clearing vegetation, generating mechanical noise, or ground disturbance during the typical breeding season from February 1 to August 31.</p>	<ol style="list-style-type: none"> 1. Confirm that measure is included in contract documents. 2. Confirm that breeding season limitation for applicable activities is adhered to. 	<ol style="list-style-type: none"> 1. Before construction. 2. During construction. 	
BIO-6	<p>Implement Preconstruction Surveys for Birds Protected under the Migratory Bird Treaty Act (MBTA).</p> <p>If construction is scheduled to commence during the non-nesting season (September 1 to January 31), no preconstruction surveys for nesting birds are required. If construction begins between February 1 and August 31, NEET West or their contractor(s) shall ensure that surveys for nesting birds are conducted by a qualified biologist within a 500-foot radius of the construction area. The survey shall be conducted no more than 14 days prior to construction. If the biologist determines that the area surveyed does not contain any active nests, then construction activities may commence without any further mitigation. If active nests are found, CDFW and U.S. Fish and Wildlife Service (USFWS) will be notified and no-work buffers around nests shall be established that are sufficient to ensure that breeding is not likely to be</p>	<ol style="list-style-type: none"> 1. Retain a qualified biologist to conduct preconstruction surveys. 2. If construction is scheduled to commence during the nesting season, confirm that preconstruction surveys for nesting birds are conducted in accordance with this measure. 3. If active nests are found, ensure that CDFW and USFWS are notified and no-work buffers are established 	<ol style="list-style-type: none"> 1. Prior to construction. 2. Prior to construction. 3. Prior to construction, if necessary. 	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	disrupted or adversely affected by construction. Buffers for non-special-status birds protected under the MBTA shall be 250 feet around the nest. Special status birds are not anticipated to nest within 500 feet of the Proposed Project, but if active special status bird nest are detected, no-work buffer shall be 500 feet around the nest. Buffers will be maintained until the young have fledged or the nests become inactive.	in accordance with this measure.		
BIO-7	<p>Structures Constructed to Minimize Impacts to Raptors and other Avian Life.</p> <p>NEET West or their contractor(s) shall construct structures to conform to “Suggested Practices for Raptor Protection on Power Lines” (Raptor Research Foundation, Inc. 1981) to minimize impacts to raptors. NEET West or their contractor(s) shall construct all aboveground power transmission lines to the Avian Power Line Interaction Committee (APLIC) Guidelines recommendations: <i>Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006, and Reducing Avian Collisions with Power Lines: State of the Art in 2012</i> (APLIC 2006, 2012).</p>	<ol style="list-style-type: none"> 1. Incorporate appropriate design into project plans. 2. Confirm that constructed structures conform to APLIC standards. 	<ol style="list-style-type: none"> 1. During preparation of project plans and specifications. 2. Following installation of above-ground transmission structures. 	
BIO-8	<p>Survey for Potential Hermes Copper Habitat.</p> <p>Prior to the start of vegetation clearing for the Project, a survey shall be conducted to determine the presence or absence of potentially suitable Hermes copper habitat within the Project footprint. Potentially suitable habitat is defined as mature (woody) spiny redberry shrub(s) within 15 feet of California buckwheat. If Hermes copper habitat is mapped within the project footprint and will be affected by Project activities, then Mitigation Measure BIO-9 shall be implemented.</p>	<ol style="list-style-type: none"> 1. Retain qualified biologist to conduct survey. 2. Confirm that survey shows no suitable habitat for Hermes copper butterfly within the Project footprint. 3. If survey shows positive findings for butterfly habitat in Project footprint, confirm 	<ol style="list-style-type: none"> 1. Prior to construction. 2. Prior to construction, following survey completion. 3. Following completion of 	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
		implementation of Mitigation Measure BIO-5b.	survey, if necessary.	
BIO-9	<p>Mitigate for Impacts to Hermes Copper Butterfly Habitat. NEET West or their contractor(s) shall implement the following measures:</p> <ul style="list-style-type: none"> ▪ If areas mapped as Hermes Copper butterfly habitat are adversely affected by the Proposed Project, NEET West shall mitigate permanent impacts at a 1:1 ratio for unoccupied habitat and 3:1 ratio for occupied habitat. Habitat should be considered occupied if it is within 150 meters of a Hermes copper sighting (County of San Diego 2010). 	<ol style="list-style-type: none"> 1. If surveys under Mitigation Measure BIO-5a show positive findings for Hermes copper butterfly habitat within the Project footprint, ensure impacts are mitigated in accordance with this measure. 	<ol style="list-style-type: none"> 1. Following Hermes copper butterfly survey, if necessary. 	
BIO-10	<p>Educational Training. NEET West or their contractor(s) shall ensure that before conducting construction activities all Proposed Project personnel shall participate in an educational training session conducted by a qualified biologist. All on-site personnel shall be informed about relevant special-status species and their habitat, conservation goals, identification, and procedures to follow in the event of a possible sighting. Personnel who miss the first training session or are hired later in the season must participate in a make-up session before conducting Project activities. A record of the personnel that attended the training shall be kept by the qualified biologist.</p>	<ol style="list-style-type: none"> 1. Retain qualified biologist to conduct educational training. 2. Confirm that all on-site construction personnel undergo training. 3. Confirm that training is conducted in accordance with this mitigation measure. 	<ol style="list-style-type: none"> 1. Prior to construction. 2. Prior to construction. 3. Prior to construction. 	
BIO-11	<p>Biological Monitor. NEET West or their contractor(s) shall employ a qualified biologist or environmental inspector who is familiar with the</p>	<ol style="list-style-type: none"> 1. Retain qualified biologist or environmental inspector 	<ol style="list-style-type: none"> 1. Prior to construction. 	

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	<p>biological resources and issues at the Proposed Project to conduct monitoring during all construction-related ground-disturbing activities that may impact sensitive biological resources. These activities would include but not necessarily be limited to: initial clearing and vegetation removal; perimeter fence installation and excavation; and movement of construction equipment and other activities outside of fenced/paved areas within wildlife habitat. The biological monitor/environmental inspector shall flag or otherwise clearly mark environmentally sensitive areas with appropriate buffers, within which construction is not allowed. The monitor/inspector shall 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. Such steps shall be pre-approved by CDFW and/or USFWS, as applicable given the species' status.</p>	<p>familiar with resources and issues at the Project site.</p> <ol style="list-style-type: none"> Confirm that biological monitor/inspector has authority to stop work if sensitive biological resources are found and has in place pre-approved steps to follow in event of such a discovery. Confirm that monitoring is conducted in accordance with this measure and environmentally sensitive areas are clearly marked with appropriate buffers. 	<ol style="list-style-type: none"> Prior to construction. During construction. 	
BIO-12	<p>Vehicle Use of Existing Roads.</p> <p>NEET West or their contractor(s) shall restrict all Proposed Project vehicle movement to existing roads as a part of the Proposed Project, except when not feasible due to physical or safety constraints. When it is not feasible to keep vehicles on existing access roads or avoid construction of access driveways during the nesting, breeding, or migration season, NEET West shall perform a site survey in the area where the work is to occur. This survey shall be performed to determine presence or absence of special-status nesting birds or other special-status species in the work area.</p>	<ol style="list-style-type: none"> Confirm measure is included in contract documents. Confirm that requirement is followed and project vehicle movement is limited to existing roads to the extent feasible. If it is not feasible to keep vehicles on existing access roads, confirm that site survey is performed in 	<ol style="list-style-type: none"> During preparation of plans and specifications. During construction. Before or during construction, as necessary. During construction. 	

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	<p>Parking or driving on unpaved areas underneath oak trees shall not be allowed in order to protect root structures. In addition, a 15-mile-per-hour speed limit shall be observed on roads in the Proposed Project area to reduce dust and allow reptiles and small mammals to disperse.</p>	<p>accordance with this measure.</p> <p>4. Confirm that vehicles are not parked or driven on unpaved areas underneath oak trees, and that a 15 mile-per-hour speed limit is observed on Project roads.</p>		
BIO-13	<p>Preconstruction Sweeps for Biological Resources.</p> <p>Prior to initial vegetation clearance, grubbing, and ground-disturbing activities, NEET West or their contractor(s) shall ensure that a qualified biologist shall conduct pre-construction sweeps of the Project site for special-status wildlife and plants. During these surveys, the biologist shall:</p> <ul style="list-style-type: none"> a) Ensure that potential habitats become inaccessible to wildlife (e.g., burrows are removed that would otherwise provide temporary refuge); b) In the event of an unanticipated discovery of a special-status ground-dwelling animal, a biologist holding the appropriate State and/or federal permits shall recover and relocate the animal to adjacent suitable habitat within the Proposed Project at least 200 feet from the limits of grading; and, c) In the event of the discovery of a previously unknown special-status plant, the area will be marked as an environmentally sensitive area, and avoided to the maximum extent practicable. If avoidance is not possible, NEET West will consult with USFWS and/or CDFW as appropriate given the species' status. 	<ul style="list-style-type: none"> 1. Retain qualified biologist to conduct preconstruction sweeps. 2. Confirm that potential habitats on Project site are made inaccessible to wildlife (e.g., burrows removed). 3. In the event of discovery of a special-status ground-dwelling animal, confirm biologist appropriately recovers and relocates the animal. 4. In the event of the discovery of a special-status plant, confirm that the area is marked and avoidance to the extent feasible. 5. In the event avoidance of an identified special-status 	<ul style="list-style-type: none"> 1. Prior to construction. 2. Prior to construction. 3. Prior to construction, if necessary. 4. Prior to construction, if necessary. 5. Prior to construction, if necessary. 	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
		plant is not feasible, confirm appropriate consultation with USFWS and/or CDFW.		
BIO-14	<p>Inspect Excavations for Trapped Wildlife. NEET West or their contractor(s) shall inspect all steep-walled trenches or excavations used during construction twice daily (early morning and evening) to protect against wildlife entrapment. If wildlife is located in a trench or excavation, the on-site biological resource monitor shall be contacted immediately to remove them if they cannot escape unimpeded. If the biological resource monitor is not qualified to remove the entrapped wildlife, a recognized wildlife rescue agency may be employed to remove the wildlife and transport them safely to other suitable habitats.</p> <p>Steep-walled trenches and excavations shall be fenced and/or covered at the end of each workday, to prevent wildlife from becoming entrapped and for safety purposes. Alternatively, escape ramps shall be installed in trenches or excavation to allow wildlife to exit on their own volition.</p>	<ol style="list-style-type: none"> 1. Ensure that measure is included in contract documents. 2. Confirm that steep-walled trenches and excavations are inspected twice daily for entrapped wildlife in accordance with this measure. 3. If wildlife is located in a trench or excavation, ensure that wildlife is removed and relocated by appropriate means. 4. Confirm that steep-walled trenches and excavations are fenced and covered at the end of each day, or that escape ramps are installed in trenches and excavations to allow wildlife to exit on their own volition. 	<ol style="list-style-type: none"> 1. During preparation of plans and specifications. 2. During construction. 3. During construction, if necessary. 4. During construction. 	
BIO-15	<p>Minimize Night Lighting. NEET West or their contractor(s) shall minimize construction night lighting on adjacent habitats. Exterior lighting within the</p>	<ol style="list-style-type: none"> 1. Ensure that measure is incorporated into contract 	<ol style="list-style-type: none"> 1. During preparation of 	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	Proposed Project area adjacent to habitat shall be the lowest illumination allowed for human safety and security, selectively placed, shielded, and directed downward to the maximum extent practicable. Vehicle traffic associated with Proposed Project activities shall be kept to a minimum volume and speed to prevent mortality of nocturnal wildlife species.	<p>documents and Project design.</p> <p>2. Confirm that exterior lighting within the Project area adjacent to habitat is lowest illumination allowed and directed downward to maximum extent practicable.</p> <p>3. Confirm that Project vehicle traffic is kept to a minimum volume and speed.</p>	<p>plans and specifications.</p> <p>2. During construction (for temporary construction lighting), and during operation (for permanent lighting).</p> <p>3. During construction (for construction vehicle traffic) and during operation (for Project operational traffic).</p>	
BIO-16	<p>Restoration and Revegetation.</p> <p>NEET West shall develop a Restoration and Revegetation Plan to guide restoration activities on the Project site that promotes locally appropriate native plant growth and eliminates non-native and invasive species. The Restoration Plan shall identify measures and success criteria specific to each impacted plant community at the Proposed Project. The total area to be planted, and species composition, shall be tailored for each impacted plant community based on existing standards and precedents. The Restoration Plan shall identify</p>	<p>1. Confirm development of a Restoration and Revegetation Plan that meets requirements identified in this mitigation measure.</p> <p>2. Confirm implementation of the Restoration and Revegetation Plan, and revegetation of disturbed soils.</p>	<p>1. Prior to completion of construction.</p> <p>2. Following construction, during revegetation/rest oration period.</p>	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	<p>success criteria for each habitat type and develop monitoring measures to ensure that success criteria will be met.</p> <p>Disturbed soils shall be revegetated with an appropriate weed-free, native seed mix. All areas designated for temporary impacts shall be revegetated with a seed blend that includes native grasses, forbs, and shrub species characteristic of the plant community receiving the temporary impact. Revegetation activities shall be undertaken as soon as construction activities have been completed to minimize colonization by non-native weedy species and to ensure compliance with the Proposed Project’s Storm Water Pollution Prevention Plan (SWPPP). Herbicides, if required during the restoration period, shall be applied using hand-held applicators for spot-treatment and shall not be used within 100 feet of drainages or sensitive plant populations.</p>	<p>3. Ensure that herbicides are applied in accordance with measure.</p>	<p>3. During revegetation/restoration efforts.</p>	
BIO-17	<p>Minimize Area of Disturbance of Engelmann Oak-Coast Live Oak/Poison Oak/Grass Association Habitat.</p> <p>NEET West or their contractor(s) shall ensure that the disturbance or removal of vegetation shall not exceed the minimum necessary to complete construction and shall only occur within the defined work area.</p>	<p>1. Confirm measure is incorporated into contract documents.</p> <p>2. Confirm that vegetation removal/disturbance is minimized and only occurs within the defined work area.</p>	<p>1. During preparation of plans and specifications.</p> <p>2. During construction.</p>	
BIO-18	<p>Develop and Implement a Restoration Plan for Engelmann Oak-Coast Live Oak/Poison Oak/Grass Association Habitat Disturbed during Construction.</p> <p>NEET West or their contractor(s) shall develop and implement a Habitat Restoration Plan to mitigate any temporary and permanent impact on Engelmann Oak-Coast Live Oak/Poison</p>	<p>1. Confirm development of a Restoration Plan for Engelmann Oak-Coast Live Oak/Poison Oak/Grass Association habitat</p>	<p>1. Prior to completion of construction.</p> <p>2. Following construction, during</p>	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	<p>Oak/Grass Association habitat. For any temporary impact, all disturbed soils and new fill in this habitat shall be revegetated with site-appropriate native species. For any permanent impact, Engelmann Oak-Coast Live Oak/Poison Oak/Grass Association habitat shall be mitigated at a ratio of 1.1:1 (replacement to impact). Engelmann Oak-Coast Live Oak/Poison Oak/Grass Association restoration or compensation may be completed at the Project site, in the vicinity, or at a conservation bank with a service area that covers the Project site. Revegetated or restored areas shall be maintained and monitored to ensure a minimum of 65 percent survival of woody plantings after 5 years.</p>	<p>disturbed during construction.</p> <ol style="list-style-type: none"> 2. Confirm implementation of Restoration Plan and mitigation of temporary and/or permanent impacts in accordance with the measure. 3. Confirm revegetated or restored areas are maintained and monitored to ensure 65 percent survival of woody plantings after 5 years. 	<p>revegetation/restoration period.</p> <ol style="list-style-type: none"> 3. Following construction, during 5-year monitoring period. 	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
Cultural Resources				
CR-1	<p>Conduct archaeological sensitivity training and construction monitoring.</p> <p>Prior to initiation of ground-disturbing activities, NEET West shall arrange for construction crews to receive training about the kinds of archaeological materials that could be present within the project site and the protocols to be followed should any such materials be uncovered during construction. Training shall be conducted by an archaeologist who meets the U.S. Secretary of Interior’s professional standards. Training may be required during different phases of construction to educate new construction personnel.</p> <p>The presence of archaeological sites both within the Proposed Project SVC area and along the Bell Bluff Truck Trail indicates that the area is sensitive for archaeological resources. As a result, a qualified archaeological monitor shall be retained to monitor all ground disturbing activities associated with the project. A Native American monitor shall also participate in observing ground-disturbing activities. If any prehistoric or historic-era features, or human remains, are exposed during construction, the archaeological monitor shall have the authority to stop work in the vicinity of the finds and implement the actions identified in Mitigation Measure CR-2.</p>	<ol style="list-style-type: none"> 1. Ensure measure is included in contract documents. 2. Retain a qualified archaeologist to conduct worker training and monitor ground-disturbing activities. 3. Retain Native American monitor to conduct monitoring of ground-disturbing activities. 4. Conduct construction crew training regarding archaeological materials that could be present in the project area. 5. Confirm that ground disturbing activities are monitored by archaeologist and Native American monitor. 6. In the event that cultural resources are encountered, ensure that work stops immediately, and Mitigation Measure CR-2 is implemented. 	<ol style="list-style-type: none"> 1. During preparation of plans and specifications. 2. Prior to construction. 3. Prior to construction. 4. Prior to construction. 5. During construction. 6. During construction, if necessary. 	

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<p>CR-2</p>	<p>Immediately halt construction if cultural resources are discovered, evaluate all identified cultural resources for eligibility for inclusion in the California Register of Historical Resources (CRHR), and implement appropriate mitigation measures for eligible resources.</p> <p>Not all cultural resources are visible on the ground surface. Construction activities, including possible blasting, at the SVC would require excavation up to 15 feet deep and trenching for the installation for the transmission line along the Bell Bluff Truck Trail would be up to 9 feet deep. These activities have the potential to uncover buried cultural resources. If any cultural resources, such as structural features, unusual amounts of bone or shell, flaked or ground stone artifacts, historic-era artifacts, human remains, or architectural remains are encountered during any project construction activities, work shall be suspended immediately at the location of the find and within a radius of at least 50 feet and the CPUC shall be notified within 24 hours.</p> <p>All cultural resources accidentally uncovered during construction within the project site shall be evaluated for eligibility for inclusion in the CRHR. Resource evaluations shall be conducted by individuals who meet the U.S. Secretary of the Interior's professional standards in archaeology, history, or architectural history, as appropriate. If any of the resources meet the eligibility criteria identified in Public Resources Code section 5024.1 or CEQA section 21083.2(g), mitigation measures shall be developed and implemented in accordance with CEQA Guidelines section 15126.4(b) before construction resumes.</p>	<ol style="list-style-type: none"> 1. Confirm that measure is incorporated into contract documents. 2. In the event cultural resources are identified during excavation and related activities, confirm that work stops immediately. 3. Ensure all accidentally uncovered cultural resources are evaluated for inclusion in the CRHR. 4. If resources are identified to meet the CRHR eligibility criteria, develop and implement appropriate mitigation measures. 5. If resources eligible for listing would be rendered ineligible by the effects of project construction, implement additional mitigation measures in accordance with this measure. 	<ol style="list-style-type: none"> 1. During preparation of plans and specifications. 2. During construction. 3. During construction, if necessary. 4. During or following construction, if necessary. 5. During or following construction, if necessary. 	

Mitigation Measure/Applicant Proposed Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
<p>For resources eligible for listing in the CRHR that would be rendered ineligible by the effects of project construction, or a Tribal Cultural Resource (TCR), additional mitigation measures shall be implemented. Mitigation measures for archaeological resources may include (but are not limited to) avoidance; incorporation of sites within parks, greenspace, or other open space; capping the site; deeding the site into a permanent conservation easement; or data recovery excavation. Mitigation measures for archaeological resources shall be developed in consultation with responsible agencies and, as appropriate, interested parties, such as Native American tribes. Native American consultation is required if an archaeological site is determined to be a TCR. Implementation of the approved mitigation would be required before resuming any construction activities with potential to affect identified eligible resources at the site.</p> <p>Furthermore, archaeological resources may also contain previously unidentified human remains. Although it would be unlikely for human remains to be disturbed during construction, given the previously disturbed nature and geology of the location, the possibility, though remote, exists that burials could be encountered. If human remains are encountered, Mitigation Measure CR-3 would be implemented during construction to ensure that potential impacts to these resources are less than significant with mitigation.</p>			

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
CR-3	<p>Immediately halt construction if human remains are discovered and implement applicable provisions of the California Health and Safety Code.</p> <p>If human remains are accidentally discovered during the Proposed Project's construction activities, the requirements of California Health and Human Safety Code section 7050.5 shall be followed. Potentially damaging excavation shall halt in the project site of the remains, with a minimum radius of 100 feet, and the County Coroner shall be notified. The Coroner is required to examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or state lands (Health and Safety Code § 7050.5[b]). If the Coroner determines that the remains are those of a Native American, he or she must contact Native American Heritage Commission (NAHC) by phone within 24 hours of making that determination (Health and Safety Code § 7050[c]). Pursuant to the provisions of Public Resources Code section 5097.98, the NAHC shall identify a Most Likely Descendent (MLD). The MLD designated by the NAHC shall have at least 48 hours to inspect the site and propose treatment and disposition of the remains and any associated grave goods. NEET West shall work with the MLD to ensure that the remains are removed to a protected location and treated with dignity.</p>	<ol style="list-style-type: none"> 1. Confirm that measure is included in project plans and specifications. 2. In the event that human remains are encountered, follow California Health and Safety Code requirements and contact the County Coroner. 3. Confirm that any discoveries of human remains are evaluated and addressed properly as outlined in the measure. 	<ol style="list-style-type: none"> 1. During preparation of plans and specifications. 2. During construction. 3. During construction. 	
<i>Geology, Soils, and Seismicity</i>				
GEO-1	<p>Implement Recommendations in the Project Geotechnical Investigation Report.</p> <p>NEET West and/or its contractors shall implement the recommendations contained in the geotechnical investigation report prepared for the Proposed Project by</p>	<ol style="list-style-type: none"> 1. Ensure that geotechnical investigation report recommendations are 	<ol style="list-style-type: none"> 1. During the design phase. 2. During construction. 	

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	Kleinfelder, dated September 2015 (see Appendix H, <i>Geotechnical Investigation Report</i>). These include recommendations for a geotechnical engineer to be present during construction to evaluate the suitability of excavated soils for use as engineered fill, and to observe and test site preparation and fill placement.	incorporated into project design. 2. Ensure that geotechnical investigation report recommendations are followed during Project construction.		
Greenhouse Gases				
None.				
Hazards and Hazardous Materials				
HAZ-1	Hazardous Materials and Waste Management Plan (HMWMP) NEET West and/or its contractor(s) shall prepare and implement a HMWMP. The HMWMP may include components or requirements which are part of compliance documents for other applicable federal and state hazardous materials regulations. The HMWMP shall include the following information: <ul style="list-style-type: none"> ▪ A list of hazardous materials present on-site during construction and operation, to be updated as needed along with product Safety Data Sheets and other information regarding storage, application, transportation, and disposal requirements; ▪ A Hazardous Materials Communication (i.e., HAZCOM) Plan; ▪ Assignments and responsibilities of Proposed Project Health and Safety roles; 	1. Ensure measure is included in the contract documents. 2. Confirm preparation and implementation of a HMWMP. 3. Confirm HMWMP includes all components/information identified in the mitigation measure.	1. During preparation of project plans and specifications. 2. Before construction. 3. Before construction.	

Mitigation Measure/Applicant Proposed Measure	Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
<ul style="list-style-type: none"> ▪ Standards for any secondary containment and countermeasures that will be required for hazardous materials; ▪ Spill response procedures based on product and quantity. The procedures shall include materials to be used, location of such materials within the Proposed Project area, and disposal protocols; and ▪ Protocols for the management, testing, reporting, and disposal of potentially contaminated soils or groundwater observed or discovered during construction. This will include termination of work within the area of suspected contamination sampling by an OSHA trained individual, and testing at a certified laboratory. <p>A copy of the HMWMP shall be provided to the CPUC for recordkeeping prior to the start of construction. HMWMP updates shall be made and submitted as needed if construction activities change whereas the existing HMWMP does not adequately address the Proposed Project.</p>			

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
HAZ-2	<p>Prepare and Implement Blasting Plan</p> <p>NEET West shall conduct a pre-blast survey, prepare a blasting plan, and obtain appropriate blasting and explosive permits prior to conducting any blasting activities during Project construction. NEET West shall submit a written report of the pre-blast survey and final blasting plan to CPUC and the County of San Diego and receive approval from that agency prior to any rock removal activity. The pre-blast survey and blasting plan shall meet the following conditions:</p> <ul style="list-style-type: none"> ▪ The pre-blast survey shall be conducted for structures within a minimum radius of 1,000 feet from the identified blast site to be specified by NEET West. Notification that blasting will occur shall be provided to all owners of the identified structures to be surveyed prior to commencement of blasting. The pre-blast survey shall be included in the final blasting plan. ▪ The final blasting plan shall outline safe and lawful procedures for transport, handling, and storage of explosives. The blasting plan shall identify where on the site explosives will be stored and explain what safety precautions will be taken in transporting and handling explosives to prevent potential accidental explosions or release of hazardous materials into the environment. ▪ The final blasting plan shall address air-blast limits, ground vibrations, and maximum peak particle velocity for ground movement, including provisions to monitor and assess compliance with the air-blast, ground vibration, and peak particle velocity 	<ol style="list-style-type: none"> 1. Confirm preparation of blasting plan. 2. Confirm that all appropriate blasting and explosive permits are obtained prior to conducting blasting activities. 3. Ensure pre-blast survey and blasting plan includes all components/meets all requirements identified in this measure. 4. Confirm that blasting is conducted in accordance with requirements of the blasting plan. 	<ol style="list-style-type: none"> 1. Prior to conducting blasting activities. 2. Prior to conducting blasting activities. 3. Prior to conducting blasting activities. 4. During blasting activities. 	

Mitigation Measure/Applicant Proposed Measure		Monitoring and Reporting Action	Monitoring Schedule	Completion Date and Initials
	<p>requirements. The blasting plan shall meet criteria established in Chapter 3 (Control of Adverse Effects) in the Blasting Guidance Manual of the U.S. Department of Interior Office of Surface Mining Reclamation and Enforcement.</p> <ul style="list-style-type: none"> ▪ The final blasting plan shall identify fire-safe blasting procedures and measures to prevent possible ignition of wildfires during blasting activities. ▪ The blasting plan shall outline the anticipated blasting procedures for the removal of rock material at the proposed SVC, riser pole and underground transmission line structures. The blasting procedures shall incorporate line control to full depth and controlled blasting techniques to create minimum breakage outside the line control and maximum rock fragmentation within the target area. Prior to blasting, all applicable regulatory measures shall be met. NEET West, or its subcontractor (as appropriate) shall keep a record of each blast for at least 1 year from the date of the last blast. <p>The blasting plan shall incorporate provisions to post signage along roads and trails within a minimum of 1000 feet of the identified blast site. Precautions such as fencing or taping will be incorporated that limit access to recreationalists and the general public.</p>			
HAZ-3	<p>Prepare and Implement a Construction Fire Protection Plan (CFPP)</p> <p>NEET West and/or its contractor(s) shall prepare and implement the Project’s CFPP in accordance with applicable sections of the San Diego County Consolidated Fire Code. The</p>	<ol style="list-style-type: none"> 1. Ensure that measure is included in the contract documents. 2. Confirm preparation of CFPP in accordance with 	<ol style="list-style-type: none"> 1. During preparation of 	

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	document will address fire prevention measures that will be employed during the construction phase, identifying potential sources of ignition and detailing the measures, equipment, and training that will be provided to all site contractors. The CFPP shall be prepared, reviewed, and approved by the San Diego County Fire Authority (SDCFA) and California Department of Forestry and Fire Protection (CAL FIRE) a minimum of 45 days prior to commencement of construction activities.	<p>applicable regulations and the Project’s FPP.</p> <ol style="list-style-type: none"> 3. Confirm review and approval of CFPP by SDCFA and CAL FIRE. 4. Confirm requirements of CFPP are full implemented. 	<p>project plans and specifications.</p> <ol style="list-style-type: none"> 2. Prior to construction. 3. Minimum of 45 days prior to commencement of construction activities. 4. During construction. 	
HAZ-4	<p>Fire Safe Working Conditions and Best Management Practices.</p> <p>NEET West and/or its contractor(s) shall implement the following measures during construction and operation to reduce the potential for ignitions and minimize fire-related hazards (these measures may be included in the CFPP, as appropriate):</p> <ul style="list-style-type: none"> ▪ All work vehicles will be required to carry fire suppression equipment. Workers will be trained in the use of equipment for incipient stage fire suppression. ▪ Smoking will be confined to vehicles or approved smoking areas where fire suppression equipment and appropriate disposal facilities are present. All smoking materials will be disposed of in appropriate disposal bins. 	<ol style="list-style-type: none"> 1. Ensure that Best Management Practices (BMPs) are included in the contract documents. 2. Confirm that all BMPs are implemented fully, including equipping vehicles and equipment with spark arrestors and ensuring fire suppression equipment is available. 	<ol style="list-style-type: none"> 1. During preparation of project plans and specifications. 2. During project construction. 	

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	<ul style="list-style-type: none"> ▪ All on-road vehicle parking will be restricted to paved or graveled surfaces unless parking is required during an emergency or required for worker safety. ▪ Require spark arrestors on all off-road equipment. ▪ Restrict work activities during Red Flag Warnings issued by the National Weather Service to the extent possible. Where it is not possible to stop or restrict work activities due to safety or time sensitive activities, work activities will be limited to those needed to complete the current task and establish safe working conditions. During Red Flag Warnings a crew member will be assigned to fire watch for each separate and distinct active work area. ▪ Weather and fire danger will be monitored on a daily basis. ▪ Fire suppression equipment such as backpack water pumps or water buffaloes will be kept on-site at a minimum of 50 feet from each separate and distinct active work area. 			
HAZ-5	<p>Follow Requirements and Recommendations Identified in the Fire Protection Plan (FPP)</p> <p>NEET West and/or its contractor(s) shall follow all of the requirements and recommendations contained in the FPP prepared for the Proposed Project by Dudek, dated June 2016. These requirements include, but are not limited to, design and implementation of defensible space around the proposed SVC facility according to the parameters described in the FPP; conducting training sessions with local fire station personnel and providing technical support to fire personnel regarding electrical fires and firefighting at energized facilities;</p>	<ol style="list-style-type: none"> 1. Ensure that defensible space and other design parameters identified in the FPP are incorporated into the project design. 2. Confirm that training sessions with local fire station personnel and other non-design FPP measures are implemented. 	<ol style="list-style-type: none"> 1. During design phase. 2. Prior to Project operation. 	

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	appropriate design of driveways and access roads to allow for safe and efficient fire personnel and equipment access; development and implementation of appropriate protocols for de-energizing the proposed facilities; inclusion of a 10,000 gallon water storage tank accessible to firefighters at the SVC site, and arrangement of electrical equipment on the SVC site to maintain adequate setbacks from vegetated areas.			
Hydrology and Water Quality				
HYD/WQ-1	<p>Implement Construction Best Management Practices for Erosion Control</p> <p>NEET West and/or its contractor(s) shall implement the following measures during Proposed Project construction, or shall implement alternative measures that are equally or more effective:</p> <ul style="list-style-type: none"> ▪ Implement practices to reduce erosion of exposed soil and stockpiles, including watering for dust control, establishing perimeter silt fences, and/or placing fiber rolls. ▪ Minimize soil disturbance areas. ▪ Implement practices to maintain water quality, including silt fences, stabilized construction entrances, and storm-drain inlet protection. ▪ Where feasible, limit construction to dry periods. ▪ Revegetate disturbed areas. <p>The performance standard for these erosion control measures is to use the best available technology that is economically achievable. These measures may be included in SWPPP requirements, as appropriate.</p>	<ol style="list-style-type: none"> 1. Confirm that BMPs are included in contract documents. 2. Confirm that all BMPs are implemented fully, and that erosion control measures use the best available technology that is economically achievable. 	<ol style="list-style-type: none"> 1. During preparation of plans and specifications. 2. During construction. 	

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HYD/WQ-2	<p>Avoidance and Minimization of Impacts to Existing Culverts and Stormwater Conveyance Features</p> <p>The Proposed Project will be designed to avoid existing stormwater conveyance structures to the extent feasible. Specific avoidance strategies include:</p> <ul style="list-style-type: none"> ▪ Siting splice vault structures and the riser pole structure within or immediately adjacent to Bell Bluff Truck Trail or in uplands outside of existing drainage features and the storm water conveyance system along Bell Bluff Truck Trail. ▪ Where feasible based on geotechnical investigation, avoiding culverts within Bell Bluff Truck Trail during construction of the underground transmission line by bracing or stabilizing culvert structures and excavating beneath the culvert structures to maintain culvert function. <p>Where it is infeasible to avoid impacts to existing culverts or other stormwater conveyance structures, work will not occur within 48 hours of a forecasted rain event of 0.5 inches or greater and temporary piping will be onsite to maintain any unexpected water flow. Prior to removing or impacting any existing culverts during construction, NEET West shall obtain all necessary regulatory approvals/permits from the appropriate agency (e.g., U.S. Army Corps of Engineers, CDFW, or Regional Water Quality Control Board) with jurisdiction over the features.</p> <p>Following construction, NEET West shall reinstall any temporarily removed culverts or other stormwater conveyance structures and restore work areas to preconstruction conditions.</p>	<ol style="list-style-type: none"> 1. Incorporate avoidance and minimization of impacts to existing culverts into Project design. 2. If avoidance of existing culverts/stormwater conveyance structures is infeasible, ensure work does not occur within 48 hours of forecasted rain event of 0.5 inches or greater. 3. If existing culverts/stormwater conveyance structures must be impacted, ensure all necessary permits are obtained. 4. If existing culverts/stormwater conveyance structures have been temporarily removed or impacted, reinstall and/or restore such features following construction. 	<ol style="list-style-type: none"> 1. During design phase. 2. During construction. 3. Prior to conducting work that would affect culverts/stormwater conveyance structures. 4. Following construction. 	

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Land Use and Planning				
None.				
Mineral Resources				
None.				
Noise and Vibration				
NOI-1	<p>Construction-Noise Mitigation Plan</p> <p>NEET West and/or its contractors shall develop and implement a construction-noise mitigation plan in close coordination with adjacent noise-sensitive land uses so that construction activities can be scheduled to minimize noise disturbance. The plan must be approved by the CPUC prior to the initiation of construction activities. The construction-noise mitigation plan shall consider the following available controls to reduce construction-noise levels to as low as practicable.</p> <ul style="list-style-type: none"> ▪ Equip all internal combustion-driven equipment with mufflers that are in good condition and appropriate for the equipment. ▪ Construct temporary sound barriers using plywood or similar material bearing the same sound attenuating effectiveness as plywood between portions of the construction sites and sensitive receptors. These temporary sound barriers, which could also consist of construction grade sound blankets/curtains, should be at least 12 feet in height. Sound barriers shall be used during 	<ol style="list-style-type: none"> 1. Confirm development of a construction-noise mitigation plan that meets requirements of this measure. 2. Confirm equipment and vehicles are equipped with proper noise-reducing features, and are in good operating condition. 3. Confirm proper notification of residents and sensitive receptors within 500 feet of project site. 4. Ensure that construction liaison is identified to receive noise complaints. 5. Confirm that temporary sound barriers are used to shield sensitive receptors 	<ol style="list-style-type: none"> 1. Prior to construction. 2. Prior to construction. 3. Prior to construction. 4. Prior to construction. 5. During construction. 	

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	<p>activities involving use of a rock drill, scraper, and/or blasting.</p> <ul style="list-style-type: none"> Residences or noise-sensitive land uses within 500 feet of the construction site should be notified in writing of construction at least seven (7) days prior to the onset of construction activities. A “construction liaison” contact person should be designated in the notifications; he/she would be responsible for responding to any local complaints about construction noise. The liaison would determine the cause of the noise complaints (e.g., starting too early, bad muffler, etc.) and institute reasonable measures to correct the problem. The phone number of the liaison should be conspicuously posted at the construction site. 	<p>from construction noise, particularly during use of rock drill, scraper, and/or blasting.</p>		
Population and Housing				
None.				
Public Services and Utilities				
PUB/UTL-1	<p>Fund Fair Share toward Any Necessary Fire Protection Service Improvements.</p> <p>NEET West shall coordinate with the County of San Diego, CAL FIRE, and U.S Forest Service (USFS) to determine if any additional apparatus, equipment, personnel, or facilities are necessary to provide adequate fire service to the Proposed Project. If recommended improvements or upgrades to facilities, and/or additional apparatus, equipment, or personnel are identified, NEET West shall</p>	<ol style="list-style-type: none"> Confirm coordination with County of San Diego, CAL FIRE, and USFS. If these agencies recommend improvements or upgrades, contribute the Proposed Project’s fair share toward the needed improvements. 	<ol style="list-style-type: none"> Prior to construction and operation of the Proposed Project. Prior to construction and operation of the Proposed Project. 	

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	contribute its fair share toward the attributed costs. The Proposed Project's, or NEET West's, fair share will be proportionate to its contribution to the need for improvements.			
PUB/UTL-2	<p>Diversion of Solid Waste in Accordance with San Diego County's Construction and Demolition Debris Recycling Ordinance</p> <p>NEET West and/or its contractors shall follow the requirements specified in the County of San Diego's Construction and Demolition Debris Recycling Ordinance. This will include recycling of 90 percent of inerts and 70 percent of all other construction demolition debris materials, and preparation of a Construction and Demolition Debris Management Plan (DMP). In accordance with Section 68.511 of the San Diego County Code, the DMP shall provide the following information:</p> <ol style="list-style-type: none"> 1. The type of project; 2. The total square footage of the project; 3. The estimated volume or weight of project construction and demolition debris, by material type that the project will generate; 4. The maximum volume or weight of construction and demolition debris that can feasibly be diverted via reuse or recycling; 5. The estimated volume or weight of construction demolition debris that will be disposed of in a landfill; and 	<ol style="list-style-type: none"> 1. Ensure measure is included in contract documents. 2. Confirm preparation of a DMP in accordance with applicable sections of the San Diego County Code. 3. Ensure that construction debris is diverted from the landfill in accordance with this measure. 	<ol style="list-style-type: none"> 1. During preparation of plans and specifications. 2. Prior to construction. 3. During/following construction. 	

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	6. The name and address of any person and/or recycling facility the applicant proposes to use to collect, process or receive construction and/or demolition debris the project will generate.			
Recreation				
None.				
Transportation and Traffic				
TR-1	<p>Maintain Traffic Flow NEET West or their contractor(s) shall implement the following measures:</p> <ul style="list-style-type: none"> ▪ To the extent feasible, work shall be staged and conducted in a manner that maintains two-way traffic flow on roadways in the vicinity of the work site. ▪ Heavy equipment and haul traffic shall be prohibited in residential areas to the greatest extent feasible. When no other route to and from the site is available, heavy equipment and haul traffic through residential areas shall be restricted to the hours of 8 a.m. to 5:30 p.m., Monday through Friday. 	<ol style="list-style-type: none"> 1. Confirm measure is included in contract documents. 2. Confirm that work is staged and conducted in a manner that maintains two-way traffic flow, to the extent feasible. 3. Confirm that heavy equipment movement and haul traffic conforms to requirements of this measure. 	<ol style="list-style-type: none"> 1. During preparation of plans and specifications. 2. During construction. 3. During construction. 	
TR-2	<p>Minimize Effects of Temporary Roadway Disturbances. NEET West or their contractor(s) shall implement the following measures:</p> <ul style="list-style-type: none"> ▪ Prepare and implement a Traffic Control Plan (TCP) to describe procedures to guide traffic (such as signage and flaggers), safeguard construction 	<ol style="list-style-type: none"> 1. Confirm measure is included in contract documents. 2. Confirm preparation of a TCP that complies with 	<ol style="list-style-type: none"> 1. During preparation of plans and specifications. 2. Prior to construction. 	

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	workers, provide safe passage of traffic, and minimize traffic impacts, as necessary, through the duration of construction. In the event that closure of any portion of Bell Bluff Truck Trail were to become necessary, notification shall be provided to SDG&E at least 5 days in advance of anticipated closures. In the event that road closure were to become necessary for any publicly-accessible road segment, notification shall be posted and/or circulated to the public at least 5 days in advance of anticipated closures. NEET West shall employ adequate control devices, signage, a detour route, and flaggers, as necessary, through the duration of construction.	<p>requirements of this measure.</p> <ol style="list-style-type: none"> If closure of any portion of Bell Bluff Truck Trail or a publicly-accessible road segment becomes necessary, confirm proper notification. Ensure implementation of adequate traffic control devices, signage, etc. 	<ol style="list-style-type: none"> At least 5 days in advance of anticipated closures. During construction. 	
TR-3	<p>Emergency Coordination and Access Considerations</p> <p>NEET West or their contractor(s) shall implement the following measures:</p> <ul style="list-style-type: none"> When work is conducted on roads and may have the potential to affect traffic flow, work shall be coordinated with local emergency service providers, as necessary, to ensure that emergency vehicle access and response is not impeded. Access for driveways and private roads shall be maintained to the extent feasible. If brief periods of construction work would temporarily block access, property owners shall be notified prior to construction activities. If closure of any portion of Bell Bluff Truck Trail is necessary during Project construction, NEET West shall have staff available on-site at all times to place plates over open trenches, move construction 	<ol style="list-style-type: none"> Ensure measure is incorporated into contract documents. If necessary, ensure proper coordination with emergency service providers to ensure access and response is not impeded. Confirm emergency access for driveways and private roads is maintained to the extent feasible. Confirm that staff is available on-site at all times to place plates over open 	<ol style="list-style-type: none"> During preparation of plans and specifications. Prior to conducting work on roads that could affect traffic flow. During construction. During construction. 	

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	equipment, or clear any other obstructions to allow for 24-hour emergency vehicle access to SDG&E facilities.	trenches, take other appropriate access to allow for 24-hour emergency vehicle access to SDG&E facilities.		

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