

California Public  
Utilities Commission  
**Salt Creek**  
**Substation Project**  
Mitigation Monitoring,  
Compliance, and  
Reporting Program

MAY 2016



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## LIST OF ACRONYMS AND ABBREVIATIONS

### LIST OF ACRONYMS AND ABBREVIATIONS

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|          |  |
|----------|--|
| APM      | applicant proposed measure                               |
| BMP      | best management practice                                 |
| Cal-IPC  | California Invasive Plant Council                        |
| CCR      | California Code of Regulations                           |
| CDFW     | California Department of Fish and Wildlife               |
| Cal Fire | California Department of Forestry and Fire Protection    |
| Caltrans | California Department of Transportation                  |
| CEQA     | California Environmental Quality Act                     |
| CESA     | California Endangered Species Act                        |
| CFR      | Code of Federal Regulations                              |
| CGP      | Construction General Permit                              |
| CHRIS    | California Historical Resources Information System       |
| CPUC     | California Public Utilities Commission                   |
| CRMMP    | Cultural Resources Monitoring and Management Plan        |
| CSMP     | Construction Site Monitoring Program                     |
| EI       | Environmental Inspector                                  |
| EIR      | Environmental Impact Report                              |
| EM       | Environmental Monitor                                    |
| ESA      | Endangered Species Act                                   |
| ETP      | Environmental Training Program                           |
| FAA      | Federal Aviation Administration                          |
| FRAP     | Fire and Resource Assessment Program                     |
| GCB      | gas circuit breaker                                      |
| GIS      | geographic information systems                           |
| HPTP     | Historic Properties Treatment Plan                       |
| HSMER    | Hazardous Substance Management and Emergency Response    |
| kV       | kilovolt   |
| LSAA     | Lake and Streambed Alteration Agreement                  |
| MLD      | Most Likely Descendant                                   |
| MM       | mitigation measure                                       |
| MMCRP    | Mitigation Monitoring, Compliance, and Reporting Program |
| MMRP     | Mitigation Monitoring and Reporting Plan                 |
| MPR      | Minor Project Refinement                                 |
| NAHC     | Native American Heritage Commission                      |

## LIST OF ACRONYMS AND ABBREVIATIONS

|                 |   |
|-----------------|---|
| NAL             | Numeric Action Level                            |
| NCCP            | Natural Community Conservation Plan             |
| NOT             | Notice of Termination                           |
| NPDES           | National Pollutant Discharge Elimination System |
| NTP             | Notice to Proceed                               |
| O&M             | Operation and maintenance                       |
| PCA             | Pest Control Advisor                            |
| PEA             | Proponent's Environmental Assessment            |
| PRC             | Public Resources Code                           |
| PRD             | Permit Registration Documents                   |
| PTC             | Permit to Construct                             |
| QCB             | Quino checkerspot butterfly                     |
| QRE             | qualifying rain event                           |
| ROW             | right-of-way                                    |
| RWQCB           | San Diego Regional Water Quality Control Board  |
| SDAPCD          | San Diego Air Pollution Control District        |
| SDCWA           | San Diego County Water Authority                |
| SDG&E           | San Diego Gas and Electric Company              |
| SDRWQCB         | San Diego Regional Water Quality Control Board  |
| SF <sub>6</sub> | sulfur hexafluoride                             |
| SPCC            | Spill Prevention, Control, and Countermeasure   |
| SVP             | Society of Vertebrate Paleontology              |
| SWCRB           | State Water Resources Control Board             |
| SWPPP           | Stormwater Pollution and Prevention Plan        |
| TL6965          | transmission line 6965                          |
| TMP             | Transportation Management Plan                  |
| US              | United States                                   |
| USACE           | US Army Corps of Engineers                      |
| USFWS           | US Fish and Wildlife Service                    |
| VOC             | Volatile organic compound                       |
| WDWD            | Wastewater Discharger Identification            |
| WBO             | Western burrowing owl                           |



# 1 INTRODUCTION

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## 1.1 PROJECT OVERVIEW

San Diego Gas and Electric Company (SDG&E) submitted an application to the California Public Utilities Commission (CPUC) on September 25, 2013, for a Permit to Construct (PTC) the proposed Salt Creek Substation Project (proposed project). The application included the Proponent's Environmental Assessment (PEA) prepared pursuant to Rule 2.4 of the CPUC's Rules of Practice and Procedure. The proposed project included the construction and operation of the Salt Creek Substation and a new power line 6965 (TL 6965) in the City of Chula Vista (City) and San Diego County (County), California.

The CPUC prepared a Draft Environmental Impact Report (EIR) pursuant to the California Environmental Quality Act (CEQA), the amended State CEQA Guidelines (14 California Resources Code 15000 et seq.), and the CPUC CEQA rules (Rule 2.4), to address the potential impacts of the project on the environment. On May 15, 2015, the CPUC issued a Draft EIR. The Draft EIR provided information about the environmental setting and impacts of the proposed project and three alternatives. A 45-day public review period for the Draft EIR ended on June 29, 2015. Responses to all comments received on the Draft EIR were included in a Final EIR that also included changes to the Draft EIR based on the comments that were received.

The CPUC adopted the EIR (State Clearinghouse No. 2014081032) and selected Alternative 2 of the project, which is the Environmentally Superior Alternative, on May 12, 2016, in accordance with CEQA Public Resources Code (PRC) §21080. Alternative 2 of the project includes construction of the Salt Creek Substation and does not include construction of TL 6965, as described in the EIR. Alternative 2 would not require the use of offsite staging yards identified in the EIR. All materials and equipment would be staged at the Salt Creek Substation site or at existing SDG&E storage yards. Maps of the approved project are located in Appendix A.

## 1.2 MONITORING PROGRAM

### 1.2.1 Authority

SDG&E is required to implement applicant proposed measures (APMs) and mitigation measures (MMs) adopted in the EIR, as well as to obtain and implement various agency permits applicable to the project. The CPUC is the lead agency under CEQA and responsible for monitoring and enforcing compliance with these requirements. The CPUC is required to adopt a reporting or monitoring program to ensure adequate implementation of and compliance with mitigations adopted in the EIR pursuant to PRC § 21081.6 and Section 15097 of the CEQA Guidelines. Chapter 9 of the EIR included a Mitigation Monitoring and Reporting Plan (MMRP)

# 1 INTRODUCTION

that describes a recommended framework for preparing and implementing a Mitigation Monitoring, Compliance, and Reporting Program (MMCRP) prior to construction of the project. The MMCRP was prepared pursuant to the framework described in Chapter 9 of the EIR, and in accordance with PRC §21081.6 and Section 15097 of the CEQA Guidelines. The MMCRP shall be implemented until the final monitoring and reporting procedures identified in the following sections have been completed to the satisfaction of the CPUC.

## 1.2.2 Purpose

The purpose of the MMCRP is to:

- Summarize the mitigation and reporting requirements identified in the EIR
- Organize the requirements by category and implementation phase
- Describe procedures for SDG&E and CPUC and their contractors to follow
- Ensure impacts to the environment addressed in the EIR are adequately mitigated as required by CEQA.

## 1.2.3 Components

The MMCRP addresses the following topics to facilitate the mitigation monitoring effort:

- Specific project requirements and implementation procedures from the EIR
- Summary of requirement categories and implementation phases
- Tracking table tools for project requirements
- Roles and responsibilities for SDG&E and CPUC personnel, including their contractors, who are responsible for implementing the MMCRP
- Procedures for SDG&E and CPUC personnel, including their contractors, to address common management considerations that are expected, or issues that may arise

## 1.2.4 Schedule

### 1.2.4.1 Construction

The estimated construction schedule for the project substation and duration of work for key features is presented in Table 1.2-1. The estimated start date for construction is June 2016 with completion of construction by June 2018. Project components listed in Table 1.2-1 would be constructed concurrently to allow for construction of the entire project in 18 to 24 months.

**Table 1.2-1 Construction Schedule**

| Project Component                              | Estimated Duration |
|--|--------------------|
| Salt Creek Substation                          | 18 to 24 months    |
| TL 6910 Loop-in                                | 6 months           |
| Underground 12-kilovolt (kV) Distribution Line | 8 months           |
| Total Construction Period                      | 18 to 24 months    |

# 1 INTRODUCTION

## 1.2.4.2 MMCRP Implementation

The MMCRP implementation schedule is presented in Table 1.2-2. Implementation of the MMCRP will end when CPUC determines there is no further need for CPUC monitoring of the project. SDG&E is required to perform post-construction monitoring for the project to satisfy APM and MM requirements that are listed in Table B-1: APM and MM Implementation Table located in Appendix B. It is expected that post-construction monitoring and implementation of the MMCRP will continue through the majority of the full duration of SDG&E's post-construction monitoring period.

**Table 1.2-2 MMCRP Monitoring Schedule**

| Project Component                   | Estimated Duration | Estimated Timing        |
|-------------------------------------|--------------------|-------------------------|
| Prior to Construction <sup>1</sup>  | 5 months           | January 2016 – May 2016 |
| Construction                        | 18 to 24 months    | June 2016 – May 2018    |
| Following Construction <sup>2</sup> | 5 years            | June 2018 – June 2023   |

Notes:

<sup>1</sup> Includes development of the MMCRP and review of project plans and other requests submitted by SDG&E prior to construction.

<sup>2</sup> SDG&E is required to monitor vegetation establishment for 5 years after planting as required by MM Aesthetics-1.

## 2 SCOPE OF THE PROGRAM

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### 2.1 CEQA MITIGATION

The project is subject to APMs and MMs identified in the EIR that are collectively referred to as CEQA mitigation. Table B-1 located in Appendix B lists all APMs and MMs that are applicable to the approved project. Table B-1 is a modified version of the table included in Chapter 9 of the EIR and is the core component of the MMCRP<sup>1</sup>. Table B-1 includes the following information:

- APM and MM IDs
- Full text of the APMs and MMs
- SDG&E's implementation requirements
- CPUC's verification and enforcement responsibilities
- Effectiveness criteria for determining the success of implementation
- Applicable timing and location for implementation
- Applicable implementation phases
- Requirement categories and tracking table references (addressed in Sections 2.5: Requirement Categories and 4.5: Tracking Tables)

### 2.2 PERMITS AND AUTHORIZATIONS

Federal, state, and local agencies have jurisdiction over lands and resources in the project area. Potentially applicable permits for the proposed project were addressed in the EIR Project Description, and several APMs and MMs include requirements to obtain permits and/or agency authorizations. SDG&E may be required to obtain permits or authorization to complete various aspects of construction from the following agencies:

- California Department of Fish and Wildlife (CDFW)
- City of Chula Vista
- San Diego Air Pollution Control District (SDAPCD)
- San Diego County Water Authority (SDCWA)

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<sup>1</sup> The Chapter 9 MMRP table published with the Final EIR included 14 measures that do not apply to Alternative 2, which include AES-3, MM Aesthetics-4, Optional Measure Aesthetics-1, MM Biology-4, MM Biology-5, MM Biology-10, MM Biology-11, APM CUL-3, MM Hydro-1, APM NOISE-2, MM Noise-3, MM Noise-4, MM Traffic-1, and MM Traffic-4. These measures were omitted from Table B-1. In addition, APM AES-1 and Optional Measure Biology-1 would not apply to Alternative 2 because SDG&E would not utilize off-site staging yards identified in the EIR.

## 2 SCOPE OF THE PROGRAM

- San Diego Regional Water Quality Control Board (RWQCB)
- State Water Resources Control Board (SWRCB)
- US Fish and Wildlife Service (USFWS)

### 2.3 MMCRP PROCEDURES

SDG&E and CPUC, including their contractors, are required to implement MMCRP procedures described in Section 4: Procedures.

### 2.4 IMPLEMENTATION PHASES

The requirement summary tables in the MMCRP identify the implementation phases that are applicable to each CEQA mitigation requirement. Implementation phases for the project include the following:

1. Prior to Construction (Preconstruction)
2. During Construction (Construction)
3. Following Construction (Post-construction)
4. Operation and Maintenance (O&M)

### 2.5 REQUIREMENT CATEGORIES

MMCRP mitigation requirements are separated into eight categories, which are applicable during one or more of the implementation phases listed in Section 2.4. This section describes the types of mitigation requirements and how they will be monitored through implementation of the MMCRP. Requirement categories for the project include the following:

1. Permits and Authorizations: requires a permit or authorization from another agency
2. Plans: requires SDG&E to submit a plan to the CPUC or other agencies
3. Notifications: requires SDG&E to notify the public or other agencies prior to an activity
4. Worker Training: requires training of workers to address environmental resources
5. Surveys: requires surveys prior to or during construction to avoid or minimize impacts on resources
6. Monitoring: requires monitoring of specific resources during construction to avoid or minimize impacts
7. Avoidance and Minimization: requires specific activities to avoid or minimize impacts on resources
8. Reporting: requires reporting to the CPUC and potentially other agencies

Table B-1 lists applicable requirement categories and tracking table references for each APM and MM (addressed in Section 4.5: Tracking Tables).

## 2 SCOPE OF THE PROGRAM

### 2.5.1 Permits and Authorizations

As described in Section 2.2, SDG&E is required to obtain permits and authorizations from jurisdictional agencies. Table C-1, located in Appendix C, summarizes permit and agency authorizations that may be required to construct the project, and describes the associated purpose and trigger when they would be required. Table C-1 will be used to track the status of permits and agency authorizations, as described in Section 4.5: Tracking Tables.

Some permits for the project include their own subset of requirements, including notifications, worker training, monitoring, impact avoidance and minimization measures, and reporting. Where applicable, permit requirements have been incorporated into the associated requirement tracking tables addressed in this section and located in Appendix C.

### 2.5.2 Plans

Several APMs and MMs in Table B-1 require SDG&E to develop plans to guide the implementation of complex mitigation requirements prior to, during, and following construction. APMs and MMs for the project address the following types of plans:

- Aesthetic mitigation plans
- Biological resources management plans
- Cultural or paleontological resource management plans
- Stormwater runoff and pollution prevention plans
- Air quality plans
- Transportation plans
- Safety and hazard plans
- Vegetation salvage, planting, and restoration plans

Table C-2, located in Appendix C, lists required plans, when they are required, and agency review and approval dates. Table C-2 will be used to track the status of plans for the project and will be updated on an ongoing basis throughout implementation of the MMCRP. Plan requirements will be complete when the tracking table is fulfilled and the plans have been implemented through their final phase.

Project plans require varying levels of review from jurisdictional agencies; however, CPUC review and approval is required for all final versions of plans identified in Table C-2. If agency review of a plan is required, SDG&E must submit each agency's comments to the CPUC so the CPUC may verify that the comments were adequately addressed. If plans are revised following CPUC approval, the revised plans must be recirculated for review and comment to all agencies with applicable oversight responsibilities.

Some project plans include their own subset of requirements, including notifications, worker training, monitoring, impact avoidance and minimization measures, and reporting. Where applicable, plan requirements have been incorporated into the associated requirement tracking tables addressed in this section and located in Appendix C.

## 2 SCOPE OF THE PROGRAM

### 2.5.3 Notifications

SDG&E is responsible for notifying members of the public, sensitive receptors, and other utilities that may be affected by construction. SDG&E is also required to notify the CPUC and entities at certain stages of the project or under specific conditions to ensure that stakeholders are aware of important project information. Table C-3, located in Appendix C, lists required notifications, entities to notify, and the dates of notification.

Table C-3 will be used to track the status of required notifications for the project and will be updated on an ongoing basis throughout implementation of the MMCRP. Notification requirements will be complete when the tracking table is fulfilled and SDG&E provides adequate documentation to the satisfaction of the CPUC.

MMCRP procedures addressed in Section 4 include notification timelines for certain events. These notifications will be tracked separately from the notifications addressed in Table C-3.

### 2.5.4 Worker Training

Multiple APMs, MMs, and project plans require SDG&E to develop an environmental training program (ETP) (sometimes referred to as a worker education awareness program). The purpose of the ETP is to educate workers about the environmental resources in the project area and impact avoidance and minimization requirements. Worker training requirements are listed in Table 2.5-1.

All project personnel, including construction workers and compliance monitoring workers, must participate in the ETP prior to working on the project site. Personnel that have not participated in the ETP must be escorted by a designated SDG&E or CPUC representative who has received the full ETP training.

**Table 2.5-1 Worker Training Requirements**

| Requirement Sources  | Training Topics  |
|--|--|
| APM BIO-1<br>Burrowing Owl Monitoring and Mitigation Plan              | Description and photos of western burrowing owl, discussion of the federal and state laws pertaining to western burrowing owl, and a description of impact avoidance and minimization measures         |
| APM BIO-2  | Compliance with SDG&E's Subregional Natural Communities Conservation Plan (NCCP)   |
| MM Biology-1a  | Special-status plants, wildlife species, and sensitive habitats that could occur within the project area, the protection afforded to those resources, and required avoidance and minimization measures |
| APM CUL-1<br>Cultural Resources Monitoring and Management Plan (CRMMP) | Cultural and paleontological resources   |
| APM GHG-1  | Safe and proper handling of sulfur hexafluoride (SF <sub>6</sub> )   |

## 2 SCOPE OF THE PROGRAM

| Requirement Sources  | Training Topics   |
|--|---|
| APM HAZ-1  | Prevention of oil spills or leaks from leaving the site and reaching waterways                    |
| APM HAZ-3<br>Fire Plan   | Fire prevention and suppression methods   |
| APM HYDRO-1<br>Stormwater Pollution and Prevention Plan (SWPPP)<br>Spill Prevention, Control, and Countermeasure (SPCC) Plan<br>Hazardous Substance Management and Emergency Response (HSMER) Plan | Stormwater runoff, sediment and erosion control, and hazardous materials pollution and prevention |
| MMCRP  | MMCRP roles, responsibilities, and procedures   |

### 2.5.4.1 Levels of Training

Due to variations in the types of workers and duration of time they may spend on site, three levels of training may be provided, each with graduated levels of access to the project site. Access to some site locations may be restricted to those who have had the appropriate level of training.

Two limited training levels are acceptable for delivery drivers and site visitors. Delivery drivers who have limited site access and would only be on site for a short time may receive a shortened training that is focused on select resources and hazards with which they may come into contact. Similarly, site visitors may receive a shortened training, but must be escorted by a designated SDG&E or CPUC representative who has received the full training. Workers that receive a limited training must complete the full training before accessing the site without an escort.

### 2.5.5 Surveys

Multiple APMs and MMs, as well as project permits and plans, require SDG&E to complete pre-construction and post-construction surveys for resources or invasive species identified in the EIR. Survey requirements by resource/topic are summarized in Table 2.5-2.

SDG&E is required to submit pre-construction survey results to USFWS, CDFW, and CPUC for review and acceptance prior to initiating construction or any other site development activities. SDG&E shall provide documentation of USFWS and CDFW acceptance of pre-construction surveys to CPUC prior to initiating construction.

Surveys must be completed by qualified individuals. Personnel conducting surveys for several resources must also be approved by the CPUC. Surveyor requirements are the same as those described for specialty monitors addressed in Section 2.5.6.



## 2 SCOPE OF THE PROGRAM

**Table 2.5-2 Surveys**

| Resource/Topic                 | Requirement Sources  | Pre-construction <sup>1</sup> | During Construction  | Post-construction                                  |
|--------------------------------|--|-------------------------------|--|--|
| Special-status wildlife        | APM BIO-2<br>MM Biology-1a<br>SDG&E Subregional NCCP   | Yes (once)                    | Yes (ongoing)  | Yes (once)   |
| Western burrowing owl          | APM BIO-1<br>Burrowing Owl Monitoring and Mitigation Plan  | Yes (once)                    | —  | —  |
| Nesting birds                  | MM Biology-6   | Yes (once)                    | Yes (approximately weekly between February 15 and August 31)         | —  |
| Western yellow bat             | MM Biology-7   | Yes (once)                    | Yes (as needed if suitable habitat trees will be trimmed or removed) | —  |
| San Diego desert woodrat       | MM Biology-8   | Yes (once)                    | —  | —  |
| Rare and special-status plants | APM BIO-2<br>MM Biology-1a<br>SDG&E Subregional NCCP<br>Special-Status Plants Mitigation and Monitoring Plan | Yes (once)                    | Yes (annually at the salvage relocation site only)                   | Yes (annually at the salvage relocation site only) |
| Invasive weeds                 | MM Biology-3   | Yes (once)                    | —  | —  |
| Temporarily Disturbed Areas    | APM BIO-4  | —                             | —  | Yes (once)   |
| Cultural resources             | APM CUL-2<br>MM Cultural Resources-1<br>MM Cultural Resources-2<br>MM Cultural Resources-3<br>CRMMP          | —                             | Yes (as needed if additional work areas are necessary)               | —  |
| Paleontological resources      | APM CUL-4<br>APM CUL-5<br>APM CUL-6<br>MM Paleontology-1   | --                            | Yes (as needed if additional work areas are necessary)               | --   |

## 2 SCOPE OF THE PROGRAM

| Resource/Topic                 | Requirement Sources | Pre-construction <sup>1</sup> | During Construction | Post-construction |
|--------------------------------|---------------------|-------------------------------|---------------------|-------------------|
| Existing underground utilities | MM Hazards-1        | Yes (once)                    | —                   | —                 |

Notes:

<sup>1</sup> If construction is delayed for more than 30 days, pre-construction surveys may need to be repeated, as determined through coordination with CPUC, USFWS, and CDFW.

Table C-4, located in Appendix C, lists the timing and frequency of required surveys, and will serve as an implementation table for these requirements. Table C-4 will be used to track the status and results of surveys and clearances, and also address the need for any monitoring or avoidance and minimization requirements due to the presence of a resource. Table C-4 will be updated on an ongoing basis throughout implementation of the MMCRP. Survey requirements will be complete when SDG&E provides adequate documentation that surveys were completed.

### 2.5.6 Monitoring

In addition to the general mitigation monitoring effort addressed in the MMCRP, SDG&E is required to assign specific on-site monitoring duties to select personnel. Several project APMs and MMs include specific on-site monitoring requirements that must be performed during or following construction to ensure impacts to resources are reduced or avoided. There are two types of monitoring requirements for the project, specialty monitoring and general monitoring, which are both discussed further below.

Monitoring requirements may depend on the presence of sensitive resources identified during surveys listed in Table 2.5-2. The results of surveys and presences of resources will be tracked in Table C-4.

#### 2.5.6.1 Specialty Monitoring

Specialty monitors are required to perform the majority of the monitoring requirements for the project. Personnel performing these tasks must meet the minimum qualifications identified in the associated APMs and MMs. In addition, agency approval is required for many of the specialty monitors performing these roles. Specialty monitor requirements are listed in Table 2.5-3. Specialty monitors assigned by SDG&E and approved by the applicable agencies will be listed in Table D-2 located in Appendix D.

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**Table 2.5-3 Specialty Monitors**

| Monitor Type                            | Requirement Sources   | Minimum Qualifications <sup>1</sup>  | Required Agency Approval |
|---|---|--|--------------------------|
| Wildlife biologists                     | APM BIO-2<br>MM Biology-1a<br>MM Biology-6<br>MM Biology-7<br>MM Biology-8<br>SDG&E Subregional NCCP  | B.A. or B.S. in wildlife biology, wildlife ecology, ornithology, or wildlife management, and two years of field experience applicable to key special-status species known to occur in the project area (e.g., nesting birds, western yellow bat, San Diego desert woodrat), as well as natural vegetation communities in the region  | CPUC                     |
| Western burrowing owl (WBO) biologists  | APM BIO-1<br>Burrowing Owl Monitoring and Mitigation Plan   | B.A. or B.S. in wildlife biology, wildlife ecology, ornithology, or wildlife management, and two seasons of experience working with WBO; or has been mentored or supervised for at least one field season by a biologist with extensive field experience with WBO and two seasons of experience working with WBO<br><br>*If passive relocation is required, the WBO biologist overseeing the work must have experience with burrow excavation and identifying the presences of western burrowing owl | CDFW                     |
| Botanists                               | APM BIO-2<br>MM Biology-1a<br>MM Biology-3<br>MM Biology-1b<br>SDG&E Subregional NCCP<br>Salvage and Relocation Plan for Special-Status Plants<br>Landscape and Irrigation Plan | At least a B.A. or B.S. in botany, plant ecology, or horticulture, and two years of experience with field botany or native plant restoration, and familiar with native and invasive plants in the region   | CPUC                     |
| Aquatic/hydrologic resource specialists | APM HYDRO-1<br>MM Geology-1<br>Landscape and Irrigation Plan<br>SWPPP   | At least a B.A. or B.S. in biology, hydrology, restoration or resource science field, and two years of experience with site restoration  | N/A                      |

## 2 SCOPE OF THE PROGRAM

| Monitor Type   | Requirement Sources  | Minimum Qualifications <sup>1</sup>  | Required Agency Approval |
|--|--|--|--------------------------|
| SDG&E reclamation specialists and/or SWPPP monitors  | APM HYDRO-1<br>MM Geology-1<br>MM Biology-11<br>Landscape, Irrigation, and Temporary Work Area Restoration Plan<br>SWPPP | Reclamation and restoration monitoring qualifications should include a degree in geology, hydrology, or a restoration field, and two years of applicable experience<br><br>SWPPP monitoring requires an active QSD or QSP license from the California Stormwater Quality Association | N/A                      |
| Cultural resource specialists/archaeologists   | APM CUL-2<br>MM Cultural Resources-1<br>MM Cultural Resources-2<br>MM Cultural Resources-3<br>CRMMP                      | At least a B.A. or B.S. in archeology and two years of applicable experience   | CPUC                     |
| Paleontologists  | APM CUL-5<br>APM CUL-6<br>MM Paleontology-1  | At least a B.A. or B.S. in paleontology and two years of applicable experience   | CPUC                     |
| Native American monitors   | MM Cultural Resources-4  | Designated by applicable Native American tribes identified during consultation prior to construction   | N/A                      |
| Fire management specialists  | APM HAZ-3<br>SDG&E Project Fire Plan   | Qualified for the position and designated by SDG&E   | N/A                      |
| Notes:   |  |  |                          |
| <sup>1</sup> Minimum qualifications for specialty monitors are specified in the applicable requirement sources. When no specific qualifications were identified, it is expected the individuals performing specialty monitoring will have at least a B.A. or B.S. in a relevant field and sufficient experience and/or training to performing the required monitoring duties adequately. |  |  |                          |
| * Requirements marked with an asterisks are only applicable under specified conditions.  |  |  |                          |

### 2.5.6.2 General Monitoring

Any qualified and designated personnel may perform monitoring tasks where there is no discipline or agency approval requirements specified. General monitor requirements are listed in Table 2.5-4. Personnel performing these roles will be provided training beyond the minimum worker training requirements included in the ETP addressed in Section 2.5.4.

**Table 2.5-4 General Monitors**

| Monitor Type   | Requirement Sources      | Training/Designation Requirements  |
|--|--------------------------|--|
| SDG&E designated public liaison and outreach personnel | MM Noise-1<br>MM Noise-2 | SDG&E-designated and trained personnel, and familiar with project requirements |

## 2 SCOPE OF THE PROGRAM

| Monitor Type  | Requirement Sources  | Training/Designation Requirements                                   |
|---|--|---|
| Daily construction work areas clearances for wildlife | APM BIO-2<br>MM Biology-1a<br>SDG&E Subregional NCCP                           | SDG&E-designated and trained personnel (excavation inspection only) |
| Fire watch and fire patrol                            | APM HAZ-3<br>SDG&E Project Fire Plan   | SDG&E-designated and trained personnel                              |
| Dust generation and minimization                      | APM AIR-1<br>APM AIR-2<br>MM Air-1<br>MM GHG-1<br>Dust Control Management Plan | SDG&E-designated and trained personnel                              |
| Trail impacts and signage                             | MM Recreation-1<br>MM Recreation-2   | SDG&E-designated and trained personnel                              |

### 2.5.7 Avoidance and Minimization

All APMs and MMs, as well as project permits and plans, contain general impact avoidance and minimization goals; however, some requirements from these sources include specific actions to implement if resources are identified during pre-construction surveys or construction clearances. This section addresses avoidance and minimization requirements that will be implemented during construction and restoration activities to avoid or minimize impacts to resources that are present. Impact avoidance and minimization requirements for the project can be summarized by the following actions:

- Avoiding sensitive areas by communicating to workers and through the installation of signs, flagging, and/or barriers
- Avoiding sensitive periods or seasons (e.g., nighttime, wet season, or reproductive seasons)
- Using specific work techniques, materials, or equipment known to reduce impacts
- Scheduling work activities during less sensitive periods or seasons
- Providing ongoing reminders and environmental training to workers

The applicability of avoidance and minimization requirements may depend on the presence of sensitive resources identified during surveys listed in Table 2.5-2. The results of surveys and presences of resources will be tracked in Table C-4.

### 2.5.8 Reporting

Reporting is a key element of the MMCRP and both SDG&E and CPUC are required to prepare MMCRP reports at varying frequencies and periods. SDG&E is also required to report specific compliance activities as identified in applicable APMs and MMs, as well as project permits and plans. Table 2.5-5 lists SDG&E's reporting requirements for the project. CPUC's reporting requirements are listed in Table 2.5-6.

## 2 SCOPE OF THE PROGRAM

**Table 2.5-5 SDG&E Reporting**

| Report   | Preparation/Submittal Frequency  | Requirements <sup>1</sup> | Contents  |
|--|--|---------------------------|---|
| <b>Prior to Construction</b>                     |  |                           |   |
| Pre-Project Trail Condition Report               | N/A (Completed February 9, 2016)   | MM Recreation-1           | Report documented the condition of trails in the project area that may be impacted by the project   |
| Pre-Activity Survey Report                       | Survey conducted no more than 30 days prior to construction<br>Prepared and submitted to USFWS, CDFW, and CPUC no less than 7 days prior to construction | MM Biology-1a             | Detailed description of the project, survey characteristics, evaluation of habitat, resources present, proposed work activities, anticipated impacts, proposed avoidance and minimization methods to avoid or reduce disturbance, and proposed monitoring   |
| <b>During Construction</b>                       |  |                           |   |
| Daily Compliance Reports                         | Prepared daily and submitted to CPUC upon request during construction  | MMCRP                     | Detailed description of the construction and compliance activities, as well as any issues, resolutions, and MMCRP procedures implemented, for each work day<br>Reports should include supporting photographs  |
| Weekly Compliance Summary Reports and Checklists | Prepared and submitted to CPUC weekly during construction  | MMCRP                     | Summary of Daily Compliance Reports with supporting photographs, a completed compliance checklist form (addressed in Section 4.1.3 and located in Appendix E), and a description of any important meetings during the reporting period. Any Incident Reports and supporting documentation shall be attached |
| Incident Reports                                 | Prepared and submitted to CPUC within one business day of observation  | MMCRP                     | Detailed description of incidents as described in Section 4.4.4.  |
| Monthly ETP Logs                                 | Information collected daily and submitted to CPUC monthly during construction  | MM Biology-1a             | Training logs and sign-in sheets for staff who have participated in the ETP, including their training level (refer to Section 2.5.4.1)  |
| Monthly Wash Logs                                | Information collected daily and submitted to CPUC monthly during construction  | MM Biology-3              | Log documenting that construction vehicles and equipment used for ground disturbing activities were washed prior to entering the project site, including the date, time, location, type of equipment, washing methods, and signature of responsible staff   |

## 2 SCOPE OF THE PROGRAM

| Report                            | Preparation/Submittal Frequency   | Requirements <sup>1</sup> | Contents  |
|-----------------------------------|---|---------------------------|---|
| Monthly Noise Complaint Reports   | Information collected daily and submitted to CPUC monthly during construction   | MM Noise-1                | Description of noise complaints received during construction, complaining party information, and response to the complaints including name of responder   |
| Nesting Bird Reports <sup>2</sup> | Information collected daily/as needed and submitted to USFWS, CDFW, and CPUC monthly during construction occurring within the avian nesting season (generally between February 15 and August 31)<br><br>Annual summary reports shall be prepared and submitted to USFWS, CDFW, and CPUC during construction for each nesting season | MM Biology-6              | Description of nests identified during the monthly reporting period including the location, species, exclusion buffer, construction activities within buffers, and monitoring observations. Report should include a map of the locations and buffers<br><br>Annual summary of all avian-related monitoring results and outcomes |
| Landscape Monitoring Reports      | Prepared and submitted to CPUC quarterly for the first year after installation, bi-annually during spring and fall for 5 years or until the success criteria have been met <sup>3</sup>   | MM Aesthetics-1           | Documentation of plant mortality and replacement activities, including photos of vegetation cover from a minimum of eight representative locations  |

## 2 SCOPE OF THE PROGRAM

| Report  | Preparation/Submittal Frequency   | Requirements <sup>1</sup>  | Contents   |
|---|---|--|--|
| CRMMP Reports                                       | <p>Weekly archeological monitoring summary reports prepared and submitted to CPUC during periods of monitoring, as well as a monthly verification report, as described in the CRMMP</p> <p>Following completion of all archeological monitoring a post-construction monitoring report will be submitted to CPUC</p> <p>*If inadvertent discoveries occur additional reporting may be required per the CRMMP</p> | <p>CRMMP</p> <p>APM CUL-2</p> <p>MM Cultural Resources-1</p> <p>MM Cultural Resources-2</p> <p>MM Cultural Resources-3</p> | <p>The location of archaeological monitoring activities for the reporting period and a description of any cultural resources observed and actions taken.</p> <p>Description of the monitoring program and the findings and results; a detailed professional description, analysis, and evaluation of any cultural resources that were encountered and evaluated during construction.</p> <p>*If necessary, documentation of inadvertent discoveries, avoidance and minimization methods, data recovery procedures and results, and monitoring and outcomes</p> |
| *Fossil Recovery Report                             | *Prepared and submitted to CPUC as needed if fossils are discovered and recovery is necessary   | APM CUL-6  | Description of the methods used, stratigraphy exposed, fossils collected, and significance of recovered fossils. The report shall also include an itemized inventory of all collected and catalogued fossil specimens  |
| SWPPP Visual Inspection and Storm Reports           | Prepared for each qualifying rain event (QRE) (0.5 inch or more of precipitation within a 48 hour or greater period between rain events) and quarterly for non-stormwater discharges. Submitted to the Regional Water Board and CPUC upon request until SWPPP coverage is complete <sup>4</sup>   | APM HYDRO-1<br>SWPPP   | Visual inspection observations, proposed erosion and sediment control details, any corrective actions, the results of water quality sampling, and analysis of stormwater discharges associated with the project site.  |
| SWPPP Numeric Action Level (NAL) Exceedance Reports | Prepared when values for parameters for pH and turbidity are exceeded and submitted to the Regional Water Board and CPUC upon request   | SWPPP  | Sampling methodology, a description of the best management practices (BMPs) associated with the sample that exceeded the NAL and the proposed corrective actions taken   |



## 2 SCOPE OF THE PROGRAM

| Report                              | Preparation/Submittal Frequency  | Requirements <sup>1</sup>     | Contents  |
|-------------------------------------|--|-------------------------------|---|
| SWPPP Annual Reports                | Prepared annually for each year of SWPPP coverage and submitted to CPUC upon request until SWPPP coverage is complete <sup>4</sup> | APM HYDRO-1<br>SWPPP          | Worker training information, stormwater data, evaluations, required forms, a summary of all corrective actions taken during the compliance year, and Identification of any compliance activities or corrective actions that were not implemented.   |
| <b>Following Construction</b>       |  |                               |   |
| NCCP Post-Construction Report       | Prepared and submitted to USFWS, CDFW, and CPUC once following construction  | Subregional NCCP<br>APM BIO-2 | Summary of site enhancement or credit withdrawal from SDG&E mitigation bank credits for the project   |
| NCCP Annual Report                  | Prepared and submitted to USFWS CDFW annually  | Subregional NCCP<br>APM BIO-2 | Documentation of mitigation credit calculations consistent with the findings in the Post-Construction Report  |
| Post-Project Trail Condition Report | Prepared and submitted to CPUC once within 90 days following construction  | MM Recreation-1               | Documentation of trail restoration and comparison with the Pre-Activity Survey Report   |
| Post-Construction Compliance Report | Prepared and submitted to CPUC once within 90 days following construction  | MMCRP                         | Summary of all construction and compliance activities that occurred prior to and during construction, summary of issues and resolutions, discussion of project outcomes and any lessons learned for future projects, and a status update for all project requirements (Table B-1 and requirement tracking tables) |

**Notes:**

<sup>1</sup> Refer to the referenced measures for additional details regarding reporting requirements.

<sup>2</sup> Monthly Nesting Bird Reports are not required if work does not occur within the preliminary buffers during the month as specified in MM Biology-6.

<sup>3</sup> Landscape Monitoring Reports will be initially required after installation during the construction phase and will then continue into the post-construction restoration phase.

<sup>4</sup> SWPPP coverage and reporting requirements typically begin with the start of construction and extend into the post-construction restoration period. SWPPP coverage ends when the project site is stabilized, disturbed areas reach a minimum of 70% vegetation coverage, and Notice of Terminations (NOTs) have been filed ending SWPPP coverage. SWPPP reports and other documents are submitted to the SWRCB via the SMARTS website, and can be downloaded by entering the project Wastewater Discharger Identification (WDID) Number located in the SWPPP.

\* Requirements marked with an asterisks are only applicable under specified conditions.

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**Table 2.5-6 CPUC Reporting**

| Report                                 | Preparation Frequency   | Requirements | Contents  |
|--|---|--------------|---|
| Daily Inspection Reports               | Prepared daily and submitted to CPUC upon request during construction | MMCRP        | Detailed description of the construction and compliance activities, as well as any issues, resolutions, and MMCRP procedures implemented, for each day CPUC Environmental Monitors (EMs) visits the site  |
| Monthly Monitoring Summary Reports     | Prepared and submitted to CPUC monthly during construction            | MMCRP        | Summary of Daily Monitoring Reports and SDG&E's Weekly Compliance Summary Reports and Checklists, important documentation provided by SDG&E (e.g., reports and logs), a description of any important meetings and discussions, and MMCRP procedures that were implemented during the reporting period   |
| Post-construction Monitoring Report    | Prepared and submitted to CPUC once following construction            | MMCRP        | Summary of all monitoring activities that occurred prior to and during construction, summary of issues and resolutions, discussion of project outcomes and any lessons learned for future projects, and a status update for all project requirements (Table A-1 and requirement tracking tables) with a summary of any remaining tasks that must be completed |
| Final Monitoring Report (if necessary) | Prepared and submitted to CPUC once to finalize MMCRP implementation  | MMCRP        | Summary of all monitoring activities that occurred following construction and compliance with requirements that were not documented as complete in the Post-Construction Monitoring Report<br><br>The necessity of the report will be determined by the CPUC Project Manager  |

### 3 ROLES AND RESPONSIBILITIES

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SDG&E and CPUC, including their contractors, are collectively responsible for ensuring environmental impacts addressed in the EIR are adequately mitigated; however, SDG&E is primarily responsible for compliance by implementing project requirements. CPUC is responsible for monitoring SDG&E's compliance by verifying that implementation is completed adequately, and enforcing appropriate corrective actions if the project is not in compliance.

This section describes specific SDG&E and CPUC roles and responsibilities for the project, and titles that will be assigned to personnel in these roles.

A list of designated personnel who will perform these roles, including their organization and contact information, will be located in Table D-1 located in Appendix D. Table D-1 shall be updated as needed throughout implementation of the MMCRP to reflect personnel changes.

#### 3.1 SDG&E

##### 3.1.1 SDG&E Compliance Team

###### 3.1.1.1 SDG&E Project Manager

SDG&E is responsible for designating the project manager who will provide overall direction, management, leadership, and corporate coordination for the project. The SDG&E Project Manager's responsibilities shall include:

- Coordinating construction, engineering, and SDG&E's environmental personnel
- Integrating environmental responsibilities into all levels of the project organization
- Ensuring compliance with all APMs, MMs, permit conditions, plan requirements, and the MMCRP
- Communicating project activities, schedules, and public relations issues to the project teams

###### 3.1.1.2 SDG&E Compliance Managers

SDG&E is responsible for designating a compliance manager to oversee the overall compliance effort. The SDG&E Compliance Manager shall be the lead SDG&E representative responsible for implementing environmental requirements and the MMCRP. The SDG&E Compliance Manager's responsibilities shall include:

- Understanding and planning for project requirements and construction needs
- Coordinating SDG&E's environmental personnel, and ensuring that qualified monitoring personnel are available and informed of their responsibilities, and have been approved by CPUC when applicable

## 3 ROLES AND RESPONSIBILITIES

- Communicating environmental requirements to the SDG&E Compliance Team and Construction Managers
- Communicating with the CPUC Monitoring Team regarding environmental requirements, construction needs, construction schedule changes, and MMCRP procedures described in Section 4: Project Procedures
- Ensuring compliance with project requirements
- Reporting the effectiveness of mitigation and regularly submitting required reports and documentation to CPUC
- Providing leadership to correct any issues with environmental compliance

### 3.1.1.3 SDG&E Compliance Supervisor

SDG&E is responsible for designating at least one person to supervise the day-to-day compliance effort. The SDG&E Compliance Supervisor shall support the role of the SDG&E Compliance Manager and may perform any duties that are delegated by the SDG&E Project Manager and the SDG&E Environmental Compliance Manager.

### 3.1.1.4 SDG&E Environmental Inspectors

SDG&E is responsible for designating at least one environmental inspector who will be regularly present at the project site to oversee and verify the day-to-day compliance effort. The SDG&E Environmental Inspector (EI) shall work closely with construction personnel and shall be the primary field employee responsible for verifying and documenting environmental compliance. Multiple SDG&E EIs may be needed to effectively monitor compliance during periods of high construction activity or high monitoring demand. The SDG&E EI's responsibilities shall include:

- Understanding environmental project requirements and construction needs
- Taking direction from the SDG&E Compliance Manager and Compliance Supervisor
- Communicating construction needs and possible conflicts with environmental requirements to the SDG&E Compliance Manager and SDG&E Compliance Supervisor
- Supporting construction staff to ensure work is conducted safely and in compliance with environmental requirements
- Overseeing specialty monitoring activities, or performing such duties when appropriate and approved to do so
- Implementing communication procedures described in the MMCRP
- Ensuring that resources are avoided and impacts are minimized as specified by all project requirements
- Determining the effectiveness of mitigation and reporting whether adjustments need to be made to the SDG&E Compliance Manager and Compliance Supervisor

### 3.1.1.5 SDG&E Specialty Monitors

SDG&E is responsible for designating personnel to perform required or as needed specialty monitoring requirements. Agency approval is required for several specialty monitoring roles

### 3 ROLES AND RESPONSIBILITIES

as well as minimum qualifications. Specialty monitoring roles for the project are listed in Table 3.1-1, including minimum qualifications and agency approval requirements for designated personnel performing these roles. EIs may also perform specialty monitoring roles if they possess the appropriate qualifications and experience, and have received applicable agency approval. Table D-2 located in Appendix D lists designated specialty monitors, their contact information, and dates of agency approval, if applicable.

**Table 3.1-1 Specialty Monitors**

| Monitor Type/Resource            | Requirement Sources  | Minimum Qualifications  | Required Agency Approval |
|----------------------------------|--|---|--------------------------|
| Wildlife biologists              | APM BIO-2<br>MM Biology-1a<br>MM Biology-6<br>MM Biology-7<br>MM Biology-8<br>SDG&E Subregional<br>NCCP  | B.A. or B.S. in wildlife biology, wildlife ecology, ornithology, or wildlife management, and two years of field experience applicable to key special-status species known to occur in the project area (e.g., nesting birds, western yellow bat, San Diego desert woodrat), as well as naturally vegetation communities in the region | CPUC                     |
| Western burrowing owl biologists | APM BIO-1<br>Burrowing Owl Monitoring and Mitigation Plan  | B.A. or B.S. in wildlife biology, wildlife ecology, ornithology, or wildlife management, and two seasons of experience working with WBO; or has been mentored or supervised for at least one field season by a biologist with extensive field experience with WBO and two seasons of experience working with WBO <sup>1</sup>         | CDFW                     |
| Botanists                        | APM BIO-2<br>MM Biology-1a<br>MM Biology-3<br>MM Biology-1b<br>SDG&E Subregional<br>NCCP<br>Salvage and Relocation Plan for Special-Status Plants<br>Landscape, Irrigation, and Temporary Work Area Restoration Plan | At least a B.A. or B.S. in botany, plant ecology, or horticulture, and two years of experience with field botany or native plant restoration, and familiar with native and invasive plants in the region  | CPUC                     |

### 3 ROLES AND RESPONSIBILITIES

| Monitor Type/Resource                               | Requirement Sources  | Minimum Qualifications  | Required Agency Approval |
|---|--|---|--------------------------|
| Aquatic/hydrologic resource specialists             | APM HYDRO-1<br>MM Geology-1<br>MM Biology-11<br>Landscape, Irrigation, and Temporary Work Area Restoration Plan<br>SWPPP | At least a B.A. or B.S. in a relevant field of biology, hydrology, or resource science field, and two years of experience with site restoration   | N/A                      |
| SDG&E reclamation specialists and/or SWPPP monitors | APM HYDRO-1<br>MM Geology-1<br>MM Biology-11<br>Landscape, Irrigation, and Temporary Work Area Restoration Plan<br>SWPPP | Reclamation and restoration monitoring qualifications should include a degree geology, hydrology, or a restoration field, and two years of applicable experience<br><br>SWPPP monitoring requires an active QSD or QSP license from the California Stormwater Quality Association | N/A                      |
| Cultural resource specialists/archaeologists        | APM CUL-2<br>MM Cultural Resources-1<br>MM Cultural Resources-2<br>MM Cultural Resources-3<br>CRMMP                      | At least a B.A. or B.S. in archaeology, and two years of applicable experience  | CPUC                     |
| Paleontologists                                     | APM CUL-4<br>APM CUL-5<br>APM CUL-6<br>MM Paleontology-1   | At least a B.A. or B.S. in paleontology or similar field, and two years of experience working as a field paleontologist   | CPUC                     |
| Native American monitors                            | MM Cultural Resources-4  | Designated by applicable Native American tribes identified during consultation prior to construction  | N/A                      |
| Fire management specialists                         | APM HAZ-3<br>SDG&E Project Fire Plan   | Qualified for the position and designated by SDG&E  | N/A                      |

**Notes:**

<sup>1</sup> If passive relocation is required, the WBO biologist overseeing the work must have experience with burrow excavation and identifying the presences of western burrowing owl.

#### 3.1.1.6 SDG&E General Monitors

Several project requirements require general monitoring tasks. General monitoring can be conducted by any personnel if there are no minimum qualifications or agency approval requirements. General monitor requirements are listed in Table 3.1-2. Personnel performing these roles shall be provided training specific to the monitoring responsibility that is more detailed than the minimum worker training requirements included in the ETP addressed in

### 3 ROLES AND RESPONSIBILITIES

Section 2.5.4. SDG&E EIs may perform general monitoring tasks in conjunction with their other inspection and monitoring duties if appropriate.

**Table 3.1-2 General Monitors**

| Monitor Type  | Requirement Sources  | Training/Designation Requirements  |
|---|--|--|
| Public liaison and outreach personnel   | MM Noise-1<br>MM Noise-2   | SDG&E-designated and trained personnel, and familiar with project requirements |
| Daily construction work area clearances for wildlife (excavation inspection only) | APM BIO-2<br>MM Biology-1a<br>SDG&E Subregional NCCP                           | SDG&E-designated and trained personnel   |
| Fire watch and fire patrol  | APM HAZ-3<br>SDG&E Project Fire Plan   | SDG&E-designated and trained personnel   |
| Dust generation and minimization  | APM AIR-1<br>APM AIR-2<br>MM Air-1<br>MM GHG-1<br>Dust Control Management Plan | SDG&E-designated and trained personnel   |
| Trail impacts and signage   | MM Recreation-1<br>MM Recreation-2   | SDG&E-designated and trained personnel   |

#### 3.1.2 Construction Workforce

##### 3.1.2.1 Construction Managers

SDG&E shall identify Construction Managers for the project who are responsible for work crews. Construction Managers shall provide support to the SDG&E Project Manager and oversee the activities of construction personnel. Construction Manager responsibilities include:

- Ensuring compliance with SDG&E specifications, project APMs and MMs, permit conditions, plan requirements, MMCRP procedures, construction contracts, and applicable codes
- Planning construction activities around environmental requirements and reporting any potentially infeasible requirements and work area constraints to the SDG&E Compliance Team
- Communicating construction needs and schedule changes to the SDG&E Compliance Team
- Regularly facilitating field meetings with construction and environmental staff

##### 3.1.2.2 Construction Supervisors

At SDG&E's discretion, on-site responsibilities for Construction Managers may be delegated to Construction Supervisors (i.e., crew foreman). Construction Supervisors provide support to Construction Managers. Construction Supervisors shall be responsible for communicating with

## 3 ROLES AND RESPONSIBILITIES

Construction Managers and SDG&E EIs to ensure day-to-day construction activities are conducted in compliance with all project requirements.

### 3.1.2.3 Construction Workers

Construction workers who enter the project site are responsible for following all environmental project requirements. Construction workers are responsible for attending required environmental trainings addressed in the ETP that are applicable to their position. Any questions regarding project requirements shall be directed towards SDG&E Construction Managers, SDG&E Construction Supervisors, and/or SDG&E EIs.

## 3.2 CPUC

### 3.2.1 CPUC Monitoring Team

#### 3.2.1.1 CPUC Project Manager

The CPUC Project Manager is the lead representative for the CPUC and the sole CPUC employee on the CPUC Monitoring Team. The CPUC Project Manager shall oversee the mitigation monitoring effort and is responsible for making final determinations regarding MMCRP procedures and requirement clarifications.

#### 3.2.1.2 CPUC Monitoring Managers

CPUC is responsible for designating monitoring managers who will support the CPUC Project Manager and provide oversight to the mitigation monitoring effort. The CPUC Monitoring Managers responsibilities shall include:

- Conducting monitoring activities described in the MMCRP on behalf of the CPUC
- Implementing CPUC's responsibilities for MMCRP procedures, and verifying SDG&E fulfills their responsibilities
- Preparing draft review memoranda for the CPUC Project Manager, and keeping a record of MMCRP procedures
- Coordinating field personnel for the CPUC Monitoring Team to inspect the project site, and determining the appropriate frequency of site visits
- Reviewing and submitting monitoring reports to the CPUC Project Manager
- Reviewing reports and other documentation provided by SDG&E
- Verifying and documenting SDG&E's compliance with all project requirements prior to, during, and following construction, and creating an independent record of project compliance
- Documenting any issues or incidents with compliance, reporting them to the CPUC Project Manager, and tracking the project compliance record
- Working with the SDG&E Compliance Team to resolve any issues and incidents
- Coordinating all aspects of the project with the SDG&E Compliance Team
- Coordinating with other jurisdictional agencies as needed



## 3 ROLES AND RESPONSIBILITIES

### 3.2.1.3 CPUC Monitoring Supervisors

CPUC is responsible for designating monitoring supervisors who will support the CPUC Project Manager and CPUC Monitoring Managers by overseeing the day-to-day mitigation monitoring effort. CPUC Monitoring Supervisors shall perform the delegated duties of the CPUC Monitoring Managers, and be responsible for preparing MMCRP monitoring reports, and coordinating the activities of field personnel for the CPUC Monitoring Team.

### 3.2.1.4 CPUC Environmental Monitors

CPUC Environmental Monitors (EMs) shall be identified for the project. CPUC EMs shall be the primary field personnel for CPUC and responsible for verifying compliance with project requirements at the project site as directed by the CPUC Monitoring Team. Additional monitors may be used as needed depending on concurrent construction activities and specific monitoring needs. The responsibilities of the CPUC EMs are:

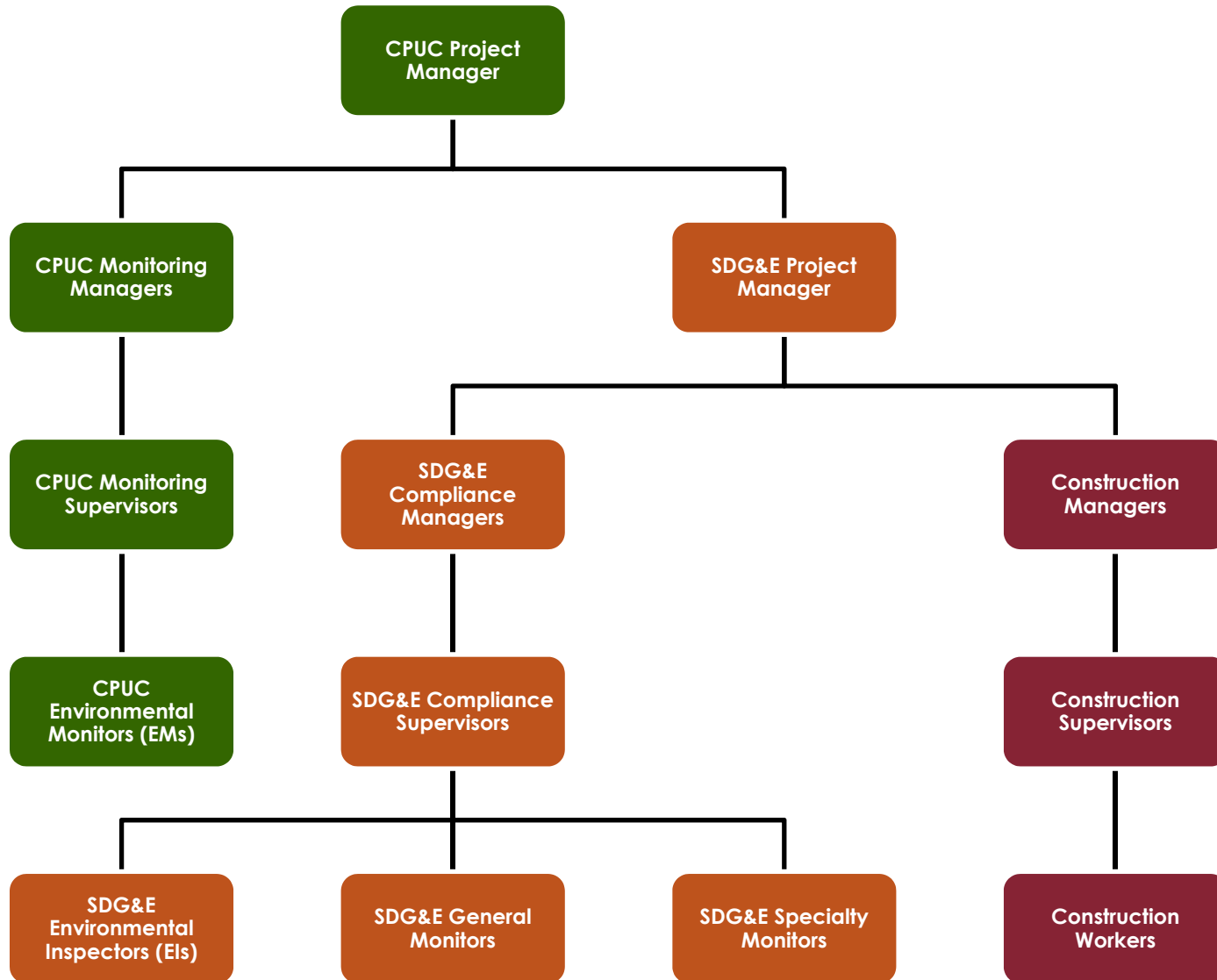
- Inspecting the project site, documenting construction and compliance activities, and reporting any potential issues and incidents
- Preparing and submitting daily monitoring reports to the CPUC Monitoring Managers, and relaying any important information about the project delivered in the field
- Reviewing SDG&E's compliance reports for consistency with field observations and identifying any issues
- Communicating directly with SDG&E field personnel regarding CPUC site visits, schedule updates, MMCRP procedures, and any issues or incidents observed during site inspections
- Working with the rest of the CPUC Monitoring Team and SDG&E Compliance Team to resolve any issues and incidents

## 3.3 ORGANIZATION CHART

An organizational chart of CPUC and SDG&E project personnel is shown on Figure 3.3-1. The organization chart illustrates preliminary lines of communication between project team members. The names of individuals performing the rolls shown on Figure 3.3-1 and their contact information will be listed in Tables D-1 and D-2 located in Appendix D. Both CPUC and SDG&E are responsible for keeping one another informed of staffing changes and providing contact information.

### 3 ROLES AND RESPONSIBILITIES

Figure 3.3-1 MMCRP Organization Chart



## 3 ROLES AND RESPONSIBILITIES

### 3.4 JURISDICTIONAL AGENCIES

Personnel from jurisdictional agencies identified in Section 2.2 may periodically visit the project site to verify compliance or to request information from SDG&E regarding compliance with laws, regulations, and project permits identified in Table C-1 located in Appendix C. SDG&E is responsible for satisfying requests from jurisdictional agencies, submitting the permits and authorizations to CPUC, and notifying CPUC of any changes to agency requirements in a timely manner. SDG&E shall provide CPUC with documentation (i.e., email correspondence, letters, and/or memoranda) related to final agency approvals for the project if CPUC is not directly involved with the coordination effort. In addition, CPUC may contact jurisdictional agencies at any time regarding the project and to clarify agency requirements, permit conditions, or approvals relating to their jurisdiction, as needed.

## 4 PROCEDURES

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This section addresses MMCRP procedures for personnel identified in Section 3 that shall be implemented prior to, during, and following construction, in order to facilitate successful implementation and documentation of project requirements. Procedures in this section include general communication guidelines, standard CPUC practices, and documentation tools developed from experience with past CPUC projects that involved mitigation monitoring oversight.

### 4.1 COMMUNICATION GUIDELINES

Clear communication will be critical for successful implementation of the MMCRP and will reduce the likelihood of issues that may arise, such as project delays, compliance violations, and safety incidents. Environmental and construction personnel must regularly communicate and maintain professional and responsive communications at all times. The SDG&E Compliance Team and CPUC Monitoring Team must coordinate closely to clarify questions regarding implementation before issues occur, to develop expectations regarding compliance documentation, and to resolve any issues that may arise in a timely manner. This section addresses general communication procedures for the project.

#### 4.1.1 Meetings

SDG&E or CPUC may request as-needed meetings on an occasional or regular basis to discuss construction and compliance activities, proposed project changes, reporting and documentation procedures, compliance procedures, and to resolve issues. Meetings may be held in the field at the project site or over the phone. Key decision makers from the SDG&E and CPUC teams shall be given an opportunity to participate in important meetings. The results of all meetings shall be documented in MMCRP reports prepared by both SDG&E and CPUC.

#### 4.1.2 Site Visit Coordination

Field personal from both SDG&E and CPUC shall coordinate site visits with a designated SDG&E EI who is familiar with authorized construction activities, project requirements, and any restricted areas (i.e., dangerous conditions, unauthorized work areas or work private properties, or the presence of sensitive resources). Conditions in the field may change rapidly and SDG&E field personnel must ensure that all field personnel are adequately informed of restricted areas, parking locations, and communication procedures on an ongoing basis.

CPUC EMs shall conduct routine site inspections. At a minimum, CPUC EMs will notify a designated SDG&E EI prior to visiting the site. If contact cannot be made, CPUC monitoring personnel will inspect open areas of the project site on foot. CPUC field personnel shall at no

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time pass through fences unless authorized or escorted by a member of the SDG&E compliance team.

### 4.1.3 SDG&E Compliance Reports and Checklists

SDG&E is required to prepare Weekly Compliance Summary Report and Checklist during construction as described in Section 2.5.8. The compliance summary reports will serve as the core method for SDG&E to communicate project activities to CPUC and to document their compliance effort.

A compliance checklist PDF form is located in Appendix E. A checklist form should be submitted with the Weekly Compliance Summary Reports for each weekly reporting period. The checklist form will serve to reduce the written reporting effort and give credit to SDG&E for complying with day-to-day compliance activities that frequently are not described in the Weekly Compliance Summary Report. The Weekly Compliance Summary Report will elaborate on important details described in the checklist and does not need to address every construction or compliance activity, especially if activities are proceeding in an ongoing and continuous manner.

The original PDF form provided with the MMCRP should be copied and updated without changing the format of the PDF (rasterizing or any other conversions) in order to maintain the form's data processing functions.

### 4.1.4 Questions and Clarifications

Questions and the need to clarify project requirements will periodically arise throughout the implementation process. Both SDG&E and CPUC shall submit important questions and clarifications in writing via email. Resolutions and any CPUC determinations shall be documented in compliance and monitoring reports, and/or in email correspondence. Questions and clarifications that take an extended period of time to resolve shall be tracked by the CPUC Monitoring Team until a resolution has been reached.

### 4.1.5 Requests for Documentation

The CPUC Monitoring Team may periodically request written documentation and confirmations from the SDG&E Compliance Team that will be entered into the project record. Requests for documentation and confirmations shall be submitted via email. If the information will take an extended period of time to gather, both SDG&E and CPUC shall agree upon a timeframe to respond, and the request shall be tracked by the CPUC Monitoring Team until a resolution has been reached.

### 4.1.6 Construction Schedule

SDG&E shall inform the CPUC Monitoring Team immediately of any delays in the construction schedule that may affect the project and implementation of the MMCRP.

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### 4.1.7 Stop Work Orders

When it is safe to do so, any member of the SDG&E Compliance Team or CPUC Monitoring Team has the authority to issue Stop Work Orders to temporarily halt or redirect project activities if a sensitive resource is put in undue risk beyond previously authorized or permitted levels. In addition, the CPUC Monitoring Team may also stop or redirect work if unauthorized project activities are observed, such as use of work area that has not been approved or if significant issues remain unresolved. The CPUC Project Manager will make any final determinations regarding Stop Work Orders for the project.

### 4.1.8 Dispute Resolution

Disputes or complaints may develop between SDG&E and CPUC if there are conflicting opinions regarding project requirements and procedures. It is expected that the MMCRP will reduce or eliminate the potential for disputes; however, disputes may occur even with the best preparation.

Any issues shall first be addressed informally at the field level between the CPUC EM and SDG&E EI, or during project progress meetings. Questions may be directed to other members of the SDG&E Compliance Team and the CPUC Monitoring Team as needed. If the issue cannot be resolved informally in the field, the following procedures shall be implemented:

- **Step 1 – Informal Escalation:** An unresolved dispute, including those from the public, shall be directed to the CPUC Project Manager for resolution. The CPUC Project Manager shall attempt to resolve the dispute informally. Should an informal process fail, the CPUC Project Manager shall inform SDG&E prior to initiating Step 2.
- **Step 2 – Formal Letter:** Should the informal resolution process fail (Step 1), the CPUC Project Manager may issue a formal letter requiring corrective actions.
- **Step 3 – Notice of Dispute:** If a dispute cannot be resolved through Steps 1 and 2, any affected participant may file a written Notice of Dispute with the CPUC's Executive Director. This notice shall be filed in order to resolve the dispute in a timely manner, with copies concurrently served to other affected participants. The Executive Director or designee(s) shall meet or confer within 10 days of receiving the letter with the filer and other affected participants to resolve the dispute. The Executive Director shall issue an Executive Resolution describing his or her decision, and serve it to the filer and other affected participants.
- **Step 4 – Executive Resolution:** If one or more of the affected parties is not satisfied with the decision as described in the Executive Resolution, the affected parties may appeal to CPUC through a procedure to be specified by CPUC.

Affected parties may also seek CPUC review through existing procedures specified CPUC's Rules of Practice and Procedure for formal and expedited dispute resolution, although a good faith effort should first be made to use the foregoing procedure.

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### 4.2 NOTICE TO PROCEED PROCESS

SDG&E is required to obtain CPUC authorization prior to initiating project activities through the Notice to Proceed (NTP) process. The NTP process involves the SDG&E Compliance Team submitting an NTP request package to the CPUC Monitoring Team, and the CPUC Project Manager issuing a NTP Authorization Letter. Project activities may be authorized through one or more NTPs for separate project phases as determined necessary by the SDG&E Compliance Team and the CPUC Monitoring Team. At a minimum, NTP request packages shall include the following information:

- NTP request number
- Date submitted to CPUC
- Requested approval date
- Anticipated start and end date for the proposed actions
- A detailed description of the proposed actions requested in the NTP
- A summary list of any previously authorized actions (if applicable) as detailed in NTP Authorization Letters
- A summary list of any actions that have not been proposed or authorized that must be included with future NTP requests
- Updated versions of the four require tracking tables described in Section 4.5.1 (Tables C-1, C-2, C-3, and C-4)
- A summary list of any outstanding requirements and documentation not included with the NTP package, and the anticipated dates it will be provided
- Any Minor Project Refinements related to the proposed actions (addressed in Section 4.3)

The CPUC Monitoring Team shall review NTP requests to ensure the proposed actions are consistent with the EIR and final CPUC decision, and to verify compliance with all pre-construction requirements. The CPUC Monitoring Team may request additional information during the NTP review process as needed. Once it has been determined that all pre-construction requirements have been completed and documented to the satisfaction of CPUC, the CPUC Project Manager will submit an NTP Authorization Letter to the SDG&E Compliance Team. The NTP Authorization Letter will address any conditions of approval, and include applicable documentation as necessary for the authorized actions.

### 4.3 MINOR PROJECT REFINEMENTS

SDG&E may identify a need to refine one or more aspects of the project following CPUC's final decision due to final engineering specifications. In such cases, SDG&E is required to submit Minor Project Refinement (MPR) requests to the CPUC Monitoring Team and obtain authorization from the CPUC Project Manager through the process described in this section.

Approval for MPR requests will only be granted if the proposed refinements achieve or exceed the level of environmental protection approved in the EIR, are consistent with CEQA requirements, and comply with the APMs and MMs identified in the EIR. Requests for project

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refinements that do not fall within the authority delegated to the CPUC Project Manager as defined in the CPUC's final decision must be sought through a Petition for Modification pursuant to Rule 16.4 of CPUC's Rules of Practice and Procedure. Proposed project refinements will not be authorized by the CPUC Project Manager through the MPR process if they would meet one or more of the following criteria:

- Involves modifications that would be outside the geographic boundary of the study area utilized in the EIR
- Would create a new significant impact or substantially increase the severity of a previously identified significant impact, based on the thresholds used in the EIR
- Trigger additional permit requirements that are not defined in the EIR or MMCRP
- Conflict with any APM or MM, or any applicable guideline, ordinance, code, rule, regulation, order, decision, statute, or policy
- Require new conditions for approval, without which the modifications would result in a new significant impact or substantially increase the severity of a previously identified significant impact

At a minimum, MPR requests must include the following information:

- MPR request number
- Date submitted to CPUC
- Requested approval date
- Anticipated start and end date for the proposed actions associated with the refinements
- A detailed description of the proposed refinements, including an explanation of why the refinements are necessary
- A summary list of applicable project requirements (e.g., APMs, MMs, project parameters, or other project stipulations) for which the refinements are being requested
- Supporting photos, maps, and other documentation illustrating the difference between the existing conditions in the area, the approved project, and the proposed refinements
- The dimensions and area of any additional work areas and land disturbance associated with the proposed refinements
- A detailed description of potential impacts of the proposed refinements, including a discussion of each environmental issue area that could be affected by the refinements with accompanying verification that there will be no increase in significant impacts to resources affected by the project and no new significant impacts, after application of previously adopted mitigation
- A summary of water feature and stormwater considerations including any changes to jurisdictional features and the use of erosion and sediment control BMPs
- A statement describing if the proposed refinements would conflict with any APM, MM, applicable guideline, ordinance, code, rule, regulation, order, decision, statute, or policy



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- Evidence of SDG&E's consultation with other governmental or nation states, to the extent applicable

The CPUC Monitoring Team shall review MPR requests to ensure the proposed refinements are consistent with the EIR and final CPUC decision. The CPUC Monitoring Team may request additional information during the MPR review process as needed. If it is determined that the MPR request includes sufficient evidence that the proposed refinements are necessary, there are no environmentally preferable alternatives to the refinements, and the refinements would not meet one or more of the exclusionary triggers, then the CPUC Project Manager would authorize the refinements by issuing a MPR Authorization Letter at their discretion. MPR Authorization Letters will address any conditions of approval, and include applicable documentation as necessary.

Examples of potential MPRs, depending on their location, may include the following:

- Adding a temporary extra work area for no more than 60 days of use if the proposed location is in a previously disturbed area with no adjacent sensitive resources or land uses
- Substituting or replacing a previously authorized work area with an alternate work area that is in a previously disturbed area with no adjacent sensitive resources or land uses
- Adjusting the alignment of a project to avoid unanticipated impacts related to cultural artifacts, buried utility infrastructure, hazardous and toxic substances, and other land use impacts including effects on homeowners, so long as the adjustment does not create a new significant impact or a substantial increase in the severity of a previously identified significant impact
- Adjusting the alignment of a project to avoid or adapt to conditions on the ground that vary from the conditions that existed at the time of the original environmental analysis, so long as the adjustment does not create a new significant impact or a substantial increase in the severity of a previously identified significant impact

### 4.4 INCIDENTS

The goal of this MMCRP is to plan for and avoid any issues that could occur during implementation; nonetheless, there is a potential for issues to arise due to a variety of factors. For the purposes of this MMCRP, any issues that are observed with compliance, issues related to health and safety, or public complaints shall be documented as incidents. This section addresses incidents that may occur and procedures that shall be followed to document them.

#### 4.4.1 Incident Categories

Incident categories for the project include compliance level incidents, health and safety incidents, and public complaints.

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### 4.4.1.1 Compliance Level Incidents

SDG&E and CPUC are responsible for evaluating compliance and addressing any issues throughout implementation of the MMCRP. Issues with compliance will be documented by assigning one of four severity levels and associated terms. If all project requirements are being followed and no issues are observed, then the project would be at an acceptable compliance level (Level 0: Acceptable) and no further actions are required. A description of compliance levels that will be used for the project and examples of compliance level incidents are listed in Table 4.4-1.

When documenting compliance level incidents, the reporting party shall assign an initial compliance level that appropriately represents the severity of the issue based on factors including, but not limited to the following:

- Scope of the deviation or violation
- Risk of impact to resources
- Actual impact to resources
- Number of repeated issues
- How preventable the issue was

The need to change initially reported compliance levels may arise if the incident level was over- or under-reported. The CPUC Project Manager shall make final determinations regarding the appropriate compliance level for each incident as needed, and the CPUC Monitoring Team shall maintain a record of all incidents for the project that will be analyzed in the post-construction and final monitoring reports.

**Table 4.4-1 Compliance Levels**

| Incident Level,<br>Reporting Term,<br>and Severity   | Project Definition   | Examples  |
|--|--|---|
| <b>Non-Incident</b>  |  |   |
| <b>Level 0:<br/>Acceptable</b><br><i>Compliant</i>   | An event or observation where the project was compliant with all project requirements.   | <ul style="list-style-type: none"> <li>• All project requirements were followed adequately.</li> <li>• No issues were observed.</li> </ul>  |
| <b>Incident</b>  |  |   |
| <b>Level 1:<br/>Occurrence</b><br><i>At risk of being out of compliance (low severity)</i> | An event or observation that if left unaddressed has the potential to affect compliance. | <ul style="list-style-type: none"> <li>• A low amount of trash or construction debris was observed scattered around a work site, but the trash was quickly collected and removed from the site.</li> <li>• A minor fluid leak (i.e., hydraulic hose break) that did not put a resource at risk, and was immediately contained and cleaned according to project requirements.</li> </ul> |
| <b>Level 2: Minor Problem</b>  | An event or observation that slightly deviates   | <ul style="list-style-type: none"> <li>• Erosion controls were improperly installed or maintained at a work site, but did not result in discharge of sediment.</li> </ul>   |

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| Incident Level, Reporting Term, and Severity   | Project Definition   | Examples   |
|--|--|--|
| <i>Out of compliance (low to moderate severity)</i>                                      | from project requirements, but does not put a resource at unpermitted risk.  | <ul style="list-style-type: none"> <li>• Project personnel used an unauthorized turnaround area or access road, but the site was previously disturbed and the action did not put a sensitive resource at risk.</li> </ul>  |
| <b>Level 3: Compliance Issue</b><br><i>Out of compliance (moderate to high severity)</i> | An event or observation that slightly deviates from project requirements and puts a resource at minor unpermitted risk, but is quickly corrected without impacting the resource. | <ul style="list-style-type: none"> <li>• Soil or construction material was placed outside of an approved work area in a non-sensitive area, but the material was removed by the end of the day.</li> <li>• A fuel tank was stored overnight within specified limits of a water body without secondary containment, but did not result in the release of hazardous materials.</li> <li>• Project personnel used an unauthorized overland and previously undisturbed turnaround area or access road, but the action did not impact a sensitive resource.</li> </ul>  |
| <b>Level 4: Noncompliance</b><br><i>Out of compliance (high severity)</i>                | An event or observation that violates project requirements and puts a resource at unpermitted risk.  | <ul style="list-style-type: none"> <li>• Mobilization of equipment or materials to a work site prior to receiving NTP authorization from CPUC.</li> <li>• Soil or construction material was placed outside of an approved work area in an environmentally sensitive area.</li> <li>• Erosion control BMPs failed during a storm and sediment was discharged into a sensitive area.</li> <li>• Project vehicles entered a sensitive resource exclusion area and damaged a resource.</li> <li>• Project personnel continued to operate equipment after being requested to halt temporarily by the EI or EM.</li> </ul> |

### 4.4.1.2 Health and Safety Incidents

SDG&E and CPUC’s most important responsibility is maintaining safe working conditions and protecting the public including workers from exposure to hazards related to the project. Any events (i.e., accidents or near misses/close calls) or issues observed with health and safety procedures shall be documented as an incident. SDG&E and CPUC shall provide notification and prepare Incident Reports for health and safety incidents; however, health and safety incidents will not necessarily reflect negatively on SDG&E’s environmental compliance record unless a specific project requirement, permit, or plan requirement was violated.

### 4.4.1.3 Public Complaints

The public may take issue with one or more aspects of the project. MM Noise-1 includes specific requirements for processing noise complaints from the public. All other public complaints that

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do not relate to noise shall be documented as an incident. Public complaints may be submitted formally to SDG&E or CPUC, or informally to field personnel at the project site. SDG&E and CPUC shall provide notification and prepare Incident Reports for public complaints; however, public complaints will not necessarily reflect negatively on SDG&E's environmental compliance record unless a specific project requirement, permit, or plan requirement was violated. SDG&E may elect to work with members of the public to resolve any complaints. The CPUC Monitoring Team shall not intervene with SDG&E's resolution process unless the complaint is related to specific compliance requirements or a previously unidentified impact related to CEQA review. The CPUC Project Manager shall make any final determinations regarding the necessity of corrective actions following public complaints.

### 4.4.2 Identifying Incidents

The SDG&E EI and CPUC EM are primarily responsible for identifying and initially reporting incidents during inspection of the project site; however, issues may also be determined by other personnel in the field or during review of project reports. The CPUC Monitoring Team may also identify issues through review of SDG&E's compliance reporting.

SDG&E shall make every attempt to self-report any incidents that occur. Self-reporting incidents and preventing the issues from repeating demonstrates a commitment to compliance and will foster a relationship of trust between SDG&E and CPUC.

### 4.4.3 Notification

SDG&E and CPUC shall notify one another of incidents within one business day of the initial observation so the issues can be adequately addressed. Response procedures do not need to be finalized when initial notification is provided. Over time the SDG&E Monitoring Team and CPUC Compliance Team may collectively agree to reduce the notification requirement for Level 1 Occurrences because, if documented correctly, these issues would be minor and inconsequential. Changes in the notification procedures for incidents must be authorized by the CPUC Project Manager.

Jurisdictional agencies may also require notification if incidents are documented that relate to their jurisdiction over the project. CPUC will determine if other agencies should be notified when incidents are documented and either contact agency representatives directly, or direct SDG&E to do so and to provide documentation.

### 4.4.4 Incident Reports

Incident Reports shall be prepared by the observing party (either SDG&E or CPUC) and submitted to the alternate party within one business day of the observation if a Minor Problem, Compliance Issue, or Noncompliance is documented (Levels 2-4). Incident Reports are not required if an Occurrence (Level 1) is documented. At a minimum, Incident Reports must include the following information:

- Incident Category
- Compliance Level (if applicable)

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- Incident Start Date (i.e., date event began if known or initial observation date)
- Summary of Incident (i.e., description of the event or observation, personnel present, and actions taken to resolve the issue)
- Resolution Date (if known)

Incidents shall be addressed in MMCRP reports prepared by both SDG&E and CPUC as described in Section 2.5.8 (e.g., daily, weekly, monthly, and post-construction reports), and Incident Reports shall be attached to the MMCRP reports for the applicable period.

In addition to Incident Reports, events rising to the level of Noncompliance may require preparation of memoranda in order to describe the event in greater detail and corrective actions necessary to bring the project back into compliance.

### 4.5 TRACKING TABLES

Compliance with mitigation requirements will be tracked by the CPUC. Important project procedures, such as formal requests and approvals, as well as incidents, will also be tracked throughout the project for record keeping and post project analysis.

#### 4.5.1 Requirement Tracking Tables

Requirement tracking tables for the project are located in Appendix C and include the following:

- Table C-1: Permit and Agency Authorization Tracking Table
- Table C-2: Plan Tracking Table
- Table C-3: Notification Tracking Table
- Table C-4: Survey Tracking Table

Tables C-1, C-2, and C-3 were provided to SDG&E prior to finalizing the MMCRP and SDG&E provided a significant portion of the required information identified in the tables. These tables will continue to be updated throughout the project by SDG&E during the NTP request process (addressed in Section 4.2) and by the CPUC on an ongoing basis.

#### 4.5.2 Other Project Tracking

CPUC will track other important information for the project record as part of the Monthly Monitoring Summary Report, including NTP and MPR requests and approvals described in Sections 4.2 and 4.3, resolutions to important issues that require follow-up, and documented incidents described Section 4.4.

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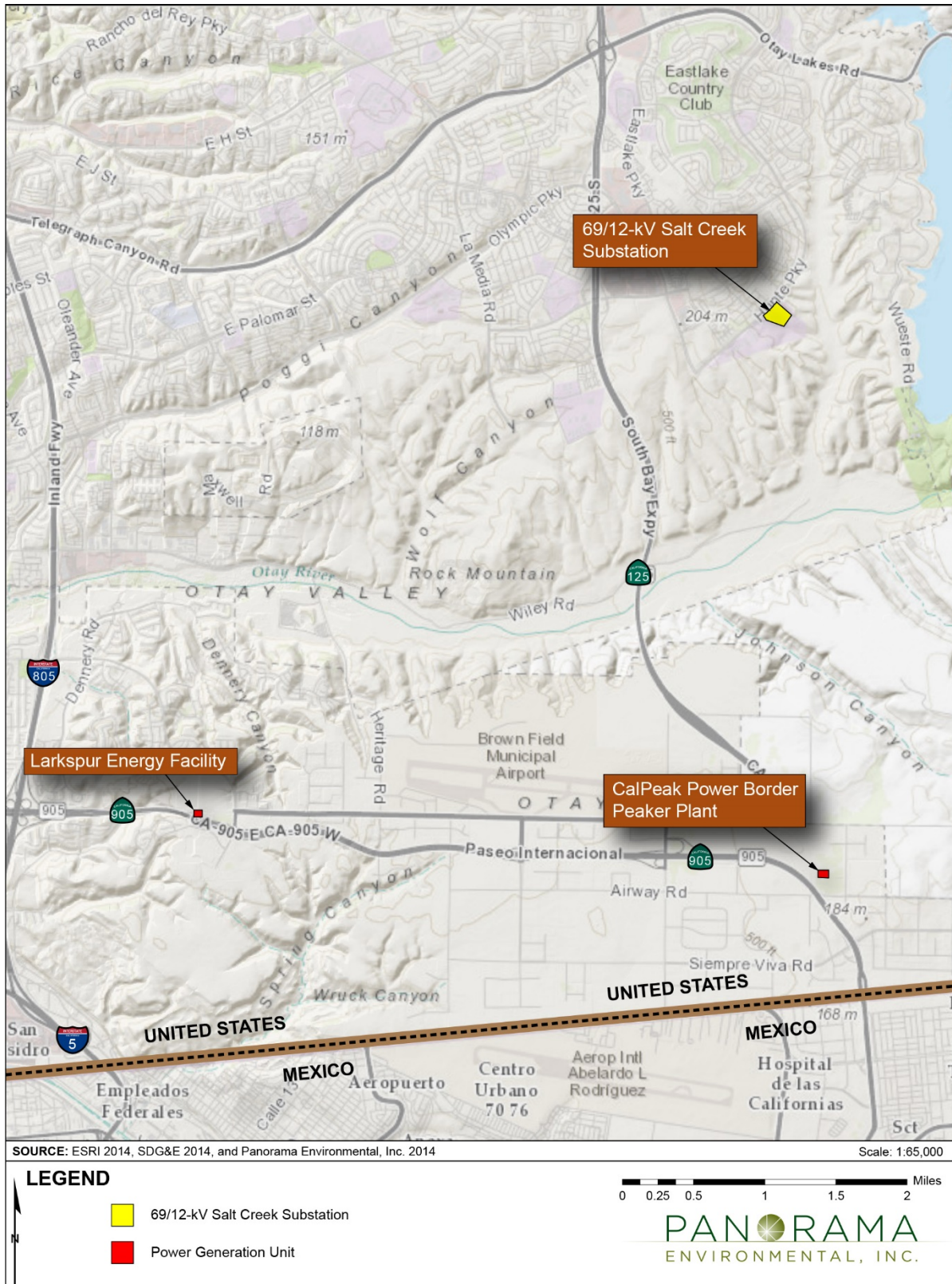
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**APPENDIX A:  
PROJECT MAP AND GRADING PLAN**

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# APPENDIX A

Figure A-1 Proposed Project Location







**APPENDIX B:  
APM AND MM IMPLEMENTATION TABLE**

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APM AND MM IMPLEMENTATION TABLE

Table B-1 APM and MM Implementation Table

| Impact   | APM/Mitigation Measure <sup>1</sup>   | Monitoring/Reporting Requirement   | Effectiveness Criteria  | Timing and Location  | Requirement Categories and Tracking Table References  |
|--|---|--|---|--|---|
| <b>Aesthetics</b>  |   |  |   |  |   |
| <p><b>Impact Aesthetics-1:</b><br/>Potential to substantially degrade the existing visual character or quality of the site and its surroundings during construction</p>  | <p><b>APM AES-1: Visual Screening:</b> The Hunte Parkway Staging Yard will have opaque mesh installed along the fence to screen the view of the staging yard from public vantage points, such as roads and residences.</p>  | <p><b>SDG&amp;E:</b><br/>Install opaque mesh along the fence at Hunte Parkway Staging Yard.</p> <p><b>CPUC:</b><br/>During monitoring, verify measure is implemented as defined.</p>   | Views of staging yards from public vantage points are screened.                               | <p><b>Timing:</b><br/>Before use of Hunte Parkway Staging Yard</p> <p><b>Location:</b><br/>Hunte Parkway Staging Yard fences</p>   | APM AES-1 does not apply because SDG&E would not use offsite staging areas to construct the substation. |
| <p><b>Impact Aesthetics-6:</b><br/>Potentially create a new source of substantial light or glare that would adversely affect day or nighttime views in the area</p>  | <p><b>APM AES-2: Night Lighting:</b> All lights will be shielded and pointed down to minimize glare onto surrounding properties and natural habitats. Lights will not be left on at night, with the exception of the gate entry light and lights required for nighttime work and/or an emergency.</p>   | <p><b>SDG&amp;E:</b><br/>Point lights down and install shields on lights. With the exception of the gate entry light and nighttime work and/or for an emergency, do not leave lights on at night.</p> <p><b>CPUC:</b><br/>During monitoring, verify measure is implemented as defined.</p>   | Lights are installed adequately to minimize glare.  | <p><b>Timing:</b><br/>During construction and operation</p> <p><b>Location:</b><br/>All lights</p>   | Avoidance and Minimization  |
| <p><b>Impact Aesthetics-1</b><br/><b>Impact Aesthetics-2:</b><br/>Potential to substantially degrade the existing visual character or quality of the site and its surroundings during operation and maintenance</p> <p><b>Impact Aesthetics-3:</b><br/>Potential to substantially damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway or designated scenic roadway during construction</p> <p><b>Impact Aesthetics-4:</b><br/>Potential to substantially damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway or designated scenic roadway during</p> | <p><b>Mitigation Measure Aesthetics-1:</b> SDG&amp;E shall submit a Landscaping and Irrigation Plan to the CPUC for review and approval no less than 120 days prior to acquisition of landscape materials. The purpose of the Landscaping and Irrigation Plan is to ensure successful revegetation of the substation slope to partially screen the facility from view within a period of 5 years after construction. The Landscaping and Irrigation Plan shall conform to the species and irrigation approach presented in the Conceptual Landscape Plan (Appendix B of this EIR). The Plan shall be reviewed by a geotechnical engineer for consistency with the slope stabilization approach proposed for the site prior to submittal to the CPUC. The Plan shall not conflict with the slope stabilization approach as described in the geotechnical report prepared for the substation site (Kleinfelder 2008; the report is included in Appendix H). The Landscaping and Irrigation Plan will include:</p> <ol style="list-style-type: none"> <li>1. Specimen Name, Location, and Container Size for all Trees, Shrubs and Groundcover, including at a minimum:             <ol style="list-style-type: none"> <li>a. Adequate container size for each tree species to provide visual screening of the substation facility within a period of 5 years</li> </ol> </li> <li>2. Temporary and Permanent Irrigation Line Locations</li> </ol> | <p><b>SDG&amp;E:</b><br/>Submit the Landscaping and Irrigation Plan to CPUC at least 30 days prior to construction and 120 days prior to acquisition of landscape materials.<br/>Submit landscape monitoring reports to CPUC throughout the duration of monitoring.</p> <p><b>CPUC:</b><br/>Review and approve Landscaping and Irrigation Plan.<br/>Review landscape monitoring reports during monitoring.<br/>Verify measures in the Plan are implemented as defined during monitoring.</p> | <p>The Plan contains all necessary information.<br/>Measures in the Plan are implemented.</p> | <p><b>Timing:</b><br/>No less than 120 days prior to acquisition of landscape materials (planting required within 3 months of substation completion)<br/>Monitor for at least 5 years and until the success criteria have been met</p> <p><b>Location:</b><br/>Salt Creek Substation</p> | <p>Plans<br/>Monitoring<br/>Avoidance and Minimization<br/>Reporting</p>                                |

APM AND MM IMPLEMENTATION TABLE

| Impact  | APM/Mitigation Measure <sup>1</sup>   | Monitoring/Reporting Requirement | Effectiveness Criteria | Timing and Location | Requirement Categories and Tracking Table References |
|---|---|----------------------------------|------------------------|---------------------|--|
| <p>operation and maintenance</p> <p><b>Impact Bio-7</b></p> <p><b>Impact Bio-8</b></p> <p><b>Impact Geology/Soils-4</b></p> <p><b>Impact Hydro-3</b></p> <p><b>Impact Recreation-3:</b><br/>Have a substantial adverse effect on the recreational value of existing recreational facilities during construction</p> <p><b>Impact Recreation-4:</b><br/>Have a substantial adverse effect on the recreational value of existing recreational facilities during operation</p> | <p>3. Thickness of topsoil and soil compaction range for selected plant species</p> <p>4. Success Criteria, including at a minimum:</p> <p>a. 80 percent success for all container plantings with a tree canopy height of 12 feet or more</p> <p>b. 85 percent of pre-project vegetative cover for shrub and herbaceous vegetation</p> <p>c. Less than 5 percent invasive weeds</p> <p>5. Remedial Actions, including at a minimum:</p> <p>a. Replacement of container plantings if the success criteria are not met by year 2</p> <p>b. Additional seeding if the success criteria for shrub and herbaceous vegetation is not met by year 2</p> <p>c. Soil treatments, as appropriate</p> <p>d. Extended irrigation for areas not meeting success criteria or change in the frequency and duration of irrigation</p> <p>e. Invasive weed removal by hand, mechanical, or chemical application</p> <p>6. Monitoring Methods, Location, Frequency, and Reporting including:</p> <p>a. Landscape monitoring reports that document plant mortality and replacement and include photo-documentation of the vegetated cover from a minimum of eight photo locations</p> <p>b. Quarterly monitoring for the first year following construction</p> <p>c. Bi-annual monitoring in the spring and fall for the remainder of the monitoring period</p> <p>d. Monitoring for at least 5 years and until the success criteria have been met</p> <p>The SDG&amp;E Landscaping and Irrigation Plan shall be prepared by a California-licensed landscape architect or a restoration ecologist with experience in southern California ecosystems. The plantings defined in the Landscaping and Irrigation Plan shall be planted on the site within 3 months of the completion of substation construction. SDG&amp;E shall submit the landscape monitoring reports to the CPUC throughout the duration of monitoring. Landscape monitoring reports shall be prepared by a California licensed landscape architect or a botanist.</p> |                                  |                        |                     |  |

APM AND MM IMPLEMENTATION TABLE

| Impact  | APM/Mitigation Measure <sup>1</sup>   | Monitoring/Reporting Requirement   | Effectiveness Criteria   | Timing and Location   | Requirement Categories and Tracking Table References |
|---|---|--|--|---|--|
| <p>Impact Aesthetics-1</p> <p>Impact Aesthetics-2</p> <p>Impact Aesthetics-3</p> <p>Impact Aesthetics-4</p> <p>Impact Recreation-3</p> <p>Impact Recreation-4</p> | <p><b>Mitigation Measure Aesthetics-2:</b> SDG&amp;E shall prepare a Facilities Color Treatment Plan describing the application of colors to all new facility buildings, walls and fences at the Salt Creek Substation. The proposed color treatments shall minimize visual intrusion and contrast by blending the facilities with the landscape. Color specifications for the verdura retaining wall and masonry walls will be based on standard color palettes from the providers. The Plan shall be submitted to CPUC for review and approval at least 90 days prior to (a) ordering the first exterior building components to be color treated, or (b) construction of any exterior building component, whichever comes first. The Facilities Color Treatment Plan shall include:</p> <ul style="list-style-type: none"> <li>• Specification, and 11 x 17 inch color simulations to scale, of the treatment proposed for use on project structures</li> <li>• List of each major project structure, building, and fencing specifying the color(s) and finish proposed for each (colors must be identified by name and by vendor brand or a universal designation)</li> <li>• Two sets of brochures and/or color chips for each proposed color</li> <li>• A detailed schedule for completion of the treatment</li> <li>• A procedure to ensure proper treatment maintenance for the life of the project</li> </ul> <p>SDG&amp;E shall not specify to the vendors the treatment of any buildings or structures treated during manufacture or perform the final treatment on any buildings or structures treated onsite during construction until SDG&amp;E receives notification of approval of the Color Treatment Plan by the CPUC.</p> | <p><b>SDG&amp;E:</b></p> <p>Submit the Facilities Color Treatment Plan to CPUC at least 90 days prior to (a) ordering the first exterior building components to be color treated, or (b) construction of any exterior building component, whichever comes first.</p> <p>Refrain from starting treatment until the Facilities Color Treatment Plan is approved.</p> <p><b>CPUC:</b></p> <p>Review and approve the Facilities Color Treatment Plan.</p> <p>Verify measures in the Plan are implemented as defined during monitoring.</p> | <p>The Plan contains all necessary information.</p> <p>Measures in the Plan are implemented.</p> | <p><b>Timing:</b></p> <p>Submit Plan at least 90 days prior to (a) ordering the first exterior building components to be color treated, or (b) construction of any exterior building component, whichever comes first</p> <p>Monitor during construction when color treatment is applied</p> <p><b>Location:</b></p> <p>Salt Creek Substation</p> | <p>Plans</p> <p>Avoidance and Minimization</p>       |
| <p>Impact Aesthetics-6</p>  | <p><b>Mitigation Measure Aesthetics-3:</b> SDG&amp;E shall submit to the CPUC a Surface Treatment Plan describing the structural steel specifications used at the Salt Creek Substation. Steel specifications in the Surface Treatment Plan must reduce the potential for daytime structural glare. The Surface Treatment Plan shall include samples showing at least three (3) samples of post-production dulling agents applied to the steel structural members. Finishes will be durable, factory or manufacturer-applied, of an appropriate color, and non-specular. The Surface Treatment Plan will also include</p>   | <p><b>SDG&amp;E:</b></p> <p>Submit the Surface Treatment Plan to CPUC at least 90 days prior to (a) ordering the first structures, or (b) construction of the Salt Creek Substation, whichever comes first.</p> <p>Refrain from implementing the Plan until its approval.</p> <p><b>CPUC:</b></p> <p>Review and approve the Surface Treatment Plan or provide revisions to SDG&amp;E within 30 days after the Plan's submittal.</p>  | <p>The Plan contains all necessary information.</p> <p>Measures in the Plan are implemented.</p> | <p><b>Timing:</b></p> <p>Submit Plan at least 90 days prior to (a) ordering the first structures, or (b) construction of the Salt Creek Substation, whichever comes first</p> <p>Review or provide revisions to Plan within 30 days after Plan's submittal</p>  | <p>Plans</p> <p>Avoidance and Minimization</p>       |

APM AND MM IMPLEMENTATION TABLE

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|---|---|---|---|---|--|
|   | <p>maintenance and inspection protocols. The Surface Treatment Plan shall be submitted to the CPUC for approval at least 90 days prior to (a) ordering the first structures, or (b) construction of the Salt Creek Substation, whichever comes first. The CPUC shall approve the Surface Treatment Plan, or otherwise inform SDG&amp;E what modifications to the Surface Treatment Plan are necessary, within 30 days after the Plan's submittal by SDG&amp;E. SDG&amp;E shall not begin construction of the Salt Creek Substation until the Plan has been approved by the CPUC.</p>  | <p>Verify steel structures used during construction conform to the specifications in the Plan.</p>  |   | <p>Materials are installed during construction of Salt Creek Substation<br/><b>Location:</b><br/>Salt Creek Substation</p>  |  |
| <b>Air Quality</b>  |   |   |   |   |  |
| <p><b>Impact Air-2:</b> Potentially violate any air quality standard or contribute substantially to an existing or projected air quality violation<br/><b>Impact Air-3:</b> Potentially result in a cumulative considerable net increase of any criteria pollutant for which the project region is in nonattainment under an applicable federal or state ambient air quality standard<br/><b>Impact Bio-1</b><br/><b>Impact Bio-2</b><br/><b>Impact Bio-3</b><br/><b>Impact Bio-4</b><br/><b>Impact Bio-5</b></p> | <p><b>APM AIR-1: Dust Control:</b> All unpaved demolition and construction areas shall be wetted as needed during construction, and temporary dust covers shall be used to reduce fugitive dust emissions and meet San Diego Air Pollution Control District (SDAPCD) Rule 55 requirements. SDG&amp;E or its contractor shall keep the construction area sufficiently dampened to control dust caused to construction and hauling and at all times provide reasonable dust control of areas subject to windblown erosion. All loads shall be secured by covering or use of at least 2 feet of freeboard to avoid carry-over. All materials transported off-site shall be either sufficiently watered or securely covered. All earth-moving or excavation activities shall be discontinued during period of high winds (i.e., greater than 25 mph) to prevent excessive amount of fugitive dust generation.</p> | <p><b>SDG&amp;E:</b><br/>Wet all unpaved demolition and construction areas as needed to meet SDAPCD Rule 55 requirements.<br/>Secure all earthen material transported off site.<br/>Discontinue activities that create visible dust.<br/><b>CPUC:</b><br/>Verify measure is implemented as defined during monitoring.</p>   | <p>Fugitive dust has been controlled inside and outside of the project area.</p>  | <p><b>Timing:</b><br/>During construction.<br/><b>Location:</b><br/>Applies to all unpaved demolition and construction areas, stockpiles of earthen materials, and all areas where earth-moving or excavation activities occur.</p> | <p>Avoidance and Minimization</p>                    |
| <p>Energy Conservation (See Chapter 7: CEQA Statutory Sections)</p>   | <p><b>APM AIR-2: Vehicle and Equipment Exhaust:</b> SDG&amp;E or its contractors will maintain and operate construction equipment to minimize exhaust emissions. All equipment will be properly tuned and maintained in accordance with manufacturer specifications. During construction, trucks and vehicles in loading and unloading queues will have their engines turned off after 5 minutes when not in use. All areas where construction vehicles are parked, staged, or operating will be visibly posted with signs stating, "No idling in excess of 5 minutes." Construction activities will be phased and scheduled to avoid emissions peaks, and</p>  | <p><b>SDG&amp;E:</b><br/>Properly tune and maintain equipment in accordance with manufacturer specifications.<br/>Turn off trucks and vehicles that idle for longer than 5 minutes.<br/>Post signs stating, "No idling in excess of 5 minutes."<br/>Phase and schedule construction activities to avoid emissions peaks and curtail equipment use during second-stage smog alerts.<br/><b>CPUC:</b></p> | <p>Equipment is properly tuned and maintained.<br/>Trucks and vehicles do not idle for longer than 5 minutes and signs are posted.<br/>Construction activities avoid emissions peaks and are minimized during second-stage smog alerts.</p> | <p><b>Timing:</b><br/>Throughout construction<br/><b>Location:</b><br/>All areas where construction vehicles are parked, staged, or operating</p>   | <p>Avoidance and Minimization</p>                    |

**APM AND MM IMPLEMENTATION TABLE**

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|   | equipment use will be curtailed during second-stage smog alerts.   | Verify measure is implemented as defined during monitoring.   |  |  |  |
| <p><b>Impact Air-1:</b> Conflict with or obstruct implementation of the applicable air quality plans</p> <p><b>Impact Hazards-3</b></p> | <p><b>APM AIR-3: VOC Emissions:</b> Coatings, sealants, adhesives, solvents, asphalt, and architectural coatings will be in conformance with CARB's Suggested Control Measure for Architectural Coatings, and with SDAPCD's VOC Rules 61, 66.1, 67.0, and 67.17.</p>   | <p><b>SDG&amp;E:</b><br/>Conform to CARB's Suggested Control Measure for Architectural Coatings, and to SDAPCD's VOC Rules 61, 66.1, 67.0, and 67.17.</p> <p><b>CPUC:</b><br/>Verify all coatings, sealants, adhesives, solvents, asphalt, and architectural coatings are in conformance.</p>   | All coatings, sealants, adhesives, solvents, asphalt, and architectural coatings are in conformance. | <p><b>Timing:</b><br/>Prior to application of coatings, sealants, adhesives, solvents, asphalt, and architectural coatings</p> <p><b>Location:</b><br/>All locations where coatings, sealants, adhesives, solvents, asphalt, and architectural coatings will be used</p> | Avoidance and Minimization                           |
| <p><b>Impact Air-2</b></p>  | <p><b>Mitigation Measure Air-1:</b> SDG&amp;E shall submit a Dust Control Management Plan to the CPUC for review and approval no less than 30 days prior to construction. The Dust Control Management Plan shall contain measures that provide for conformance to SDAPCD Rule 55 requirements:</p> <ol style="list-style-type: none"> <li>1. No person shall engage in construction or demolition activity in a manner that discharges visible dust emissions into the atmosphere beyond the property line for a period or periods aggregating more than 3 minutes in any 60-minute period; and</li> <li>2. Visible roadway dust as a result of active operations, spillage from transport trucks, erosion, or track-out/carry-out shall: <ol style="list-style-type: none"> <li>i. Be minimized by the use of any of the following or equally effective track-out/carry-out and erosion control measures that apply to the project or operation: track-out gates or gravel beds at each egress point, wheel-washing at each egress during muddy conditions, soil binders, chemical soil stabilizers, geotextiles, mulching, or seeding; and for outbound transport trucks: using secured tarps or cargo covering, watering, or treating of transported material; and</li> <li>ii. Be removed at the conclusion of each work day when active operations cease, or every 24 hours for continuous operations. If a street sweeper is used to remove any track-out/carry out, only PM<sub>10</sub>-efficient street sweepers certified to meet the most current South Coast Air Quality Management District Rule 1186 requirements shall be used. The use of blowers for removal of track-out/carry-</li> </ol> </li> </ol> | <p><b>SDG&amp;E:</b><br/>Submit the Dust Control Management Plan to CPUC at least 30 days prior to construction.</p> <p><b>CPUC:</b><br/>Review and approve the Dust Control Management Plan.<br/>Verify measures in the Plan conform to SDAPCD Rule 55 requirements.<br/>Verify measures in the Plan are implemented as defined during monitoring.</p> | The Plan contains all necessary information.<br>Measures in the Plan are implemented.                | <p><b>Timing:</b><br/>Submit Plan at least 30 days prior to construction<br/>Monitor throughout construction</p> <p><b>Location:</b><br/>All staging and work areas</p>  | Plans<br>Avoidance and Minimization                  |

APM AND MM IMPLEMENTATION TABLE

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|   | <p>out is prohibited under any circumstances.</p> <p>Measures to comply with visible dust emissions restrictions could include:</p> <ul style="list-style-type: none"> <li>• Watering or applying soil stabilizers to areas with loose dust</li> <li>• Ceasing earth moving activities when wind speed exceeds 20 miles per hour</li> <li>• Covering soil stockpiles</li> </ul>  |  |   |  |  |
| <b>Biological Resources</b>   |  |  |   |  |  |
| <p><b>Impact Bio-4:</b> Potential for substantial adverse effect from project construction, either directly or through habitat modifications, on any avian species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or the USFWS</p>  | <p><b>APM BIO-1: Burrowing Owl:</b> SDG&amp;E will coordinate with CDFW to implement the avoidance and minimization measures, as needed and as appropriate, to avoid impacts to western burrowing owl. If western burrowing owl occupancy on site is confirmed during pre-construction take avoidance surveys, SDG&amp;E will implement the CDFW-approved "Burrowing Owl Monitoring and Mitigation Plan" in coordination with CDFW.</p>  | <p><b>SDG&amp;E:</b><br/>Coordinate with CDFW to implement measures to avoid impacts to western burrowing owl.<br/><br/>Implement the Burrowing Owl Monitoring and Mitigation Plan if burrowing owl is confirmed on site.<br/><b>CPUC:</b><br/>During monitoring, verify implementation of avoidance measures.<br/><br/>If necessary, verify measures in the Burrowing Owl Monitoring and Mitigation Plan are implemented during monitoring.</p>   | <p>Impacts to western burrowing owl are avoided.<br/><br/>Measures in the Plan are implemented, if necessary.</p>   | <p><b>Timing:</b><br/>Coordinate with CDFW and monitor throughout construction<br/><br/><b>Location:</b><br/>Entire project area</p>   | <p>Plans<br/>Permits and Authorizations</p>                      |
| <p><b>Impact Bio-1:</b> Potential for substantial adverse effect from project construction, either directly or through habitat modifications, on any plant species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or the USFWS</p> <p><b>Impact Bio-3:</b> Potential for substantial adverse effect from project construction, either directly or through habitat modifications, on any reptile species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations,</p> | <p><b>APM BIO-2: SDG&amp;E Subregional Natural Communities Conservation Plan:</b> The Proposed Project will avoid and minimize impacts to biological resources through implementation of the SDG&amp;E Subregional NCCP, which is a comprehensive conservation-based approach that provides more effective species protection than project-by-project conservation planning would achieve. The SDG&amp;E Subregional NCCP establishes a mechanism for addressing biological resource impacts incidental to the development, maintenance, and repair of SDG&amp;E facilities within the SDG&amp;E Subregional NCCP coverage area. The Proposed Project is located within the SDG&amp;E Subregional NCCP coverage area.</p> <p>The SDG&amp;E Subregional NCCP includes a Federal ESA Section 10(A) permit and a California ESA Section 2081 Memorandum of Understanding (for incidental take) with an Implementation Agreement with USFWS and CDFW, respectively, for the management and conservation of multiple species and their associated habitats, as established according to the federal and state ESAs and California's NCCP Act. The NCCP's Implementing</p> | <p><b>SDG&amp;E:</b><br/>Implement the SDG&amp;E Subregional NCCP, including all operating conditions.<br/>Perform a verification survey of the proposed project disturbance areas.<br/>Biological monitors will be present as needed to implement measures in the Subregional NCCP and to survey any additional impact areas as needed.<br/>Biological monitors will perform a survey of the entire project area after construction is complete and determine actual impacts.<br/>Prepare a Post-Construction Report. Submit the NCCP Annual Report, which will contain all findings in the Post-Construction Report, to CDFW and USFWS.<br/>Provide the CPUC with copies of permits or other authorizations including any future amendments to the NCCP, and supporting documentation, to show that compliance with permitting conditions will be equally or more effective as mitigation for impacts to biological resources, if applicable.<br/><b>CPUC:</b></p> | <p>Impacts to sensitive biological resources are avoided or mitigated appropriately and in accordance with SDG&amp;E's Subregional NCCP.<br/><br/>The Post-Construction Report and NCCP Annual Report accurately reflect impacts and corresponding compensatory mitigation.</p> | <p><b>Timing:</b><br/>Perform verification survey prior to start of construction<br/>Biological monitors present throughout construction<br/>Perform completion survey of entire project area after construction is complete<br/>Submit Post-Construction Report and NCCP Annual Report after construction is complete<br/><br/><b>Location:</b><br/>Entire project area</p> | <p>Permits and Authorizations<br/>Avoidance and Minimization</p> |



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| <p>or by the CDFW or the USFWS</p> <p><b>Impact Bio-4</b></p> <p><b>Impact Bio-5:</b> Potential to have a substantial adverse effect from project construction, either directly or through habitat modifications, on any mammalian species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or the USFWS</p> <p><b>Impact Bio 6:</b> Potential to have a substantial adverse effect from project operation and maintenance, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or the USFWS</p> <p><b>Impact Bio-7:</b> Potential to cause a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by CDFW or USFWS</p> | <p>Agreement confirms that the mitigation, compensation, and enhancement obligations contained in the Agreement and SDG&amp;E Subregional NCCP meet all relevant standards and requirements of the California ESA, the federal ESA, the NCCP Act, and the Native Plant Protection Act with regard to SDG&amp;E's activities in the Subregional NCCP Plan Area.</p> <p>Pursuant to the SDG&amp;E Subregional NCCP, SDG&amp;E conducted pre-construction studies for all activities occurring off of existing access roads in natural areas. An independent biological consulting firm surveyed all Proposed Project impact areas and prepared a Pre-Activity Study Report (PSR) outlining all anticipated impacts related to the Proposed Project. The Proposed Project will include monitoring, as recommended by the PSR and outlined in the SDG&amp;E Subregional NCCP, as well as other avoidance and minimization measures outlined in the NCCP's Operational Protocols. Prior to the commencement of construction, a verification survey of the Proposed Project disturbance areas will be conducted, as required by the SDG&amp;E Subregional NCCP.</p> <p>Biological monitors will be present as needed during construction to ensure implementation of the avoidance and minimization measures set forth in the NCCP. If the previously delineated work areas must be expanded or modified during construction, the monitors will survey the additional impact area to determine if any sensitive resources will be impacted by the proposed activities, to identify avoidance and minimization measures, and to document any additional impacts. Any additional impacts would be included in a Post-Construction Report (PCR) to calculate the appropriate mitigation, which generally includes site enhancement or credit withdrawal from SDG&amp;E mitigation bank credits.</p> <p>Alternatively, SDG&amp;E may utilize the 11.0959 acres of purchased conveyance land credits in the Otay Ranch Preserve in lieu of drawing down additional credits from SDG&amp;E's NCCP credits. When construction is complete, the biological monitor will conduct a survey of the entire Proposed Project area to determine actual impacts from construction. The PCR will determine how much site enhancement and credit withdrawal from the SDG&amp;E mitigation</p> | <p>Verify measures in the SDG&amp;E Subregional NCCP are implemented during monitoring.</p> <p>Verify biological monitoring is performed as defined in the measure during monitoring.</p> <p>Verify reports are prepared and the NCCP Annual Report is submitted to CDFW and USFWS.</p> <p>The CPUC will determine whether compliance with permit conditions will also satisfy the performance standards or requirements identified in mitigation measures in this EIR; SDG&amp;E will submit adequate documentation to CPUC to verify compliance.</p> |                        |                     |  |

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|        | <p>bank would be required to address impacts from activities related to the Proposed Project. These impact and mitigation credit calculations will be submitted to USFWS and CDFW as part of the NCCP Annual Report, pursuant to requirements of the NCCP and the NCCP Implementing Agreement.</p> <p>Specific operating restrictions that are incorporated into the Proposed Project to comply with the SDG&amp;E Subregional NCCP include the following:</p> <ul style="list-style-type: none"> <li>• Vehicles will be kept on access roads and limited to 15 miles per hour (Section 7.1.1, 1.).</li> <li>• No wildlife, including rattlesnakes, may be harmed, except to protect life and limb (7.1.1, 2.).</li> <li>• Feeding of wildlife is not allowed (Section 7.1.1, 4.).</li> <li>• No pets are allowed within the ROW (Section 7.1.1, 5.).</li> <li>• Plant or wildlife species may not be collected for pets or any other reason. (Section 7.1.1, 7).</li> <li>• Littering is not allowed, and no food or waste will be left on the ROW or adjacent properties (Section 7.1.1, 8.).</li> <li>• Measures to prevent or minimize wild fires will be implemented, including exercising care when driving and not parking vehicles where catalytic converters can ignite dry vegetation (Section 7.1.1, 9.).</li> <li>• Field crews shall refer all environmental issues, including wildlife relocation, dead, or sick wildlife, or questions regarding environmental impacts to the Environmental Surveyor. Biologists or experts in wildlife handling may be necessary to assist with wildlife relocations (Section 7.1.1, 10.).</li> <li>• All SDG&amp;E personnel will participate in an environmental training program conducted by SDG&amp;E, with annual updates (Section 7.1.2, 11.).</li> <li>• The Environmental Surveyor shall conduct preactivity studies for all activities occurring in natural areas, and will complete a preactivity study form including recommendations for review by a biologist and construction monitoring, if appropriate. The form will be provided to CDFW and USFWS but does not require their approval (Section 7.1.3, 13.).</li> <li>• The Environmental Surveyor shall flag boundaries of habitats to be avoided and, if</li> </ul> |                                  |                        |                     |  |

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|  | <p>necessary, the construction work boundaries (Section 7.1.3, 14.).</p> <ul style="list-style-type: none"> <li>• The Environmental Surveyor must approve of activity prior to working in sensitive areas where disturbance to habitat may be unavoidable (Section 7.1.4, 25.).</li> <li>• In the event SDG&amp;E identifies a covered species (listed as threatened or endangered by the federal or state) of plant within the temporary work area (10 foot radius) surrounding a power pole, SDG&amp;E would notify the USFWS (for Federal ESA listed plants) and CDFW (for California ESA listed plants) (Section 7.1.4, 28.).</li> <li>• The Environmental Surveyor shall conduct monitoring as recommended in the preactivity study form (Section 7.1.4, 35.).</li> <li>• Supplies, equipment, or construction excavations where wildlife could hide (e.g., pipes, culverts, pole holes, trenches) shall be inspected prior to moving or working on/in them (Section 7.1.4, 37, and 38.).</li> <li>• Fugitive dust will be controlled by regular watering and speed limits (Section 7.1.4, 39.).</li> <li>• During the nesting season, the presence or absence of nesting species (including raptors) shall be determined by a biologist who would recommend appropriate avoidance and minimization measures (Section 7.1.6, 50).</li> <li>• Maintenance or construction vehicle access through willow creeks or streams is allowed. However no filling for access purposes in waterways is allowed (Section 7.1.7, 52).</li> <li>• Staging/storage areas for equipment and materials shall be located outside of riparian areas (Section 7.1.7, 53.).</li> </ul> |   |   |  |  |
| <p><b>Impact Bio-5</b></p>   | <p><b>APM BIO-3: Cover Excavations:</b> SDG&amp;E will inspect and cover all excavated pole holes at the end of each day and when not in use, using suitable materials to prevent human and animal entrapment (e.g., plywood boards, plastic covering, gravel, and/or sand bags).</p>  | <p><b>SDG&amp;E:</b><br/>Inspect and cover all excavated pole holes as defined in the measure.<br/><b>CPUC:</b><br/>Verify measure is implemented as defined during monitoring.</p>                                   | <p>Excavated pole holes are covered with appropriate materials and avoid human and animal entrapment.</p>   | <p><b>Timing:</b><br/>Throughout construction<br/><b>Location:</b><br/>All excavated pole holes</p>                                  | <p>Avoidance and Minimization</p>                    |
| <p><b>Impact Bio-1</b><br/><b>Impact Bio-2:</b> Potential for substantial adverse effect from project construction, either directly or through</p> | <p><b>APM BIO-4: Restoring Temporarily Disturbed Areas:</b> SDG&amp;E will restore all areas that are temporarily disturbed by project activities (e.g., stringing sites, structure removal sites, and staging areas) to approximate preconstruction conditions following completion of construction, as needed and appropriate. Disturbed areas</p>   | <p><b>SDG&amp;E:</b><br/>Restore all areas temporarily disturbed by the project to approximate preconstruction conditions.<br/>Recycle or dispose of all construction materials and debris from the project area.</p> | <p>All temporarily disturbed areas are restored to approximately preconstruction conditions.<br/>All construction materials and debris are removed from the</p> | <p><b>Timing:</b><br/>Restore areas and remove materials after construction is complete<br/>Survey after restoration is complete</p> | <p>Avoidance and Minimization</p>                    |

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|--|---|---|--|--|---|
| <p>habitat modifications, on any invertebrate species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or the USFWS</p> <p><b>Impact Bio-3</b><br/> <b>Impact Bio-4</b><br/> <b>Impact Bio-5</b><br/> <b>Impact Bio-7</b><br/> <b>Impact Aesthetics-2</b></p>  | <p>will be revegetated where appropriate (to re-establish a natural-appearing landscape and reduce potential visual contrast with the surrounding landscape). Revegetation in certain areas will not be possible due to vegetation management requirements related to fire safety. Restoration could include reseeding, planting replacement vegetation, or replacement of structures (such as fences), as appropriate. In addition, all construction materials and debris will be removed from the project area and recycled or properly disposed of off site. SDG&amp;E will conduct a final survey after restoration to ensure that clean-up activities are successfully completed as required.</p>  | <p>Conduct a final survey after restoration.</p> <p><b>CPUC:</b><br/> Verify all restoration, revegetation, and clean-up activities are successfully completed.</p>   | <p>project site and disposed of properly.</p>  | <p><b>Location:</b><br/> All areas temporarily disturbed by the project</p>  |   |
| <p><b>Impact Bio-1</b><br/> <b>Impact Bio-2</b><br/> <b>Impact Bio-5</b><br/> <b>Impact Bio-6:</b> Potential to have a substantial adverse effect from project operation and maintenance, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or the USFWS</p> | <p><b>Mitigation Measure Biology-1a:</b> The following operational protocols shall be adhered to by SDG&amp;E.</p> <p><i>General Behavior for all Field Personnel</i></p> <ol style="list-style-type: none"> <li>1. Vehicles must be kept on access roads. A 15 mile-per-hour speed limit shall be observed on dirt access to allow for reptile species to disperse. Vehicles must be turned around in established or designated areas only.</li> <li>2. No wildlife, including rattlesnakes, may be harmed, except to protect life and limb.</li> <li>3. Firearms shall be prohibited on the right-of-way except for those used by security personnel.</li> <li>4. Feeding of wildlife is not allowed.</li> <li>5. SDG&amp;E personnel are not allowed to bring pets on the rights-of-way in order to minimize harassment or killing of wildlife and to prevent the introduction of destructive domestic animal diseases to native wildlife populations.</li> <li>6. Plant or wildlife species may not be collected for pets or any other reason.</li> <li>7. Littering is not allowed. SDG&amp;E shall not deposit or leave any food or waste on the rights-of-way or adjacent property.</li> <li>8. Wild Fires shall be prevented or minimized by exercising care when driving and by not parking vehicles where catalytic converters can</li> </ol> | <p><b>SDG&amp;E:</b><br/> Follow general behavior protocols for all field personnel.<br/> Conduct environmental training for staff prior to personnel conducting work on the project, and submit a copy of the training materials to the CPUC.<br/> Pre-activity survey will be conducted no earlier than 30 days prior to surface disturbance.<br/> Follow protocols for maintenance, construction of access roads, survey work, and emergency repairs.<br/> Provide the CPUC with copies of permits or other authorizations including any future amendments to the NCCP, and supporting documentation, to show that compliance with permitting conditions will be equally or more effective as mitigation for impacts to biological resources, if applicable.</p> <p><b>CPUC:</b><br/> Verify that SDG&amp;E follows general behavior protocol for all field personnel.<br/> Verify environmental training.<br/> Verify that pre-activity surveys are conducted.<br/> Verify that SDG&amp;E follows protocols for maintenance, construction of access roads, survey work, and emergency repairs.<br/> The CPUC will determine whether compliance with permit conditions will also satisfy the</p> | <p>SDG&amp;E follows protocols in this mitigation measure<br/> Environmental training prior to construction.<br/> Pre-activity surveys are adequately completed.</p> | <p><b>Timing:</b><br/> Staff environmental training prior to construction<br/> Pre-activity surveys 30 days prior to surface disturbance<br/> <b>Location:</b><br/> All project work areas</p> | <p>Avoidance and Minimization<br/> Worker Training<br/> Surveys<br/> Monitoring Reporting</p> |

## APM AND MM IMPLEMENTATION TABLE

- ignite dry vegetation. In times of high fire hazard, it may be necessary for trucks to carry water and shovels, or fire extinguishers in the field. The use of shields, protective mats, or other fire prevention methods shall be used during grinding and welding to prevent or minimize the potential for fire. Care should be exhibited when smoking in natural habitats.
9. Field crews shall refer environmental issues including wildlife relocation, dead or sick wildlife, hazardous waste, or questions about avoiding environmental impact to the Qualified Biologist. Additional biologists or experts in wildlife handling may need to be brought in by the Qualified Biologist for assistance with wildlife relocations.

### *Qualified Biologist*

10. San Diego Gas & Electric (SDG&E) shall retain qualified biologists and other qualified resource specialists, as necessary, to monitor all project construction activities that could reasonably result in impacts to biological resources. All monitor qualifications shall be reviewed and approved by the California Public Utilities Commission (CPUC) prior to conducting monitoring activities for the project. Monitors shall be responsible for pre-activity surveys, work area delineations (i.e., staking, flagging, etc.) to comply with the mitigation measures in this EIR including on-site monitoring and documentation of violations and compliance.

### *Training*

11. An environmental training program shall be developed and presented to all crew members prior to the beginning of all project construction. The training shall describe special-status plant and wildlife species and sensitive habitats that could occur within project areas, protection afforded to these species and avoidance and minimization measures required to avoid and/or minimize impacts from the project. Penalties for violations of environmental laws

performance standards or requirements identified in mitigation measures.

## APM AND MM IMPLEMENTATION TABLE

shall also be incorporated into the training session. Each crewmember shall be provided with an informational training handout and a decal to indicate that he/she has attended the training. The roles and responsibilities of the CPUC-approved biologists and other environmental representatives shall be identified in the Mitigation Monitoring, Compliance, and Reporting Program (MMCRP) and discussed during the training. All new construction personnel shall receive this training before beginning work on this project.

A copy of the training and training materials shall be provided to CPUC for review and approval at least 30 days prior to the start of construction. Training logs and sign-in sheets shall be provided to CPUC on a monthly basis. As needed, in-field training shall be provided to new on-site construction personnel by the environmental compliance supervisor or a qualified individual who shall be identified by the Qualified Biologist, or initial training shall be recorded and replayed for new personnel.

### *Pre-activity Surveys*

12. The Qualified Biologist shall conduct a pre-activity survey for all activities occurring off of access roads in natural areas. The pre-activity survey will be conducted no earlier than 30 days prior to surface disturbance. The results of the pre-activity survey will be documented by the Qualified Biologist in a pre-activity survey report. The pre-activity survey report will be submitted to the CPUC for review and approval and the results shall be submitted to CDFW and USFWS as required by any other regulatory permits or approvals.

The pre-activity study report will include the following:

- Type, location, and size of project

## APM AND MM IMPLEMENTATION TABLE

- Date, time, weather, surrounding land uses
- Evaluation of type and quality of habitat
- Work description and methods which will be used to avoid or minimize ground disturbance, including biological monitoring during construction
- Anticipated impacts and proposed mitigation
- Map of location of work area

In those situations where the Qualified Biologist cannot make a definitive species identification, the Qualified Biologist shall make a determination based on the available evidence and professional expertise

13. In order to ensure that habitats are not inadvertently impacted, the Qualified Biologist shall determine the extent of habitat and flag boundaries of habitat which must be avoided. When necessary, the Qualified Biologist should also demark appropriate equipment laydown areas, vehicle turn around areas, and pads for placement of large construction equipment such as cranes, bucket trucks, augers, etc. When appropriate, the Qualified Biologist shall make office and/or field presentations to field staff to review and become familiar with natural resources to be protected on a project specific basis.
14. SDG&E will maintain a library of rare plant locations known to SDG&E occurring within the project area. "Known" means a verified population, either extant or documented using record data. Information on known sites may come from a variety of record data sources including local agency Habitat Conservation Plans, pre-activity surveys, or biological surveys conducted for environmental compliance on a project site (e.g. initial study), but there is no requirement for development of original biological data. Plant inventories shall be

## APM AND MM IMPLEMENTATION TABLE

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consulted as part of pre-activity survey procedures.

### *Maintenance, Repair, and Construction of Facilities*

15. Maintenance, repair and construction activities shall be designed and implemented to minimize new disturbance, erosion on manufactured and other slopes, and off-site degradation from accelerated sedimentation, and to reduce maintenance and repair costs.
  16. Routine maintenance of all Facilities includes visual inspections on a regular basis, conducted from vehicles driven on the access roads where possible. If it is necessary to inspect areas which cannot be seen from the roads, the inspection shall be done on foot, or from the air.
  17. Erosion will be minimized on access roads and other locations primarily with water bars. The water bars are mounds of soil shaped to direct flow and prevent erosion.
  18. Hydrologic impact will be minimized through the use of state-of-the-art technical design and construction techniques to minimize ponding, eliminate flood hazards, and avoid erosion and siltation into any creeks, streams, rivers, or bodies of water by use of Best Management Practices.
  19. When siting new facilities, every effort will be made to cross the wetland habitat perpendicular to the watercourse, spanning the watercourse to minimize the amount of disturbance to riparian area.
  20. During repair or maintenance of facilities in a streambed, water may be temporarily diverted as long as the natural drainage patterns are restored after disturbance to minimize the impact of the disturbances and help to reestablish or enhance the native habitat. Erosion control during construction in a streambed in the form of intermittent check dams and culverts should also be considered to prevent alteration to natural drainage pattern and prevent siltation.
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## APM AND MM IMPLEMENTATION TABLE

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21. Impact to wetlands shall be minimized by avoiding pushing soil or brush into washes or ravines.
  22. During work on facilities, all trucks, tools, and equipment should be kept on existing access roads or cleared areas, to the extent possible.
  23. Qualified Biologist must approve of an activity prior to working in any sensitive area where disturbance to habitat may be unavoidable.
  24. Insulator washing is allowed from access roads if other applicable protocols are followed
  25. Brush clearing around facilities for fire protection shall not be conducted from March through August without prior approval by the Qualified Biologist. The Qualified Biologist will make sure that the habitat contains no active nests, burrows, or dens prior to clearing.  
In the event SDG&E identifies a special-status plant within a 10-foot radius around power poles, which is the area required to be cleared for fire protection purposes, SDG&E shall notify USFWS (for ESA listed plants), and CDFW (for CESA listed plants), in writing, of the plant's identity and location and of the proposed Activity, which will result in a Take of such plant. Notification will occur ten (10) working days prior to such Activity, during which time USFWS or CDFW may remove such plant(s). If neither USFWS nor CDFW have removed such plant(s) with the ten (10) working days following the notice, SDG&E may proceed to complete its fire clearing and cause a Take of such plant(s) consistent with SDG&E's take coverage for the ESA or CESA listed plants.  
When fire clearing is necessary in instances other than around power poles, and the potential for impacts to special-status species exist, SDG&E will follow the pre-activity study and notification procedures in number 12, above.
  26. Wire stringing is allowed year round in sensitive habitats if conductor is not allowed to drag on ground or
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## APM AND MM IMPLEMENTATION TABLE

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- in brush and vehicles remain on access roads.
27. Maintenance of cut and fill slopes shall consist primarily of erosion repair. In situations where revegetation would improve the success of erosion control, planting or seeding with native hydroseed mix may be done on slopes.
28. Spoils created during maintenance operations shall be disposed of only on previously disturbed areas designated by the Qualified Biologist or used immediately to fill eroded areas. Cleared vegetation shall be hauled off the rights-of-way to a permitted disposal location.
29. The Qualified Biologist should be contacted to perform a pre-activity survey when trimming is planned in environmentally sensitive areas. Whenever possible, trees will be scheduled for trimming in the non-breeding season.
30. If any previously unidentified dens, burrows, or plants are located on any project site after the pre-activity survey, the Qualified Biologist shall be contacted. Qualified Biologist will determine how to best avoid or minimize impacting the resource by considering such methods as project or work plan redevelopment, equipment placement or construction method modification, seasonal/time of day limitations, etc. The Qualified Biologist shall report the dens, burrows, or plants to the CPUC and describe the method for avoidance and minimization of the resource consistent with the APMs and mitigation measures in this EIR.
31. The Qualified Biologist shall conduct monitoring as recommended in the pre-activity survey report. At completion of work, the Qualified Biologist shall check to verify compliance; including observing that flagged area have been avoided and that reclamation has been properly implemented. Also at completion of work, the Qualified Biologist is responsible for removing all habitat flagging from the construction site.
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## APM AND MM IMPLEMENTATION TABLE

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32. The Qualified Biologist shall conduct checks on mowing procedures, to ensure that mowing is limited to a 12-foot wide area on straight portions of the road (slightly wider on radius turns), and that the mowing height is no less than 4 inches.
  33. Supplies or equipment where wildlife could hide (e.g., pipes, culverts, pole holes) shall be inspected prior to moving or working on them to reduce the potential for injury to wildlife. Supplies or equipment that cannot be inspected or from which animals could not be removed shall be capped or otherwise covered at the end of each work day. Old piping or other supplies that have been left open, shall not be capped until inspected and any species found in it allowed to escape. Ramping shall be provided in open trenches when necessary. If an animal is found entrapped in supplies or equipment, such as a pipe section, the supplies or equipment shall be avoided and the animal(s) left to leave on its own accord, except as otherwise authorized by CDFW.
  34. All steep-walled trenches or excavations used during construction shall be inspected twice daily (early morning and evening) to protect against wildlife entrapment. If wildlife are located in the trench or excavation, the Qualified Biologist shall be called immediately to remove them if they cannot escape unimpeded.
  35. Large amounts of fugitive dust could interfere with photosynthesis. Fugitive dust created during clearing, grading, earth-moving, excavation or other construction activities will be controlled by regular watering. At all times, fugitive dust emissions will be controlled by limiting on-site vehicle speed to 15 miles per hour.
  36. Before using pesticides in areas where burrowing owls may be found, a pre-activity survey will be conducted.

*Maintenance of access roads shall consist of:*

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## APM AND MM IMPLEMENTATION TABLE

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37. Repair erosion by grading, addition of fill, and compacting. In each case of repair, the total area of disturbance shall be minimized by careful access and use of appropriately sized equipment. Repairs shall be done after pre-activity surveys conducted by the Qualified Biologist and in accordance with the recommendations regarding construction monitoring and relevant protocols. Consideration should be given to source of erosion problem, when source is within SDG&E control.
  38. Vegetation control through grading should be used only where the vegetation obscured the inspection of facilities, access may be entirely lost or the threat of Facility failure or fire hazard exists. The graded access road area should not exceed 12-feet-wide on straight portions (radius turns may be slightly wider).
  39. Mowing habitat can be an effective method for protecting the vegetative understory while at the same time creating access to a work area. Mowing should be used when permanent access is not required since, with time, total revegetation is expected. If mowing is in response to a permanent access need, but the alternative of grading is undesirable because of downstream siltation potential, it should be recognized that periodic mowing will be necessary to maintain permanent access.
  40. Maintenance work on access roads should not expand the existing road bed.
  41. Material for filling in road ruts should never be obtained from the sides of the road, which contain habitat, without approval from Qualified Biologist.
- Construction of new access roads shall comply with the following:*
42. SDG&E access roads will be designed and constructed according to the SDG&E *Guide for Encroachment on Transmission Rights-of-Way (4/91)*.
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## APM AND MM IMPLEMENTATION TABLE

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43. Access roads will be made available to managers of the regional preserve system subject to coordination with SDG&E.
  44. New access roads shall be designed to be placed in previously disturbed areas and areas which require the least amount of grading in sensitive areas during construction whenever possible. Preference shall be given to the use of stub roads rather than lining facilities tangentially.
  45. SDG&E will consider providing access control on access roads leading into the regional preserve system where such control provides benefit to sensitive resources.
  46. New access road construction is allowed year round. Every effort shall be made to avoid constructing roads during the nesting season. During the nesting season, the presence or absence of nesting species shall be determined by a biologist and appropriate avoidance and minimization recommendations followed.

### *Construction and Maintenance of Access Roads through Stream Beds*

47. Construction of new access roads through streambeds requires a Streambed Alteration Agreement from CDFW and/or consultation with the Army Corps of Engineers.
48. Maintenance or construction vehicle access through shallow creeks or streams is allowed. However, no filing for access purposes in waterways is allowed without the installation of appropriately sized culverts. The use of geotextile matting should be considered when it would protect wetland species.
49. Staging/storage area for equipment and materials shall be located outside of riparian area.

### *Survey Work*

50. Brush clearing for foot path or line-of-sight cutting is not allowed from March through August in sensitive habitats without prior approval from the Qualified Biologist, who
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APM AND MM IMPLEMENTATION TABLE

| Impact                               | APM/Mitigation Measure <sup>1</sup>   | Monitoring/Reporting Requirement   | Effectiveness Criteria         | Timing and Location  | Requirement Categories and Tracking Table References |
|--------------------------------------|---|--|--------------------------------|--|--|
|                                      | <p>will ensure the brush clearing activity, does not adversely affect a sensitive species.</p> <p>51. SDG&amp;E survey personnel must keep vehicles on existing access roads. No clearing of brush for panel point placement is allowed from March through August without prior approval from the Qualified Biologist.</p> <p>52. Hiking off roads or paths for survey data collection is allowed year round so long as other protocols are met.</p> <p><i>Emergency Repairs</i></p> <p>53. During a system emergency, unnecessary carelessness which results in environmental damage is prohibited.</p> <p>54. Emergency repair of facilities is required in situations which potentially or immediately threaten the integrity of the SDG&amp;E system, such as pipe leaks or downed lines, slumps, slides, major subsidence, etc. During emergency repairs this mitigation measure shall continue to be followed to fullest extent possible.</p> <p>55. Once the emergency has stabilized, any unavoidable environmental damage will be reported to the Qualified Biologist by the foreman. The Qualified Biologist will develop a mitigation plan and ensure its implementation is consistent with this mitigation measure.</p> |  |                                |  |  |
| <p>Impact Bio-1<br/>Impact Bio-7</p> | <p><b>Mitigation Measure Biology-1b:</b> <i>Compensatory Mitigation and Habitat Enhancement Measures</i></p> <p>SDG&amp;E will provide compensatory mitigation for temporary and permanent impacts to vegetation communities caused by the proposed project. SDG&amp;E shall follow the guidelines set in Sections 7.2 and 7.4 of the NCCP dated 1995. SDG&amp;E shall provide CPUC with evidence of available habitat mitigation lands for project temporary and permanent impacts to vegetation communities at least 30 days prior to the start of construction. If SDG&amp;E proposes to conduct on-site habitat enhancement activities as defined by the</p>  | <p><b>SDG&amp;E:</b></p> <p>SDG&amp;E will provide compensatory mitigation for temporary and permanent impacts to vegetation communities and provide CPUC with evidence of available habitat mitigation lands for project temporary and permanent impacts to vegetation communities or a habitat enhancement plan at least 30 days prior to the start of construction.</p> <p>Monitoring habitat enhancement for 3 years and until success criteria are met.</p> <p>Provide the CPUC with copies of permits or other authorizations including any future</p> | <p>Compensatory mitigation</p> | <p><b>Timing:</b></p> <p>Submit evidence of available habitat mitigation lands and habitat enhancement plan at least 30 days prior to construction</p> <p>Monitoring for compensatory mitigation</p> | <p>Avoidance and Minimization</p>                    |

APM AND MM IMPLEMENTATION TABLE

| Impact   | APM/Mitigation Measure <sup>1</sup>  | Monitoring/Reporting Requirement   | Effectiveness Criteria  | Timing and Location  | Requirement Categories and Tracking Table References                                 |
|--|--|--|---|--|--|
|  | <p>NCCP Habitat Enhancement in lieu of preservation of habitats within a mitigation bank or withdrawal of mitigation credits from the existing SDG&amp;E Mitigation Bank, SDG&amp;E shall submit a habitat enhancement plan to CPUC at least 30 days prior to the start of construction for CPUC review and approval. At a minimum, the habitat enhancement plan must demonstrate the enhancement of vegetation communities impacted by the project, define the methods used to enhance the habitat, and include monitoring for at least 3 years and until success criteria are met. Success criteria for habitat enhancement including mitigation ratios will be as defined by the NCCP Enhancement Program. Permanent impacts shall be mitigated at a 2:1 ratio for all the impacts inside of a preserve and a 1:1 ratio for all the impacts outside of a preserve.</p>  | <p>amendments to the NCCP, and supporting documentation, to show that compliance with permitting conditions will be equally or more effective as mitigation for impacts to biological resources, if applicable.</p> <p><b>CPUC:</b><br/>Verify evidence of available habitat mitigation lands at least 30 days prior to the start of construction.<br/>Review and approve habitat enhancement plan at least 30 days prior to the start of construction<br/>Verify monitoring of compensatory mitigation. The CPUC will determine whether compliance with permit conditions will also satisfy the performance standards or requirements identified in mitigation measures in this EIR; SDG&amp;E will submit adequate documentation to CPUC to verify compliance.</p> |   | <p>for 3 years and until success criteria are met</p> <p><b>Location:</b><br/>All project work areas and off-site for compensatory mitigation</p>  |  |
| <p><b>Impact Bio-1</b><br/><b>Impact Bio-2</b></p>                         | <p><b>Mitigation Measure Biology-2:</b> Impacts to special-status plant species shall be avoided to the extent feasible. Where impacts to special-status plant species are unavoidable, the impact shall be quantified and compensated through off-site land preservation and/or plant salvage and relocation. Where off-site land preservation is biologically preferred, the land shall contain comparable special-status plant resources as the impacted lands and shall include long-term management and legal protection assurances to the satisfaction of the CPUC. Land preservation must be completed within 18 months of construction start. Where salvage and relocation is demonstrated to be feasible and biologically preferred, it shall be conducted pursuant to an agency-approved plan that details the methods for salvage, stockpiling, and replanting, as well as the characteristics of the receiver sites. The plan shall also define the monitoring strategy with a minimum of annual monitoring for 5 years and until success criteria are met. Success criteria shall include a minimum of 1:1 replacement of the impacted population with 2:1 mitigation for Otay tarplant. Any salvage and relocation plans must be approved by CDFW, USFWS, and CPUC at least 30 days prior to project construction.</p> | <p><b>SDG&amp;E:</b><br/>Avoid special-status plants during construction.<br/>Complete land preservation for compensatory mitigation within 18 months of construction, or submit a salvage and relocation plan 30 days prior to project construction to CDFW, USFWS, and CPUC.<br/>Monitor salvaged and relocated special-status plants for 5 years.</p> <p><b>CPUC:</b><br/>Verify SDG&amp;E methods to avoid special-status plants.<br/>Verify land preservation for compensatory mitigation within 18 months of construction.<br/>Approve salvage and relocation plans 30 days prior to project construction.<br/>Verify monitoring for special-status plants.</p>  | <p>Avoidance of special-status plants<br/>Impacted special-status plants are mitigated off-site</p> | <p><b>Timing:</b><br/>Land preservation within 18 months of start of construction<br/>Salvage and relocation plans 30 days prior to construction<br/>Monitoring for 5 years</p> <p><b>Location:</b><br/>Off-site</p> | <p>Plans<br/>Surveys<br/>Monitoring<br/>Reporting<br/>Avoidance and Minimization</p> |
| <p><b>Impact Bio-1</b><br/><b>Impact Bio-2</b><br/><b>Impact Bio-4</b></p> | <p><b>Mitigation Measure Biology-3:</b> Precautions shall be taken to minimize the introduction and</p>  | <p><b>SDG&amp;E:</b><br/>Survey work areas for weed populations rated High or Moderate.</p>  | <p>All seeds, plants, straw, gravel, and fill material on site are certified weed-free.</p>         | <p><b>Timing:</b><br/>Survey prior to construction</p>   | <p>Surveys<br/>Monitoring<br/>Reporting</p>  |

APM AND MM IMPLEMENTATION TABLE

| Impact   | APM/Mitigation Measure <sup>1</sup>  | Monitoring/Reporting Requirement  | Effectiveness Criteria   | Timing and Location  | Requirement Categories and Tracking Table References |
|--|--|---|--|--|--|
| <p><b>Impact Bio-5</b><br/> <b>Impact Bio-7</b><br/> <b>Impact Bio-8:</b> Potential to cause a substantial adverse effect on federally protected wetlands as defined by Section 404 of the CWA (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means</p> | <p>spread of invasive weeds. Weed control shall include the following:</p> <ol style="list-style-type: none"> <li>1. Prior to construction, all work areas within SDG&amp;E ROW shall be reviewed for the presence of weed populations that are rated High or Moderate for negative ecological impact in the California Invasive Plant Inventory Database (<a href="http://www.cal-ipc.org/paf/">http://www.cal-ipc.org/paf/</a>). These plant species shall be mapped and density of occurrence within the project area determined prior to commencement of ground disturbing activities. All Cal-IPC High or Moderate species with limited occurrence within 15 feet of project impact areas shall be treated or mechanically removed prior to construction according to control methods and practices for invasive weed populations designed per California Invasive Plant Council (Cal-IPC) recommendations. Cal-IPC High and Moderate species that are ubiquitous within and adjacent to the project area shall be treated when the percent cover of these weed species exceeds baseline conditions in the area. Ornamental plant species that have been planted within the project area shall be excluded from all weed control efforts.</li> <li>2. Weed control treatments shall include all legally permitted chemical, manual, and mechanical methods. The application of herbicides shall be in compliance with all state and federal laws and regulations under the prescription of a licensed Pest Control Advisor (PCA) and implemented by a licensed Qualified Applicator. Where manual and/or mechanical methods are used, plant debris shall be disposed of in a landfill as appropriate. Timing of weed control treatment shall be determined for each plant species by the PCA with the goal of controlling populations before they start producing seeds.</li> <li>3. Construction vehicles and equipment used for ground disturbing activities shall be clean (including wheels, undercarriages, and bumpers) before entering the project area. Further cleaning shall not be required as long as the vehicles stay within project work areas for the duration of construction activities. In addition, tools used for vegetation removal activities such as</li> </ol> | <p>Clean construction equipment before entering all project areas and keep wash logs.</p> <p>Use only certified weed-free seeds, straw, gravel, and fill material on site.</p> <p>Monitor work areas for weeds from construction commencement until 2 years after construction completion and treat reestablished weed populations annually until the species is at or below pre-construction conditions.</p> <p>Provide CPUC with a list of all plants and seed mixes proposed for project landscaping, erosion control, and the revegetation of temporary impact areas 30 days prior to construction. Provide a final plant and seed list to CPUC for approval at least 30 days prior to application</p> <p><b>CPUC:</b></p> <p>Verify that weed control treatments, herbicide application, and disposal of plant debris receive appropriate authorization and/or comply with appropriate regulations.</p> <p>Verify all seeds, straw, gravel, and fill material on site are certified weed-free.</p> <p>Ensure weed spread is controlled during construction annually and for 2 years post-construction.</p> <p>Review wash logs.</p> <p>Review list of plants and seed mixes proposed for project landscaping, erosion control, and the revegetation of temporary impact areas.</p> <p>Verify on site that seed and plant materials are included on CPUC-approved plant species list.</p> | <p>Equipment is washed to reduce weed spread.</p> <p>Plant and seed list contains only either native or ecologically appropriate, non-invasive species.</p> <p>Weed populations do not spread in project area.</p> | <p>Review plant and seed list 30 days prior to construction and application</p> <p>Clean equipment and use weed-free materials during construction</p> <p>Monitor during and for 2 years after construction</p> <p><b>Location:</b><br/>All project work areas</p> | <p>Avoidance and Minimization</p>                    |



APM AND MM IMPLEMENTATION TABLE

| Impact | APM/Mitigation Measure <sup>1</sup>  | Monitoring/Reporting Requirement | Effectiveness Criteria | Timing and Location | Requirement Categories and Tracking Table References |
|--------|--|----------------------------------|------------------------|---------------------|--|
|        | <p>chainsaws, hand clippers, and pruners shall be cleaned to ensure no seed or vegetative propagules are on the equipment before entering and again before leaving all project work areas. All cleaning shall take place where rinse water and the waste product is collected and disposed of in either a sanitary sewer or landfill. A written log shall be kept for all vehicle/equipment/tool washing that states the date, time, location, type of equipment washed, methods used, and staff present. The log shall include the signature of a responsible staff member. Logs shall be available to CPUC and wildlife agencies for inspection at any time and shall be submitted to CPUC on a monthly basis during construction.</p> <p>4. During project construction, all seeds and straw materials shall be certified weed-free, and all gravel and fill material shall be certified weed-free.</p> <p>5. From the time construction begins until 2 years after construction is complete, project impact areas shall be monitored annually for the presence of weed species that were not present prior to the commencement of construction activities as well as the reestablishment of weeds identified and treated prior to construction. Treated populations that meet the treatment criteria in Item 1 above that reestablish shall be retreated on an annual basis until the density of the species is at or below its preconstruction level.</p> <p>6. Only native plants and seed or ecologically appropriate, non-invasive plants and seed shall be used in proposed project landscaping. A list of all plants and seed mixes anticipated to be used for project landscaping, erosion control, and the revegetation of temporary impact areas shall be provided to CPUC for review at least 30 days prior to construction. A final plant and seed mix shall be provided to the CPUC for approval once the seed and/or plant material is in the final stages of being secured. This shall occur at least 30 days prior to application/installation. Plant and seed materials brought to the project site shall be field-verified against this list by the</p> |                                  |                        |                     |  |

APM AND MM IMPLEMENTATION TABLE

| Impact       | APM/Mitigation Measure <sup>1</sup>   | Monitoring/Reporting Requirement  | Effectiveness Criteria  | Timing and Location   | Requirement Categories and Tracking Table References                                |
|--------------|---|---|---|---|---|
|              | CPUC inspector prior to planting and seed mix application.  |   |   |   |   |
| Impact Bio-4 | <p><b>Mitigation Measure Biology-6:</b> This measure applies to all work areas in which any construction-related activities must be conducted during the nesting bird season (generally between February 15 and August 31, but may be earlier or later depending on species, location, and weather conditions). <i>Nesting Bird Survey Requirements.</i> If work is scheduled to occur during the avian nesting season, nesting bird surveys shall be conducted according to the following provisions:</p> <ol style="list-style-type: none"> <li>1. Nest surveys shall occur within 48 hours prior to the start of ground-disturbing construction or vegetation trimming or removal activities. If there is no work in an area for 7 days, it shall be considered a new work area if construction, vegetation trimming, or vegetation removal begins again.</li> <li>2. Surveys shall be conducted with sufficient survey duration and intensity of effort necessary for the identification of active nests, which is defined as once birds begin constructing, preparing, or using a nest for egg-laying. A nest is no longer an "active nest" if abandoned by the adult birds or once nestlings or fledglings are no longer dependent on the nest". Surveys shall include nests of protected species within vegetation identified for removal and/or pruning, and within a the following buffers of active work areas: 1-mile buffer for golden eagle, 0.5-mile buffer for Swainson's hawk, 0.25-mile buffer for white-tailed kite and 500-foot buffer for other avian and raptor species.</li> <li>3. Surveys shall be conducted during locally appropriate dates for nesting seasons; note that generally the season is between February 15 and August 31 but may be earlier or later depending on species, location, and weather conditions.</li> <li>4. The surveys shall be conducted by a CPUC-approved qualified biologist.</li> <li>5. Survey results shall be provided to CPUC prior to initiating construction activities.</li> <li>6. Work areas within which significant noise is not generated, such as work performed manually, by hand or on foot, and/or that would not cause significant disturbances to</li> </ol> | <p><b>SDG&amp;E:</b></p> <p>Conduct nesting bird surveys prior to ground-disturbing construction or vegetation trimming or removal activities.</p> <p>Evaluate trees with raptor nests located within 500 feet of work areas and do not remove any trees with active raptor nests.</p> <p>Use exclusion techniques for any construction equipment left unattended for 24 hours.</p> <p>Establish buffers around nesting birds: (a) 500 feet for raptors, (b) 250 feet for passerine birds in rural areas, or (c) 50 feet for common (non-special-status) passerine birds in residential, commercial, and industrial areas.</p> <p>Submit buffer reduction requests for any buffers that SDG&amp;E would like to reduce.</p> <p>Monitor all nests with a reduced buffer, map nest locations and exclusion buffers, and submit monthly monitoring reports to CPUC.</p> <p>Submit final reports to CPUC.</p> <p><b>CPUC:</b></p> <p>Approve a qualified biologist to conduct bird surveys.</p> <p>Review nesting bird survey results.</p> <p>Verify buffers are established and maintained for nesting birds.</p> <p>Review buffer reduction requests and respond within 2 business days.</p> <p>Verify use of exclusion techniques.</p> <p>Review GIS data, monthly reports, and final reports after each nesting season to ensure that the measure was implemented as defined.</p> | <p>Nesting bird survey reports fulfill all requirements.</p> <p>No nests are built in construction equipment.</p> <p>Buffers are established and maintained.</p> <p>Monthly reports include all necessary information, including GIS data of nest locations and exclusion buffers.</p> <p>Final reports include all necessary information.</p> <p>Construction avoids project-related "take."</p> | <p><b>Timing:</b></p> <p>Surveys: during the nesting season, 48 hours prior to the start of any ground-disturbing activities or vegetation removal/trimming and again if there is no work in an area for 7 days</p> <p>Buffers and reduction requests, and exclusion techniques: when construction occurs during the nesting season and when buffers are reduced at any time of the year.</p> <p>Monitoring: daily basis during the nesting season and when buffers are reduced at any time of the year.</p> <p>Monthly reports: submitted for every month of the nesting season and when buffers are reduced at any time of the year.</p> <p>Final reports: submitted after the end of each nesting season.</p> <p><b>Location:</b></p> <p>Applies to all work areas in which any construction-related activities are conducted.</p> | <p>Surveys</p> <p>Monitoring</p> <p>Reporting</p> <p>Avoidance and Minimization</p> |

## APM AND MM IMPLEMENTATION TABLE

nesting birds (e.g., operating switches, driving on access roads, normally occurring activities at substations, and activities at staging and laydown areas) do not need to be surveyed prior to use. None of these activities shall result in physical contact with a nest.

*Avoid Impacts on Nesting Birds.* During the nesting season (generally between February 15 and August 31, but may be earlier or later depending on species, location, and weather conditions) raptor nests that are located within a 500-foot buffer from a work location and a 1-mile buffer for golden eagle and 0.5-mile buffer for Swainson's hawk, shall be evaluated by a CPUC-approved qualified biologist to determine whether the raptor nest is active. No trees with active raptor nests shall be removed during nesting season.

No additional measures shall be implemented if active nests are more than the following distances from the nearest work areas: (a) 1 mile for golden eagle, (b) 0.5 mile for Swainson's hawk, (c) 0.25 mile for white-tailed kite, (d) 500 feet for raptors, Coastal California gnatcatcher, and least bell's vireo, (e) 250 feet for passerine birds in open space areas, or (f) 150 feet for common (non-special-status) passerine birds in residential, commercial, and industrial areas. Buffers shall not apply to construction-related traffic using existing roads where the use of such roads is not limited to project-specific use (i.e., county roads, highways, farm roads, or other private roads).

As appropriate, exclusion techniques may be used for any construction equipment that is left unattended for more than 24 hours to reduce the possibility of birds nesting in the construction equipment. An example of an exclusion technique is covering equipment with tarps.

*Buffer Reduction.* The specified buffers from nesting birds may be reduced on a case-by-case basis if, based on compelling biological or ecological reasoning (e.g., the biology of the bird species, concealment of the nest site by topography, land use type, vegetation, level of project activity, and level of pre-existing disturbance on site), it is determined by a CPUC-approved qualified biologist that implementation of a specified smaller buffer distance will still avoid nest abandonment and failure. Requests to reduce standard buffers must be submitted to CPUC's independent biologist for review. Requests to reduce buffers must include:

- Species

## APM AND MM IMPLEMENTATION TABLE

- Location
- Pre-existing conditions present on site
- Description of the work to be conducted within the reduced buffer
- Size and expected duration of proposed buffer reduction
- Reason for the buffer reduction
- Name and contact information of the CPUC-approved qualified biologist(s) who requested the buffer reduction and will conduct subsequent monitoring
- Proposed frequency and methods of monitoring necessary for the nest given the type of bird and surrounding conditions

CPUC's independent biologist shall respond to SDG&E's request for a buffer reduction (and buffer reduction terms) within 2 business days; if a response is not received, SDG&E may proceed with the buffer reduction until CPUC's independent biologist can review and approve or deny the buffer reduction request. If SDG&E proceeds with a reduced buffer, nests shall be monitored on a daily basis during construction activities. If the buffer reduction request is denied, or if the qualified biologist determines that the nesting bird(s) are not tolerant of project activity, the buffer outlined above in this measure shall be implemented.

Non-special-status species found building nests within the work areas after specific project activities begin may be tolerant of that specific project activity; however, the CPUC-approved qualified biologist shall implement an appropriate buffer or other appropriate measures to protect the nest after taking into consideration the position of the nest, the bird species nesting on site, the type of work to be conducted, and duration of the construction disturbance. In these cases, the proposed buffer or other measures must be approved by CPUC's independent biologist through the buffer reduction process outlined in this measure, if buffers are less than those specified in this measure. These nests shall be monitored on a daily basis and only during construction activities (no monitoring required over weekends or periods when no work is conducted) by a qualified biologist until the qualified biologist has determined that the young have fledged or construction ends within the work area (whichever occurs first). If the qualified biologist determines that the nesting bird(s) are not tolerant of project activity, the buffer outlined above in this measure shall be implemented.

APM AND MM IMPLEMENTATION TABLE

| Impact                     | APM/Mitigation Measure <sup>1</sup>   | Monitoring/Reporting Requirement   | Effectiveness Criteria   | Timing and Location   | Requirement Categories and Tracking Table References                                |
|----------------------------|---|--|--|---|---|
|                            | <p>The recommended buffers may only be reduced again following the same process, as identified above, and after the qualified biologist has determined that the nesting birds are no longer exhibiting signs of intolerance to construction activities.</p> <p><i>Monitoring and Reporting.</i> All nests with a reduced buffer shall be monitored on a daily basis during construction activities by a CPUC-approved qualified biologist until the qualified biologist has determined that the young have fledged or until one week after construction ends within the reduced buffer/work area (whichever occurs first).</p> <p>Nest locations and exclusion buffers shall be mapped (using geographic information systems [GIS]) for all nests identified. This information shall be maintained in a database and shall be provided to CPUC, CDFW, and USFWS. A monthly written report shall be submitted to CPUC, CDFW, and USFWS for construction within a reduced buffer and shall include the following: information included in buffer reduction requests, work conducted within the work site, duration of work activities and related buffer reduction, information on nest success (eggs, young, and adults). No avian reporting shall be required for construction occurring outside of the nesting season and if construction activities do not occur within a reduced buffer during any calendar month. A final report shall be submitted to CPUC, CDFW, and USFWS at the end of each nesting season summarizing all avian-related monitoring results and outcomes for the duration of project construction. Nests located in areas of existing human presence and disturbance, such as in yards of private residences, or within commercial and or industrial properties, are likely acclimated to disturbance and do not need to be monitored, as determined by the CPUC-approved qualified biologist and approved by CPUC's independent biologist.</p> |  |  |   |   |
| <p><b>Impact Bio-5</b></p> | <p><b>Mitigation Measure Biology-7:</b> The following requirements specify protocols for surveying western yellow bat habitat and avoiding impacts on western yellow bat.</p> <p><b>Work Areas.</b> Suitable western yellow bat habitat shall be assessed by a CPUC-approved qualified biologist in trees within a 50-foot buffer of active work areas and in structures with suitable western yellow bat habitat within a 100-</p>   | <p><b>SDG&amp;E:</b></p> <p>Assess suitable bat habitat in trees within a 50-foot buffer of active work areas and in structures within a 100-foot buffer.</p> <p>Submit requests for and comply with limited and no-work exclusion areas.</p> <p>Inspect roost sites when construction is occurring at the specific work site.</p> | <p>Limited and no-work areas are established and maintained.</p> <p>Monitoring reports fulfill all requirements.</p> <p>Bats and roosting habitat are not disturbed.</p> | <p><b>Timing:</b></p> <p>Survey prior to construction</p> <p>Habitat assessments are performed within 7 days of tree removal</p> <p>Submit reports on an on-going basis during construction</p> | <p>Surveys</p> <p>Monitoring</p> <p>Reporting</p> <p>Avoidance and Minimization</p> |

APM AND MM IMPLEMENTATION TABLE

| Impact | APM/Mitigation Measure <sup>1</sup>  | Monitoring/Reporting Requirement   | Effectiveness Criteria | Timing and Location   | Requirement Categories and Tracking Table References |
|--------|--|--|------------------------|---|--|
|        | <p>foot buffer of active work areas. If an active western yellow bat maternity roost is found in a tree or structure, the CPUC-approved qualified biologist shall define an appropriate limited or no-work exclusion area surrounding the roosting habitat based on the number, and roost type (i.e., individuals, small group, or potential maternal colony), as well as in consideration of the habitat quality and duration of work-related disturbance in the vicinity of the maternity roost. The limited work or exclusion areas shall be approved by CPUC's independent biologist who shall respond to SDG&amp;E's request for approval within one business day; if a response is not received, SDG&amp;E may proceed with the implementation of the proposed limited work or exclusion area until CPUC's independent biologist can review and approve or deny the buffer reduction request.</p> <p>The limited work or exclusion area shall not apply to construction-related traffic using existing roads where the use of such roads is not limited to project-specific use (i.e., county roads, highways, farm roads, or other private roads) and shall not apply if the roost(s) is/are located in a residential, commercial, or industrial area.</p> <p>The boundaries of the limited or no work area shall be clearly marked by the CPUC-approved qualified biologist to ensure that no vehicles or equipment physically disturb the roost. The CPUC-approved qualified biologist shall inspect roost sites when construction is occurring at the specific work site to ensure integrity of the limited or no-work area and ensure that the size of the area is adequate based on site conditions and construction-generated noise.</p> <p><b>Tree Pruning and Removal.</b> Preconstruction habitat assessments shall be conducted by a CPUC-approved qualified biologist on all trees to be removed that are 10 inches or more in diameter at breast height to identify suitable western yellow bat roosting habitat, within 7 days of the tree removal date.</p> <p>For trees to be removed that provide suitable western yellow bat roosting habitat features, follow-up emergence surveys and acoustic monitoring shall be conducted for 1/2 hour prior to sunset and 1 hour after sunset. If western yellow bats are not detected emerging from trees and acoustic activity indicates that no</p> | <p>Perform preconstruction habitat assessments on qualifying trees to be removed within 7 days of removal. Suitable roost trees shall not be removed between April and September. Document and report all bat roosts through MMCRP.</p> <p><b>CPUC:</b></p> <p>Verify a qualified biologist conducts appropriate surveys for bat roosting habitat near work areas and trees for removal.</p> <p>Review and approve limited and no-work exclusion area requests and verify areas are established and maintained.</p> <p>Verify tree trimming occurs in accordance with the provisions of the measure.</p> <p>Review reports to ensure that measure was implemented.</p> |                        | <p>Remove suitable roost trees outside of breeding season (April to September)</p> <p><b>Location:</b></p> <p>Areas of suitable bat habitat</p> |  |

APM AND MM IMPLEMENTATION TABLE

| Impact                     | APM/Mitigation Measure <sup>1</sup>   | Monitoring/Reporting Requirement  | Effectiveness Criteria   | Timing and Location   | Requirement Categories and Tracking Table References |
|----------------------------|---|---|--|---|--|
|                            | <p>roosting bats are present, no additional measures are required.</p> <p>If active western yellow bat maternity roosts are detected in vegetation to be removed, removal shall occur outside of April to September, where practicable, to avoid impacts to reproductive bats. If western yellow bats are detected emerging from trees or acoustic activity indicates that roosting bats are present, the potential presence of a maternal colony shall be assessed. If a maternal colony is found in a tree, no work shall occur within 50 feet of the tree.</p> <p>If vegetation removal activities are conducted during the western yellow bat reproductive season the following techniques shall be implemented to passively vacate bats from roosts:</p> <ul style="list-style-type: none"> <li>• Create noise and vibration disturbance on the tree (e.g., concussive hitting with equipment and/or chainsaw cutting) for at least 15 minutes before carefully opening up potential crevices and cavities for inspection and clearance.</li> <li>• If bats may be in a tree hole or heavy branch cavity, attempt to expose them and allow escape. For example, if the cavity cannot be investigated by the CPUC-approved qualified biologist, then carefully cut successive sections above the cavity to open it, waiting up to 10 minutes in between each cut, and determine if it is empty or allow any bats inside to crawl or fly out.</li> </ul> <p><b>Reporting.</b> All western yellow bat maternity roosts in trees shall be documented and reported through the MMCRP.</p> |   |  |   |  |
| <p><b>Impact Bio-5</b></p> | <p><b>Mitigation Measure Biology-8:</b> A CPUC-approved qualified biologist shall conduct a preconstruction survey to identify potential San Diego desert woodrat houses within the proposed project work areas and within 5 feet of the edge of the work areas to avoid direct take of woodrats. All woodrat houses shall be documented and reported through the MMCRP. Woodrat houses found within the work site or within 5 feet from a work site shall be flagged or fenced for avoidance. If impacts to a woodrat house located within a work site are unavoidable, a CPUC-approved qualified biologist, prior to construction and outside of breeding season (April through June), shall</p>  | <p><b>SDG&amp;E:</b></p> <p>Conduct preconstruction survey for San Diego desert woodrat.</p> <p>Document and report all houses through MMCRP.</p> <p>Flag or fence all houses within work site or 5 feet from work site.</p> <p>As needed, dismantle houses and retain piles of slash per provisions in the measure if impacts are unavoidable.</p> <p><b>CPUC:</b></p> <p>Review reports to ensure that measure was implemented.</p> | <p>Monitoring reports fulfill all requirements.</p> <p>To the extent possible, woodrat houses are not disturbed.</p> | <p><b>Timing:</b></p> <p>Survey prior to construction</p> <p>Dismantle nests prior to construction and outside of breeding season (April through June)</p> <p><b>Location:</b></p> <p>All work areas plus a 5-foot buffer</p> | <p>Surveys</p> <p>Avoidance and Minimization</p>     |

APM AND MM IMPLEMENTATION TABLE

| Impact   | APM/Mitigation Measure <sup>1</sup>  | Monitoring/Reporting Requirement   | Effectiveness Criteria   | Timing and Location  | Requirement Categories and Tracking Table References |
|--|--|--|--|--|--|
|  | <p>dismantle the house by hand, removing the materials layer by layer to allow for adult woodrats to escape. If young are present and found during the disassembling process, a CPUC-approved qualified biologist shall leave the site for at least 24 hours to allow for the rats to relocate their young on their own. This step shall be repeated as needed until the young have been relocated by the parent woodrats. Once the nest is vacant, the disassembly process shall be completed and the nest sticks shall be collected and moved to another suitable nearby location to allow for nest reconstruction. Piles of cut vegetation/slash shall be retained near the work site prior to nest dismantling to provide refuge for woodrats that may become displaced.</p>   | <p>Verify that houses identified are flagged and avoided if possible, or else dismantled in accordance with the provisions of the measure.</p>   |  |  |  |
| <p><b>Impact Bio-6</b><br/><b>Impact Hazards-1</b><br/><b>Impact Hazards-3</b></p>   | <p><b>Mitigation Measure Biology-9:</b> Only a State of California certified contractor (i.e., Qualified Applicator), will be permitted to perform herbicide applications. Herbicides will be applied in accordance with applicable laws, regulations, and permit stipulations. All herbicide applications must follow EPA label instructions. SDG&amp;E shall only apply herbicides when wind speeds are between 3 and 10 mph. No herbicides shall be applied when rainfall is predicted within 48 hours or during periods of temperature inversions (i.e., when the air temperature at ground level is cooler than the air above it). Herbicides shall not be applied within 100 feet of a special-status plant.</p>   | <p><b>SDG&amp;E:</b><br/>A State of California certified contractor can apply herbicides during certain weather conditions and in locations specified in the measure.</p> <p><b>CPUC:</b><br/>Verify herbicides are applied according to all applicable laws, regulations, and permit stipulations.</p> <p>Verify herbicides are applied only during specified conditions.</p> | <p>Herbicides are applied according to all applicable laws, regulations, and permit stipulations and only during specified conditions.</p> | <p><b>Timing:</b><br/>Throughout construction</p> <p><b>Location:</b><br/>All work areas<br/>No herbicide application within 100 feet of a special-status plant</p>      | <p>Avoidance and Minimization</p>                    |
| <b>Cultural and Paleontological Resources</b>  |  |  |  |  |  |
| <p><b>Impact Cultural-1:</b><br/>Cause a substantial adverse change in the significance of an archaeological resource as defined in CEQA Guidelines Section 15064.5</p> <p><b>Impact Cultural-2:</b><br/>Cause a substantial adverse change in the significance of a historical resource pursuant to CEQA Guidelines Section 15064.5</p> | <p><b>APM CUL-1: Cultural Resources Training:</b> A qualified archaeologist shall attend pre-construction meetings, as needed, to consult with the excavation contractor concerning excavation schedules, archaeological field techniques, and safety issues. A qualified archaeologist is defined as an archaeologist that meets the U.S. Secretary of Interior Professional Qualifications Standards, as published in 36 Code of Federal Regulations Part 61. Proposed Project personnel shall receive training regarding the appropriate work practices necessary to effectively implement the APMs, including the potential for exposing subsurface cultural resources and paleontological resources. This training program shall be submitted to CPUC for approval and include procedures to be followed upon the</p> | <p><b>SDG&amp;E:</b><br/>Conduct cultural resources training program.</p> <p><b>CPUC:</b><br/>Review the cultural resources training program.</p> <p>Review the construction plans to ensure that they include the requirements for archaeological monitoring.</p>   | <p>Cultural resources training program is conducted for all crew members.</p>  | <p><b>Timing:</b><br/>Conduct training program prior to construction<br/>Review construction plans prior to construction</p> <p><b>Location:</b><br/>Not applicable.</p> | <p>Worker Training Plans</p>                         |



APM AND MM IMPLEMENTATION TABLE

| Impact  | APM/Mitigation Measure <sup>1</sup>   | Monitoring/Reporting Requirement   | Effectiveness Criteria  | Timing and Location  | Requirement Categories and Tracking Table References   |
|---|---|--|---|--|--|
| <p><b>Impact Cultural-3:</b><br/>Disturb any human remains, including those interred outside of formal cemeteries</p> | <p>discovery or suspected discovery of archaeological materials, Native American remains, and paleontological resources. Such appropriate work practices and inadvertent discovery procedures are outlined in the Cultural Resources Mitigation and Monitoring Plan (CRMMP). The requirements for archaeological monitoring shall be noted on the construction plans.</p>   |  |   |  |  |
| <p><b>Impact Cultural-1</b></p>   | <p><b>APM CUL-2: Cultural Resources Monitoring:</b> An archaeological monitor shall work under the direction of the qualified archaeologist. Monitoring will be conducted according to the procedures outlined in the CRMMP and will occur during proposed pole replacement/improvement activities and access road grading adjacent to eligible cultural resources. Monitoring shall also occur during vegetation removal or ground-disturbing activities. If the previously delineated work areas must be expanded or modified during construction, CPUC procedures will be followed and the cultural monitors will review the previous survey data for the proposed project to determine if any sensitive resources would be impacted by the proposed activities, to identify any necessary avoidance and minimization measures, and to document any additional impacts, and avoidance and minimization measures. The CRMMP will address any project refinements that go outside of previously evaluated work areas and will detail the appropriate measures to be implemented. The CRMMP will specify the criteria by which the resource will be evaluated for significance. The CRMMP will also outline the consultation requirements. In the event that cultural resources are encountered during ground-disturbing activities, the archaeologist shall have the authority to divert or temporarily suspend ground disturbance to allow evaluation of potentially significant cultural resources. The archaeologist shall follow the appropriate reporting and treatment procedures outlined in the CRMMP before activities are allowed to resume.</p> | <p><b>SDG&amp;E:</b><br/>The archaeological monitor will conduct cultural resource monitoring in accordance with the CRMMP and during the activities specified in the measure.<br/><br/>Review previous survey data if work areas must be expanded or modified.<br/><br/>The archaeologist may divert or temporarily suspend ground disturbing activities to allow evaluation of potentially significant resources if resources are encountered.<br/><br/><b>CPUC:</b><br/>Verify monitoring has been conducted during appropriate activities.<br/><br/>Review reports to ensure that the measure was implemented.</p> | <p>Cultural resources construction monitoring occurs in accordance with CRMMP.<br/><br/>Potentially significant resources are evaluated and impacts to resources are avoided.</p> | <p><b>Timing:</b><br/>Monitor during construction<br/><br/><b>Location:</b><br/>Access roads adjacent to eligible cultural resources and areas of vegetation removal or ground-disturbing activities</p> | <p>Monitoring Plans<br/>Avoidance and Minimization</p> |

APM AND MM IMPLEMENTATION TABLE

| Impact   | APM/Mitigation Measure <sup>1</sup>  | Monitoring/Reporting Requirement   | Effectiveness Criteria   | Timing and Location   | Requirement Categories and Tracking Table References |
|--|--|--|--|---|--|
| <b>Impact Cultural-4:</b><br>Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature | <b>APM CUL-4: Qualified Paleontologist:</b> A qualified paleontologist shall attend preconstruction meetings, as needed, to consult with the excavation contractor concerning excavation schedules, paleontological field techniques, and safety issues. A qualified paleontologist is defined as an individual with a Master's of Science or Doctor of Philosophy in paleontology or geology who is experienced with paleontological procedures and techniques, who is knowledgeable in the geology and paleontology of Southern California, and who has worked as a paleontological mitigation project supervisor in the region for at least 1 year. The requirements for paleontological monitoring shall be noted on the construction plans.   | <b>SDG&amp;E:</b><br>Identify qualified paleontologist and ensure his/her attendance at preconstruction meetings.<br><b>CPUC:</b><br>Verify that a qualified paleontologist attends the preconstruction meetings.  | A qualified paleontologist attends the preconstruction meetings.                                     | <b>Timing:</b><br>Prior to construction<br><b>Location:</b><br>Areas of excavation    | Worker Training                                      |
| <b>Impact Cultural-4</b>   | <b>APM CUL-5: Paleontological Monitoring:</b> A paleontological monitor shall work under the direction of the qualified Proposed Project paleontologist, and shall be on site to observe excavation operations that involve the original cutting of previously undisturbed deposits with high paleontological resource sensitivity (i.e., Mission Valley and Otay Formations). A paleontological monitor is defined as an individual who has experience in the collection and salvage of fossil materials. If the previously delineated work areas must be expanded or modified during construction, the paleontological monitors would review the previous survey data for the proposed project to determine if the additional impact area to determine if any sensitive resources would be impacted by the proposed activities, to identify any necessary avoidance and minimization measures, and to document any additional impacts, and avoidance and minimization measures. In the event that fossils are encountered, the paleontological monitor shall have the authority to divert or temporarily halt construction activities in the area of the discovery to allow recovery of fossil remains in a timely manner. | <b>SDG&amp;E:</b><br>Conduct paleontological monitoring during excavation operations in highly sensitive resource sensitivity.<br>Review previous survey data if work areas must be expanded or modified.<br>The paleontological monitor may divert or temporarily halt construction activities in an area of fossils are encountered.<br><b>CPUC:</b><br>Verify that a paleontological monitor is on site to observe excavations and reviews previous survey data if work areas must be expanded. | Monitoring occurs during excavation operations.<br>Impacts to paleontological resources are avoided. | <b>Timing:</b><br>During construction<br><b>Location:</b><br>Areas of excavation      | Monitoring<br>Avoidance and<br>Minimization          |
| <b>Impact Cultural-4</b>   | <b>APM CUL-6: Paleontological Screen Washing:</b> Because of the potential for recovery of small fossil remains, it may be necessary to set up a screen-washing operation on-site. If fossils are discovered, the paleontologist (or paleontological monitor) shall recover them, along with pertinent stratigraphic data. Because of the potential for recovery of small fossil   | <b>SDG&amp;E:</b><br>Recover previously undiscovered fossils.<br>Clean, repair, sort, catalog, and deposit any collected fossil remains.<br>Prepare a summary report.<br><b>CPUC:</b>  | Fossils are recovered.<br>Summary report contains all necessary information.                         | <b>Timing:</b><br>During and after construction<br><b>Location:</b><br>All work areas | Monitoring   |

APM AND MM IMPLEMENTATION TABLE

| Impact | APM/Mitigation Measure <sup>1</sup>  | Monitoring/Reporting Requirement  | Effectiveness Criteria | Timing and Location | Requirement Categories and Tracking Table References |
|--------|--|---|------------------------|---------------------|--|
|        | <p>remains, such as isolated mammal teeth, recovery of bulk sedimentary matrix samples for off-site wet screening from specific strata may be necessary, as determined in the field. Fossil remains collected during monitoring and salvage shall be cleaned, repaired, sorted, cataloged, and deposited in a scientific institution with permanent paleontological collections. A final summary report shall be completed. This report shall include discussions of the methods used, stratigraphy exposed, fossils collected, and significance of recovered fossils. The report shall also include an itemized inventory of all collected and catalogued fossil specimens.</p> | <p>Verify that the paleontologist or paleontological monitor recovers any previously undiscovered fossils.<br/>Review the final summary report.</p> |                        |                     |  |

APM AND MM IMPLEMENTATION TABLE

| Impact                                 | APM/Mitigation Measure <sup>1</sup>  | Monitoring/Reporting Requirement  | Effectiveness Criteria   | Timing and Location   | Requirement Categories and Tracking Table References |
|--|--|---|--|---|--|
| Impact Cultural-3                      | <p><b>APM CUL-7: Discovery of Human Remains:</b> If human remains are encountered during construction, SDG&amp;E staff will comply with California law (Health and Safety Code section 7050.5; PRC sections 5097.94, 5097.98, and 5097.99). This law specifies that work stop immediately in any areas where human remains or suspected human remains are encountered. The appropriate agency and SDG&amp;E will be notified of any such discovery. SDG&amp;E will contact the Medical Examiner at the county coroner's office. The Medical Examiner has two (2) working days to examine the remains after being notified by SDG&amp;E. When the remains are determined to be Native American, the Medical Examiner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC will immediately notify the identified Most Likely Descendant (MLD), and the MLD has 24 hours to make recommendations to the landowner or representative for the respectful treatment or disposition of the remains and grave goods. If the MLD does not make recommendations within 24 hours, the area of the property must be secured from further disturbance. If there are disputes between the landowner and the MLD, the NAHC will mediate the dispute to attempt to find a resolution. If mediation fails to provide measures acceptable to the landowner, the landowner or his/her authorized representative shall reinter the human remains and items associated with Native American burials with appropriate dignity on the property in a location not subject to further subsurface disturbance.</p> | <p><b>SDG&amp;E:</b><br/>Comply with California law in the event that human remains are found.</p> <p><b>CPUC:</b><br/>Verify that construction stops immediately in any areas where human remains or suspected human remains are found.<br/>Verify that respectful treatment or disposition of the remains or grave goods has occurred.</p>                      | <p>Stop work if human remains are found.<br/>Comply with California law.</p> | <p><b>Timing:</b><br/>Throughout construction<br/><b>Location:</b><br/>All work areas</p> | <p>Notification<br/>Avoidance and Minimization</p>   |
| Impact Cultural-1<br>Impact Cultural-2 | <p><b>Mitigation Measure Cultural Resources-1:</b> If previously undiscovered resources are identified during construction, the CPUC-approved cultural resource specialist/archaeologist shall evaluate the resource and determine whether it is (1) eligible for the CRHR (and thus a historic resource for purposes of CEQA); or (2) a unique archaeological resource as defined by CEQA. If the resource is determined to be neither a unique archaeological nor a historical resource, work may commence in the area. If the resource meets the criteria for either a historical or unique archaeological resource, or both, work shall remain halted within 50 feet (15 meters) of the area of the find, and the cultural resources specialist/archaeologist shall consult with CPUC staff regarding methods to ensure</p>  | <p><b>SDG&amp;E:</b><br/>Evaluate undiscovered resources and mitigate as defined by the measure.<br/>Halt work within 50 feet of the area of the find.</p> <p><b>CPUC:</b><br/>Verify all previously undiscovered cultural resources have been evaluated by the cultural resource specialist/archaeologist.<br/>Verify the measure is implemented as defined.</p> | <p>Evaluate and treat undiscovered resources.</p>                            | <p><b>Timing:</b><br/>Throughout construction<br/><b>Location:</b><br/>All work areas</p> | <p>Avoidance and Minimization<br/>Reporting</p>      |

APM AND MM IMPLEMENTATION TABLE

| Impact                          | APM/Mitigation Measure <sup>1</sup>  | Monitoring/Reporting Requirement  | Effectiveness Criteria  | Timing and Location  | Requirement Categories and Tracking Table References |
|---------------------------------|--|---|---|--|--|
|                                 | <p>that no substantial adverse change would occur to the significance of the resource pursuant to CEQA Guidelines Section 15064.5(b). Preservation in place (i.e., avoidance) is the preferred method of mitigation for impacts to cultural resources and shall be required to mitigate impacts to previously undiscovered resources. Other methods of mitigation, described below, shall only be used if the CPUC-approved cultural resource specialist/ archaeologist determines the method would provide superior mitigation of the impacts to the resource. The alternative methods of mitigation may include data recovery and documentation of the information contained in the site to answer questions about local prehistory (see Mitigation Measures Cultural Resources-3 and Cultural Resources-4). The methods and results of evaluation or data recovery work at an archaeological find shall be documented in a professional-level technical report to be filed with the California Historical Resources Information System (CHRIS). Work in the area may commence upon completion of treatment, as approved by CPUC.</p>  |   |   |  |  |
| <p><b>Impact Cultural-1</b></p> | <p><b>Mitigation Measure Cultural Resources-2:</b> SDG&amp;E shall prepare and submit for CPUC approval a HPTP for CRHR-eligible or potentially eligible cultural resources to avoid or mitigate potential impacts. Preservation in place (i.e., avoidance) shall be the preferred mitigation strategy. Recordation and data recovery will be used as mitigation alternatives if preservation in place is not feasible or the CPUC-approved cultural resource specialist/ archaeologist determines recordation or data recovery would provide superior mitigation. The HPTP shall be submitted to CPUC for review and approval at least 30 days prior to construction.</p> <p>As part of the HPTP, SDG&amp;E shall prepare a research design and a scope of work for evaluation of cultural resources and for data recovery and testing or additional treatment of CRHR-eligible or potentially eligible sites that cannot be avoided. Data recovery and testing on most resources would consist of sample excavations and/or surface artifact collection, and site documentation. A possible exception would be a site where burials, cremations, or sacred features are discovered that cannot be avoided. The HPTP shall define and map all</p> | <p><b>SDG&amp;E:</b><br/>Submit a Historic Properties Treatment Plan to CPUC at least 30 days prior to construction.</p> <p><b>CPUC:</b><br/>Review and approve the Historic Properties Treatment Plan.</p> | <p>The Plan contains all necessary information.<br/>Measures in the Plan are implemented.</p> | <p><b>Timing:</b><br/>Submit the Plan at least 30 days prior to construction</p> <p><b>Location:</b><br/>All CRHR-eligible properties in or within 50 feet of all work areas</p> | <p>Plans</p>   |

APM AND MM IMPLEMENTATION TABLE

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|---------------------------------|---|--|---|--|--|
|                                 | <p>CRHR-eligible or potentially eligible properties in or within 50 feet of all project work areas and shall identify the cultural values that contribute to their CRHR-eligibility. The HPTP shall also detail how CRHR-eligible or potentially eligible properties will be marked and protected as environmental sensitive areas during construction.</p> <p>The HPTP shall include provisions for analysis of data in a regional context, reporting of results within one year of completion of field studies, curation of artifacts and data (maps, field notes, archival materials, recordings, reports, photographs, and analysts' data) at a facility that is approved by CPUC, and dissemination of reports to appropriate local and state repositories.</p>  |  |   |  |  |
| <p><b>Impact Cultural-1</b></p> | <p><b>Mitigation Measure Cultural Resources-3:</b> Where CRHR-eligible resources cannot be protected from direct impacts of the project, data recovery investigations shall be conducted by SDG&amp;E to reduce adverse effects to the characteristics of each property that contribute to its CRHR eligibility. For sites eligible under Criterion (d), significant data shall be recovered through excavation and analysis. For properties eligible under Criterion (a), (b), or (c), data recovery may include historical documentation, photography, collection of oral histories, architectural or engineering documentation, preparation of a scholarly work, or some form of public awareness or interpretation. Data gathered during the evaluation-phase studies and the research design element of the HPTP shall guide plans and data thresholds for data recovery; treatment shall be based on the resource's research potential beyond that realized during resource recordation and evaluation studies. If data recovery is necessary, sampling for data recovery excavations shall follow standard statistical sampling methods, but sampling shall be confined, as much as possible, to the direct impact area. Data recovery methods, sample sizes, and procedures shall be detailed in the HPTP consistent with Mitigation Measure Cultural Resources-3 and implemented by SDG&amp;E only after approval by CPUC. Following any field investigations required for data recovery, SDG&amp;E shall document the field studies and findings, including an assessment of whether adequate data were recovered to reduce</p> | <p><b>SDG&amp;E:</b><br/>           Conduct data recovery investigations as needed and only after approval by CPUC.<br/>           Submit field closure report to CPUC and appropriate state repositories, local governments, and other appropriate agencies.<br/> <b>CPUC:</b><br/>           Approve data recovery investigations as needed.<br/>           Review the field closure report to ensure implementation of the measure.</p> | <p>Data recovery investigations are conducted as needed to mitigate for impacts to known significant archaeological deposits.<br/>           The field closure report contains all necessary information.</p> | <p><b>Timing:</b><br/>           Recover data prior to construction<br/>           Submit field closure report after construction<br/> <b>Location:</b><br/>           All work areas that contain significant archaeological deposits</p> | <p>Reporting</p>                                     |

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|---------------------------------|--|---|---|--|---|
|                                 | <p>adverse project effects, in a brief field closure report. The field closure report shall be submitted to CPUC for its review and approval, as well as to appropriate state repositories, local governments, and other appropriate agencies. Construction work within 100 feet of cultural resources that require data recovery fieldwork shall not begin until authorized by CPUC, as appropriate, to ensure that impacts to known significant archaeological deposits are adequately mitigated.</p>  |   |   |  |   |
| <p><b>Impact Cultural-1</b></p> | <p><b>Mitigation Measure Cultural Resources-4:</b> SDG&amp;E shall consult with Native Americans to identify culturally sensitive locations and determine where Native American monitoring is required prior to performing any ground-disturbing activities. Consultation shall consist of letters sent to the NAHC and Native American representatives requesting information about any sacred lands or sites within the proposed project area. Consultation materials also shall include documentation of responses from NAHC and Native American representatives. A Native American monitor shall be required during archaeological excavations and ground-disturbing activities performed in areas identified as culturally sensitive. SDG&amp;E shall prepare a summary letter that indicates the locations where Native American monitors will be required and shall specify the tribal affiliation of the required Native American monitor for each location. SDG&amp;E shall retain and schedule any required Native American monitors. SDG&amp;E shall submit documentation of consultation efforts (i.e., information request letters and responses) and the summary letter to CPUC for review and recordkeeping within 30 days prior to construction.</p> | <p><b>SDG&amp;E:</b><br/>Consult with Native Americans to identify culturally sensitive locations and determine where monitoring is necessary.<br/>A Native American monitor will be present during archaeological excavations and ground-disturbing activities in culturally sensitive areas.<br/>Submit consultation effort documentation and summary letter to CPUC no less than 30 days prior to construction.<br/><b>CPUC:</b><br/>Verify that a Native American monitor is present during archaeological excavations and ground-disturbing activities in culturally sensitive locations.<br/>Review documentation of consultation effort.</p> | <p>Consult with Native Americans.<br/>Native Americans monitor archaeological excavations and ground-disturbing activities.</p> | <p><b>Timing:</b><br/>Consult with Native Americans at least 30 days prior to construction<br/><b>Location:</b><br/>Where excavations and ground-disturbing activities occur at sites identified as culturally sensitive during consultation</p> | <p>Monitoring<br/>Avoidance and Minimization<br/>Notification</p> |
| <p><b>Impact Cultural-4</b></p> | <p><b>Mitigation Measure Paleontology-1:</b> In the event that a paleontological resource is uncovered during project implementation, all ground-disturbing work within 50 feet (15 meters) of the discovery shall be halted. A CPUC-approved, qualified paleontologist shall inspect the discovery and determine whether further investigation is required. If the discovery can be avoided and no further impacts will occur, no further effort shall be required. If the resource cannot be avoided and may be subject to further impact, a qualified, CPUC-approved qualified paleontologist shall evaluate the resource and determine whether it is "unique"</p>  | <p><b>SDG&amp;E:</b><br/>Stop work near previously unidentified paleontological resource and evaluate the resource as needed.<br/>Treat resources as defined in the measure.<br/><b>CPUC:</b><br/>Verify that all ground-disturbing work is halted if any paleontological resources are uncovered and a qualified paleontologist inspects the discovery.</p>  | <p>Resources are evaluated and treated as needed.</p>   | <p><b>Timing:</b><br/>Throughout construction<br/><b>Location:</b><br/>All work areas</p>  | <p>Avoidance and Minimization</p>                                 |

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|   | <p>under CEQA, Appendix G, part V. The determination and associated plan for protection of the resource shall be provided to CPUC for review and approval. If the resource is determined not to be unique, work may commence in the area. If the resource is determined to be a unique paleontological resource, work shall remain halted, and the paleontologist shall consult with SDG&amp;E and CPUC staff regarding methods to ensure that no substantial adverse change would occur to the significance of the resource pursuant to CEQA. Preservation in place (i.e., avoidance) is the preferred method of mitigation for impacts to paleontological resources and shall be required unless there are other equally effective methods. Other methods may be used but must ensure that the fossils are recovered, prepared, identified, catalogued, and analyzed according to current professional standards under the direction of a qualified paleontologist. All recovered fossils shall be curated at an accredited and permanent scientific institution according to Society of Vertebrate Paleontology standard guidelines (SVP) standards; typically the Natural History Museum of Los Angeles County and UC Berkeley accept paleontological collections at no cost to the donor (SVP 2010). Work may commence upon completion of treatment, as approved by CPUC.</p> | <p>Verify that appropriate mitigation methods are used to mitigate for impacts to paleontological resources.</p>   |   |   |  |
| <b>Geology and Soils</b>  |  |  |   |   |  |
| <p><b>Impact GeologySoils-1:</b><br/>Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault or strong seismic ground-shaking</p> <p><b>Impact GeologySoils-2:</b><br/>Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure, including liquefaction</p> | <p><b>APM GEO-1: Geotechnical Requirements:</b><br/>SDG&amp;E will incorporate the design measures and findings of the geotechnical investigation reports in the final design of all project components.</p>   | <p><b>SDG&amp;E:</b><br/>Incorporate design measures and findings of geotechnical investigation into project design.</p> <p><b>CPUC:</b><br/>Review the final designs of all project components.</p> | <p>Geotechnical report findings are incorporated into final project design.</p> | <p><b>Timing:</b><br/>Prior to construction</p> <p><b>Location:</b><br/>Salt Creek Substation</p> | <p>Avoidance and Minimization</p>                    |



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|---|---|--|---|--|--|
| <p><b>Impact GeologySoils-3:</b><br/>Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving landslides</p> <p><b>Impact GeologySoils-4:</b><br/>Potential for substantial soil erosion or the loss of topsoil</p> <p><b>Impact GeologySoils-5:</b><br/>Located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse</p> <p><b>Impact GeologySoils-6:</b><br/>Located on expansive soil, or collapsible soil, creating substantial risks to life or property</p> |   |  |   |  |  |
| <p><b>Impact GeologySoils-1</b><br/><b>Impact GeologySoils-2</b><br/><b>Impact GeologySoils-3</b></p>   | <p><b>APM GEO-2: Seismic Standards:</b> SDG&amp;E will comply with all applicable codes and seismic standards to minimize the potential for damage from a seismic event. The project will be designed to withstand strong seismic accelerations in accordance with SDG&amp;E standard design and engineering practices to reduce the potential for damage to occur to the proposed facilities in the event of a major seismic event.</p>  | <p><b>SDG&amp;E:</b><br/>Design all project components to be in compliance with applicable codes and seismic standards.</p> <p><b>CPUC:</b><br/>Review project designs and verify compliance.</p>  | <p>Designs are in compliance with all applicable codes and seismic standards.</p>                               | <p><b>Timing:</b><br/>Prior to construction</p> <p><b>Location:</b><br/>Salt Creek Substation</p>  | <p>Avoidance and Minimization</p>                    |
| <p><b>Impact GeologySoils-4</b><br/><b>Impact Hydro-3</b></p>   | <p><b>Mitigation Measure Geology-1:</b> For areas that will not be subject to additional disturbance, once temporary surface disturbances are complete, permanent stabilization BMPs to control soil erosion will be used in areas not subject to any additional disturbance immediately after temporary BMPs have been removed and within 7 days following final earthwork in the area. Permanent stabilization BMPs may include hydroseeding, planting, and minor regrading. An SDG&amp;E Reclamation Specialist shall inspect and monitor BMPs following installation in areas where revegetation has been performed until the</p> | <p><b>SDG&amp;E:</b><br/>Stabilize any areas not subject to additional ground disturbance within 7 days using BMPs. Monitor BMPs following installation where revegetation has been performed until required vegetative cover is established.</p> <p><b>CPUC:</b><br/>Verify disturbed sites are stabilized within 7 days and inspect BMPs.<br/>Inspect revegetation and verify minimum vegetative requirements are met.</p> | <p>Disturbed sites are stabilized.<br/>Minimum vegetation reestablishment requirements are met or exceeded.</p> | <p><b>Timing:</b><br/>Stabilization: within 7 days of completion of ground disturbance.<br/>Revegetation: during and after construction phase, after completion of ground disturbance.</p> <p><b>Location:</b><br/>Applies to all temporarily disturbed areas and areas where revegetation has been performed.</p> | <p>Monitoring Plans</p>                              |

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|   | minimum vegetative cover specified in the Revegetation Plan is established.   |   |  |   |  |
| <b>Greenhouse Gas Emissions</b>   |   |   |  |   |  |
| <b>Impact GHG-2:</b><br>Potential to conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emission of greenhouse gases | <b>APM GHG-1: SF<sub>6</sub> Management:</b> The proposed Salt Creek Substation would be an air-insulated substation. Equipment containing sulfur hexafluoride (SF <sub>6</sub> ) gas will only be used for transmission circuit breakers. SDG&E SF <sub>6</sub> mitigation strategies will be implemented during operation and maintenance of SF <sub>6</sub> -containing equipment installed as part of the proposed project. These strategies are as follows: <ul style="list-style-type: none"> <li>Recording company-wide SF<sub>6</sub> purchases, use, and emissions rates to comply with the EPA rule on Electrical Transmission and Distribution Equipment Use (Mandatory Reporting of Greenhouse Gases, 40 Code of Federal Regulations [CFR] Part 98, Subpart DD) and CARB's Regulation for Reducing Sulfur Hexafluoride Emissions from Gas Insulated Switchgear (California Code of Regulations [CCR] Title 17, Sections 95350–95359).</li> <li>Continuing to participate in the EPA Sulfur Hexafluoride Partnership.</li> <li>Implementing a recycling program.</li> <li>Training employees on safe and proper handling of SF<sub>6</sub>.</li> <li>Continuing to report greenhouse gas emissions to The Climate Registry.</li> <li>Implementing SDG&amp;E's SF<sub>6</sub> leak detection and repair program. This program includes monthly visual inspections of each gas circuit breaker (GCB), which includes checking pressure levels within the breaker and recording these readings in SDG&amp;E's Substation Management System. During installation or major overhaul of any GCB, the unit is tested over a 24-hour period to ensure that no leaks are present. Minor overhauls of each GCB are conducted every 36 to 40 months to check overall equipment health. This process includes checking gas pressure, moisture ingress, and SF<sub>6</sub> decomposition. If the GCB fails any of these checks, the unit is checked for leaks and repaired. In addition, all GCBs are equipped with a gas monitoring device and alarm that automatically alerts SDG&amp;E's Grid Operations Center. If gas pressure approaches minimum operating levels, an alarm is immediately reported to</li> </ul> | <b>SDG&amp;E:</b><br>Implement SF <sub>6</sub> mitigation strategies defined in the measure.<br><br><b>CPUC:</b><br>Verify SF <sub>6</sub> mitigation strategies are implemented for SF <sub>6</sub> -containing equipment. | SF <sub>6</sub> mitigation strategies are implemented. | <b>Timing:</b><br>After construction<br><br><b>Location:</b><br>Salt Creek Substation | Reporting  |

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|  | <p>SDG&amp;E's Substation Construction and Maintenance Department. The GCB is usually inspected for leaks within 24 hours of such an alarm. SDG&amp;E's leak detection practice includes the following three methodologies:</p> <ul style="list-style-type: none"> <li>- Spraying a leak-detection agent onto common leak points, including O rings, gaskets, and fittings;</li> <li>- Using a field-monitoring device (sniffer) to detect the presence of SF<sub>6</sub> gas; and</li> <li>- Using a Flir's leak-detection camera to detect the presence of SF<sub>6</sub> gas when the above two methods are unsuccessful in finding a leak.</li> </ul>  |  |   |   |  |
| <p><b>Impact GHG-2</b><br/><b>Impact Utilities-7</b></p> | <p><b>Mitigation Measure GHG-1:</b> In accordance with requirements in Assembly Bill 1826, SDG&amp;E shall dispose of organic waste (defined in PRC Section 42649.8(c) as food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste) removed on and after April 1, 2016 by means other than transporting to a landfill if the amount of organic waste meets or exceeds 8 cubic yards per week. On and after January 1, 2017, SDG&amp;E shall dispose of organic waste by means other than transporting to a landfill if the amount of organic waste meets or exceeds 4 cubic yards per week. Options for non-landfill disposal may include composting on previously disturbed SDG&amp;E land, self-hauling organic waste for recycling, or participating in a greenwaste recycling program in accordance with subdivision (b) of AB 1826. SDG&amp;E shall notify the CPUC of the disposal method at least 30 days prior to construction.</p> | <p><b>SDG&amp;E:</b><br/>Dispose of organic matter removed on and after April 1, 2016 in accordance with AB 1826.<br/>Notify CPUC of disposal method at least 30 days prior to construction.</p> <p><b>CPUC:</b><br/>Verify non-landfill disposal method for organic waste on and after April 1, 2016.</p> | <p>Organic waste on and after April 1, 2016 is disposed of in a manner consistent with AB 1826.</p> | <p><b>Timing:</b><br/>Prior to and during construction</p> <p><b>Location:</b><br/>To be determined during determination of disposal method</p> | <p>Notification</p>                                  |

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| <b>Hazards and Hazardous Materials</b>   |   |  |  |  |  |
| <p><b>Impact Hazards-1:</b><br/>Potential to create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials, or through accidental release of a hazardous material through upset or accident conditions</p> <p><b>Impact Hazards-3:</b><br/>Potential to emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within 0.25 miles of an existing or proposed school</p> <p><b>Impact Hydro-1</b><br/><b>Impact Hydro-5</b><br/><b>Impact Hydro-6</b></p> | <p><b>APM HAZ-1: Spill Prevention, Control, and Countermeasure Plan and Hazardous Substance Management and Emergency Response Plan:</b> A Spill Prevention, Control, and Countermeasure (SPCC) Plan will be prepared prior to project construction; an SPCC Plan is required for the transformers at the proposed Salt Creek Substation because the transformers would contain more than 1,320 gallons of mineral oil. The SPCC Plan will establish procedures, methods, equipment requirements, and worker training to prevent oil spills or leaks from reaching navigable waterways.</p> <p>A Hazardous Substance Management and Emergency Response (HSMER) Plan will be prepared prior to project construction that addresses response procedures in the event of any release or spill of hazardous materials during construction. The HSMER Plan will establish procedures, methods, equipment requirements, and worker training to prevent spills or leaks from reaching waterways and leaving the site.</p> | <p><b>SDG&amp;E:</b><br/>Prepare the SPCC and HSMER Plans.</p> <p><b>CPUC:</b><br/>Review the SPCC and HSMER Plans.</p>  | <p>The Plans contains all necessary information.</p> <p>Procedures and requirements in the Plans are implemented.</p>  | <p><b>Timing:</b><br/>Prepare Plans prior to construction</p> <p><b>Location:</b><br/>All work areas</p>   | <p>Plans</p> <p>Avoidance and Minimization</p>       |
| <p><b>Impact Hazards-1</b><br/><b>Impact Hazards-3</b><br/><b>Impact Hydro-5</b></p>   | <p><b>APM HAZ-2: Hazardous Materials Management:</b> SDG&amp;E will prepare and implement a Hazardous Materials Business Plan required by Chapter 6.95 of the State of California Health and Safety Code if the project exceeds the threshold quantities of hazardous materials and/or waste.</p>   | <p><b>SDG&amp;E:</b><br/>Prepare a Hazardous Materials Business Plan.</p> <p><b>CPUC:</b><br/>Review the Hazardous Materials Business Plan.</p>  | <p>The Plan contains all necessary information.</p> <p>Procedures and requirements in the Plan are implemented.</p>  | <p><b>Timing:</b><br/>Prepare Plan prior to construction</p> <p><b>Location:</b><br/>All works areas</p>   | <p>Plans</p>   |
| <p><b>Impact Hazards-7:</b><br/>Potential to expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands</p> <p><b>Impact Bio-1</b><br/><b>Impact Bio-2</b><br/><b>Impact Bio-3</b><br/><b>Impact Bio-4</b><br/><b>Impact Bio-5</b></p>  | <p><b>APM HAZ-3: Wildland Fire Prevention and Fire Safety Practices:</b> Construction within "High" and "Very High" Fire Threat Zones (identified by the Fire and Resource Assessment Program (FRAP) maintained by CalFire) will be consistent with SDG&amp;E's current design standards to improve service reliability in fire-prone areas during extreme weather conditions. SDG&amp;E's current design standards include increasing conductor spacing to improve line clearances; installing steel poles to withstand extreme winds; installing self-supporting angle structures, which eliminate guying; and installing longer polymer insulators to minimize the potential of electrical faults caused by contamination, which will improve system reliability.</p> <p>SDG&amp;E will adhere to its current operating protocol, Electric Standard Practice (ESP) 113.1,</p>  | <p><b>SDG&amp;E:</b><br/>Work will be consistent with SDG&amp;E's design standards for fire-prone areas.</p> <p>Adhere to applicable protocols and plans (current operating protocol, Electric Standard Practice (ESP) 113.1, Wildland Fire Prevention and Fire Safety Standard Practice, and SDG&amp;E's project-specific Construction Fire Plan).</p> <p>A wildland fire specialist monitors weather conditions daily.</p> <p>Do not conduct "at risk" activities when the Fire Potential Index is Extreme or during Red Flag Warnings, with exception of those that present a greater fire risk if left undone.</p> <p><b>CPUC:</b></p> | <p>Construction is consistent with SDG&amp;E's design standards for fire-prone areas as well as applicable protocols and plans.</p> <p>Meteorologists and wildland fire specialists are available for consultation during construction.</p> <p>Work does not occur during times of high fire threat.</p> | <p><b>Timing:</b><br/>Train personnel prior to construction</p> <p>Implement fire measures throughout construction</p> <p>Monitor weather daily during construction</p> <p><b>Location:</b><br/>Entire project area</p> <p>Maintain fire tools and backpack pumps with water within 50 feet of work activities</p> | <p>Worker Training</p> <p>Monitoring</p>             |

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|----------------------------|---|--|------------------------|---------------------|--|
| <p><b>Impact Bio-7</b></p> | <p>Wildland Fire Prevention and Fire Safety Standard Practice, which includes requirements for carrying emergency fire suppression equipment; conducting "tailgate meetings" that cover fire safety discussions, restricting smoking, and idling vehicles; and restricting construction during red flag warnings. The project will also comply with SDG&amp;E's project-specific Construction Fire Plan. The Construction Fire Plan addresses the following fire risk reduction measures:</p> <ul style="list-style-type: none"> <li>• Training and briefing all personnel working on the project in fire prevention and suppression methods;</li> <li>• Conducting a fire prevention discussion at each morning's safety meeting;</li> <li>• Storage of prescribed fire tools and backpack pumps with water within 50 feet of work activities; and</li> <li>• Assigning personnel to conduct a "fire watch" or "fire patrol" to ensure that risk mitigation and fire preparedness measures are implemented, immediate detection of a fire, and to coordinate with emergency response personnel in the event of a fire.</li> </ul> <p>Weather and fire danger will be monitored daily by company wildland fire specialists to provide timely and immediate communication of significant changes that could impact the project. No work will occur during times of high fire threat, and if conditions change after commencing construction, work will cease in periods of extreme fire danger, such as red flag warnings issued by the National Weather Service or other severe fire weather conditions as identified by SDG&amp;E. "At risk" activities (i.e., activities in a wildland area that present a potential of ignition, either directly or indirectly, that may cause a fire) will not be conducted, except for those activities which, if left undone, present a greater risk than that involved with their accomplishment, when the Fire Potential Index is Extreme (includes Red Flag Warnings). Some activities may be allowed inside substation fences and inside staging yards after consultation with the On-duty Fire Coordinator/fire specialist to make a determination and identify additional mitigation requirements to reduce risk.</p> | <p>Verify that construction is consistent with SDG&amp;E's design standards for fire-prone areas and adheres to applicable protocols and plans.</p> <p>Verify wildland fire specialists are present periodically during construction.</p> <p>Verify "at risk" activities are not conducted during Extreme fire risk or Red Flag Warnings, with limited exceptions.</p> |                        |                     |  |

APM AND MM IMPLEMENTATION TABLE

| Impact   | APM/Mitigation Measure <sup>1</sup>  | Monitoring/Reporting Requirement   | Effectiveness Criteria  | Timing and Location   | Requirement Categories and Tracking Table References |
|--|--|--|---|---|--|
| <p>Impact Hazards-1<br/>Impact Utilities-8</p> | <p><b>Mitigation Measure Hazards-1:</b> SDG&amp;E shall excavate ("pothole") to the top of any buried utilities, including pipelines, that are located within 10 feet of a proposed excavation (i.e., pole foundation) to verify the location of the utility prior to initiating excavation work. Potholing work shall be performed using a non-destructive method (e.g., air vacuum extraction) that will not damage the pipeline once it is encountered. Potholing work shall be conducted under the oversight of a representative of the utility company. Potholing shall reveal the top of the pipeline only and shall not go any deeper than the top of the pipe, and shall not damage the pipe in any way. Two potholes shall be excavated at each associated foundation location so that the orientation of the pipeline can be verified. Potholes shall be backfilled with stockpiled soil once the location and orientation of the pipeline has been verified and marked. The utility company representative shall verify and approve that backfill and compaction of the potholes has been performed adequately. If the pipeline is located within the footprint of the proposed pole foundation, no pole foundation excavation work shall commence until SDG&amp;E and CPUC have been notified and the pole location has been relocated sufficiently far away from the buried pipeline to avoid any impacts to the buried pipeline.</p> | <p><b>SDG&amp;E:</b><br/>Locate all buried utilities within 10 feet of the proposed underground distribution line and ensure that no buried utilities are damaged in the process.<br/>Verify that backfilled holes are adequately filled and compacted.<br/><b>CPUC:</b><br/>Verify all buried utilities are located and not damaged in the process.</p>   | <p>Utilities are located, left undamaged, and properly covered.</p>   | <p><b>Timing:</b><br/>Prior to construction<br/><b>Location:</b><br/>Where the existing sewer line is within 10 feet of the proposed distribution line.</p> | <p>Avoidance and Minimization</p>                    |
| <p>Impact Hazards-7</p>                        | <p><b>Mitigation Measure Hazards-2:</b> SDG&amp;E and/or its contractors shall have water tanks and/or water trucks available at active project sites for fire protection during project construction. All construction vehicles shall have fire suppression equipment. Construction personnel shall be required to park vehicles away from dry vegetation. Prior to construction, SDG&amp;E's Fire Marshal/Coordinator shall contact and coordinate with CalFire and applicable local fire departments (i.e., City of Chula Vista and San Diego County) to determine the appropriate amounts of fire equipment to be carried on the vehicles and appropriate locations for the water tanks if water trucks are not used. SDG&amp;E shall submit verification of its consultation with CalFire and the local fire departments to CPUC.</p>   | <p><b>SDG&amp;E:</b><br/>Have water tanks and/or water trucks available at active project sites and require construction vehicles to have fire suppression equipment.<br/>Park vehicles away from dry vegetation.<br/>Consult with CalFire and local fire departments to determine appropriate amount of fire equipment to carry and locations for water tanks, if necessary.<br/><b>CPUC:</b><br/>Verify water tanks and/or water trucks are available at active project sites.<br/>Verify vehicles are parked away from dry vegetation.<br/>Review consultation with CalFire and local fire departments.</p> | <p>Water trucks are available at active project sites.<br/>Vehicles are parked away from dry vegetation.<br/>Consultation with CalFire and local fire departments occurs.</p> | <p><b>Timing:</b><br/>Prior to and during construction<br/><b>Location:</b><br/>Entire project area</p>   | <p>Avoidance and Minimization</p>                    |

APM AND MM IMPLEMENTATION TABLE

| Impact   | APM/Mitigation Measure <sup>1</sup>  | Monitoring/Reporting Requirement   | Effectiveness Criteria  | Timing and Location   | Requirement Categories and Tracking Table References                           |
|--|--|--|---|---|--|
| <b>Hydrology and Water Quality</b>   |  |  |   |   |  |
| <p><b>Impact Hydro-1:</b><br/>Potential to violate any water quality standards or waste discharge requirements</p> <p><b>Impact Hydro-3:</b><br/>Potential to substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation on or off site</p> <p><b>Impact Hydro-5:</b><br/>Potential to create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff</p> <p><b>Impact Bio-1</b><br/><b>Impact Bio-2</b><br/><b>Impact Bio-3</b><br/><b>Impact Bio-4</b><br/><b>Impact Bio-5</b><br/><b>Impact Bio-7</b><br/><b>Impact Bio-8</b><br/><b>Impact GeologySoils-4</b><br/><b>Impact Hazards-1</b><br/><b>Impact Hazards-3</b></p> | <p><b>APM HYDRO-1: Stormwater Pollution Prevention Plan:</b> SDG&amp;E will obtain coverage for the project under the Construction General Permit (Order No. 2009-0009-DWQ, as amended by 2010-0014-DWQ and 2012-0006-DWQ), which requires submittal of Permit Registration Documents (PRDs) to the State Water Resources Control Board. The PRDs include a Stormwater Pollution Prevention Plan (SWPPP), which will include the following:</p> <ul style="list-style-type: none"> <li>• Identification of pollutant sources and non-stormwater discharges associated with construction activity.</li> <li>• Specifications for erosion control best management practices (BMPs) that would be implemented, inspected, and maintained during construction of the project to minimize erosion and the potential for accidental releases, and to minimize pollutants in the runoff from the construction areas, including pollutants from storage and maintenance areas and building materials laydown areas.</li> <li>• Procedures for spill response and implementation.</li> <li>• Personnel training procedures for protocols included in the SWPPP.</li> <li>• Requirements for reporting and recordkeeping.</li> <li>• Procedures for water sampling and analysis of pollutants to ensure that Numeric Action Levels and Numeric Effluent Limitations are not exceeded.</li> </ul> | <p><b>SDG&amp;E:</b><br/>Submit PRDs, including the SWPPP to the State Water Resources Control Board prior to construction.<br/><br/>Implement requirements for the General Permit and SWPPP.<br/><br/><b>CPUC:</b><br/>Verify PRDs are submitted to the State Water Resources Control Board.<br/><br/>Verify SWPPP and General Permit requirements are implemented.</p> | <p>SWPPP and General Permit requirements are implemented.</p>   | <p><b>Timing:</b><br/>Submit PRDs prior to construction<br/>Implement SWPPP during construction<br/><br/><b>Location:</b><br/>Entire project area</p> | <p>Plans<br/>Permits and Authorizations<br/>Worker Training<br/>Monitoring</p> |
| <p><b>Impact Hydro-1</b><br/><b>Impact Hydro-3</b></p>   | <p><b>APM HYDRO-2: Stormwater Management Plan:</b> SDG&amp;E will prepare and implement a Stormwater Management Plan that addresses post-construction drainage and water quality impacts (in tandem with the site design) in accordance with the City of Chula Vista's Standard Urban Stormwater Mitigation Plan (SUSMP) to comply with the Regional Municipal Separate Stormwater Sewer System (MS4) Permit (i.e., Clean Water Act Section 403, NPDES Permit). Any long-term maintenance activities</p>   | <p><b>SDG&amp;E:</b><br/>Prepare and implement a Stormwater Management Plan in accordance with the City of Chula Vista's SUSMP and the MS4 permit.<br/><br/>Follow the City of Chula Vista's SUSMP for any long-term maintenance activities.<br/><br/><b>CPUC:</b><br/>Review Stormwater Management Plan.</p>  | <p>The Plan contains all necessary information and complies with all applicable plans and permits.<br/><br/>Measures in the Plan are implemented.</p> | <p><b>Timing:</b><br/>Plan is prepared prior to the end of construction<br/><br/><b>Location:</b><br/>Entire project area</p>                         | <p>Plans<br/>Permits and Authorizations</p>                                    |

**APM AND MM IMPLEMENTATION TABLE**

| Impact   | APM/Mitigation Measure <sup>1</sup>   | Monitoring/Reporting Requirement  | Effectiveness Criteria   | Timing and Location  | Requirement Categories and Tracking Table References |
|--|---|---|--|--|--|
|  | required in the Water Quality Technical Report prepared for the proposed project would be in accordance with the City's SUSMP.  | Verify long-term maintenance activities are in accordance with the City of Chula Vista's SUSMP.   |  |  |  |
| <b>Impact Hydro-1</b>  | <b>Mitigation Measure Hydro-2:</b> Groundwater extracted during construction dewatering shall not be discharged to surface waters or storm drains. If dewatering is necessary, the water would either be directed to relatively flat upland areas for evaporation and infiltration back to the water table, used for dust control, used to irrigate upland areas, or used as makeup for a construction process (e.g., concrete production). If extracted groundwater is found not to be clean, clear, and odor-free, it shall be disposed of at an appropriate designated facility. | <b>SDG&amp;E:</b><br>SDG&E will not discharge groundwater to surface water or storm drains.<br>Direct water to relatively flat upland areas if dewatering is necessary.<br><b>CPUC:</b><br>Verify measure is implemented as defined during monitoring.  | Groundwater is not discharged to surface water or storm drains.<br>Water is directed to relatively flat upland areas if necessary. | <b>Timing:</b><br>Groundwater excavation during construction<br><b>Location:</b><br>All excavated areas                                      | Avoidance and Minimization                           |
| <b>Impact Hydro-3</b><br><b>Impact Hydro-5</b>   | <b>Mitigation Measure Hydro-3:</b> The water detention basin to be installed at the substation site shall be designed in accordance with the City of Chula Vista Development Stormwater Manual. The stormwater detention basin design shall be submitted to the City and CPUC for review and approval no less than 60 days prior to construction.   | <b>SDG&amp;E:</b><br>Prepare water detention basin design in accordance with the City of Chula Vista Development Stormwater Manual.<br>Submit design to the City of Chula Vista and CPUC at least 60 days prior to construction.<br><b>CPUC:</b><br>Review the stormwater detention basin design. | Water detention basin is built in accordance with the City of Chula Vista Development Stormwater Manual.                           | <b>Timing:</b><br>Submit design at least 60 days prior to construction<br><b>Location:</b><br>Water detention basin at Salt Creek Substation | Permits and Authorizations                           |
| <b>Noise</b>   |   |   |  |  |  |
| <b>Impact Noise-4:</b><br>Potential to result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity during construction<br><b>Impact Recreation-3</b>                                      | <b>APM NOISE-1: Mufflers:</b> Functioning mufflers will be maintained on all construction equipment.  | <b>SDG&amp;E:</b><br>Maintain functioning mufflers on all equipment.<br><b>CPUC:</b><br>Verify that functioning mufflers are maintained.  | Mufflers for all equipment are properly maintained.  | <b>Timing:</b><br>During construction<br><b>Location:</b><br>Throughout life of the project  | Avoidance and Minimization                           |
| <b>Impact Noise-1:</b><br>Potential to expose persons to or generate noise levels in excess of standards established in the local general plan or noise ordinance or applicable standards of other agencies<br><b>Impact Noise-4</b> | <b>APM NOISE-3: Construction Outside of Allowed Hours:</b> If construction activities are required outside of the permissible local construction hours, SDG&E will meet and confer with the City of Chula Vista and the County of San Diego prior to conducting construction outside the permitted hours.   | <b>SDG&amp;E:</b><br>Meet and confer with Agencies, as necessary.<br><b>CPUC:</b><br>Verify SDG&E has met and conferred with Agencies, as necessary.  | Construction outside of allowed hours is approved.   | <b>Timing:</b><br>Prior to construction outside of allowed hours<br><b>Location:</b><br>Entire project area                                  | Notification   |



APM AND MM IMPLEMENTATION TABLE

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|---|--|--|--|--|--|
| <p>Impact Noise-4<br/>Impact Recreation-3<br/>Impact Recreation-4</p> | <p><b>Mitigation Measure Noise-1:</b> SDG&amp;E shall provide notice by mail to all sensitive receptors and residences within 300 feet of construction sites, staging yards, helicopter fly yards, and access roads at least one week prior to construction activities. SDG&amp;E shall also post notices at the access road to the proposed substation and in SDG&amp;E's right-of-way where the right-of-way is located within 300 feet of designated trails, public parks, and roads. The announcement shall state specifically where and when construction will occur in the area. For areas that would be exposed to helicopter noise, the announcement shall provide specific details on the schedule of the dates, times, and duration of helicopter activities. Notices shall provide tips on reducing noise intrusion, for example, by closing windows facing the planned construction.</p> <p>SDG&amp;E shall identify and provide a public liaison person before and during construction through project energization to respond to concerns of neighboring receptors, including residents, about noise construction disturbance. SDG&amp;E shall also establish a toll-free telephone number for receiving questions or complaints during construction through project energization and develop procedures for responding to callers. Procedures for reaching the public liaison officer via telephone or in person shall be included in the above notices and also posted conspicuously at the construction site(s). SDG&amp;E shall address all complaints within one week of when the complaint is filed. SDG&amp;E shall provide monthly reports with records of complaints and responses to the CPUC. These reports shall be provided to CPUC within 15 days of the end of the month.</p> | <p><b>SDG&amp;E:</b><br/>Prepare notice and send via mail to all sensitive receptors defined in the measure.<br/>Post notices in public areas.<br/>Appoint a public liaison person and establish a hot line.<br/>Submit monthly reports to the CPUC within 15 days of the end of the month.</p> <p><b>CPUC:</b><br/>Review the notice that will be sent to sensitive receptors and verify that it has been mailed to appropriate sensitive receptors.<br/>Verify the appointment of a public liaison person and establishment of a hot line.<br/>Review monthly reports.</p> | <p>The public is notified of construction activities.<br/>Notices are posted in public areas.<br/>A public liaison person is appointed.<br/>Reports detail complaints and responses.</p> | <p><b>Timing:</b><br/>Notify sensitive receptors and post notices at least 1 week prior to construction activities<br/>Appoint public liaison person prior to construction<br/>Monthly reports are sent within 15 days of the end of every month</p> <p><b>Location:</b><br/>Sensitive receptors and residences within 300 feet of construction sites, staging yards, helicopter fly yards, and access roads</p> | <p>Notification<br/>Reporting</p>                    |
| <p>Impact Noise-4<br/>Impact Recreation-3<br/>Impact Recreation-4</p> | <p><b>Mitigation Measure Noise-2:</b> SDG&amp;E shall comply with local noise rules, standards, and/or ordinances by implementing the following noise-suppression techniques and standards set by local authorities. SDG&amp;E shall submit a request to CPUC for any construction activities that must occur outside of the permitted construction hours allowed by local ordinances. The request shall include details on the noise levels resulting from construction activities occurring outside the permitted construction hours. CPUC will not authorize any work outside of locally permitted construction hours that would exceed local standards. SDG&amp;E shall also</p>   | <p><b>SDG&amp;E:</b><br/>Implement the noise-suppression techniques and standards defined in the measure.<br/>Request permission from CPUC for any construction activities that must occur outside of permitted hours.</p> <p><b>CPUC:</b><br/>During monitoring, verify noise-suppression techniques and standards are implemented.<br/>Review and approve requests for construction activities outside permitted hours.</p>  | <p>Noise-suppression techniques and standards are implemented.<br/>Construction outside of permitted hours is approved and does not create noise in excess of local standards.</p>       | <p><b>Timing:</b><br/>During construction</p> <p><b>Location:</b><br/>All work areas</p>   | <p>Avoidance and Minimization</p>                    |

APM AND MM IMPLEMENTATION TABLE

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|--|---|---|--|--|--|
|  | <p>employ the following noise-suppression techniques to reduce construction noise:</p> <ul style="list-style-type: none"> <li>• Use noise reduction features on construction equipment (e.g., mufflers and engine shrouds) that are no less effective than those originally installed by the manufacturer.</li> <li>• Install temporary sound walls or acoustic blankets to shield adjacent residences from stationary equipment where residences are located within 300 feet of the equipment. The sound walls or acoustic blankets shall have a height of no less than 3 feet higher than noise-generating piece(s) or parts of equipment, a Sound Transmission Class of 27 or greater, and a surface with a solid face from top to bottom without any openings or cutouts along the face or at the base of the barrier.</li> <li>• Minimize unnecessary construction vehicle use and idling time. 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. If a vehicle is not required for use immediately or continuously for construction activities, its engine shall be shut off.</li> </ul> |   |  |  |  |
| <b>Recreation</b>  |   |   |  |  |  |
| <p><b>Impact Recreation-1:</b><br/>Potential to substantially disrupt recreational activities or increase the use of recreational facilities such that substantial physical deterioration of the facilities would occur or be accelerated</p> <p><b>Impact Traffic-3:</b><br/>Potential to substantially increase hazards due to a design feature or incompatible uses</p> | <p><b>APM REC-1: Temporary Trail Detours:</b> Where feasible, temporary detours will be provided for trail users. Signs will be posted to direct trail users to temporary trail detours. If a trail detour is not feasible, the trail will be closed and signs will alert trail users 1 week in advance of the closure. Signs will be posted within 200 feet of the trail closure area.</p>   | <p><b>SDG&amp;E:</b><br/>Establish temporary trail detours where feasible and close trails when necessary. Post signs alerting trail users of closure one week in advance of the closure.</p> <p><b>CPUC:</b><br/>Verify temporary detours are established and trails are closed, as necessary. Verify signs are posted one week in advance of the trail closure.</p> | <p>Detours are established where feasible and/or trails are closed when necessary. Signs are posted near trail closure area.</p> | <p><b>Timing:</b><br/>Temporary detours during construction<br/>If trails are closed, post signs one week in advance of closure</p> <p><b>Location:</b><br/>Post signs within 200 feet of trail closure area</p> | <p>Notification<br/>Avoidance and Minimization</p>   |
| <p><b>Impact Recreation-1</b></p>  | <p><b>Mitigation Measure Recreation-1:</b> SDG&amp;E shall prepare a Pre-Project Trail Condition Report that documents the condition of designated and unofficial trails located within the project work area, prior to construction. The Pre-Project Trail Condition Report shall be submitted to CPUC 30 days prior to construction. SDG&amp;E shall repair all damage to trails (e.g., rutting) caused by</p>  | <p><b>SDG&amp;E:</b><br/>Submit the Pre-Project Trail Report to the CPUC at least 30 days prior to construction. Repair damage to all trails caused by construction.</p>  | <p>The Plans contains all necessary information. All damaged trails are repaired.</p>  | <p><b>Timing:</b><br/>Submit Pre-Project Trail Report at least 30 days prior to construction<br/>Repair damage during construction</p>   | <p>Reporting<br/>Avoidance and Minimization</p>      |

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|--|--|---|---|--|--|
|  | construction vehicles by the completion of construction. SDG&E shall prepare a Post-Project Trail Condition Report documenting the final state of all trails within the project work area and access roads. The Post-Project Trail Condition Report shall be submitted to the CPUC within 90 days of construction completion. SDG&E shall complete all trail repairs to the approval of CPUC.  | Submit the Post-Project Trail Report to the CPUC within 90 days of construction completion.<br><b>CPUC:</b><br>Review the Pre-Project and Post-Project Trail Reports.<br>Verify all trails are repaired by the end of construction.                       |   | Submit Post-Project Trail Report within 90 days of construction completion<br><b>Location:</b><br>Designated and unofficial trails located within the project area |  |
| <b>Impact Recreation-2:</b><br>Potential to include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment  | <b>Mitigation Measure Recreation-2:</b> SDG&E shall use existing trails, paths, and walkways for any temporary trail detours.  | <b>SDG&amp;E:</b><br>Use existing paths for temporary detours.<br><b>CPUC:</b><br>Verify that existing paths are used for temporary detours.  | Existing trails are used for temporary detours                                      | <b>Timing:</b><br>During construction<br><b>Location:</b><br>Existing trails, paths, and walkways  | Avoidance and Minimization                           |
| <b>Transportation and Traffic</b>  |  |   |   |  |  |
| <b>Impact Traffic-3</b>  | <b>APM TRANS-1: Steel Plating:</b> Steel plating will be placed over open trenches to maintain vehicular and pedestrian traffic across areas that are not under active construction.   | <b>SDG&amp;E:</b><br>Place steel plating over open trenches to maintain vehicle and pedestrian access.<br><b>CPUC:</b><br>Verify trenches are covered to maintain access.   | Vehicular and pedestrian traffic is maintained with steel plating.                  | <b>Timing:</b><br>During construction<br><b>Location:</b><br>Open trenches where vehicle and pedestrian access occur   | Avoidance and Minimization                           |
| <b>Impact Traffic-3</b><br><b>Impact Traffic-5:</b><br>Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities<br><b>Impact GHG-2</b><br><b>Impact Recreation-1</b> | <b>Mitigation Measure Traffic-3:</b> SDG&E shall develop and implement a project-specific Transportation Management Plan (TMP) to be implemented during construction. SDG&E shall submit the plan to CPUC for review and approval at least 30 days prior to construction. The TMP shall conform to the <i>California Joint Utility Traffic Control Committee's Work Area Protection and Traffic Control Manual</i> . The TMP shall include provisions for the following:<br><ul style="list-style-type: none"><li>• Implementation of standard safety practices, including installation of appropriate barriers between work zones and transportation facilities, placement of appropriate signage, and use of traffic control devices.</li><li>• Use of flaggers and/or signage to guide vehicle through or around construction zones using proper techniques for construction activities.</li><li>• Storage of all equipment and materials in designated work areas in a manner that minimizes traffic obstructions and maximizes sign visibility.</li></ul> | <b>SDG&amp;E:</b><br>Submit the project-specific TMP to CPUC at least 30 days prior to construction.<br>Submit encroachment permits.<br><b>CPUC:</b><br>Review the project-specific TMP.<br>Verify measures in the TMP are implemented during monitoring. | The TMP contains all necessary information.<br>Measures in the TMP are implemented. | <b>Timing:</b><br>Submit TMP at least 30 days prior to construction<br><b>Location:</b><br>Roads throughout the entire project area                                | Plans<br>Avoidance and Minimization                  |

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|--|---|---|---|--|---|
|  | <ul style="list-style-type: none"> <li>Limiting of vehicles to safe speed levels according to posted speed limits, road conditions, and weather conditions.</li> <li>Coordination with public transit provider.</li> <li>Routing of trucks to avoid minor roads, where possible, to reduce congestion and potential asphalt damage.</li> <li>Repair of asphalt and other road damage (e.g., curb and gutter damage, rutting in unpaved roads) caused by construction vehicles.</li> <li>Detours for cyclists and pedestrians when bike lanes or sidewalks must be closed.</li> <li>Abiding by encroachment permit conditions, which shall supersede conflicting provisions in the TMP.</li> </ul> |   |   |  |   |
| <b>Utilities and Service Systems</b>   |   |   |   |  |   |
| <p><b>Impact Utilities-8:</b> Cause substantial deterioration or damage to gas, water, or sewer pipelines</p> <p><b>Impact Hazards-1</b></p> | <p><b>APM UTIL-1: Utility Notification:</b> Prior to trenching, SDG&amp;E will notify other utility companies to locate and mark existing underground utilities along the proposed underground alignment.</p>   | <p><b>SDG&amp;E:</b><br/>Notify other utility companies to locate and mark existing underground utilities along the proposed underground alignment.</p> <p><b>CPUC:</b><br/>Verify other utility companies locate and mark existing utilities.</p>  | <p>Existing underground utilities are marked.</p>   | <p><b>Timing:</b><br/>Prior to trenching activities</p> <p><b>Location:</b><br/>Underground project features</p>   | <p>Notification</p>                                   |
| <p><b>Impact Utilities-8</b></p> <p><b>Impact Hazards-1</b></p>  | <p><b>Mitigation Measure Utilities-1:</b> SDG&amp;E shall notify all appropriate utility companies to locate and mark existing underground utilities along the entire length of the alignment at least 30 days prior to construction. No subsurface work shall be conducted that would conflict with a buried utility. In the event of a conflict, the project will be realigned vertically and/or horizontally as appropriate to avoid utilities and provide adequate operational and safety buffering.</p>  | <p><b>SDG&amp;E:</b><br/>Notify utility companies at least 30 days prior to construction.<br/>Do not conduct any subsurface work that would conflict with a buried utility.<br/>Prepare realignments of the project, if necessary.</p> <p><b>CPUC:</b><br/>Verify notification of utility companies at least 30 days prior to construction.<br/>Verify subsurface work does not conflict with existing utilities.<br/>Verify realignments of the project, if necessary.</p> | <p>Underground utilities are marked and if necessary, project is re-aligned.</p>  | <p><b>Timing:</b><br/>Utilities are marked least 30 days prior to construction</p> <p><b>Location:</b><br/>Entire project area</p>   | <p>Notification</p> <p>Avoidance and Minimization</p> |
| <p><b>Impact Utilities-9:</b> Disrupt existing utility systems or conflict with utility ROWs</p>   | <p><b>Mitigation Measure Utilities-2:</b> Prior to construction in which a utility service interruption is known to be unavoidable, SDG&amp;E shall notify members of the public affected by the planned outage at least 10 calendar days prior to the impending interruption for residential outages and commercial outages. Copies of the notices and dates shall be provided to the CPUC at the time the notices are distributed to the public. In</p>   | <p><b>SDG&amp;E:</b><br/>Send notices to public at least 10 calendar days prior to an impending utility service interruption for residential outages and commercial outages.<br/>Notify the CPUC and affected utility company/companies in the event of an unforeseen utility service disruption.</p>   | <p>Notices are sent to alert the public of known utility service interruptions.<br/>Notices are immediately sent to the CPUC and affected utility companies in the event of an unforeseen utility service disruption.</p> | <p><b>Timing:</b><br/>Send notices to public at least 10 calendar days prior to an impending utility service interruption<br/>Send notices to CPUC and utility companies immediately if the event in</p> | <p>Notification</p>                                   |

**APM AND MM IMPLEMENTATION TABLE**

| Impact                    | APM/Mitigation Measure <sup>1</sup>   | Monitoring/Reporting Requirement  | Effectiveness Criteria  | Timing and Location   | Requirement Categories and Tracking Table References |
|---------------------------|---|---|---|---|--|
|                           | the event of an unforeseen utility service disruption, SDG&E shall immediately notify the CPUC and affected utility company/companies to determine appropriate actions.   | <b>CPUC:</b><br>Review notices and dates of scheduled service interruptions.<br>Verify notices are sent to utility companies in the case of unforeseen service interruptions.         |   | an unforeseen utility disruption<br><b>Location:</b><br>Not applicable  |  |
| <b>Impact Utilities-9</b> | <b>Mitigation Measure Utilities-3:</b> SDG&E shall acquire easements for access roads from the SDCWA and the City of Chula Vista prior to use of these roads, as needed. SDG&E shall maintain City of Chula Vista access to buried sewer lines throughout the duration of construction. | <b>SDG&amp;E:</b><br>Acquire easements from SDCWA and City of Chula Vista.<br>Maintain access to buried sewer lines for the City of Chula Vista.<br><b>CPUC:</b><br>Review easements. | Required easements are acquired.<br>Access to buried sewer lines for the City of Chula Vista is maintained. | <b>Timing:</b><br>Easements acquired prior to construction<br>Access to buried sewer lines is maintained during construction<br><b>Location:</b><br>Access roads owned by SDCWA and City of Chula Vista | Avoidance and Minimization                           |

Notes:  
<sup>1</sup> The Chapter 9 MMRP table published with the Final EIR included 14 measures that do not apply to Alternative 2, which include APM AES-3, MM Aesthetics-4, Optional Measure Aesthetics-1, MM Biology-4, MM Biology-5, MM Biology-10, MM Biology-11, APM CUL-3, MM Hydro-1, APM NOISE-2, MM Noise-3, MM Noise-4, MM Traffic-1, and MM Traffic-4. These measures were omitted from this table.

# APPENDIX C REQUIREMENT TRACKING TABLES

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**REQUIREMENT TRACKING TABLES**

**Table C-1 Permit and Agency Authorization Tracking Table**

| Permit/Authorization  | Purpose   | Associated Requirements   | Timing and Submittal Requirements <sup>1</sup>   | Required Agency Review <sup>2</sup>                   |  | Status   |
|---|---|---|--|---|--|--|
|   |   |   |  | Submitted   | Approved                                 |  |
| <b>Federal and State Agencies</b>   |   |   |  |   |  |  |
| <b>SDG&amp;E Subregional Natural Community Conservation Plan<sup>3</sup> (NCCP)</b>                           | The SDG&E Subregional NCCP includes a Federal Endangered Species Act (ESA) Section 10(A) permit and a California ESA Section 2081 Memorandum of Understanding for incidental take with an Implementation Agreement with the United States Fish and Wildlife Service (USFWS) and California Department of Fish and Wildlife (CDFW), respectively, for the management and conservation of multiple species and their associated habitats.<br><br><i>Federal Endangered Species Act, Section 10(A); California Endangered Species Act, Section 2081; California NCCP Act; and California Native Plant Protection Act</i> | APM BIO-2<br>MM Biology-1a  | *If SDG&E obtains additional take permits or NCCP authorizations, SDG&E shall provide CPUC with copies of permits or other authorizations for incidental take of species, including amendments to the NCCP and supporting documentation (i.e., correspondence with USFWS and CDFW).  | *USFWS: N/A<br>*CDFW: N/A<br>*CPUC: N/A               | *USFWS: N/A<br>*CDFW: N/A<br>*CPUC: N/A  | <b>Complete</b><br>12/15/1995 Document<br>No additional take permits are anticipated at this time.   |
| <b>Compensatory mitigation for impacts to vegetation communities</b>  | SDG&E Subregional NCCP, Sections 7.2 and 7.4  | MM Biology-1b<br>*Habitat Enhancement Plan for Vegetation Communities (refer to Table C-2)          | (A) SDG&E shall submit evidence of available habitat mitigation lands to CPUC no less than 30 days prior to construction<br><del>(B) SDG&amp;E shall submit a Habitat Enhancement Plan for Vegetation Communities to USFWS, CDFW, and CPUC no less than 30 days prior to construction.</del><br>*If SDG&E elects to submit a plan, refer to Table C-2. | USFWS: N/A<br>CDFW: N/A<br>CPUC: 1/28/16              | USFWS: N/A<br>CDFW: N/A<br>CPUC: 5/16/16 | <b>Complete</b><br>SDG&E elected option A, and submitted evidence of available habitat mitigation lands for impacts associated with the substation property.<br><br>For impacts to special-status plants, SDG&E prepared a Salvage and Relocation Plan for Special-Status Plants, as described in Table C-2. |
| <b>State Agencies</b>   |   |   |  |   |  |  |
| <b>CPUC Permit to Construct (PTC)</b>   | CPUC authorization to construct the project<br><i>CPUC General Order 131-D</i>  | All project APMs, MMs, and plans  | SDG&E was required to obtain approval for a PTC from CPUC prior to constructing the project, as approved by CPUC.  | CPUC: 9/25/13   | CPUC: 5/12/16                            | <b>Complete</b><br>The Commission approved the project (Alternative 2) on May 12, 2016.  |
| <b>National Pollutant Discharge Elimination System (NPDES) Construction General Permit (CGP)</b>              | Disturbance of more than 1 acre of land during construction<br><i>Order No. 2009-0009-DWQ, as amended by 2010-0014-DWQ and 2012-0006-DWQ</i>  | APM HYDRO-1<br>APM HYDRO-2<br>Stormwater Pollution and Prevention Plan (SWPPP) (refer to Table C-2) | SDG&E shall submit Permit Registration Documents (PRDs) and the SWPPP to the State Water Resources Control Board (SWRCB) and CPUC for review and approval no less than 30 days prior to construction.  | SWRCB: 3/25/16<br>CPUC: 2/12/16, 4/22/16, and 6/09/16 | SWRCB: 3/25/16<br>CPUC: 6/16/16          | <b>Complete</b><br>CPUC approved the SWPPP on 6/16/16<br>WDID number (No. 9 37C375119) has been obtained from RWQCB.   |
| <b>General NPDES Permit for Discharges from Utility Vaults &amp; Underground Structures to Surface Waters</b> | Discharge of water from utility vaults during operation and maintenance<br><i>NPDES No. CAG990002; Order No. 2006-0008-DWQ</i>  | None  | SDG&E shall submit dewatering permits to CPUC prior to discharging water from excavations or utility vaults.   | SWRCB: TBD<br>CPUC: TBD                               | SWRCB: TBD<br>CPUC: TBD                  | <b>Pending</b><br>Section 3.5 of the SWPPP for Non-Storm Water Discharges states "If dewatering is to be used, RWQCB shall be consulted on any required permits or Basin Plan conditions."   |

**REQUIREMENT TRACKING TABLES**

| Permit/Authorization              | Purpose  | Associated Requirements | Timing and Submittal Requirements <sup>1</sup>  | Required Agency Review <sup>2</sup>   |  | Status   |
|-----------------------------------|--|-------------------------|---|---|--|--|
|                                   |  |                         |   | Submitted   | Approved   |  |
| <b>Local Agencies</b>             |  |                         |   |   |  |  |
| <b>Structural Permit</b>          | Construction of walls for the access road and Salt Creek Substation                            | None                    | SDG&E shall acquire a structural permit from the City prior to constructing walls for the access road and substation. | <b>City of Chula Vista:</b> TBD<br><b>CPUC:</b> TBD   | <b>City of Chula Vista:</b> TBD<br><b>CPUC:</b> TBD                                  | Not Applicable. No separate structural permit required. See grading permit.  |
| <b>Grading/Driveway Permits</b>   | Proposed grading at the Salt Creek Substation and sidewalk alterations; TL 6965 undergrounding | None                    | SDG&E shall submit grading permits to CPUC prior to grading at the Salt Creek Substation or driveway.                 | <b>City of Chula Vista:</b><br><b>CPUC:</b> 3/15/16   | <b>City of Chula Vista:</b><br><b>CPUC:</b> 05/15/16                                 | <b>Complete</b>  |
| <b>Recycled Water Application</b> | Use of recycled water in San Diego County  | None                    | SDG&E shall submit an authorized recycled water application to CPUC prior to using recycled water for the project.    | <b>Otay Water District (OWD routes to San Diego County DEH):</b> 2/3/16<br><b>CPUC:</b> TBD | <b>San Diego County, Department of Environmental Health:</b> TBD<br><b>CPUC:</b> TBD | <b>Pending</b><br>Application to the Otay Water District was submitted on 2/3/16. Final permit will be pulled by the Contractor.<br><br>Will be complete when Contractor pulls the final permit. |

Notes:

<sup>1</sup> Requirements that SDG&E can satisfy with alternate approaches are marked as either (A) or (B).

<sup>2</sup> All project permits and authorizations provided by other agencies must be submitted to CPUC. CPUC reserves the right to review and comment on the accuracy and adequacy of project permits and authorizations, if necessary.

<sup>3</sup> The SDG&E NCCP and HCP for QCB are described as plans; however, these plans act as incidental take permits and are therefore included with permits in Table C-1.

\* Requirements marked with an asterisks are only applicable under specified conditions.

+ Not all APMs and MMs identify submittal periods; however, where identified CPUC requires SDG&E to submit materials prior to applicable activities to provide sufficient time to review the materials.



**REQUIREMENT TRACKING TABLES**

**Table C-2 Plan Tracking Table**

| Plan   | Requirement Sources  | Timing and Submittal Requirements <sup>1</sup>  | Required Agency Review <sup>1,2</sup>      |                      | Status  |
|--|--|---|--|----------------------|---|
|  |  |   | Submitted                                  | Approved             |   |
| <b>Required Prior to any Construction Activities</b>   |  |   |  |                      |   |
| <b>Dust Control Management Plan</b>  | MM Air-1   | SDG&E shall submit the Plan to CPUC for review and comment no less than 30 days prior to construction.  | <b>CPUC:</b> 3/8/16 and 4/22/16            | <b>CPUC:</b> 5/16/16 | <b>Complete</b><br>Plan approved on 6/15/16.                                  |
| <b>Landscape and Irrigation Plan and Temporary Impact Restoration Plan</b>   | MM Aesthetics-1<br>MM Biology-11   | SDG&E shall submit the Plan to CPUC for review and comment no less than 120 days prior to acquisition of landscape materials (planting required within 3 months of substation completion).  | <b>CPUC:</b> 5/11/16                       | <b>CPUC:</b> TBD     | <b>Pending</b><br>SDG&E is addressing CPUC's comments.                        |
| <b>Cultural Resources Mitigation Monitoring Plan (CRMMP)</b>   | APM CUL-1<br>APM CUL-7<br>MM Cultural Resources-2 <sup>1</sup><br>MM Cultural Resources-3<br>MM Cultural Resources-4 | SDG&E shall submit the Plan to CPUC for review and comment no less than 30 days prior to construction*.   | <b>CPUC:</b> 2/12/16, 3/09/16 and 4/22/16  | <b>CPUC:</b> 5/16/16 | <b>Complete</b><br>Plan approved on 5/16/16.                                  |
| <b>Hazardous Substance Management and Emergency Response (HSMER) Plan</b>  | APM HAZ-1<br>APM HAZ-2   | SDG&E shall submit the Plan to CPUC for review and comment no less than 30 days prior to construction*.<br>*If the project exceeds the threshold quantities of hazardous materials and/or waste, SDG&E will prepare and implement Hazardous Materials Business Plans required by Chapter 6.95 of the State of California Health and Safety Code. SDG&E shall submit any Hazardous Materials Business Plans required by APM HAZ-2 as part of the HSMER Plan if applicable. | <b>CPUC:</b> 3/8/16, 4/22/16, and 6/03/16  | <b>CPUC:</b> 6/06/16 | <b>Complete</b><br>Plan approved on 6/06/16.                                  |
| <b>Stormwater Pollution Prevention Plan (SWPPP)</b>  | APM HYDRO-1  | SDG&E shall submit the Plan to CPUC for review and comment no less than 30 days prior to construction*.   | <b>CPUC:</b> 2/12/16, 4/22/16, and 6/03/16 | <b>CPUC:</b> 6/16/16 | <b>Complete</b><br>Plan approved on 6/16/16.                                  |
| <b>Stormwater Management Plan</b>  | APM HYDRO-2  | SDG&E shall submit a Stormwater Management Plan that complies with the City of Chula Vista's Standard Urban Stormwater Mitigation Plan to CPUC for review and comment no less than 30 days prior to construction*.  | <b>CPUC:</b> 4/22/16 and 6/03/16           | <b>CPUC:</b> 6/16/16 | <b>Complete</b><br>Plan approved on 6/16/16.                                  |
| <b>Transportation Management Plan (TMP) (including Traffic Control Plans associated with encroachment permits)</b> | MM Traffic-3   | SDG&E shall submit the Plan to CPUC for review and comment no less than 30 days prior to construction.  | <b>CPUC:</b> 3/8/16 and 4/22/16            | <b>CPUC:</b> 5/16/16 | <b>Complete</b><br>Will provide copies of encroachment permits when obtained. |
| <b>Required Prior to Specific Construction Activities or Following Specific Findings</b>                           |  |   |  |                      |   |
| <b>Facilities Color Treatment Plan and Surface Treatment Plan<sup>2</sup></b>                                      | MM Aesthetics-2<br>MM Aesthetics-3   | SDG&E shall submit the Plan to CPUC for review and comment no less than 90 days prior to (a) ordering the first structures and exterior building components to be color treated, or (b) construction of the Salt Creek Substation, whichever comes first.   | <b>CPUC:</b> 2/12/16 and 6/03/16           | <b>CPUC:</b> 6/16/16 | <b>Complete</b><br>Plan approved on 6/16/16.                                  |

<sup>1</sup> MM Cultural Resources-2 requires preparation of a Historic Properties Treatment Plan (HPTP) that would address inadvertent discoveries of cultural resources that could occur at the proposed Salt Creek Substation. A separate HPTP would not be required if SDG&E addresses procedures for inadvertent discoveries of cultural resources in the CRMMP as described in MM Cultural Resources-2.

<sup>2</sup> SDG&E elected to combine the Facilities Color Treatment Plan and Surface Treatment Plan into one document to reduce the number of construction plans required for the project.

**REQUIREMENT TRACKING TABLES**

| Plan  | Requirement Sources       | Timing and Submittal Requirements <sup>1</sup>  | Required Agency Review <sup>1, 2</sup>  |   | Status   |
|---|---------------------------|---|---|---|--|
|   |                           |   | Submitted   | Approved  |  |
| <b>Habitat Enhancement Plan for Vegetation Communities</b>                                  | MM Biology-1b             | (A) SDG&E shall submit evidence of available habitat mitigation lands to CPUC no less than 30 days prior to construction<br><del>(B) SDG&amp;E shall submit a Habitat Enhancement Plan for Vegetation Communities to USFWS, CDFW, and CPUC no less than 30 days prior to construction.</del><br><del>*If SDG&amp;E elects to submit evidence of available habitat mitigation lands, refer to Table C-1.</del>   | <b>USFWS:</b> TBD<br><b>CDFW:</b> TBD<br><b>CPUC:</b> TBD   | <b>USFWS:</b> TBD<br><b>CDFW:</b> TBD<br><b>CPUC:</b> TBD   | <b>N/A</b><br>SDG&E elected for option A. See Table 1.   |
| <b>Salvage and Relocation Plan for Special-Status Plants</b>                                | MM Biology-2<br>APM BIO-2 | *If impacts to special-status plants cannot be avoided:<br>(A) SDG&E shall complete land preservation for special-status plants and submit documentation to CPUC no more than 18 months after the start of construction; or alternatively,<br>(B) SDG&E shall submit a Salvage and Relocation Plan for Special-Status Plants to USFWS, CDFW, and CPUC for comment and approval no less than 30 days prior to construction.<br>*If SDG&E elects to complete land preservation, refer to Table C-1. | <b>*USFWS:</b> TBD<br><b>*CDFW:</b> TBD<br><b>*CPUC:</b> 2/12/16 and TBD  | <b>*USFWS:</b> TBD<br><b>*CDFW:</b> TBD<br><b>*CPUC:</b> TBD  | <b>Pending</b><br>Seed collection was conducted at appropriate time of year to facilitate plan implementation. SDG&E and CPUC are coordinating on final requirements/success criteria. |
| <b>Spill Prevention, Control, and Countermeasure (SPCC) Plan</b>                            | APM HAZ-1                 | SDG&E shall submit the Plan to CPUC for review and comment no less than 30 days prior to installation of transformers at the Salt Creek Substation.   | <b>CPUC:</b> TBD  | <b>CPUC:</b> TBD  | <b>Pending</b><br>Will be complete at least 30 days prior to transformer installation.   |
| <b>Project Plans Completed Prior to Implementation of the MMCRP (Included with the EIR)</b> |                           |   |   |   |  |
| <b>Burrowing Owl Monitoring and Mitigation Plan</b>   | APM BIO-1                 | *If burrowing owl burrows are identified within 100 feet of the project site, SDG&E shall coordinate with CDFW regarding implementation of the Plan prior to construction. SDG&E shall submit documentation of coordination with CDFW to CPUC prior to conducting work within avoidance buffers.  | <b>Plan Preparation</b><br><b>CDFW:</b> Approved<br><b>CPUC:</b> 10/9/14 – Plan submitted with Data Request #17<br><b>Plan Implementation</b><br><b>CDFW:</b> TBD<br><b>CPUC:</b> TBD | <b>Plan Preparation</b><br><b>CDFW:</b> Approved<br><b>CPUC:</b> 5/15/15 – Published with the Draft EIR<br><b>Plan Implementation</b><br><b>CDFW:</b> TBD<br><b>CPUC:</b> TBD | <b>Complete</b><br>The final CDFW-approved Plan is dated September 2014 and was published with the Draft EIR. Implementation of the Plan pending survey results prior to construction. |
| <b>SDG&amp;E Project Fire Plan</b>  | APM HAZ-3                 | The SDG&E Project Fire Plan was submitted with the PEA and included with the Final EIR for the project.   | <b>CPUC:</b> 9/25/13 – Submitted with the PEA   | <b>CPUC:</b> 5/15/15 – Published with the Draft EIR   | <b>Complete</b><br>Plan dated August 2013  |

Notes:

<sup>1</sup> Requirements that SDG&E can satisfy with alternate approaches are marked as either (A) or (B).

<sup>2</sup> All project Plans required by other agencies must be submitted to CPUC. CPUC reserves the right to review and comment on the accuracy and adequacy of all project Plans, if necessary.

\* Requirements marked with an asterisks are only applicable under specified conditions.

+ Not all APMs and MMs identify submittal periods; however, where identified CPUC requires SDG&E to submit materials prior to applicable activities to provide sufficient time to review the materials.

**REQUIREMENT TRACKING TABLES**

**Table C-3 Notification Tracking Table**

| Notification  | Entities to Notify  | Requirement Sources  | Timing and Submittal Requirements  | Required Agency Review <sup>1</sup> |                  | Status   |
|---|---|--|--|-------------------------------------|------------------|--|
|   |   |  |  | Submitted                           | Approved         |  |
| <b>Required Prior to any Construction Activities</b>        |   |  |  |                                     |                  |  |
| Final project design and anticipated schedule               | CPUC  | MM Biology-1a<br>APM GEO-1<br>APM GEO-2<br>APM HAZ-3<br>MM Utilities-1 | SDG&E shall submit final project design drawings to CPUC for the project that comply with MM Biology-1a, APM GEO-1, APM GEO-2, and APM HAZ-3 no less than 60 days prior to construction*.<br><br>*If the project would conflict with existing underground utilities after being identified by other utility companies, SDG&E shall realign the project vertically and/or horizontally as appropriate to avoid the existing utilities and provide adequate operational and safety buffering as described in MM Utilities-1. SDG&E shall inform CPUC if such conflicts are identified and of any changes to the project alignment prior to construction.<br><br>*If changes in the project schedule are identified, SDG&E shall notify CPUC as soon as possible.   | <b>CPUC:</b><br>06/03/16            | <b>CPUC:</b> TBD | <b>Complete</b>  |
| Seed mixes, plants, and weed-free erosion control materials | CPUC  | MM Biology-3   | SDG&E shall submit a preliminary list of seed mixes, plants, and weed-free erosion control materials anticipated to be used for project landscaping, erosion control, and the revegetation of temporary impact areas to CPUC for review and approval no less than 30 days prior to construction.<br><br>*If the preliminary list changes, SDG&E shall provide CPUC a final list of the materials no less than 30 days prior to the application or installation for review and approval.  | <b>CPUC:</b><br>5/11/16             | <b>CPUC:</b> TBD | <b>Complete</b><br><br>Approved with the exception of the use of non-native cotoneaster dammeri (Bearberry cotoneaster).   |
| Native American consultation                                | Local Native American contacts  | MM Cultural Resources-4  | SDG&E shall consult with Native American contacts (identified in Appendix G of the Draft EIR) to identify culturally sensitive locations and determine where Native American monitoring is required prior to performing any ground-disturbing activities. SDG&E shall submit consultation documentation and a resource summary letter to CPUC no less than 30 days prior to construction.  | <b>CPUC:</b><br>6/03/16             | <b>CPUC:</b> TBD | <b>Complete</b><br><br>Draft letter was submitted to the CPUC on 6/3/2016. Final letters to Native American contacts were sent on 6/8/2016. SDG&E has been in contact with Clint Linton and his firm, Red Tail, has been retained for NA monitoring. As he was the only Native American contact that responded during the preparation of the EIR, we are not anticipating further consultation or resource information will be provided or required.   |
| Organic waste disposal method                               | CPUC  | MM GHG-1   | SDG&E shall notify CPUC of organic waste disposal methods that are compliant with MM GHG-1 no less than 30 days prior to construction.   | <b>CPUC:</b><br>6/03/16             | <b>CPUC:</b> TBD | <b>Complete</b><br><br>Details provided to CPUC on 6/3/2016. Organic waste will be disposed of at San Pasqual Valley soils, 16111 Old Milky Way, Escondido, CA.  |
| Public awareness of construction                            | Sensitive receptors and residences within 300 feet of work areas and access roads | MM Noise-1<br>APM REC-1  | SDG&E shall provide notice by mail of project construction activities (see MM Noise-1 for specific details) to all sensitive receptors and residences within 300 feet of construction sites, helicopter fly yards, and access roads no less than 7 days prior to construction.<br><br>SDG&E shall also post project activity notices (i.e., signs) at the access road to the proposed substation and in SDG&E's ROW surrounding the substation (see MM Noise-1 for specific details), and where the ROW is located within 300 feet of designated trails and roads prior to substation construction (see APM REC-1 for trail closure signs).<br><br>SDG&E shall submit a copy of the notification letter, a list of notified individuals, and a map showing the notification area and locations where signs will be posted to CPUC prior to sending the notifications, and no less than 30 days prior to construction*. | <b>CPUC:</b><br>6/03/16             | <b>CPUC:</b> TBD | <b>Pending</b><br><br>A copy of the draft public notification letter, a list of the notified individuals, and a copy of the sign to be posted along the fence on Hunte Parkway. Per the TMP, sign spacing is 350', and signs would also be posted at each end of the project site.<br><br>Additional signs would be posted within 200' of trail closures areas, and tow-away signs would be posted for the temporary removal of street parking.<br><br>Notification was approved and will be distributed within the required timeframes. |

**REQUIREMENT TRACKING TABLES**

| Notification   | Entities to Notify  | Requirement Sources          | Timing and Submittal Requirements  | Required Agency Review <sup>1</sup>                               |   | Status  |
|--|---|------------------------------|--|---|---|---|
|  |   |                              |  | Submitted   | Approved  |   |
| Existing utility avoidance   | Other utility companies   | APM UTIL-1<br>MM Utilities-1 | SDG&E shall notify other utility companies near underground work areas to locate and mark existing underground utilities no less than 30 days prior to construction. No subsurface work shall be conducted that would conflict with a buried utility.  | CPUC: TBD   | CPUC: TBD   | <b>Complete</b><br>SDG&E has coordinated with the City of Chula Vista and Otay Water District to locate and identify underground utilities. The existing water and sewer lines have been reviewed per the grading permit. SDG&E is required by law (California Law, Government Code 4216) and will notify DigAlert per the required time frame of at least two (2) and no more than fourteen (14) days prior to excavation commencement for utility markings.   |
| Fire prevention and response   | California Department of Forestry and Fire Protection (CAL FIRE) and local fire departments | MM Hazards-1                 | SDG&E's Fire Marshal/Coordinator shall contact and coordinate with CAL FIRE and applicable local fire departments (i.e., City of Chula Vista and San Diego County) to determine the appropriate amounts of fire equipment to be carried on the vehicles and appropriate locations for the water tanks if water trucks are not used. SDG&E shall submit verification of its consultation with CAL FIRE and the local fire departments to CPUC no less than 7 days prior to construction*. | CPUC: TBD   | CPUC: TBD   | <b>Pending</b><br>Verification of consultation will be provided no less than 7 days prior to construction.  |
| Stormwater detention basin design  | City of Chula Vista and CPUC  | MM Hydro-3                   | SDG&E shall submit the stormwater detention basin design to the City of Chula Vista and CPUC for review and approval no less than 60 days prior to construction.   | <b>City of Chula Vista:</b><br>3/15/16<br><b>CPUC:</b><br>4/22/16 | <b>City of Chula Vista:</b><br>5/12/16<br><b>CPUC:</b><br>6/16/16 | <b>Complete</b><br>The design of the stormwater detention basin was approved by the City as part of the SWQMP and Grading Plan submittals. Changes were made to the SWPPP. No changes are proposed to SWQMP.  |
| <b>Required Prior to Specific Construction Activities or Following Specific Findings</b> |   |                              |  |   |   |   |
| Volatile organic compound (VOC) emissions  | CPUC  | APM AIR-3                    | SDG&E shall provide confirmation to CPUC that they will conform with CARB's Suggested Control Measure for Architectural Coatings, and with SDAPCD's VOC Rules 61, 66.1, 67.0, and 67.17 for the use of coatings, sealants, adhesives, solvents, asphalt, and architectural coatings prior to the use of such materials prior to construction.  | CPUC: TBD   | CPUC: TBD   | <b>Pending</b><br>VOC compliance will be on-going throughout construction. SDG&E will require contractor/vendor submit the MSDS sheet to SDG&E for all products being brought on site, one week prior to being brought on-site. MSDS sheets, and intended use of the product will be reviewed by SDG&E air quality specialists for compliance with SCAQMD Rules. If VOCs exceed allowable levels, SDG&E will require contractor to identify an alternative product for use that meets the SCAQMD Rules. |
| Nesting bird buffer reduction  | CPUC  | MM Biology-6                 | *If a CPUC-approved biologist determines that a reduced nesting bird avoidance buffer is necessary and biologically acceptable per MM Biology-6, SDG&E shall submit buffer reduction requests to a CPUC independent biologist for review and approval as described in MM Biology-6.  | *CPUC: TBD  | *CPUC: TBD  | <b>Pending</b><br>If a reduced nesting bird buffer is proposed, SDG&E will submit buffer reduction request to a CPUC independent biologist for review and approval.   |
| Trail closures   | Trail users   | APM REC-1                    | Where temporary trail detours are feasible and appropriate, SDG&E shall post signs directing trail users to detour routes.<br><br>*If trail closures are necessary, SDG&E shall post signs notifying trail users of the closures no less than 7 days prior to construction. The signs shall be posted in either direction within 200 feet of the closure location.<br><br>SDG&E shall provide CPUC with an example of the notification signage prior to installation.                    | CPUC: TBD   | CPUC: TBD   | <b>Pending</b><br>Throughout construction SDG&E will post signs as needed for temporary trail closures.   |

**REQUIREMENT TRACKING TABLES**

| Notification   | Entities to Notify                                 | Requirement Sources   | Timing and Submittal Requirements   | Required Agency Review <sup>1</sup> |            | Status  |
|--|--|---|---|-------------------------------------|------------|---|
|  |  |   |   | Submitted                           | Approved   |   |
| Noise disturbance  | County of San Diego, City of Chula Vista, and CPUC | APM NOISE-3<br>MM Noise-2   | *If construction activities must occur outside of the permitted construction hours allowed by local noise ordinances, SDG&E shall meet and confer with the City of Chula Vista and the County of San Diego as described in APM NOISE-3, and submit a request for extended work hours to CPUC for review and approval as described in MM Noise-2.  | *CPUC: TBD                          | *CPUC: TBD | <b>Pending</b><br>Not anticipated at start of construction.   |
| Utility service interruptions  | SDG&E customers, other utility companies, and CPUC | MM Utilities-2  | *If outages are necessary and unavoidable, SDG&E shall notify its customers (residential and commercial) no less than 10 days prior to the service interruption. SDG&E shall provide copies of the notices to CPUC at the time of noticing.<br><br>*If any unforeseen utility disruptions occur, SDG&E shall immediately notify the CPUC and the affected utility company/companies to determine appropriate actions. | *CPUC: TBD                          | *CPUC: TBD | <b>Pending</b><br>No outages currently anticipated. SDG&E will notify customers at least 10 days prior to service interruption. |
| Discovery of human remains   | San Diego County Medical Examiner and CPUC         | APM CUL-7   | *If human remains are encountered during construction, SDG&E shall notify the Medical Examiner to comply with California law (Health and Safety Code section 7050.5; PRC sections 5097.94, 5097.98, and 5097.99). SDG&E shall also notify CPUC at the same time.  | *CPUC: TBD                          | *CPUC: TBD | <b>Not Anticipated</b>  |
| Discovery of previously undiscovered cultural or paleontological resources | CPUC and Native American tribes, if applicable     | APM CUL-1<br>APM CUL-2<br>APM CUL-5<br>APM CUL-6<br>MM Cultural Resources-1<br>MM Cultural Resources-2<br>Cultural Resources Mitigation Monitoring Plan (CRMMP) | *If previously undiscovered cultural or paleontological resources are discovered, SDG&E shall notify CPUC and implement measures as identified in the CRMMP and HPTP.   | *CPUC: TBD                          | *CPUC: TBD | <b>Not Anticipated</b>  |

Notes:  
<sup>1</sup> Notifications and documentation required by other agencies must also be submitted to CPUC. CPUC reserves the right to review and comment on the accuracy and adequacy of notification materials, if necessary.  
 \* Requirements marked with an asterisks are only applicable under specified conditions.  
 + Not all APMs and MMs identify submittal periods; however, where identified CPUC requires SDG&E to submit materials prior to applicable activities to provide sufficient time to review the materials.

**REQUIREMENT TRACKING TABLES**

**Table C-4 Surveying Tracking Table**

| Resource                           | Surveyor/Monitor Type <sup>1</sup> , Requirement Sources, Applicable Locations  | Pre-Construction  | Construction   | Post-Construction  | Status/Results   |
|------------------------------------|---|---|--|--|--|
| <b>Special-Status Wildlife</b>     | <p><u>Surveyor/Monitor Types</u></p> <ul style="list-style-type: none"> <li>CPUC-approved wildlife biologist</li> <li>Trained and designated construction workers (daily excavation clearance only)</li> </ul> <p><u>Requirement Sources</u></p> <ul style="list-style-type: none"> <li>APM BIO-2</li> <li>MM Biology-1a</li> <li>SDG&amp;E Subregional NCCP</li> </ul> <p><u>Applicable Locations</u></p> <ul style="list-style-type: none"> <li>All project work areas</li> </ul> | <p>SDG&amp;E shall have a CPUC-approved biologist survey natural work areas for special-status wildlife no more than 30 days prior to construction.</p> <p>SDG&amp;E shall submit a Pre-activity Survey Report to CPUC that documents the results of the survey no less than 7 days prior to construction<sup>+</sup>.</p> <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>Pre-activity Survey Report</li> <li>NCCP Annual Report</li> </ul>   | <p>The Qualified Biologist shall conduct monitoring as recommended in the pre-activity survey report.</p> <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>Pre-activity Survey Report</li> <li>NCCP Annual Report</li> </ul>                     | <p>Conduct pre-activity survey prior to repair of erosion by grading or addition of fill</p> <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>Pre-activity Survey Report</li> <li>NCCP Post-Construction Report</li> </ul> | <p><b><u>I. Prior to Construction</u></b></p> <p>PSR has been prepared. A verification study will be completed and submitted prior to June 24, 2016.</p> <p><b><u>II. Construction</u></b></p> <p><b><u>III. Post-construction</u></b></p> |
| <b>Western Burrowing Owl (WBO)</b> | <p><u>Surveyor/Monitor Types</u></p> <ul style="list-style-type: none"> <li>CPUC-approved burrowing owl biologist</li> </ul> <p><u>Requirement Sources</u></p> <ul style="list-style-type: none"> <li>APM BIO-1</li> <li>Burrowing Owl Monitoring and Mitigation Plan</li> </ul> <p><u>Applicable Locations</u></p> <ul style="list-style-type: none"> <li>Suitable WBO habitat located within project work areas and a 100-foot surrounding buffer</li> </ul>                      | <p>SDG&amp;E shall have a CPUC-approved burrowing owl biologist complete a take avoidance survey, as described in the Burrowing Owl Monitoring and Mitigation Plan, to determine the presence or absence of WBO, prior to initiating construction activities.</p> <p>If construction will begin during the breeding season (February 1 through August 31), then the survey shall be conducted prior to the start of the breeding season (i.e., prior to February 1) in order to allow for adequate time to exclude WBO prior to the breeding season should they be present.</p> <p>If construction will begin during the non-breeding season (September 1 through January 31), then the survey shall be conducted within 100 feet of suitable habitat of project areas no less than 14 days and no more than 30 days prior to construction.</p> <p>If more than 30 days pass between the take avoidance survey and initiation of project activities, additional take avoidance surveys may be required.</p> <p>SDG&amp;E shall implement avoidance and minimization measures, and conduct a final take avoidance survey within 24 hours prior to initiation of construction activities, and submit a letter report to CDFW and CPUC. If occupied burrows are encountered additional reporting is required.</p> <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>WBO Take Avoidance Survey Report (letter)</li> <li>WBO AMM and Passive Relocation Implementation Report (letter)</li> <li>WBO Occupied Burrow Monitoring Reports (letter) every 3 days of monitoring</li> </ul> | <p>Weekly monitoring to ensure the area is absent of suitable burrows and WBO do not move into the area.</p> <p>Monitoring to ensure avoidance including full-time monitoring of WBO behavior for at least 3 days when activities occur adjacent to a buffer area.</p> | <p>Conduct a pre-activity survey prior to using pesticides in an area where burrowing owl could occur.</p>   | <p><b><u>I. Prior to Construction</u></b></p> <p>Pre-Construction surveys were initiated in January 2016. Monitoring is ongoing.</p> <p><b><u>II. Construction</u></b></p> <p><b><u>III. Post-construction</u></b></p> <p>n/a</p>          |

**REQUIREMENT TRACKING TABLES**

| Resource                        | Surveyor/Monitor Type <sup>1</sup> , Requirement Sources, Applicable Locations   | Pre-Construction  | Construction  | Post-Construction | Status/Results   |
|---------------------------------|--|---|---|-------------------|--|
| <b>Nesting Birds</b>            | <p><u>Surveyor/Monitor Types</u></p> <ul style="list-style-type: none"> <li>CPUC-approved wildlife biologist</li> </ul> <p><u>Requirement Sources</u></p> <ul style="list-style-type: none"> <li>MM Biology-6</li> </ul> <p><u>Applicable Locations</u></p> <ul style="list-style-type: none"> <li>All project work areas</li> </ul>   | <p>SDG&amp;E shall have a CPUC-approved biologist survey project work areas, and within variable buffer distances specified in MM Biology-6 (150 feet - 1 mile), for nesting birds no more than 48 hours prior to the start of ground or vegetation disturbing activities during the nesting bird season (generally occurs between February 15 and August 31, but may be earlier or later depending on species, location, and weather conditions).</p> <p>Pre-construction survey results for nesting birds shall be submitted to CPUC prior to the start of ground disturbance or vegetation removal activities.</p> <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>NCCP Pre-activity Survey Report</li> </ul> | <p>In order to adequately detect nests and implement MM Biology-6, it is assumed that regular (approximately weekly) monitoring and surveying for nesting birds would occur in and adjacent to work areas during construction to detect nests that may be established during non-working periods (i.e. slow periods and weekends) in conjunction with other nesting bird and wildlife monitoring on site. In addition, surveys during construction are highly recommended to ensure nests are not allowed to form on active construction materials or on equipment, as once eggs have been laid the nest cannot be dismantled per the MBTA.*</p> <p>*If there no work occurs in an area for 7 days, a CPUC-approved biologist shall survey within 500 feet of project work areas for raptors and within 250 feet for passerines. Surveys conducted after construction begins shall be reported in SDG&amp;E Weekly Compliance Summary Reports.</p> <p><u>Reporting Methods</u></p> <p>SDG&amp;E Weekly Compliance Summary Reports</p> | n/a               | <p><b><u>I. Prior to Construction</u></b></p> <p>Nesting bird surveys will be conducted within 48 hours prior to construction.</p> <p><b><u>II. Construction</u></b></p> <p><b><u>III. Post-construction</u></b></p> <p>n/a</p>  |
| <b>Western Yellow Bat</b>       | <p><u>Surveyor/Monitor Types</u></p> <ul style="list-style-type: none"> <li>CPUC-approved wildlife biologist</li> </ul> <p><u>Requirement Sources</u></p> <ul style="list-style-type: none"> <li>MM Biology-7</li> </ul> <p><u>Applicable Locations</u></p> <ul style="list-style-type: none"> <li>Trees within 50 feet of active work areas</li> <li>Structures with suitable habitat within 100 feet of active work areas</li> </ul> | <p>A CPUC-approved biologist shall assess suitable bat habitat within and surrounding project work areas (e.g., trees within 50 feet and structures within 100 feet) prior to construction activities near suitable habitat.</p> <p>Trees within 50 feet of project work areas that are 10 inches or greater in diameter at breast height that may be removed or trimmed shall be surveyed for the presence of western yellow bats.</p> <p>SDG&amp;E shall submit the results of the habitat assessment and any surveys to CPUC.</p> <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>Western Yellow Bat Habitat Assessment</li> </ul>  | <p>If suitable bat habitat is identified in qualifying trees (10 inches or greater in diameter at breast height) that will be removed or trimmed, a CPUC-approved biologist shall perform follow-up emergence surveys and acoustic monitoring at the tree locations for 1/2 hour prior to sunset and 1 hour after sunset. The surveys shall occur on at least one occasion no more than 7 days prior to trimming or tree removal.</p> <p><u>Reporting Methods</u></p> <p>*SDG&amp;E Weekly Compliance Summary Reports</p>   | n/a               | <p><b><u>I. Prior to Construction</u></b></p> <p>Not anticipated to be required for refined project. Suitable habitat not present.</p> <p><b><u>II. Construction</u></b></p> <p><b><u>III. Post-construction</u></b></p> <p>n/a</p>  |
| <b>San Diego Desert Woodrat</b> | <p><u>Surveyor/Monitor Types</u></p> <ul style="list-style-type: none"> <li>CPUC-approved wildlife biologist</li> </ul> <p><u>Requirement Sources</u></p> <ul style="list-style-type: none"> <li>MM Biology-8</li> </ul> <p><u>Applicable Locations</u></p> <ul style="list-style-type: none"> <li>Within 5 feet of all project work areas</li> </ul>  | <p>A CPUC-approved biologist shall survey within 5 feet of all project work areas for San Diego desert woodrat (on the ground and in trees) houses no more than 30 days prior to construction*.</p> <p>The results of the surveys, as well as the mapped locations of any houses found, shall be submitted to CPUC no less than 7 days prior to construction.</p> <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>NCCP Pre-activity Survey Report</li> </ul>   | n/a   | n/a               | <p><b><u>I. Prior to Construction</u></b></p> <p>Not anticipated to be required for refined project. San Diego desert woodrat houses have not been observed during BUOW survey efforts.</p> <p><b><u>II. Construction</u></b></p> <p><b><u>III. Post-construction</u></b></p> <p>n/a</p> |

**REQUIREMENT TRACKING TABLES**

| Resource                              | Surveyor/Monitor Type <sup>1</sup> , Requirement Sources, Applicable Locations  | Pre-Construction  | Construction  | Post-Construction  | Status/Results   |
|---------------------------------------|---|---|---|--|--|
| <b>Rare And Special-Status Plants</b> | <p><u>Surveyor/Monitor Types</u></p> <ul style="list-style-type: none"> <li>CPUC-approved botanist (surveys and all monitoring)</li> <li>CPUC-approved wildlife biologist (construction monitoring only)</li> </ul> <p><u>Requirement Sources</u></p> <ul style="list-style-type: none"> <li>APM BIO-2</li> <li>MM Biology-1a</li> <li>SDG&amp;E Subregional NCCP</li> <li>Special-Status Plan Relocation and Monitoring Plan</li> </ul> <p><u>Applicable Locations</u></p> <ul style="list-style-type: none"> <li>All unpaved project work areas</li> <li>Salvage and relocation planting locations – TBD</li> </ul> | <p>SDG&amp;E shall have a CPUC-approved botanist survey natural work areas for rare and special-status plants prior to construction.</p> <p>SDG&amp;E shall submit a Pre-activity Survey Report to CPUC that documents the results of the survey. The Pre-activity Survey Report shall include a library of rare plant locations known to SDG&amp;E occurring within the project area.</p> <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>NCCP Pre-activity Survey Report</li> <li>Rare Plant Library</li> <li>NCCP Annual Reports</li> </ul> | <p>The plant library shall continue to be updated and maintained throughout construction as described in MM Biology-1a (#14).</p> <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>SDG&amp;E Weekly Compliance Summary Reports</li> <li>Rare Plant Library</li> </ul>   | <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>NCCP Post-Construction Report</li> </ul>  | <p><b><u>I. Prior to Construction</u></b></p> <p>PSR has been completed. A verification study will be completed prior to June 24, 2016.</p> <p><b><u>II. Construction</u></b></p> <p><b><u>III. Post-construction</u></b></p>                              |
| <b>Invasive Weeds</b>                 | <p><u>Surveyor/Monitor Types</u></p> <ul style="list-style-type: none"> <li>CPUC-approved botanist (annual surveying, monitoring, and reporting)</li> </ul> <p><u>Requirement Sources</u></p> <ul style="list-style-type: none"> <li>MM Biology-3</li> </ul> <p><u>Applicable Locations</u></p> <ul style="list-style-type: none"> <li>All unpaved project work areas</li> </ul>  | <p>SDG&amp;E shall have a CPUC-approved botanist survey all unpaved project work areas for weed populations as described in MM Biology-3. Invasive weed populations shall be mapped and mechanically removed prior to construction.</p> <p>Pre-construction invasive weed surveying, mapped locations, and removal activities shall be reported to CPUC in the form of a Pre-construction Invasive Weed Report.</p> <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>Pre-construction Invasive Weed Report</li> </ul>                           | n/a   | <p>Monitor post-construction invasive weed cover relative to the pre-construction invasive weed levels.</p> <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>Annual Report for Landscaping and Revegetation</li> </ul> | <p><b><u>I. Prior to Construction</u></b></p> <p>Weed survey was conducted. See report dated October 2015. Weeds will be mechanically removed prior to construction.</p> <p><b><u>II. Construction</u></b></p> <p><b><u>III. Post-construction</u></b></p> |
| <b>Cultural Resources</b>             | <p><u>Surveyor/Monitor Types</u></p> <ul style="list-style-type: none"> <li>CPUC-approved cultural resource specialist/archaeologist</li> </ul> <p><u>Requirement Sources</u></p> <ul style="list-style-type: none"> <li>APM CUL-2</li> <li>MM Cultural Resources-1</li> <li>MM Cultural Resources-2</li> <li>MM Cultural Resources-3</li> <li>Cultural Resources Mitigation and Monitoring Plan (CRMMP)</li> </ul>   | n/a   | <p>Archaeological monitoring under the direction of the Qualified Archaeologist during ground-disturbing activities. Native American monitors shall be invited to participate in monitoring activities.</p> <p><u>Reporting Methods</u></p> <ul style="list-style-type: none"> <li>SDG&amp;E Weekly Compliance Summary Reports</li> </ul> | n/a  | <p><b><u>I. Prior to Construction</u></b></p> <p>n/a</p> <p><b><u>II. Construction</u></b></p> <p><b><u>III. Post-construction</u></b></p>   |



**REQUIREMENT TRACKING TABLES**

| Resource                         | Surveyor/Monitor Type <sup>1</sup> , Requirement Sources, Applicable Locations  | Pre-Construction | Construction   | Post-Construction | Status/Results   |
|----------------------------------|---|------------------|--|-------------------|--|
| <b>Paleontological Resources</b> | <u>Surveyor/Monitor Types</u><br><ul style="list-style-type: none"> <li>CPUC-approved paleontological monitor</li> </ul> <u>Requirement Sources</u><br><ul style="list-style-type: none"> <li>APM CUL-4</li> <li>APM CUL-5</li> <li>APM CUL-6</li> <li>MM Paleontology-1</li> </ul> <u>Applicable Locations</u><br><ul style="list-style-type: none"> <li>All work areas</li> </ul> | n/a              | Paleontological monitoring during excavation at the substation under the direction of a Qualified Paleontologist. Screen washing where required by the paleontologist.<br><u>Reporting Methods</u><br><ul style="list-style-type: none"> <li>Paleontological Summary Report</li> </ul> | n/a               | <u>I. Prior to Construction</u><br>n/a<br><u>II. Construction</u><br><br><u>III. Post-construction</u> |

**APPENDIX D:  
PROJECT PERSONNEL**

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This information is confidential

**APPENDIX E:  
MMCRP FORMS**

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# SALT CREEK SUBSTATION PROJECT

## Weekly MMCRP Checklist

Completed by:  
 Organization:  
 Position:

| Day of the Week   | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|---|-----|-----|-----|-----|-----|-----|-----|
| Dates   |     |     |     |     |     |     |     |
| <b>A. Daily Workhours and Workforce</b>   |     |     |     |     |     |     |     |
| Start Time  |     |     |     |     |     |     |     |
| Stop Time   |     |     |     |     |     |     |     |
| Approximate Number of Construction Personnel Onsite   |     |     |     |     |     |     |     |
| Approximate Number of Compliance Personnel Onsite   |     |     |     |     |     |     |     |
| <b>B. Daily Construction Activities – Check only if applicable</b>  |     |     |     |     |     |     |     |
| 1. Mobilized materials/equipment or prepared work areas   |     |     |     |     |     |     |     |
| 2. Cleared or trimmed vegetation  |     |     |     |     |     |     |     |
| 3. Conducted earthwork (grading, trenching, or other ground disturbance)  |     |     |     |     |     |     |     |
| 4. Developed site surfaces (substation pad or access roads)   |     |     |     |     |     |     |     |
| 5. Development site drainage facilities   |     |     |     |     |     |     |     |
| 6. Installed underground facilities   |     |     |     |     |     |     |     |
| 7. Installed aboveground facilities   |     |     |     |     |     |     |     |
| 8. Installed landscaping  |     |     |     |     |     |     |     |
| 9. Demobilized materials/equipment or cleaned up work areas   |     |     |     |     |     |     |     |
| 10. Other   |     |     |     |     |     |     |     |
| <b>C. Daily Compliance Activities – Check only if applicable and implemented adequately without incident</b>                          |     |     |     |     |     |     |     |
| <b>Avoidance and Minimization, and General Monitoring</b>   |     |     |     |     |     |     |     |
| 1. Limited activities to approved work areas and access roads (APM BIO-2 and MM Biology-1a)   |     |     |     |     |     |     |     |
| 2. Limited dust generation and emissions to required thresholds (APM AIR-1, APM AIR-2, MM Air-1, MM Biology-1a, and MM GHG-1)         |     |     |     |     |     |     |     |
| 3. Avoided sensitive plant habitat (APM BIO-2, MM Biology-1a, MM Biology-2, and MM Biology-9)   |     |     |     |     |     |     |     |
| 4. Avoided sensitive wildlife habitat (APM BIO-3, MM Biology-1a, MM Biology-7, and MM Biology-8)                                      |     |     |     |     |     |     |     |
| 5. Avoided active bird nests or burrows (APM BIO-1, APM BIO-2, MM Biology-1a, and MM Biology-6)                                       |     |     |     |     |     |     |     |
| 6. Avoided sensitive water features and aquatic habitat (APM HAZ-1, MM Biology-1a, and APM HYDRO-2)                                   |     |     |     |     |     |     |     |
| 7. Installed/maintained erosion or sediment controls (APM BIO-2, APM BIO-4, MM Biology-1a, MM Geology-1, APM HYDRO-1, and MM Hydro-2) |     |     |     |     |     |     |     |
| 8. Implemented invasive weed measures (MM Biology-3)  |     |     |     |     |     |     |     |

This is an example of the active Checklist Form that will be used in the MMCRP.

### Weekly MMCRP Checklist

| Day of the Week  | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|--|-----|-----|-----|-----|-----|-----|-----|
| Dates  |     |     |     |     |     |     |     |
| 9. Managed hazardous materials and waste (APM BIO-2, MM Biology-1a, APM HAZ-1, and APM HAZ-2)  |     |     |     |     |     |     |     |
| 10. Implemented fire prevention measures (MM Biology-1a, APM HAZ-3, and MM Hazards-2)  |     |     |     |     |     |     |     |
| 11. Avoided known cultural, paleontological, and tribal resources (APM CUL-2, APM CUL-7, MM Cultural Resources-1, MM Cultural Resources-2, MM Cultural Resources-3, MM Cultural Resources-4, and MM Cultural Paleontology-1) |     |     |     |     |     |     |     |
| 12. Limited construction noise to minimum levels (APM NOISE-1, APM NOISE-3, MM Noise-1, and MM Noise-2)  |     |     |     |     |     |     |     |
| 13. Maintain existing vehicle and trail access (APM REC-1, MM Recreation-2, APM TRANS-1, and MM Traffic-3)   |     |     |     |     |     |     |     |
| 14. Provided workers with required environmental trainings (APM BIO-1, APM BIO-2, MM Biology-1a, APM CUL-1, APM GHG-1, APM HAZ-1, APM HAZ-3, and APM HYDRO-1)  |     |     |     |     |     |     |     |
| 15. Implemented MMCRP procedures   |     |     |     |     |     |     |     |
| <b>SDG&amp;E Specialty Monitoring</b>  |     |     |     |     |     |     |     |
| 16. Special-status wildlife (APM BIO-2, MM Biology-1a, MM Biology-7, and MM Biology-8)   |     |     |     |     |     |     |     |
| 17. Nesting birds/burrowing owls (APM BIO-1 and MM Biology-6)  |     |     |     |     |     |     |     |
| 18. Special-status plants (APM BIO-2, MM Biology-1a, MM Biology-3, and MM Biology-1b)  |     |     |     |     |     |     |     |
| 19. Aquatic/hydrologic resources (APM HYDRO-1 and MM Geology-1)  |     |     |     |     |     |     |     |
| 20. SWPPP/reclamation (APM HYDRO-1, MM Geology-1, and MM Biology-11)   |     |     |     |     |     |     |     |
| 21. Cultural resources (APM CUL-2, MM Cultural Resources-1, MM Cultural Resources-2, and MM Cultural Resources-3)  |     |     |     |     |     |     |     |
| 22. Paleontological resources (APM CUL-5, APM CUL-6, and MM Paleontology 1)  |     |     |     |     |     |     |     |
| 23. Tribal resources (MM Cultural Resources-4)   |     |     |     |     |     |     |     |
| 24. Fire management (APM HAZ-3)  |     |     |     |     |     |     |     |
| <b>D. SDG&amp;E Record of Incidents</b>  |     |     |     |     |     |     |     |
| Level 1: Occurrences   |     |     |     |     |     |     |     |
| Level 2: Minor Problems  |     |     |     |     |     |     |     |
| Level 3: Compliance Issues   |     |     |     |     |     |     |     |
| Level 4: Noncompliances  |     |     |     |     |     |     |     |
| Health and Safety Incidents  |     |     |     |     |     |     |     |
| Public Complaints  |     |     |     |     |     |     |     |
| <b>Total Incidents</b>   |     |     |     |     |     |     |     |