

(ATTACHMENT B)

**TABLE D.2-10  
MITIGATION MONITORING PROGRAM – AIR QUALITY**

| No. | Impact  | MM # | APM #s                    | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions   | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location          |
|-----|---|------|---------------------------|---|--|---|--|
| A-1 | Violation of air quality standard or substantial contribution to an existing or project air quality violation |      | APMs 56 through 60 apply. | See <i>Table D.2-7</i> for description. The following APMs are highlighted as they were factored into the impact analysis   |  |   |  |
|     |   |      | APM-56                    | The following protocols shall be employed to minimize the release of PM <sub>10</sub> : prohibiting construction grading on days when the wind is significant, where feasible; covering all trucks hauling soil and other loose material, or require at least two feet of freeboard; erecting snow-fence type windbreaks in areas identified, as needed, by SDG&E; limiting vehicle speeds to 15 miles per hour on unpaved roads; treating unpaved roads with chemical stabilizers or by watering, as necessary; applying soil stabilizers to inactive construction areas on an as needed basis; and placing perimeter silt fencing, watering as necessary, or adding soil binders to exposed stockpiles of soil and other excavated materials. | SDG&E to implement measures as defined, and incorporate commitments into construction contracts. | CPUC to inspect periodically for dust control within and outside the work area in order to ensure that fugitive dust has been controlled outside the work area. | During construction in all work areas. |
|     |   |      | APM-57                    | To minimize mud and dust from being transported onto paved roadway surfaces, pave or apply chemical stabilization at sufficient concentration and frequency to maintain a stabilized surface starting from the point of intersection with the public paved surface and extending for a centerline distance of at least 100 feet and a width of at least 20 feet. Also, SDG&E will implement its BMP 1-7 (Tracking Controls) to minimize mud and dust.   | SDG&E to implement measures as defined, and incorporate commitments into construction contracts. | CPUC to inspect periodically for dust control within and outside the work area in order to ensure that fugitive dust has been controlled outside the work area. | During construction in all work areas. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E’s adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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|-----|--------|------|--------|---|--|--|---|
|     |        |      | APM-59 | If suitable park and ride facilities are available in the project vicinity, construction workers shall be encouraged to carpool to the job site to the extent feasible. The ability to develop an effective carpool program for the project would depend upon the proximity of carpool facilities to the job site, the geographical commute departure points of construction workers, and the extent to which carpooling would not adversely affect worker show-up time and the project's construction schedule.  | SDG&E to implement measures as defined, and incorporate commitments into construction contracts. | SDG&E to provide verification of carpool program to the CPUC at least 60 days prior to or shorter where practicable construction in order to minimize construction-related emissions.  | Prior to and during construction in all work areas. |
|     |        |      | APM-60 | To the extent feasible, unnecessary construction vehicle and idling time shall be minimized. The ability to limit construction vehicle idling time is dependent upon the sequence of construction activities and when and where vehicles are needed or staged. Certain vehicles, such as large diesel-powered vehicles, have extended warm-up times following start-up that limit their availability for use following start-up. Where such diesel-powered vehicles are required for repetitive construction tasks, these vehicles may require more idling time. The project shall apply a "common sense" approach to vehicle use; if a vehicle is not required for use immediately or continuously for construction activities, its engine would be shut off. Construction foremen shall include briefings to crews on vehicle use as a part of preconstruction conferences. Those briefings shall include discussion of a "common sense" approach to vehicle use. | SDG&E to implement measures as defined, and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been made in contracts specifying low emission equipment. CPUC to inspect periodically for idling equipment not required for use immediately or continuously in order to minimize construction emissions. | Prior to and during construction in all work areas. |

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**TABLE D.3-7  
MITIGATION MONITORING PROGRAM – BIOLOGICAL RESOURCES**

| No. | Impact   | MM   | APM #s  | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation Actions  | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location   |
|-----|--|------|---|--|---|---|---|
| B-1 | Temporary and Permanent Loss of Sensitive Vegetation Communities | B-1a | 1, 2, 3, 4, 7, 11, 17, 21, 36, 39, 41, 42, 43, 44, 53, 55 | <p><u>See Table D.3-4 B-4 for description of APMs.</u></p> <p>Where impacts to drainages, open water, coastal sage scrub, disturbed coastal sage scrub, baccharis scrub, coastal salt marsh, disturbed coastal salt marsh, and mud flat cannot be avoided, SDG&amp;E shall either restore temporarily disturbed areas to pre-construction conditions following construction or deduct from the SDG&amp;E Mitigation Credits, as stated in the SDG&amp;E NCCP. <u>The Applicant shall consult with the Refuge Manager for activities taking place adjacent to the NWR prior to commencing activities that may impact NWR resources.</u> Where onsite restoration is planned for mitigation of temporary impacts to sensitive vegetation communities, the Applicant shall identify a Habitat Restoration Specialist to be approved by the CPUC or that <u>the resource agencies have indicated is acceptable</u> to determine the most appropriate method of restoration. Restoration techniques can include: hydroseeding, handseeding, imprinting, and soil and plant salvage, as discussed in Section 7.2.1 of the NCCP. Monitoring would include visual inspection of restored areas after one year. A second application may be made. If, after the second year, restoration is deemed unsuccessful, the USFWS and CDFG, in cooperation with SDG&amp;E, shall determine whether the remaining loss shall be mitigated through a deduction from the SDG&amp;E Mitigation Credits, or a third application would better achieve the intended purpose. The mitigation objective for</p> | SDG&E to implement APMs and mitigation measures as defined and incorporate commitments into construction contracts. | <p>SDG&amp;E to provide verification to CPUC of measure including submittal of plans and evidence concerning success of restoration and determinations by USFWS and CDFG.</p> <p>CPUC to inspect in order to ensure that temporary impacts to sensitive vegetation shall be restored to pre-construction conditions and that permanent impacts will be compensated for through use of SDG&amp;E's NCCP mitigation bank credits.</p> | Prior to construction, during construction and after construction from the Sycamore Canyon Substation to Sicard Street Transition Area. |

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|     |                                    |      |            | <p>impacted sensitive vegetation communities shall be restoration to pre-construction conditions as measured by species cover, species diversity, and exotic species cover. The cover of native species should increase while the cover of non-native or invasive species should decrease. Success criteria shall be established by comparison with reference sites. If, however, roots are not grubbed during temporary impacts, restoration/hydroseeding may not be necessary. This applies to impacts greater than 500 square feet, and only where grubbing occurred. For all temporary impacts greater than 500 square feet, acreage not meeting success criteria shall be deducted from SDG&amp;E's mitigation credits at a 1:1 ratio. Impacts to jurisdiction wetlands may require permits from the wetland permitting resource agencies and coordination with these agencies is required in accordance with APMs 11, 52, and 55. Wetland areas that may require permits from the resource agencies for temporary impacts include drainage, open water, coastal salt marsh, disturbed coastal salt marsh, and mud flat. The need to obtain permits will be determined by the resource agencies.</p> |  |  |  |
| B-2 | Impacts to Sensitive Plant Species | B-2a | 17, 21, 53 | <p>See <a href="#">Table D.3-4B-4</a> for description of APMs.</p> <p>A qualified biologist approved by the CPUC, shall conduct focused surveys for San Diego barrel cactus, willowy monardella, San Diego ambrosia, Otoy tarplant, snake cholla, Mexican flannelbush, Nuttall's lotus, and saltmarsh bird's beak in the spring of 2005.</p>  | SDG&E to implement APMs and mitigation measure as defined and incorporate commitments into construction contracts. | <p>SDG&amp;E to provide survey report documentation to CPUC regarding avoidance and USFWS/CDFG concurrence as necessary.</p> <p>CPUC to inspect periodically during construction in order to</p> | Prior to and during construction for all areas identified as having sensitive plants (Sycamore Canyon Substation to Sicard Street Transition Station). |

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|     |                             |      |               | <p>prior to the start of construction. All of the above sensitive plant locations shall be recorded using a global positioning system (GPS) and flagged during surveys for impact avoidance and minimization during project construction. All of the above sensitive plants that are delineated shall be avoided to the maximum extent possible by any temporary or permanent soil disturbing project activities such as driving, staging, or deposition of auger spoils. <u>For San Diego barrel cactus and Nuttall's lotus, impacts will be minimized.</u> If avoidance is not feasible, <del>the</del> alternative construction methodology <u>shall be considered in accordance with SDG&amp;E's NCCP, of using a helicopter may be required.</u> This methodology is specifically identified per the SDG&amp;E NCCP as being appropriate for impact avoidance in marsh habitat areas. Translocation may or may not be a viable alternative and would need to be coordinated with and approved by the resource agencies. Where avoidance is not feasible, the Applicant shall coordinate with the USFWS and CDFG regarding potential restoration/ compensation measures which may include translocation, restoration, or seasonal restrictions.</p> <p>A qualified biologist approved by the CPUC prior to the start of construction shall monitor project activities for all work conducted at or around locations that are found to have sensitive plants to ensure impact avoidance and/or mitigation compliance.</p> |  | <p>ensure successful avoidance if possible/or if not possible implementation of USFWS/CDFG approved measures deemed necessary.</p> |   |
| B-3 | Impacts to Sensitive Animal | B-3a | 1, 2, 21, 36. | See <a href="#">Table D.3-4 B-4</a> for description of APMs.   | SDG&E to implement APMs and mitigation | SDG&E to provide survey report documentation to CPUC   | Prior to and during construction for all areas identified as having sensitive |

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|-----|---------|------|------------------------|--|---|--|---|
|     | Species |      | 39, 41, 42, 43, 44, 53 | <p><b>General Measures</b></p> <ul style="list-style-type: none"> <li>A qualified biologist approved by the CPUC prior to the start of construction shall monitor project activities for all work conducted at or around locations that are found of narrow endemic wildlife species or their habitat to ensure impact avoidance and/or mitigation compliance. <u>Surveys, as described in the APMs, will encompass the project area plus a distance of 300 feet from the project.</u></li> <li>Consultation with USFWS and CDFG is required prior to undertaking any activity that would impact a narrow endemic species in order to agree on specific suitable actions. Such actions may include seasonal restrictions or relocation.</li> </ul>   | measures as defined and incorporate commitments into construction contracts.  | <p>regarding avoidance and USFWS/CDFG concurrence as necessary.</p> <p>CPUC to inspect periodically during construction in order to ensure successful avoidance if possible/or if not possible implementation of USFWS/CDFG approved measures deemed necessary.</p>  | animal species (Sycamore Canyon to Sicard Street Transition Area).                          |
|     |         | B-3b |                        | <p><b>California gnatcatcher</b></p> <ul style="list-style-type: none"> <li>All <del>grading or brushing and/or clearing of</del> <u>vegetation</u> taking place within coastal sage scrub, disturbed coastal sage scrub, or chaparral/ coastal sage scrub, habitats of the coastal California gnatcatcher (as identified in the EIR and through surveys required under the APMs which include focused surveys for the California gnatcatcher), shall be conducted from September through February, which is outside the coastal California gnatcatcher breeding season. <u>If brushing and/or clearing of vegetation is required during the breeding season, then a qualified biologist will survey the area and no clearing will be conducted until approval is received in accordance with SDG&amp;E's NCCP.</u></li> </ul> | SDG&E to implement APMs and mitigation measures as defined and incorporate commitments into construction contracts. | <p>SDG&amp;E to provide survey report documentation to CPUC regarding avoidance and USFWS/CDFG concurrence as necessary.</p> <p>CPUC to inspect periodically during construction in order to ensure successful avoidance if possible/or if not possible implementation of USFWS/CDFG approved measures deemed necessary.</p> | Prior to and during construction for all areas identified as having California gnatcatcher. |

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|-----|--------|----|--------|--|---------------------------|---|-------------------------------|
|     |        |    |        | <ul style="list-style-type: none"> <li>• When conducting all other project activities during the coastal California gnatcatcher breeding season of March through August, within habitat in which coastal California gnatcatchers are known to or have a high potential to occur as identified in the EIR and through surveys required under the APMs which include focused surveys for the California gnatcatcher, the following avoidance measures shall apply:                             <ul style="list-style-type: none"> <li>(a) A qualified biologist approved by the CPUC, shall survey for coastal California gnatcatchers within one week prior to initiating project activities in an area. If coastal California gnatcatchers are present, but not nesting, a qualified biologist shall survey for nesting coastal California gnatcatchers approximately once per week in the vicinity of project activities, for the duration of the activity in that area. If an active coastal California gnatcatcher nest is located in the vicinity of project activities, a biologist qualified for coastal California gnatcatcher nest monitoring shall monitor the nest daily until either project activities are no longer in the vicinity of the nest or the fledglings become independent of their nest.</li> <li>(b) If the coastal California gnatcatcher nest monitor determines that the project activities are disturbing or</li> </ul> </li> </ul> |                           |   |                               |

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|     |        |      |        | <p>disrupting the nesting activities, the monitor shall make recommendations to reduce the noise and/or disturbance in the vicinity <u>in consultation with the resource agencies</u>. This may include recommendations such as, but not limited to, turning off vehicle engines and other equipment whenever possible to reduce noise, installing a protective noise barrier between the nesting coastal California gnatcatchers and the project activities, and working in other areas until the young have fledged.</p>  |   |  |  |
|     |        | B-3c |        | <p><b>San Diego cactus wren</b></p> <ul style="list-style-type: none"> <li>All <del>grading or brushing</del> <u>brushing and/or clearing of vegetation</u> taking place within cactus patches, habitat for the San Diego cactus wren, (as identified in the EIR and through surveys required under the APMs which include focused surveys for the San Diego cactus wren), shall be conducted from September through February, which is outside the San Diego cactus wren breeding season. Grading, brushing, and any other project activity shall avoid impacting large cactus patches that provide suitable nesting habitat for the San Diego cactus wren. <u>If brushing and/or clearing of vegetation is required during the breeding season, then a qualified biologist will survey the area and no clearing will be conducted until approval is received in accordance with SDG&amp;E's NCCP.</u></li> <li>When conducting project activities during</li> </ul> | SDG&E to implement APMs and mitigation measures as defined and incorporate commitments into construction contracts. | <p>SDG&amp;E to provide survey report documentation to CPUC regarding avoidance and USFWS/CDFG concurrence as necessary.</p> <p>CPUC to inspect periodically during construction in order to ensure successful avoidance if possible/or if not possible implementation of USFWS/CDFG approved measures deemed necessary.</p> | Prior to and during construction for all areas identified as having San Diego cactus wren. |

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|     |        |    |        | <p>the San Diego cactus wren breeding season of March through August within potential habitat, the following avoidance measures shall apply:</p> <p>(a) A qualified biologist approved by the CPUC, shall survey for San Diego cactus wren within one week prior to initiating project activities in an area. If San Diego cactus wrens are present but not nesting, a qualified biologist shall survey for nesting San Diego cactus wrens once per week in the vicinity of project activities, for the duration of the activity in that area. If an active San Diego cactus wren nest is located in the vicinity of project activities, a biologist qualified for San Diego cactus wren nest monitoring shall monitor the nest daily until either project activities are no longer in the vicinity of the nest, or the fledglings become independent of their nest.</p> <p>(b) If the San Diego cactus wren nest monitor determines that project activities are disturbing or disrupting the nesting activities of an active nest, the monitor shall make recommendations to reduce the noise and/or disturbance in the vicinity <u>in consultation with the resource agencies</u>. This may include recommendations such as, but not limited to, turning off vehicle engines and other equipment whenever</p> |                        |  |                               |

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|     |        |      |        | possible to reduce noise, installing a protective noise barrier between the nesting San Diego cactus wren and the project activities, and working in other areas until the young have fledged.  |   |  |  |
|     |        | B-3d |        | <p><b>Raptors</b></p> <ul style="list-style-type: none"> <li>• Prior to construction, SDG&amp;E shall remove all existing raptor nests from structures that would be affected by project construction. <u>Golden eagle nests will be removed upon consultation with USFWS.</u></li> <li>• Removal of nests shall occur outside the raptor breeding season (January to July).</li> <li>• If it is necessary to remove an existing raptor nest during the breeding season, a qualified biologist, approved by the CPUC prior to the start of construction, shall survey the nest prior to removal to determine if the nest is active. If the nest is inactive, it shall be removed promptly. If a nest is determined to be active, the nest shall not be removed and the biologist shall monitor the nest to ensure nesting activities/breeding activities are not disrupted. If the biological monitor determines that project activities are disturbing or disrupting nesting activities, the monitor shall make recommendations to reduce the noise and/or disturbance <del>in the vicinity</del> <u>within 500 feet</u> of the nest.</li> </ul> | SDG&E to implement APMs and mitigation measures as defined and incorporate commitments into construction contracts. | <p>SDG&amp;E to provide survey report documentation to CPUC regarding avoidance and USFWS/CDFG concurrence as necessary.</p> <p>CPUC to inspect periodically during construction in order to ensure successful avoidance if possible/or if not possible implementation of USFWS/CDFG approved measures deemed necessary.</p> | Prior to and during construction for all areas identified as having sensitive animal species (Sycamore Canyon to Sicard Street Transition Area). |
|     |        | B-3e |        | <p><b>Western burrowing owl</b></p> <ul style="list-style-type: none"> <li>• All grading or brushing of areas containing</li> </ul>   | SDG&E to implement APMs and mitigation  | SDG&E to provide survey report documentation to CPUC   | Prior to and during construction for all areas identified as having western  |

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|     |        |    |        | <p>nest burrows (as identified in the EIR and through surveys required under the APMs which include focused surveys for the western burrowing owl), shall be conducted from September through January, which is outside the burrowing owl breeding season. Grading, brushing, and any other project activity shall avoid impacting burrows that are potential nest burrows that may provide suitable nesting habitat for the burrowing owl.</p> <ul style="list-style-type: none"> <li>• When conducting project activities during the western burrowing owl breeding season of February through August within potential habitat, the following avoidance measures shall apply:                             <ul style="list-style-type: none"> <li>(a) A qualified biologist approved by the CPUC, shall survey for western burrowing owl within one week prior to initiating project activities in an area. If western burrowing owls are present but not nesting, a qualified biologist shall survey for nesting western burrowing owls once per week in the vicinity of project activities, for the duration of the activity in that area. If an active western burrowing owl burrow is located in the vicinity of project activities, a biologist qualified for western burrowing owl nest monitoring shall monitor the nest daily until either project activities are no longer in the vicinity of the nest, or the fledglings become independent of their</li> </ul> </li> </ul> | <p>measures as defined and incorporate commitments into construction contracts.</p> | <p>regarding avoidance and USFWS/CDFG concurrence as necessary.</p> <p>CPUC to inspect periodically during construction in order to ensure successful avoidance if possible/or if not possible implementation of USFWS/CDFG approved measures deemed necessary.</p> | <p>burrowing owl.</p>         |

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|     |        |      |        | <p>nest.</p> <p>(b) If the western burrowing owl nest monitor determines that project activities are disturbing or disrupting the nesting activities of an active nest, the monitor shall make recommendations to reduce the noise and/or disturbance in the vicinity <u>in consultation with the resource agencies</u>. This may include recommendations such as, but not limited to, turning off vehicle engines and other equipment whenever possible to reduce noise, installing a protective noise barrier between the nesting western burrowing owl and the project activities, and working in other areas until the young have fledged.</p>  |   |  |   |
|     |        | B-3f |        | <p><b>Belding's savannah sparrow</b></p> <ul style="list-style-type: none"> <li>All <del>grading or</del> <u>brushing and/or vegetation clearing</u> taking place within coastal salt marsh and disturbed coastal salt marsh habitats of the Belding's savannah sparrow (as identified in the EIR and through surveys required under the APMs which include focused surveys for the Belding's savannah sparrow), shall be conducted from September through February, which is outside the Belding's savannah sparrow breeding season. <u>If brushing and/or clearing of vegetation is required during the breeding season, then a qualified biologist will survey the area and no clearing will be conducted until approval is received in</u></li> </ul> | SDG&E to implement APMs and mitigation measures as defined and incorporate commitments into construction contracts. | <p>SDG&amp;E to provide survey report documentation to CPUC regarding avoidance and USFWS/CDFG concurrence as necessary.</p> <p>CPUC to inspect periodically during construction in order to ensure successful avoidance if possible/or if not possible implementation of USFWS/CDFG approved measures deemed necessary.</p> | Prior to and during construction for all areas identified as having Belding's savannah sparrow. |

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|-----|--------|----|--------|---|------------------------|--|-------------------------------|
|     |        |    |        | <p><u>accordance with SDG&amp;E's NCCP.</u></p> <ul style="list-style-type: none"> <li>• When conducting all other project activities during the Belding's savannah sparrow breeding season of March through August, within habitat in which Belding's savannah sparrows are known to or have a high potential to occur, the following avoidance measures shall apply:                             <ul style="list-style-type: none"> <li>(a) A qualified biologist approved by the CPUC, shall survey for Belding's savannah sparrows within one week prior to initiating project activities in an area. If Belding's savannah sparrows are present, but not nesting, a qualified biologist shall survey for <del>nesting territorial</del> Belding's savannah sparrows approximately once per week in the vicinity of project activities, for the duration of the activity in that area. If an active Belding's savannah sparrow <del>nest territory</del> is located in the vicinity of project activities, a biologist qualified for Belding's savannah sparrow nest monitoring shall monitor the <del>nest territory</del> daily until either project activities are no longer in the vicinity of <del>the nest</del> or the <del>fledglings</del> become independent of their nest territory is no longer being used..</li> <li>(b) If the Belding's savannah sparrow <del>nest</del> monitor determines that the project activities are disturbing or disrupting the <del>nesting</del> territorial activities, the</li> </ul> </li> </ul> |                        |  |                               |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.3-7  
MITIGATION MONITORING PROGRAM – BIOLOGICAL RESOURCES**

| No. | Impact | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions  | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location  |
|-----|--------|------|--------|---|---|--|--|
|     |        |      |        | <p>monitor shall make recommendations to reduce the noise and/or disturbance in the vicinity <u>in consultation with the resource agencies</u>. This may include recommendations such as, but not limited to, turning off vehicle engines and other equipment when ever possible to reduce noise, installing a protective noise barrier between the <del>nesting territorial</del> Belding's savannah sparrows and the project activities, and working in other areas until the young have fledged.</p>   |   |  |  |
|     |        | B-3g |        | <p><b>Light-footed clapper rail</b></p> <ul style="list-style-type: none"> <li>All <del>grading or</del> brushing and/or vegetation clearing taking place within coastal salt marsh and disturbed coastal salt marsh habitats of the light-footed clapper rail (as identified in the EIR and through surveys required under the APMs which include focused surveys for the light-footed clapper rail), shall be conducted from September through February, which is outside the light-footed clapper rail breeding season. <u>If brushing and/or clearing of vegetation is required during the breeding season, then a qualified biologist will survey the area and no clearing will be conducted until approval is received in accordance with SDG&amp;E's NCCP. Project activities should be coordinated with the Refuge Manager prior to commencing activities that may impact NWR resources.</u></li> <li>When conducting all other project activities during the light-footed clapper rail breeding</li> </ul> | SDG&E to implement APMs and mitigation measures as defined and incorporate commitments into construction contracts. | SDG&E to provide survey report documentation to CPUC regarding avoidance and USFWS/CDFG concurrence as necessary. CPUC to inspect periodically during construction in order to ensure successful avoidance if possible/or if not possible implementation of USFWS/CDFG approved measures deemed necessary. | Prior to and during construction for all areas identified as having light-footed clapper rail. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.3-7  
MITIGATION MONITORING PROGRAM – BIOLOGICAL RESOURCES**

| No. | Impact | MM | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions | Monitoring Requirements and Effectiveness Criteria | Timing of Action and Location |
|-----|--------|----|--------|---|------------------------|--|-------------------------------|
|     |        |    |        | <p>season of March through August within habitat in which light-footed clapper rails are known to or have a high potential to occur, the following avoidance measures shall apply:</p> <p>(a) A qualified biologist approved by the CPUC, shall survey for light-footed clapper rails within one week prior to initiating project activities in an area. If light-footed clapper rails are present, but not nesting, a qualified biologist shall survey for nesting light-footed clapper rails approximately once per week in the vicinity of project activities, for the duration of the activity in that area. If an active light-footed clapper rail nest is located in the vicinity of project activities, a biologist qualified for light-footed clapper rail nest monitoring shall monitor the nest daily until either project activities are no longer in the vicinity of the nest or the fledglings become independent of their nest.</p> <p>(b) If the light-footed clapper rail nest monitor determines that the project activities are disturbing or disrupting the nesting activities, the monitor shall make recommendations to reduce the noise and/or disturbance in the vicinity <u>in consultation with the resource agencies</u>. This may include recommendations such as, but not limited to, turning off vehicle engines</p> |                        |  |                               |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.3-7  
MITIGATION MONITORING PROGRAM – BIOLOGICAL RESOURCES**

| No. | Impact | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation Actions  | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location  |
|-----|--------|------|--------|--|---|--|--|
|     |        |      |        | and other equipment when ever possible to reduce noise, installing a protective noise barrier between the nesting light-footed clapper rails and the project activities, and working in other areas until the young have fledged.  |   |  |  |
|     |        | B-3h |        | <p><b>Wandering Skipper</b></p> <ul style="list-style-type: none"> <li>A qualified biologist approved by the CPUC, shall conduct a focused survey for wandering skipper, prior to the start of construction. All areas containing salt grass, the larval plant host, shall be recorded using a global positioning system (GPS). In addition, the boundaries of all salt grass patches shall be clearly staked and flagged during the surveys for impact avoidance during implementation of the Proposed Project.</li> <li>All patches of salt grass that are delineated shall be avoided to the maximum extent possible by any temporary soil disturbing project activities such as driving, staging, or deposition of auger spoils. If avoidance is not feasible, the alternative construction methodology of using a helicopter may be required. This methodology is specifically identified as being appropriate for impact avoidance in marsh habitat areas. Other methods of avoidance of the wandering skipper may or may not be viable alternatives and would need to be coordinated with the resource agencies. Moreover, if avoidance is not feasible, the Applicant shall coordinate with the USFWS</li> </ul> | SDG&E to implement APMs and mitigation measures as defined and incorporate commitments into construction contracts. | SDG&E to provide survey report documentation to CPUC regarding avoidance and USFWS/CDFG concurrence as necessary. CPUC to inspect periodically during construction in order to ensure successful avoidance if possible/or if not possible implementation of USFWS/CDFG approved measures deemed necessary. | Prior to and during construction for all areas identified as having wandering skipper. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.3-7  
MITIGATION MONITORING PROGRAM – BIOLOGICAL RESOURCES**

| No. | Impact                            | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation Actions  | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location  |
|-----|-----------------------------------|------|--------|--|---|--|--|
|     |                                   |      |        | <p>regarding potential compensation measures.</p> <ul style="list-style-type: none"> <li>If permanent impacts would take place to wandering skipper, the project feature resulting in the permanent impact may be relocated in order to prevent impacts. If the project feature resulting in the permanent impact to wandering skipper cannot be relocated due to engineering constraints, the project biologist and USFWS and CDFG shall coordinate to determine suitable mitigation for the impacts. Any project variance resulting from such coordination efforts shall also comply with Mitigation Measure L-4a (see <i>Section D.7, Land Use and Recreation</i>).</li> </ul>  |   |  |  |
| B-5 | Impacts by Plant Invasive Species | B-5a |        | <p>SDG&amp;E shall prevent invasion of invasive, non-native plant species into sensitive plant species habitats and vegetation types by:</p> <ul style="list-style-type: none"> <li><del>Implementation of specific protective measures during construction, approved by the CPUC, such as cleaning vehicles prior to off road use, using weed free imported soil, restricted vegetation removal and requiring topsoil storage.</del></li> <li>Development and implementation of weed management procedures approved by the CPUC, to monitor and control the spread of weed populations along the ROW.</li> <li><del>Vehicles used in transmission line construction shall be cleaned prior to operation off of maintained roads.</del></li> <li><del>Fill material, soil amendments, gravel, etc., required for construction/restoration</del></li> </ul> | SDG&E to implement APMs and mitigation measures as defined and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into contract specifications. CPUC to inspect periodically to ensure that revegetated areas have been successfully protected from the introduction or establishment of invasive species in post-construction areas. | Prior to, during and after construction from Sycamore Substation to Sicard Street Transition Area. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E’s adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.3-7  
MITIGATION MONITORING PROGRAM – BIOLOGICAL RESOURCES**

| No. | Impact           | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions   | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location     |
|-----|------------------|------|--------|---|--|---|-----------------------------------|
|     |                  |      |        | <p><del>activities shall be obtained from a source that can certify the soil as being "weed free."</del></p> <ul style="list-style-type: none"> <li>Existing vegetation shall be cleared only from areas scheduled for immediate construction work (within 10 days) and only for the width needed for active construction activities <u>with one exception: If the grading within the 10-day window would occur during a time frame which prohibits vegetation clearing in certain areas for specific species (e.g., coastal California gnatcatcher, San Diego cactus wren, Belding's savannah sparrow, and light-footed clapper rail), then grading may occur outside the 10-day window, in which case, SDG&amp;E would immediately implement appropriate erosion control measures and commence work as soon as possible.</u></li> <li>During construction, the upper 12 inches of topsoil (or less depending on existing depth of topsoil) shall be salvaged and replaced wherever the transmission line is trenched through open land (not including graded roads and road shoulders).</li> <li>Disturbed soils shall be revegetated with an appropriate seed mix that does not contain invasive, non-native plant species.</li> </ul> |  |   |                                   |
| B-7 | Indirect impacts | B-7a |        | <p><b>Reduce night lighting on sensitive habitats</b></p> <p>Exterior lighting within the project area adjacent to preserved habitat shall be of the</p>  | SDG&E to implement APMs and mitigation measures as defined and incorporate | CPUC to ensure that commitments have been incorporated into construction contract specifications. CPUC to | Prior to and during construction. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.3-7  
MITIGATION MONITORING PROGRAM – BIOLOGICAL RESOURCES**

| No. | Impact | MM | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions                   | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location |
|-----|--------|----|--------|---|--|---|-------------------------------|
|     |        |    |        | lowest illumination allowed for human safety, selectively placed, shielded, and directed away from preserved habitat to the maximum extent practicable. <u>If night lighting is anticipated in areas adjacent to the NWR, these activities should be coordinated with the Refuge Manager.</u> | commitments into construction contracts. | inspect periodically to ensure correct placement of lighting to prevent night lighting impacts to sensitive habitats. |                               |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.4-3  
MITIGATION MONITORING PROGRAM – CULTURAL RESOURCES**

| No. | Impact  | MM   | APM #s                                       | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation<br>Actions   | Monitoring<br>Requirements and<br>Effectiveness Criteria  | Timing of Action<br>And Location   |
|-----|---|------|--|--|---|---|--|
| C-2 | Construction could affect undiscovered cultural resources |      | APMs 7, 12, 17, 39, 49, 41, 53 and 63 apply. | See <i>Table D.4-2</i> for description of APMs. APM 7 is highlighted as it was factored into the impact analysis.  |   |   |  |
|     |   | C-2a |  | <p><b>Prepare Cultural Resources Treatment Plan.</b> SDG&amp;E shall develop a Cultural Resources Treatment Plan (CRTP). The CRTP shall include procedures for protection and avoidance of Environmentally Sensitive Areas (ESAs) and archeological high-probability areas; evaluation and treatment of the unexpected discovery of cultural resources including Native American burials; detailed reporting requirements by the Project Archeologist; curation of any cultural materials collected during the Project, and requirements to specify that archeologists and other discipline specialists meet the Professional Qualification Standards mandated by the California Office of Historic Preservation. The CRTP shall also include the training program described in APM 7 for construction workers, procedures for protection and avoidance.</p> <p>Specific protective measures shall be defined in the CRTP to reduce potential adverse impacts on any presently undetected cultural resources to less than significant levels. The CRTP shall be submitted to the CPUC for review and approval at least 30 days before the start of construction. The CRTP shall define construction procedures for areas near known/recorded cultural sites.</p> | SDG&E to provide CRTP.  | CPUC to review and approve CRTP to ensure that cultural resources are protected and properly managed. | Before ground disturbing activities to be prepared for all construction areas. |
|     |   | C-2b |  | <b>Conduct construction monitoring.</b> Archeological monitoring shall be conducted by a qualified archeologist (i.e., member of the Register  | <ul style="list-style-type: none"> <li>SDG&amp;E to provide qualified archaeologist to</li> </ul> | <ul style="list-style-type: none"> <li>CPUC and NAHC to review extraction plan if needed.</li> </ul>  | During ground disturbing activities in all construction areas.                 |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.4-3  
MITIGATION MONITORING PROGRAM – CULTURAL RESOURCES**

| No. | Impact | MM | APM #s | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation<br>Actions   | Monitoring<br>Requirements and<br>Effectiveness Criteria  | Timing of Action<br>And Location |
|-----|--------|----|--------|--|---|---|----------------------------------|
|     |        |    |        | <p>of Professional Archaeologists) familiar with the types of historic and prehistoric resources that could be encountered along the transmission line corridor. Monitoring shall take place in areas where ground-disturbing activities within 150 feet of a known cultural resource would occur in areas designated by the City of San Diego as "culturally sensitive," or at the discretion of the qualified archeologist. Monitoring locations may also include designated archeological high-probability areas at watercourse crossings, in areas near the bay shore, and near known resources. Intermittent monitoring may occur in areas of moderate archeological sensitivity at the discretion of the principal archeologist. A Native American monitor may also be required at the discretion of the principal archeologist.</p> <p>Cultural resources discovered during monitoring shall be evaluated to determine if they are historical resources or unique archaeological resources. The effect of the project on historical resources or unique archaeological resources identified by evaluation shall be determined. If the finding is determined to be historical or unique archeological resource, and if avoidance of the resource is not feasible, the data recovery shall be performed pursuant to the CRTP (see Mitigation Measure C-2a). Any resultant archaeological collections and their records shall be curated at an appropriate San Diego County institution (i.e., San Diego County Archaeological Center).</p> <p>If human remains are discovered, there shall be no further excavation or disturbance of the discovery</p> | <p>monitor during ground disturbing activities.</p> <ul style="list-style-type: none"> <li>• Archaeologist to provide extraction plan to SDG&amp;E and CPUC if needed.</li> <li>• SDG&amp;E to contact County Coroner if human remains are found.</li> <li>• Coroner to contact NAHC if appropriate.</li> <li>• Monitoring shall follow City of San Diego Historical Resources Guidelines.</li> </ul> | <ul style="list-style-type: none"> <li>• CPUC and SDG&amp;E monitors to ensure work is suspended upon discovery of resources to ensure avoidance of all significant cultural resources.</li> <li>• If avoidance is not possible upon conclusion of evaluations, data recovery research program exhausts potential of site to yield further important information.</li> <li>• The qualifications of the qualified archeologist shall be approved by the CPUC.</li> </ul> |                                  |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.4-3  
MITIGATION MONITORING PROGRAM – CULTURAL RESOURCES**

| No. | Impact | MM | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation<br>Actions                                  | Monitoring<br>Requirements and<br>Effectiveness Criteria  | Timing of Action<br>And Location  |
|-----|--------|----|--------|---|--|---|---|
|     |        |    |        | <p>site or any nearby area reasonably suspected to overlie adjacent human remains until the project applicant has immediately notified the County Coroner and otherwise complied with the provisions of State CEQA Guidelines Section 15064.5(e). If the remains are found to be Native American, the County Coroner shall notify the Native American Heritage Commission (Commission or NAHC) within 24 hours. The most likely descendant of the deceased Native American shall be notified by the Commission and given the chance to make recommendations for the remains. If the Commission is unable to identify the most likely descendant, or if no recommendations are made within 24 hours, remains may be reinterred with appropriate dignity elsewhere on the property in a location not subject to further subsurface disturbance. If recommendations are made and not accepted, the Native American Heritage Commission will mediate the problem.</p> |  |   |   |
|     |        |    | APM 7  | <p>Prior to construction, all SDG&amp;E, contractor, and subcontractor project personnel shall receive training regarding the appropriate work practices necessary to effectively implement the Protocols and to comply with the applicable environmental laws and regulations. To assist in this effort, the training shall address: a. federal, state, local, and tribal laws regarding antiquities, including collection and removal; b. the importance of these resources and the purpose and necessity of protecting them; and c. methods for protecting sensitive cultural resources.</p>   | <p>SDG&amp;E to conduct training program as described.</p> | <p>SDG&amp;E to provide to the CPUC documentation demonstrating implementation of the training program.</p> | <p>Prior to ground disturbing activities in all construction areas.</p> |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E’s adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.5-6  
MITIGATION MONITORING PROGRAM – GEOLOGY, SOILS, PALEONTOLOGY**

| No. | Impact   | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation<br>Actions   | Monitoring<br>Requirements and<br>Effectiveness Criteria   | Timing of Action and Location  |
|-----|--|------|--------|---|---|--|--|
| G-1 | Ground acceleration/<br>ground shaking,<br>which could<br>damage<br>components | G-1a |        | <b>Reduce Effects of Ground shaking.</b> The Applicant shall perform design-level geotechnical investigations including site-specific seismic analyses to evaluate the peak ground accelerations for design of project components. The Applicant shall follow the Institute of Electrical and Electronics Engineers (IEEE) 693 "Recommended Practices for Seismic Design of Substations," which has specific requirements to mitigate the types of damage that 230 kV equipment at substations have been subjected to in the past. These design guidelines shall be implemented during construction of substation modifications and transition station construction. Substation and transition station control buildings shall be designed in accordance with the Uniform Building Code for sites in Seismic Zone 4 with near-field factors. Compliance with this measure shall be documented <u>shorter review periods where practicable</u> before construction by submittal of reports describing the potential peak ground accelerations expected for design level earthquake and a description of how the design will accommodate this anticipated motion. | SDG&E to implement measures as defined and provide copies of geotechnical evaluations to the CPUC <del>and local planning agencies.</del> | CPUC to verify that design has incorporated specific conditions to remediate impacts caused by ground shaking. | Prior to construction of new transition cable poles, transition station and substation modifications.  |
| G-2 | Ground rupture,<br>which could<br>displace surface<br>deposits along<br>faults | G-2a |        | <b>Minimize Project Structures within Active Fault Zone.</b> <u>The underground design shall take into account any active fault crossing by implementing appropriate engineering design and construction measures. Appropriate design measures could include any crossing of an active fault shall be made as close to perpendicular to the fault as possible to make the segment cross the shortest distance within an active fault zone.</u> For underground crossings of active or potentially   | SDG&E to implement measures as defined and provide copies of geotechnical evaluations to the CPUC <del>and local planning agencies.</del> | CPUC to verify that design has incorporated specific conditions to remediate impacts caused by ground rupture. | Prior to construction of underground cable within the vicinity of the Rose Canyon Fault and other areas deemed necessary by the project's geotechnical engineer. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.5-6  
MITIGATION MONITORING PROGRAM – GEOLOGY, SOILS, PALEONTOLOGY**

| No. | Impact   | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation<br>Actions   | Monitoring<br>Requirements and<br>Effectiveness Criteria   | Timing of Action and Location   |
|-----|--|------|--------|--|---|--|---|
|     |  |      |        | <p>active fault traces, <del>oversize</del> the cable vaults on either side of the fault <del>shall be oversized</del>, leaving as much slack as possible in the cables. The underground cable <del>shall be installed</del> <u>installation</u> in the shortest feasible segments, with splice vaults and manholes located as close as possible outside of the fault zone in order to minimize the area where post-earthquake repairs may be required. A rebar reinforcement duct bank design that will increase the ductility of the duct bank at key locations <del>shall</del> <u>can</u> also be used. Adequate supplies of spare cable sections shall be maintained by SDG&amp;E for rapid repair after an earthquake-caused failure. For aboveground installations such as transition stations, SDG&amp;E shall follow standard design codes for facilities in seismic zones.</p>   |   |  |   |
| G-3 | Seismically induced ground failures including liquefaction, lateral spreading, and seismic slope instability | G-3a |        | <p><b>Geotechnical Investigations for Liquefaction and Slope Instability.</b> The Applicant shall perform design-level geotechnical investigations to evaluate the potential for liquefaction, lateral spreading, seismic slope instability, and ground-cracking hazards to affect the approved project and all associated facilities. Where these hazards are found to exist, appropriate engineering design and construction measures shall be incorporated into the project designs. Appropriate measures for both overhead and underground project facilities could include construction of pile foundations, ground improvement of liquefiable zones, installation of flexible bus connections, and incorporation of slack in underground cables to allow ground deformations without damage to structures. SDG&amp;E shall submit a report of the required investigations to the CPUC for review and approval at least 60 days or shorter review</p> | SDG&E to implement measures as defined and provide copies of geotechnical evaluations to the CPUC <del>and local planning agencies.</del> | CPUC to verify that design has incorporated specific conditions to remediate impacts caused by ground failures including liquefaction. | Prior to construction along the San Diego Bayfront and other areas deemed necessary by the geotechnical engineer. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E’s adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.5-6  
MITIGATION MONITORING PROGRAM – GEOLOGY, SOILS, PALEONTOLOGY**

| No. | Impact  | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation<br>Actions   | Monitoring<br>Requirements and<br>Effectiveness Criteria  | Timing of Action and Location   |
|-----|---|------|--------|---|---|---|---|
|     |   |      |        | periods where practicable before construction.  |   |   |   |
| G-4 | Slope instability including landslides, earth flows, and debris flows | G-4a | 64     | <p><b>See Table D.5-5 B-4 for description of APM.</b></p> <p><b>Geotechnical Surveys for Landslides.</b> The Applicant shall perform design-level geotechnical surveys to evaluate the potential for unstable slopes, landslides, earth flows, and debris flows along the approved transmission line route and in the vicinity of other project facilities. Based on these surveys, approved project facilities shall be located away from very steep hillsides, debris flow source areas, the mouths of steep sidehill drainages, and the mouths of canyons that drain steep terrain. A report documenting these surveys shall be submitted to the CPUC for review and approval at least 60 days <u>or shorter review periods where practicable</u> before construction.</p> | SDG&E to implement measures as defined and provide copies of geotechnical evaluations to the CPUC <del>and local planning agencies.</del> | CPUC to verify that design has incorporated specific conditions to remediate tower or offsite damage due to failure of unstable slopes. | Prior to construction of new tower foundations.   |
| G-5 | Soils which could damage foundations or have high erosion potential   | G-5a |        | <p><b>Foundation in unstable slopes or erodible soils.</b> A geologist and geotechnical engineer shall evaluate the placement of towers on mesas, ridges, slopes, spurs, and in or near active streambeds. Their analyses shall describe the geologic stability and make recommendations for the best foundation type and depth for the local conditions. A report documenting the analysis and recommendations shall be submitted to the CPUC for review and approval at least 60 days <u>or shorter review periods where practicable</u> prior to construction.</p>   | SDG&E to implement measures as defined and provide copies of geotechnical evaluations to the CPUC <del>and local planning agencies.</del> | CPUC to verify that design has incorporated specific conditions to remediate erosion and excessive erosion.                             | Prior to construction of new tower foundations.   |
|     |   | G-5b |        | Corrosivity testing shall be performed on a site-specific basis for each support structure and substation to be located within areas mapped as having high potential for corrosive soils by the U.S. Department of Agriculture (USDA). <u>In areas determined to be detrimentally corrosive.</u>  | SDG&E to implement measures as defined.   | CPUC to verify that design has incorporated specific conditions to remediate for damage due to corrosive soils.                         | Prior to construction of new tower foundations, transition station, transition cable poles and substation modifications <u>in areas determined to be detrimentally corrosive.</u> |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E’s adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.5-6  
MITIGATION MONITORING PROGRAM – GEOLOGY, SOILS, PALEONTOLOGY**

| No. | Impact | MM | APM #s  | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation<br>Actions               | Monitoring<br>Requirements and<br>Effectiveness Criteria   | Timing of Action and Location                          |
|-----|--------|----|---|---|---|--|--|
|     |        |    |   | appropriate design measures for protection of reinforcement, concrete, and metal-structural components against corrosion shall be utilized, such as use of corrosion-resistant materials and coatings, increased thickness of project components exposed to potentially corrosive conditions, and use of passive and/or active cathodic protection systems. Study results and proposed solutions shall be provided to the CPUC for review and approval at least 60 days or <u>shorter review periods where practicable</u> before construction. |   |  |  |
|     |        |    | APMs 3, 5, 6, 7, 38 and 65 (see <u>Table D.5-5 B-4</u> for description of APMs) apply. The following APMs are highlighted as they were factored into the impact analysis. |   |   |  |  |
|     |        |    | APM-3   | Project construction activities shall be designed and implemented to avoid or minimize new disturbance, erosion on manufactured slopes, and off-site degradation from accelerated sedimentation. In situations where revegetation would improve the success of erosion control, planting or seeding with native hydroseed mix shall be done on slopes.  | SDG&E to implement measures as defined. | CPUC to verify that design has incorporated specific conditions to minimize disturbance and erosion. | Prior to construction in all construction areas.       |
|     |        |    | APM-5   | In areas where <u>temporary</u> ground disturbance is substantial or where recontouring is required (e.g., marshaling yards, tower sites, spur roads from existing access roads), surface restoration shall occur as required by the governmental agency  | SDG&E to implement measures as defined. | CPUC to inspect periodically to ensure that disturbance and erosion are minimized.                   | During construction of new overhead transmission line. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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MITIGATION MONITORING PROGRAM – GEOLOGY, SOILS, PALEONTOLOGY**

| No. | Impact  | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation<br>Actions               | Monitoring<br>Requirements and<br>Effectiveness Criteria   | Timing of Action and Location  |
|-----|---|------|--------|---|---|--|--|
|     |   |      |        | having jurisdiction. The method of restoration normally shall consist of returning disturbed areas back to their original contour, reseeding (if required), installing cross drains for erosion control, placing water bars in the road, and filling ditches for erosion control. Soil spoils created during ground disturbance or recontouring shall be disposed of only on previously disturbed areas, or used immediately to fill eroded areas. However, material for filling in eroded areas in roads or road ruts shall never be obtained from the sides of the road that contain habitat without the approval of the on-site biological resource monitor. Cleared vegetation shall be hauled off-site to a permitted disposal location. |   |  |  |
|     |   |      | APM-65 | In disturbed areas where construction equipment has caused compaction of soils (e.g., staging areas, structure sites, temporary spur roads), soils shall be decompacted as necessary prior to seeding and reclamation shall occur to enhance revegetation and reduce potential for erosion.   | SDG&E to implement measures as defined. | CPUC to inspect periodically to ensure disturbance and erosion are minimized.  | During construction in all work areas.   |
| G-7 | Construction activities may destroy Paleontologic resources | G-7a | 15     | <p>See <u>Table D.5-5 B-4</u> for description of APM.</p> <p>A paleontologist or paleontological monitor shall be onsite to inspect for fossils during excavation activities at or below six feet within the potentially sensitive units including the Stadium Conglomerate Group and Friars Formation. In the event that fossils are encountered, the paleontologist will have the authority to divert or temporarily halt construction activities in the area of discovery to allow recovery of fossil remains in a timely fashion.</p> <p>Fossil remains will be cleaned, sorted repaired.</p>   | SDG&E to implement measures as defined. | <p>CPUC to inspect periodically to prevent destruction of non-renewable Paleontologic resources.</p> <p>CPUC to review and approve monitoring results report that provides the fossils found and their significance.</p> | During construction in all areas where there is a possibility or certainty of encountering potentially fossil-bearing strata (mainly between mile-posts 0 to 4 and 28 to 38 within the project alignment). |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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| No. | Impact | MM | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation<br>Actions | Monitoring<br>Requirements and<br>Effectiveness Criteria | Timing of Action and Location |
|-----|--------|----|--------|---|---------------------------|--|-------------------------------|
|     |        |    |        | <p>catalogued, and then stored in a local scientific institution that houses paleontological collections. The qualified paleontologist will be responsible for preparation of fossils to a point of identification, and submittal of a letter of acceptance from a local qualified curation facility. Within 90 days of completion of the excavation phase of the project, the paleontologist shall provide to the CPUC a report summarizing the monitoring results for review and approval. The monitoring results report shall include appropriate graphics summarizing the results (even if negative), analyses, and conclusions of the above monitoring program. Any discovered fossil sites shall be recorded at the San Diego Natural History Museum.</p> |                           |  |                               |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.6-3  
MITIGATION MONITORING PROGRAM – HYDROLOGY AND WATER QUALITY**

| No. | Impact  | MM | APM #s | Mitigation Measure/Applicant Proposed Measure   | Implementation Actions   | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location  |
|-----|---|----|--------|---|--|---|--|
| H-1 | Soil erosion, water quality degradation and sedimentation from construction activity and access roads |    | 3      | Project construction activities shall be designed and implemented to avoid or minimize new disturbance, erosion on manufactured slopes, and off-site degradation from accelerated sedimentation. Maintenance of cut and fill slopes created by project construction activities shall consist primarily of erosion repair. In situations where revegetation would improve the success of erosion control, planting or seeding with native hydroseed mix shall be done on slopes. | SDG&E to implement measure as defined and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to inspect periodically to ensure minimization of disturbance and erosion. | During construction in all work areas, primarily associated with overhead transmission line. |
|     |   |    | 4      | In areas where recontouring is not required, vegetation shall be left in place wherever feasible and original ground contour shall be maintained to avoid excessive root damage and allow for resprouting.  | SDG&E to implement measure as defined and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to inspect periodically to ensure minimization of disturbance and erosion. | During construction in all work areas, primarily associated with overhead transmission line. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.6-3  
MITIGATION MONITORING PROGRAM – HYDROLOGY AND WATER QUALITY**

| No. | Impact | MM | APM #s | Mitigation Measure/Applicant Proposed Measure  | Implementation Actions  | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location   |
|-----|--------|----|--------|--|---|--|---|
|     |        |    | 5      | <p>In areas where temporary ground disturbance is substantial or where recontouring is required (e.g., marshaling yards, tower sites, spur roads from existing access roads), surface restoration shall occur as required by the governmental agency having jurisdiction. The method of restoration normally shall consist of returning disturbed areas back to their original contour, reseeding (if required), installing cross drains for erosion control, placing water bars in the road, and filling ditches for erosion control. Erosion shall be minimized on access roads and other locations primarily with water bars. The water bars shall be constructed using mounds of soil shaped to direct the flow of runoff and prevent erosion. Soil spoils created during ground disturbance or recontouring shall be disposed of only on previously disturbed areas, or used immediately to fill eroded areas. However, material for filling in eroded areas in roads or road ruts shall never be obtained from the sides of the road that contain habitat without the approval of the on-site biological resource monitor.</p> | <p>SDG&amp;E to implement measure as defined and incorporate commitments into construction contracts.</p> | <p>CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to inspect periodically to ensure minimization of disturbance and erosion.</p> | <p>During construction in all work areas, primarily associated with overhead transmission line.</p> |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.6-3  
MITIGATION MONITORING PROGRAM – HYDROLOGY AND WATER QUALITY**

| No. | Impact | MM | APM #s | Mitigation Measure/Applicant Proposed Measure  | Implementation Actions   | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location          |
|-----|--------|----|--------|--|--|---|--|
|     |        |    | 6      | Potential hydrologic impacts shall be minimized through the use of BMPs such as water bars, silt fences, staked straw bales, and mulching and seeding of all disturbed areas. These measures shall be designed to minimize ponding, eliminate flood hazards, and avoid erosion and siltation into any creeks, streams, rivers, or bodies of water. | SDG&E to implement measure as defined and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to inspect periodically to minimize erosion impacts. | During construction in all work areas. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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|-----|--------|----|--------|--|--|---|---|
|     |        |    | 11, 35 | <p>To the extent feasible, access roads shall be built at right angles to the streambeds and washes. Where it is not feasible for access roads to cross at right angles, SDG&amp;E shall limit roads constructed parallel to streambeds or washes to a maximum length of 500 feet at any one transmission line crossing location. Such parallel roads shall be constructed in a manner that minimizes potential adverse impacts on "waters of the U. S." or "waters of the state." Streambed crossings and roads constructed parallel to streambeds shall require review and approval of necessary permits from the U.S. Army Corps of Engineers, CDFG, and RWQCB. Culverts shall be installed where needed for right angle crossings, but rock crossings shall be utilized across most right angle drainage crossings. All construction and maintenance activities shall be conducted in a manner that would minimize disturbance to vegetation, drainage channels, and streambanks (e.g., towers would not be located within a stream channel; construction activities would avoid sensitive features). In addition, road construction shall include dust-control measures (e.g., watering of construction areas to suppress dust) during construction in sensitive areas, as required. Erosion control during construction in the form of intermittent check dams and culverts shall also be considered to prevent alteration to natural drainage patterns and prevent siltation.</p> | <p>SDG&amp;E to incorporate commitments into construction contracts and submit final design plans to <u>City and County</u>, the CPUC and if required to the <u>ACOE, CDFG and RWQCB</u> for review and comment.</p> <p>SDG&amp;E to implement BMPs.</p> | <p>CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to verify CDFG, ACOE and RWQCB review and approval and that copies of all requisite permits be provided prior to construction.</p> <p>CPUC to inspect periodically to ensure minimization of disturbance and erosion.</p> | <p>During construction in all work areas, primarily associated with overhead transmission line.</p> |

Applicant Proposed Measure (APM) – As part of project design and in order for SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon the Applicant's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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MITIGATION MONITORING PROGRAM – HYDROLOGY AND WATER QUALITY**

| No. | Impact | MM | APM #s | Mitigation Measure/Applicant Proposed Measure   | Implementation Actions                 | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location            |
|-----|--------|----|--------|---|--|--|--|
|     |        |    | 38     | Secure any required General Permit for Storm Water Discharges Associated With Construction Activity (NPDES permit) authorization from the State Water Resources Control Board and/or the RWQCB to conduct construction-related activities to build the project and establish and implement a SWPPP erosion control measures during construction to minimize hydrologic impacts in areas sensitive from flooding or siltation into water bodies. | SDG&E to implement measure as defined. | CPUC to verify and ensure RWQCB approval, and require SDG&E to submit NPDES permit and SWPPD to the CPUC thereby minimizing water quality impacts. | Prior to construction in all work areas. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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MITIGATION MONITORING PROGRAM – HYDROLOGY AND WATER QUALITY**

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|-----|--------|----|--------|---|--|---|--|
|     |        |    | 40     | To minimize ground disturbance and/or reduce scarring (visual contrast) of the landscape, the alignment of any new access roads (i.e., bladed road) or cross-country route (i.e., unbladed route) shall follow the landform contours in designated areas to the extent feasible, providing that such alignment does not additionally impact sensitive features (e.g., riparian area, habitat of sensitive species, cultural site). To the extent feasible, new access roads shall be designed to be placed in previously disturbed areas and areas that require the least amount of grading in sensitive areas. Whenever feasible, in areas where there are existing access roads, preference shall be given to the use of new spur roads rather than linking facilities tangentially with new, continuous roads. Where it is infeasible to locate roads along contours, or in previously disturbed areas, or use spur roads to limit grading, the revegetation/ seeding plans for the project shall incorporate plant species in areas adjacent to access roads that are capable of screening the visual impacts of the roads. | SDG&E to implement measure as defined and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to inspect periodically to ensure minimization of disturbance and erosion. | During construction in all work areas, primarily associated with overhead transmission line. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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|-----|--------|----|--------|---|--|--|---|
|     |        |    | 52     | <p>To the extent feasible, design structure locations to avoid wetlands, streams, and riparian areas. These sensitive water resource features include riparian areas, habitats of endangered species, streambeds, cultural resources, and wetlands. If these areas cannot be avoided, a qualified biological contractor shall conduct site-specific assessments for each affected site. These assessments shall be conducted in accordance with Corps wetland delineation guidelines, as well as CDFG streambed and lake assessment guidelines, and shall include impact minimization measures to reduce wetland impacts to a less than significant effect (e.g., creation and restoration of wetlands). Though construction or maintenance vehicle access through shallow creeks or streams is allowed, staging/storage areas for equipment and materials shall be located outside of riparian areas. Construction of new access through streambeds that require filling for access purposes would require a Streambed Alteration Agreement from the CDFG and/or consultation with the Corps. Where filling is required for new access, the installation of properly sized culverts and the use of geotextile matting should be considered in the CDFG/Corps consultation process.</p> | SDG&E to implement measure as defined. | CPUC to review final design plans and verify CDFG, RWQCB and ACOE requirements have been met and inspect periodically to ensure minimization of disturbance and erosion. | Prior to and during construction, primarily work areas associated with new overhead transmission line and new access roads. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E’s adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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|-----|--------|----|--------|---|--|---|--|
|     |        |    | 55     | <p>Erosion Control and Sediment Transport Control Plan shall be included with the project grading plans submitted to San Diego County for review and comment. The sediment transport control plan would be prepared in accordance with the standards provided in the Manual of Erosion and Sedimentation Control Measures and consistent with practices recommended by the Resource Conservation District of San Diego County. Implementation of the plan would help stabilize soil in graded areas and waterways and reduce erosion and sedimentation. The plan shall designate BMPs that would be implemented during construction activities. Erosion control efforts, such as hay bales, water bars, covers, sediment fences, sensitive area access restrictions (e.g., flagging), vehicle mats in wet areas, and retention/settlement ponds, shall be installed before extensive soil clearing and grading begins. Mulching, seeding, or other suitable stabilization measures shall be used to protect exposed areas during construction activities. Revegetation plans, the design and location of retention ponds and grading plans would be submitted to the CDFG and Corps for review in the event of construction near waterways. <u>As described in APM 38, which provides for preparation of a SWPPP, BMPs will be developed to address erosion control and sediment transport.</u></p> | SDG&E to implement measure as defined and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to inspect periodically to ensure minimization of disturbance and erosion. | During construction in all work areas, primarily associated with overhead transmission line. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description. APM and mitigation measures (MM) proposed by the CPUC.

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| No. | Impact   | MM | APM #s                                      | Mitigation Measure/Applicant Proposed Measure  | Implementation Actions   | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location  |
|-----|--|----|---|--|--|---|--|
|     |  |    | 57  | To minimize mud and dust from being transported onto paved roadway surfaces, pave or apply chemical stabilization at sufficient concentration and frequency to maintain a stabilized surface starting from the point of intersection with the public paved surface and extending for a centerline distance of at least 100 feet and a width of at least 20 feet. Also, SDG&E will implement its BMP 1-07 (Tracking Controls) to minimize mud and dust. | SDG&E to implement measure as defined and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to inspect periodically to minimize erosion and sedimentation.             | During construction in all work areas primarily associated with overhead transmission line.  |
|     |  |    | 65  | Disturbed areas where construction equipment has caused compaction of soils (e.g., staging areas, structure sites, temporary spur roads), soils shall be decompacted as necessary prior to seeding and reclamation would occur to enhance revegetation and reduce potential for erosion.   | SDG&E to implement measure as defined and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to inspect periodically to ensure minimization of disturbance and erosion. | During construction in all work areas, primarily associated with overhead transmission line. |
| H-2 | Degradation of water quality through spill of potentially harmful materials used in construction |    | See above for description of APMs 6 and 38. | Hazardous materials shall not be disposed of or released onto the ground, the underlying groundwater, or any surface water. Totally enclosed   | SDG&E to implement measure as defined and incorporate commitments into                         | CPUC to ensure that commitments have been incorporated into construction contracts.   | During construction in all work areas.   |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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MITIGATION MONITORING PROGRAM – HYDROLOGY AND WATER QUALITY**

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|-----|--------|----|--------|--|--|--|--|
|     |        |    | 16     | containment shall be provided for all trash. All construction waste, including trash and litter, garbage, other solid waste, petroleum products and other potentially hazardous materials, shall be removed to a hazardous waste facility permitted or otherwise authorized to treat, store, or dispose of such materials. <u>SDG&amp;E will implement its BMP 2-05 (Hazardous Materials/ Waste Management to manage and control hazardous materials and waste and will implement BMP 2-4 (Solid Waste Management) to control solid waste.</u> | construction contracts.                | CPUC to inspect periodically to ensure minimization of accidental release, containing and properly disposing of hazardous materials.                       |  |
|     |        |    | 32     | A hazardous substance management, handling, storage, disposal, and emergency response plan shall be prepared and implemented. <u>As described in APM 38, which provides for preparation of a SWPPP, BMPs will be developed to address hazardous substances and an emergency response plan.</u>   | SDG&E to implement measure as defined. | CPUC to verify approval from San Diego County thereby minimizing the risk of accidental release, containing and properly disposing of hazardous materials. | Prior to and during construction for all work areas. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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MITIGATION MONITORING PROGRAM – HYDROLOGY AND WATER QUALITY**

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|-----|--|------|--------|--|--|--|--|
| H-3 | Groundwater disturbance and water quality degradation through project-related excavation | H-3a |        | Short-term water quality impacts during construction shall be minimized by complying with federal and state regulations for groundwater discharge into surface water bodies. All discharges shall be in compliance with RWQCB requirements. If dewatering activities associated with cable trenching and boring results in possible exposure to contaminated groundwater and/or soils, SDG&E shall ensure compliance with the State of California CCR Title 23 Health and Safety Regulations as managed by the San Diego County Department of Environmental Health. Additionally, SDG&E shall ensure compliance with the Clean Water Act and National Pollutant Discharge Elimination System regulations regarding water discharge from construction activities to surface waters. Groundwater impacted by gasoline products may have to be treated prior to discharge to surface waters (stormdrains) or sanitary sewer. Treatment options may include granular activated carbon absorption. Verification of compliance shall be <del>submitted</del> <u>achieved through submission to the CPUC of all applicable permits obtained for review and approval at least 60 days prior to construction and appropriate documentation of implementation during construction as required.</u> | SDG&E to implement measure as defined and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to verify RWQCB and <u>San Diego County Department of Environmental Health</u> approval of dewatering activities thereby minimizing the potential for water quality degradation through project-related excavation. | During construction in all work areas. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E’s adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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MITIGATION MONITORING PROGRAM – HYDROLOGY AND WATER QUALITY**

| No. | Impact  | MM                    | APM #s                                      | Mitigation Measure/Applicant Proposed Measure  | Implementation Actions   | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location  |
|-----|---|-----------------------|---|--|--|--|--|
|     |   | H-3b                  |   | SDG&E shall require that the contractor prepare and submit for approval to the RWQCB, procedures for containment, such as the use of additives within the drilling fluid to thicken the viscosity, in the event of an inadvertent release of drilling fluids (frac-out) due to horizontal boring or horizontal directional drilling.   | SDG&E to implement measure as defined and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to verify approval from RWQCB to ensure protection of water quality.  | Prior to and during construction in all areas proposed for horizontal boring or horizontal directional drilling. |
|     |   | HAZ-2a, HAZ-2b, HAZ-3 | 16, 32                                      | See above for APM 16 and 32 description. See Section D.9, Public Health and Safety for description of HAZ-2a, HAZ-2b and HAZ-3.  |  |  |  |
| H-4 | Increased runoff from new impervious areas and alteration of existing drainage patterns | H-4a                  | See above for description of APM 11 and 52. | H-4a Access roads and drainage systems shall be designed to account for anticipated surface runoff and channel flow. Culverts designed to convey flow beneath access roads shall be designed for the specific hydrologic and hydraulic conditions occurring at the site. Culvert design shall follow standard practices (Caltrans Highway Design Manual, 1999) and shall also include energy dissipation practices (Federal Highway Administration, 1983). Flow velocities shall be maintained below levels that are capable of causing channel erosion downstream or headward channel incision upstream. Construction plans for new roads <u>in any waters of the state/U.S. (e.g., drainage systems)</u> shall be submitted to the <del>local jurisdiction</del> <u>ACOE, RWQCB, CDFG</u> and CPUC for review and approval at least 60 days prior to the | SDG&E to implement measure as defined and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to verify approval from <u>RWQCB, ACOE and CDFG if applicable</u> <del>local planning agencies</del> of grading plans thereby minimizing runoff and drainage pattern impacts. | Prior to and during construction in all work areas.  |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.6-3  
MITIGATION MONITORING PROGRAM – HYDROLOGY AND WATER QUALITY**

| No. | Impact  | MM   | APM #s | Mitigation Measure/Applicant Proposed Measure  | Implementation Actions                 | Monitoring Requirements and Effectiveness Criteria                                    | Timing of Action and Location   |
|-----|---|------|--------|--|--|---|---|
|     |   |      |        | start of construction.   |  |   |   |
| H-5 | Encroachment into a floodplain or watercourse by permanent project features | H-5a |        | A scour analysis shall be completed during the design phase to determine potential cable washout dangers commonly associated with major flood events for all <u>100-year</u> floodplain or water courses crossed by the underground cable. A report of the analysis shall be submitted to the CPUC for review and approval at least 60 days <u>or shorter review period where practicable</u> prior to construction. | SDG&E to implement measure as defined. | CPUC to review and approve engineering analysis thereby minimizing scour and erosion. | Prior to construction in locations where the proposed cable will cross below or pass adjacent to streams and water courses. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.7-8  
MITIGATION MONITORING PROGRAM – LAND USE AND RECREATION**

| No. | Impact                           | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions                                | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location   |
|-----|----------------------------------|------|--------|---|---|--|---|
| L-3 | Disrupt an established land use. | L-3a |        | <p><b>Provide Construction Notification and Minimize Construction Disturbance.</b> SDG&amp;E or its construction contractor shall provide advance notice, between two and four weeks prior to construction, by mail to all residents or property owners within 300 feet of the alignment. The announcement shall state specifically where and when construction will occur in the area. <del>If construction delays of more than seven days occur, an additional notice shall be made, either in person or by mail.</del> Notices shall provide tips on reducing noise intrusion, for example, by closing windows facing the planned construction. SDG&amp;E shall also publish a notice of impending construction in local newspapers, stating when and where construction will occur. Prior to construction, copies of all notices shall be submitted to the CPUC.</p> <p>SDG&amp;E shall construct during the night in areas where a local jurisdiction requests such timing to reduce construction disruption, if it can be demonstrated that significant noise impacts would not occur. Whether requested by either SDG&amp;E or the local jurisdiction, SDG&amp;E shall provide written evidence of local jurisdiction approval to the CPUC prior to the start of any night work. <del>SDG&amp;E shall also provide analysis of noise impacts and proposed mitigation measures for any residents or other sensitive land uses that would be affected by nighttime construction.</del></p> | SDG&E shall conduct public notification as defined.   | SDG&E to provide CPUC with construction notices for review and approval at least 60 days prior to construction. Notices to provide advanced notice of construction activities in order to limit noise, dust, and disruption impacts. | Prior to and during construction. for all residences and property owners within 300 feet of the project alignment applicable from the Miguel Substation to the Old Town Substation. |
|     |                                  | L-3b |        | <p><b>Provide Public Liaison Person and Information Hotline.</b> SDG&amp;E shall identify and provide a public liaison person before and during construction to respond to concerns of neighboring residents about noise, dust, and other construction disturbance. Procedures for reaching the public liaison officer via telephone or in person shall be included in notices distributed to the public in accordance with Mitigation Measure L-3a. SDG&amp;E shall also establish a telephone number for receiving questions or complaints during</p>   | SDG&E to provide public liaison and telephone number. | SDG&E to provide procedures and bi-monthly reports to the CPUC for review and approval prior to and during construction, and provide evidence to the CPUC that a liaison person has been identified to address public concerns.      | Prior to and during construction. for all residences and property owners within 300 feet of the project alignment applicable from the Miguel Substation to the Old Town Substation. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.7-8  
MITIGATION MONITORING PROGRAM – LAND USE AND RECREATION**

| No. | Impact | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions                 | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location   |
|-----|--------|------|--------|---|--|---|---|
|     |        |      |        | construction and shall develop procedures for responding to callers. Procedures shall be submitted to the CPUC for review and approval prior to construction and bi-monthly reports summarizing public concerns shall be provided to the CPUC during construction.  |  |   |   |
|     |        | L-3c |        | <b>Provide Continuous Access to Properties.</b> SDG&E or its construction contractor shall provide at all times the ability to quickly lay a temporary steel plate trench bridge upon request to ensure driveway access to businesses and residences, and shall provide continuous access to properties when not actively constructing the underground cable alignment. In the event that trench stability could be compromised by the laying of a temporary steel plate bridge during an early phase of trench construction, the construction contractor may defer a request for access to the soonest possible time until the stability of the trench has been assured, provided SDG&E has provided <del>48-hour</del> <u>24-hour</u> advance notification of the potential for disrupted access to any business or residence that may experience such delayed access. The notification shall include information on restoring access and the estimated amount of time that access may be blocked. In addition, SDG&E shall develop construction plans that will minimize driveways blocked during the workday. | SDG&E to implement measure as defined. | CPUC to inspect periodically to verify compliance and continued access to properties is maintained.                 | During construction along alignment from Sicard Street Transition Station to Old Town Substation.                   |
|     |        | L-3d |        | <b>Coordinate with Businesses.</b> Where private parking lots serving businesses would be effectively blocked during construction, SDG&E shall either make prior arrangements with the business owner(s) to provide alternative parking (for example within reasonable walking distance (i.e., no more than 1,000 feet), or shall coordinate the construction schedule so as to prevent disrupting the functions of the business(es).   | SDG&E to implement measure as defined. | SDG&E to provide copy documentation verifying compliance with measure to ensure minimization of impacts to parking. | Prior to construction for the underground segment between Sicard Street Transition Station and Old Town Substation. |
|     |        |      | APM 45 | To the extent feasible, project facilities would be installed along the edges or borders of private property, open space parks, and recreation areas. When it is not feasible to locate   | SDG&E to implement measure as defined. | SDG&E to provide documentation substantiating coordination  | Prior to construction of new overhead facilities primarily between the Miquel                                       |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E’s adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.7-8  
MITIGATION MONITORING PROGRAM – LAND USE AND RECREATION**

| No. | Impact  | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions                            | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location  |
|-----|---|------|--------|---|---|---|--|
|     |   |      |        | project facilities along property borders, SDG&E would consult with affected property owners to identify facility locations that create the least potential impact to property and are mutually acceptable to property owners. When SDG&E cannot mutually resolve facility locations with property owners, SDG&E would pay just compensation to those property owners based on the facility locations identified by SDG&E.  |   | efforts to minimize displacement impacts to land use.   | Substation and Sicard Street Transition Station.   |
|     |   |      | APM 46 | To the extent feasible during final engineering design, coordinate the installation location of the project facilities line with landowners and/or the government agency having jurisdiction and/or the local government having an interest in the location of the facilities. When SDG&E cannot resolve facility locations in coordination with affected property owners that create the least potential impact to property and that are mutually acceptable to property owners, SDG&E would pay just compensation to those property owners based on the facility locations identified by SDG&E.   | SDG&E to implement measure as defined.            | SDG&E to provide documentation substantiating coordination efforts to minimize displacement impacts to land use.  | Prior to construction of new overhead facilities primarily between the Miguel Substation and Sicard Street Transition Station. |
|     |   |      | 50     | See <u>Table D-7.4 B-4</u> for description of APM 50.   |   |   |  |
| L-4 | <u>Displace an established land use</u>                                   | L-4a |        | Project variances shall be strictly limited to minor project changes (such as, movement of proposed transmission structure within an existing parking lot) that will not trigger other permit requirements and does not increase the severity of an impact <u>to a level of significance</u> or create a new <u>significant</u> impact, and that clearly and strictly complies with the intent of APMs 45 and 46. All project variances and supporting documentation regarding coordination with affected property owners shall be submitted to the CPUC for review and approval at least 60 days <u>or shorter review periods where practicable</u> prior to construction. | <u>SDG&amp;E to implement measure as defined.</u> | <u>SDG&amp;E to provide documentation substantiating coordination efforts to CPUC for review and approval at least 60 days or shorter review periods where practicable prior to construction.</u> | <u>Prior to and during construction for all project variances.</u>   |
| L-5 | Substantially deteriorate a recreational facility or disrupt recreational | L-5a |        | <b>Avoid peak recreational usage.</b> SDG&E shall not schedule construction during times of peak usage (i.e., <del>weekends and holidays as defined by and coordinated with the recreational facility operators</del> ) at the following recreational areas and provide documentation substantiating coordination efforts   | SDG&E to implement measure as defined.            | SDG&E to provide documentation substantiating coordination efforts with various affected recreational parks to the  | Prior to and during construction for all parks listed in mitigation measure.   |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMS) in the project design. The APMS are considered part of the project design, but project approval is contingent upon SDG&E’s adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.7-8  
MITIGATION MONITORING PROGRAM – LAND USE AND RECREATION**

| No. | Impact     | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation Actions                       | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location  |
|-----|------------|------|--------|--|--|--|--|
|     | activities |      |        | <p>with various affected recreational parks to the CPUC for review and approval prior to construction:</p> <ul style="list-style-type: none"> <li>• Bonita Long Canyon Park</li> <li>• Discovery Park</li> <li>• Sunridge Park</li> <li>• Sunbow Park</li> <li>• Greg Rogers Park</li> <li>• Palomar Park</li> <li>• Rienstra Ballfields</li> <li>• Loma Verde Park</li> <li>• SDG&amp;E Park</li> <li>• Pepper Park</li> <li>• Marina View Park</li> <li>• Chula Vista Bayfront Park</li> <li>• Bay Boulevard Park</li> <li>• Sweetwater Marsh National Wildlife Refuge</li> <li>• Pepper Park</li> <li>• Cesar Chavez Park</li> <li>• Chicano Park</li> <li>• Crosby Street Park</li> <li>• Martin Luther King Junior Promenade</li> <li>• Pantoja Park</li> <li>• San Diego River</li> <li>• Any other recreational resource the CPUC determines to be impacted by construction. If the CPUC determines another recreational resource is being impacted during peak recreational hours, SDG&amp;E shall reschedule the appropriate construction activities such that they occur outside times of peak usage (i.e., <del>weekends and holidays</del> as defined by and coordinated with the recreational facility operators).</li> </ul> |  | CPUC for review prior to construction to verify compliance and ensure minimization of disruption to peak recreational use. |  |
|     |            | L-5b |        | <b>Notify users of recreational resources.</b> During construction, SDG&E shall provide appropriate notice to all affected recreationists by doing the following:  | SDG&E shall conduct notification as defined. | SDG&E to provide the CPUC with construction notice for review to ensure minimization of disruption to                      | Prior to and during construction for all recreational resources listed in Mitigation Measure L-5a. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.7-8  
MITIGATION MONITORING PROGRAM – LAND USE AND RECREATION**

| No. | Impact | MM | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions | Monitoring Requirements and Effectiveness Criteria | Timing of Action and Location |
|-----|--------|----|--------|---|------------------------|--|-------------------------------|
|     |        |    |        | <ul style="list-style-type: none"> <li>• Onsite notification of recreational access closures at least thirty days in advance, through the posting of signs and/or other notices at all public entrances and/or other areas of high visibility (i.e., visitors' center, clubhouse, etc.)</li> <li>• Public notification through community newspapers and bulletins.</li> </ul> <p>Documentation of such notification shall be submitted to the CPUC.</p> |                        | recreational resources.                            |                               |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.8-6  
MITIGATION MONITORING PROGRAM – NOISE**

| No. | Impact   | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation Actions   | Monitoring Requirements<br>and Effectiveness Criteria   | Timing of Action and Location                        |
|-----|--|------|--------|--|--|---|--|
| N-1 | Construction activities would temporarily increase local noise levels. | N-1a |        | SDG&E shall conduct construction activities between 7:00 AM and 7:00 PM (Monday through Saturday), or for a shorter period if so stipulated in the relevant local (City or County) noise ordinance. Exceptions shall apply only where nighttime and weekend construction activities are necessary to mitigate for traffic impacts or as required by the ISO or other system outage requirements (see Mitigation Measures T-1a, T-1b and T-9b).   | SDG&E to restrict construction activities as defined and incorporate measure into construction contract. | CPUC to ensure that restrictions have been incorporated into construction contracts. CPUC to inspect periodically for evidence of successful compliance with local noise ordinances.                                    | During construction for all work areas.              |
|     |  | N-1b |        | Provide advance notice of construction. SDG&E or its construction contractor shall provide advance notice, between two and four weeks prior to construction, by mail to all sensitive receptors and residences within 300 feet of construction sites, staging areas, and access roads. The announcement shall state specifically where and when construction will occur in the area. <del>If construction delays of more than seven days occur, an additional notice shall be made, either in person or by mail.</del> Notices shall provide tips on reducing noise intrusion, for example, by closing windows facing the planned construction. <del>The notice shall also advise the recipient on how to inform the Applicant/contractor if specific noise or vibration sensitive activities are scheduled so that construction can be rescheduled, if necessary, to avoid a conflict.</del> SDG&E shall also publish a notice of impending construction in local newspapers, stating when and where construction will occur. Prior to public notification, copies of all notices shall be submitted to the CPUC for review and approval. | SDG&E shall conduct public notification as defined.  | SDG&E to provide CPUC with construction notices for review and approval to ensure advance notice has been given.<br><br>SDG&E to provide the CPUC with copies of notices sent out and as published in local newspapers. | Prior to construction in all work areas.             |
|     |  | N-1c |        | Provide liaison for construction nuisance complaints. SDG&E shall identify and provide a public liaison person before and during construction to respond to concerns of neighboring receptors, including   | SDG&E to provide public liaison and telephone numbers.   | SDG&E to provide bi-monthly letter report on the number of calls received and a summary of caller   | Prior to and during construction for all work areas. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.8-6  
MITIGATION MONITORING PROGRAM – NOISE**

| No. | Impact  | MM                     | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions   | Monitoring Requirements<br>and Effectiveness Criteria   | Timing of Action and Location                 |
|-----|---|------------------------|--------|---|--|---|---|
|     |   |                        |        | residents, about noise construction disturbance. Procedures for reaching the public liaison officer via telephone or in person shall be included in notices distributed to the public in accordance with Mitigation Measure N-1b. SDG&E shall also establish a toll free telephone number for receiving questions or complaints during construction and develop procedures for responding to callers. Prior to public notification, procedures included in the notices shall be submitted to the CPUC for review and approval. SDG&E shall provide to the CPUC a bi-monthly letter report on the number of calls received and a summary of caller concerns and how concerns were addressed. |  | concerns and how concerns were addressed in order to provide evidence of how complaints were resolved.  |   |
| N-2 | Vibration could cause a temporary nuisance during construction. | N1-a,<br>N-1b,<br>N-1c |        | See above for description of mitigation measure.  |  |   |   |
| N-3 | Corona noise from operation of the overhead transmission line.  |                        | APM 9  | A bundled configuration of the conductors shall be used on the 230 kV line and relocated 69 kV and 138 kV lines to limit the audible noise, radio interference, and television interference due to corona. Caution shall be exercised during construction to try to avoid scratching or nicking the conductor surface, which may provide points for corona to occur. In addition to the bundled configuration conductors, special hardware design shall also be used to limit corona potential.   | SDG&E to implement measure as defined and incorporate in construction contracts. | SDG&E to provide the CPUC documentation showing compliance with APM 9. CPUC to verify in order to ensure that operations noise impacts are minimized. | During design for overhead transmission line. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.9-7  
MITIGATION MONITORING PROGRAM – PUBLIC HEALTH AND SAFETY**

| No.   | Impact   | MM | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions   | Monitoring Requirements and Effectiveness Criteria                     | Timing of Action and Location |
|-------|--|----|--------|---|--|--|-------------------------------|
| HAZ-1 | Potential Hazardous substance spills during construction |    | 7      | Prior to construction, all SDG&E, contractor, and subcontractor project personnel shall receive training regarding the appropriate work practices necessary to effectively comply with the applicable environmental laws and regulations, including, without limitation, hazardous materials spill prevention and response measures and SWPPP BMPs.   | Plans to be submitted to CPUC and San Diego County Department of Environmental Health. SDG&E to incorporate measure into construction contracts. | SDG&E to submit evidence of training in order for the CPUC to verify.  | Prior to construction.        |
|       |  |    | 16     | Hazardous materials shall not be disposed of or released onto the ground, the underlying groundwater, or any surface water. Totally enclosed containment would be provided for all trash. All construction waste, including trash and litter, garbage, other solid waste, petroleum products and other potentially hazardous materials, would be removed to a hazardous waste facility permitted or otherwise authorized to treat, store, or dispose of such materials. SDG&E will implement its BMP 2-05 (Hazardous Materials/Waste Management) to manage and control hazardous materials and waste and will implement BMP 2-04 (Solid Waste Management) to control solid waste. | SDG&E to implement measure as defined. SDG&E to incorporate measure into construction contracts.   | SDG&E to submit construction contract in order for the CPUC to verify. | During construction.          |
|       |  |    | 33     | Hazardous materials spill kits would be maintained on-site for small spills.  | SDG&E to implement measure as defined. SDG&E to incorporate measure into construction contracts.   | SDG&E to submit construction contract in order for the CPUC to verify. | During construction.          |
|       |  |    | 32     | A hazardous substance management, handling, storage, disposal, and emergency response plan would be prepared and implemented and hazardous material spill kits would be maintained onsite for small spills. As described in APM 38, which provides for preparation of a SWPPP, BMPs will be developed to address hazardous substances and an emergency response plan.   | Plans to be submitted to CPUC and San Diego County Department of Environmental Health.   | CPUC to verify.  | Prior to construction.        |
|       |  |    | 38     | Secure any required General Permit for Storm Water  | SDG&E to implement   | SDG&E to submit  | Prior to construction.        |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.9-7  
MITIGATION MONITORING PROGRAM – PUBLIC HEALTH AND SAFETY**

| No.   | Impact  | MM     | APM #s            | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions   | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location  |
|-------|---|--------|-------------------|---|--|---|--|
|       |   |        |                   | Discharges Associated With Construction Activity (NPDES permit) authorization from the State Water Resources Control Board and/or the RWQCB to conduct construction-related activities to build the project and establish and implement a SWPPP erosion control measures during construction to minimize hydrologic impacts in areas sensitive from flooding or siltation into waterbodies.   | measure as defined.  | permits and SWPPP to the CPUC.  |  |
|       |   | HAZ-1a |                   | <b>Review of training and response plan.</b> The Environmental Training and Hazardous Substance Control and Emergency Response Plan proposed by APM 7, 16 and 32 shall be reviewed and approved by the CPUC and San Diego County Department of Environmental Health, Hazardous Materials Division..   | SDG&E to implement measure as defined.   | CPUC to verify to ensure that potential exposure of workers, the public or the environment to hazardous materials in contaminated soil and/or groundwater has been minimized. | Prior to and during construction in all work areas.  |
| HAZ-2 | Excavation could result in mobilization of existing contamination | HAZ-2a | 7, 16, 32, 33, 38 | <u>See above for description of APMs.</u><br><b>HAZ-2a</b> A Phase II Environmental Site Assessment shall be conducted prior to construction as required by the Phase I Environmental Site Assessment prepared for the project (EDR 2003) to <u>address the different types of contamination that are reasonably expected to be encountered based upon review of available agency reports, the depth of waste in the area of contamination and anticipated need to dewater in the vicinity of the contaminated site, determine if there is any surface or subsurface contamination.</u> The investigation shall include a review of current status from agency files of listed contaminated sites presented in the summary tables for the entire project alignment. This review shall include the concentration and limits of contamination, type of release, and media affected. The Phase II investigation shall include collection of samples for laboratory analysis and quantification of contaminant levels within the proposed excavation and surface disturbance areas of the project prior | Plans to be submitted to CPUC and San Diego County Department of Environmental Health; <u>and USFWS Environmental Contaminants Division;</u> SDG&E to implement Phase II and possible remediation as defined.<br><br>SDG&E to incorporate measure into construction contracts. | CPUC to verify to ensure that potential exposure of workers, the public or the environment to hazardous materials in contaminated soil and/or groundwater has been minimized. | Prior to construction in all contaminated sites as identified in <i>Appendix 5</i> to this EIR and Phase I Environmental Study prepared for the project (EDR, 2004). |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.9-7  
MITIGATION MONITORING PROGRAM – PUBLIC HEALTH AND SAFETY**

| No. | Impact | MM | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions | Monitoring Requirements and Effectiveness Criteria | Timing of Action and Location |
|-----|--------|----|--------|---|------------------------|--|-------------------------------|
|     |        |    |        | <p>to the start of construction. <u>Where applicable, the Phase II will also determine groundwater elevation, flow direction, gradient and aquifer properties to determine potential impacts to local groundwater movement/contaminant migration relating to dewatering activities and placement of subsurface components of the Project.</u> The scope of the field investigation shall be developed based on the agency file review of each listed contamination site and shall be in accordance with the standard of practice for assessment of appropriate worker protection and material handling and disposal procedures. Soil sampling and laboratory testing shall be conducted at locations along the project route, transition station site, and at substations where known contaminated sites are within 0.25 mile of the alignment or are <u>determined to pose a threat to the project based on the results of agency file review</u></p> <p><u>After a Phase II investigation has been completed and soil or groundwater contamination, if any, has been characterized and assessed, the Phase II report will identify appropriate construction protocols necessary to prevent or minimize the release of pollutants during the construction activities and identify any environmental permits that are required to implement the selected construction protocols prior to construction. In areas where Project components will be placed underground, alternative trench designs may be utilized, such as modification of trench base material to facilitate groundwater flow perpendicular to the trench; placement of trench dams/plugs to eliminate preferential pathways parallel and within the trench. Other options that may be considered include horizontal directional drilling in place of standard cut and cover trenching techniques.</u></p> <p>Results of the Phase II investigation shall be used to determine appropriate worker protection and hazardous</p> |                        |  |                               |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.9-7  
MITIGATION MONITORING PROGRAM – PUBLIC HEALTH AND SAFETY**

| No.   | Impact  | MM     | APM #s            | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation Actions   | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location   |
|-------|---|--------|-------------------|--|--|--|---|
|       |   |        |                   | <p>material handling and disposal procedures appropriate for the subject area. Areas with contaminated soil and/or groundwater determined to be hazardous waste shall be removed by personnel who have been trained through the OSHA recommended 40-hour safety program (29 CFR1910.120) with an approved plan for groundwater extractions, soil excavation, control of contaminant releases to the air, and offsite transport or onsite treatment. Results of the agency file review and Phase II investigations shall be reviewed and approved by the San Diego County's Department of Environmental Health and RWQCB prior to construction. <u>For portions of the Project located within and adjacent to the Sweetwater Marsh, the Phase II report shall also be reviewed and approved by the CDFG Environmental Contaminants Division.</u> A copy of the County Department of Environmental Health, RWQCB and CDFG approval letter must be provided to the CPUC prior to start of construction.</p> |  |  |   |
|       |   | HAZ-2b |                   | <p>During activities including the removal of hazardous materials, SDG&amp;E shall have an experienced environmental professional with 40-hour HAZWOPER training onsite. This professional shall monitor the work site for contamination and shall ensure the implementation of mitigation measures needed to ensure public health and safety including those of project construction workers and adjacent residences in accordance with State of California Health and Safety Regulations as managed by the San Diego Department of Environmental Health.</p>   | <p>SDG&amp;E to implement measures defined.<br/>SDG&amp;E to incorporate measure into construction contracts.</p>    | <p>CPUC to inspect periodically and verify list of personnel to ensure that potential exposure of workers, the public or the environment to hazardous contaminated soil and/or groundwater materials has been minimized.</p> | <p>During construction in all areas identified in Phase II assessment (see Measure HAZ-2a).</p> |
| HAZ-3 | Previously unknown soil or groundwater contamination could be encountered | HAZ-3a | 7, 16, 32, 33, 38 | <p><b>See above for description of APMS.</b></p> <p><b>Observation of soil for contamination.</b> During trenching, grading, or excavation work for the Proposed Project, the contractors shall observe the exposed soil for visual evidence of contamination. If visual contamination</p>   | <p>SDG&amp;E to implement measures as defined.<br/>SDG&amp;E to incorporate measure into construction contracts.</p> | <p>CPUC to verify to ensure that potential exposure of workers, the public or the environment to hazardous materials in</p>  | <p>All construction areas during construction.</p>  |

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**TABLE D.9-7  
MITIGATION MONITORING PROGRAM – PUBLIC HEALTH AND SAFETY**

| No.   | Impact   | MM     | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions  | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location                            |
|-------|--|--------|--------|---|---|---|--|
|       | during construction  |        |        | indicators are observed during construction, the contractor shall stop work until the material is properly characterized and appropriate measures are taken to protect human health and the environment. The contractor shall comply with local, State, and federal requirements for sampling and testing, and subsequent removal, transport, and disposal of hazardous materials. In the event contaminated groundwater is encountered, the contractor shall document the exact location of the contamination, immediately notify the CPUC monitor, and comply with all applicable regulations and permit requirements. This may include laboratory testing, treatment of contaminated groundwater, or other disposal options. A weekly report listing encounters with contaminated soils and describing actions taken shall be submitted to the CPUC. |   | contaminated soil and/or groundwater has been minimized.  |  |
| HAZ-4 | Release of hazardous materials during operation at transition station or substations | HAZ-4a | 32     | <b>See above for description of APM.</b><br><br><b>Documentation of Compliance.</b> SDG&E shall implement APMs 7, 32 and 33 at the transition station and at substations, and shall document compliance by (a) submitting to the CPUC for review and approval an outline of the proposed Environmental Training and Monitoring Program, (b) providing a list of names of all operations personnel (e.g., construction foreman and superintendents) who have completed the training program, and (c) providing a copy of the Spill Prevention, Control, and Countermeasures Plan (SPCCP) as required by Title 40 CFR Section 112.7 to the CPUC for review and approval at least 60 days before the start of operation.   | SDG&E to implement measures as defined. SDG&E to incorporate measure into construction contracts. | CPUC to review documentation provided; to verify training of all personnel and review and approve SPCCP to ensure that personnel are trained to respond to accidents or discoveries of hazardous materials. | Substation/transition station before start of operation. |
|       |  | HAZ-4b |        | No hazardous materials used by SDG&E for operations and maintenance of the proposed transition station or proposed substation equipment will be stored or disposed of onsite and their use or disposal will conform to applicable laws and regulations governing the use, management and disposal of hazardous materials.   | SDG&E to implement measures as defined.   | CPUC to review documentation provided to verify that operation and maintenance procedures ensure that no hazardous materials  | Substation/transition station before start of operation. |

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**TABLE D.9-7  
MITIGATION MONITORING PROGRAM – PUBLIC HEALTH AND SAFETY**

| No.  | Impact                             | MM                 | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions                  | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location |
|------|------------------------------------|--------------------|--------|---|---|---|-------------------------------|
|      |                                    |                    |        |   |   | will be stored at or disposed of onsite.  |                               |
| PS-1 | Radio and television interference  | PS-1a<br><br>PS-1b |        | <p><b>Limit conductor surface potential.</b> SDG&amp;E shall, prior to construction, specify and implement designs that limit the conductor surface electric gradient <u>to the extent feasible</u> in accordance with the IEEE Radio Noise Design Guide.</p> <p>Document complaints of broadcast interference. After energizing the transmission line, SDG&amp;E shall respond to and document all radio/television/equipment interference complaints received and document the responsive action taken. These records shall be made available to the CPUC for review upon request. All unresolved disputes shall be referred by SDG&amp;E to the CPUC for resolution.</p>   | SDG&E to implement measures as defined. | CPUC to review documentation to verify design has incorporated measures, and that any complaints received have been addressed by SDG&E. | Along entire corridor.        |
| PS-2 | Induced currents and shock hazards | PS-2a              |        | <p>As part of the siting and construction process for the Proposed Project, SDG&amp;E shall identify objects (such as fences, conductors, and pipelines) that have the potential for induced voltages and work with the affected parties to determine proper grounding procedures (CPUC General Order 95 and the NESC do not have specific requirements for grounding). SDG&amp;E shall install all necessary grounding measures prior to energizing the line. Thirty days prior to energizing the line, SDG&amp;E shall notify in writing, subject to the review and approval of the CPUC, all property owners within and adjacent to the Proposed Project ROW of the date the line is to be energized. The written notice shall provide a contact person and telephone number for answering questions regarding the line and guidelines on what activities should be limited or restricted within the ROW. SDG&amp;E shall respond to and document all complaints received and the responsive action taken. These records shall be made available to the CPUC for review upon request. All unresolved disputes shall be deferred by SDG&amp;E to the CPUC for resolution.</p> | SDG&E to implement measures as defined. | CPUC to review documentation to verify design has incorporated measures.  | Along entire corridor.        |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E’s adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.9-7  
MITIGATION MONITORING PROGRAM – PUBLIC HEALTH AND SAFETY**

| No.  | Impact       | MM | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions                  | Monitoring Requirements and Effectiveness Criteria | Timing of Action and Location       |
|------|--------------|----|--------|---|---|--|-------------------------------------|
|      |              |    |        | The written notice shall describe the nature and operation of the line, and the Applicant's responsibilities with respect to grounding all conducting objects. In addition, the notice shall describe the property owner's responsibilities with respect to notification for any new objects, which may require grounding and guidelines for maintaining the safety of the ROW.   |   |  |                                     |
| PS-4 | Fire hazards |    | 19     | Wildfires shall be prevented or minimized by exercising care when operating utility vehicles within the ROW and access roads and by not parking vehicles on or in close proximity to dry vegetation where hot catalytic converters can ignite a fire. In times of high fire hazard, it may be necessary for construction vehicles to carry water and shovels or fire extinguishers. Fire protective mats or shields would be used during grinding or welding to prevent or minimize the potential for fire. | SDG&E to implement measures as defined. |  | Along overhead portion of corridor. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.10-5  
MITIGATION MONITORING PROGRAM – PUBLIC SERVICES AND UTILITIES**

| No. | Impact                     | MM   | APM #s | Mitigation Measure/Applicant Proposed Measure   | Implementation Actions  | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location                                      |
|-----|----------------------------|------|--------|---|---|--|--|
| U-1 | Utility System Disruptions |      | 66     | <b>Contact Underground Service Alert.</b> Underground Service Alert would be notified a minimum of 48 hours in advance of earth-disturbing activities in order to identify buried utilities.  | SDG&E to implement measure as defined. SDG&E to incorporate measure into construction contracts.            | CPUC to verify to ensure that existing underground utilities are protected from disturbance during construction.   | Prior to construction in all work areas requiring excavation.      |
|     |                            | U-1a |        | <b>Notification of Utility Service Interruption.</b> Prior to construction in which a utility service interruption is known to be unavoidable, the Applicant shall notify members of the public affected by the planned outage by mail of the impending interruption, and shall post flyers informing the public of service interruption in neighborhoods affected by the planned outage. Copies of the notices and dates shall be provided to the CPUC at the time the notices are distributed to the public.  | SDG&E to implement measure as defined. SDG&E to incorporate measure into construction contracts.            | CPUC to verify that notices review notices prior to were provided posting to ensure that utility system disruption impacts are minimized.                                | Prior to and during construction in all work areas.                |
|     |                            | U-1b |        | <p>During project design, SDG&amp;E shall coordinate with each jurisdiction affected by the underground cable to determine the exact location for placement of the cable to avoid conflicts with planned and proposed utility projects and any relocation of existing utilities occurring within the direct vicinity of the project.</p> <p>Coordination with the following jurisdictional departments shall occur in conjunction with final design of the underground cable portion of the project:</p> <ul style="list-style-type: none"> <li>• <u>City of San Diego Water and Sewer Design Division, Engineering and Capital Projects</u></li> <li>▪ City of San Diego Development Services</li> <li>• Center City Redevelopment Corporation</li> <li>▪ <u>Unified Port of San Diego</u></li> </ul> <p>Documentation of coordinating efforts and local</p> | SDG&E to submit final design plans to the City of San Diego and City of Chula Vista for review and comment. | CPUC to verify local jurisdiction review and incorporation of comments to ensure that underground construction avoids conflicts with planned/ proposed utility projects. | Prior to construction in all areas proposed for underground cable. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E’s adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.10-5  
MITIGATION MONITORING PROGRAM – PUBLIC SERVICES AND UTILITIES**

| No. | Impact | MM   | APM #s | Mitigation Measure/Applicant Proposed Measure   | Implementation Actions  | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location   |
|-----|--------|------|--------|---|---|--|---|
|     |        |      |        | jurisdiction approval of final design plans for the underground cable portion of the project shall be provided to the CPUC prior to the start of construction activities.   |   |  |   |
|     |        | U-1c |        | <p><b>Protection of Underground Utilities.</b> Prior to construction of the underground transmission line, the Applicant shall submit to the CPUC written documentation, including evidence of review by the appropriate jurisdictions, including the following:</p> <ul style="list-style-type: none"> <li>• Construction plans designed to protect existing utilities and showing the dimensions and location of the finalized alignment;</li> <li>• Records that the Applicant provided the plans to affected jurisdiction for review, revision and final approval;</li> <li>• Evidence that the project meets all necessary local requirements;</li> <li>• Evidence of compliance with design standards;</li> <li>• Copies of any necessary permits, agreements, or condition of approval;</li> <li>• Records of any discretionary decisions made by the appropriate agencies.</li> </ul> | SDG&E to submit final design plans to the City of San Diego and City of Chula Vista for review and comment. | CPUC to verify local jurisdiction review and incorporation of comments to ensure that existing underground utilities are protected from disturbance during construction. | Prior to construction in all areas where underground cable will be installed. |
|     |        | U-1d |        | <p><b>Utilities Protection Against Corrosion.</b> SDG&amp;E shall evaluate the potential for the underground transmission line to increase corrosion on existing pipelines. If this potential is determined to exist, SDG&amp;E shall be responsible for installation of the required cathodic protection systems that would eliminate this risk. A letter documenting these consultations and their results, including concurrence by the affected jurisdiction(s) and other companies, shall be provided to the CPUC prior to the start of construction.</p>  | SDG&E to submit final design plans to the City of San Diego and City of Chula Vista for review and comment. | CPUC to verify local jurisdiction review and incorporation of comments to ensure that transmission cable does not cause corrosion in nearby existing pipes.              | Prior to construction in all areas where underground cable will be installed. |

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**TABLE D.10-5  
MITIGATION MONITORING PROGRAM – PUBLIC SERVICES AND UTILITIES**

| No. | Impact                             | MM | APM #s | Mitigation Measure/Applicant Proposed Measure   | Implementation Actions   | Monitoring Requirements and Effectiveness Criteria                    | Timing of Action and Location   |
|-----|------------------------------------|----|--------|---|--|---|---|
| U-2 | Public service system disruptions. |    | 19     | Wildfires shall be prevented or minimized by exercising care when operating utility vehicles within the ROW and access roads and by not parking vehicles on or in close proximity to dry vegetation where hot catalytic converters can ignite a fire. In times of high fire hazard, it may be necessary for construction vehicles to carry water and shovels or fire extinguishers. Fire protective mats or shields would be used during grinding or welding to prevent or minimize the potential for fire. | SDG&E to implement measure as defined. SDG&E to incorporate measure into construction contracts. | CPUC to verify in order to minimize fire hazards during construction. | During construction from Sycamore Canyon to Fanita and Miguel to South Bay Power Plant. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.12-10  
MITIGATION MONITORING PROGRAM – TRANSPORTATION AND TRAFFIC**

| No. | Impact                                     | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation Actions   | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location   |
|-----|--|------|--------|--|--|---|---|
| T-1 | Road and lane closures, emergency response | T-1a |        | <p><del>Prepare Transportation Management Plan</del><u>Traffic Control Plans</u>. Prior to the start of construction SDG&amp;E shall submit <del>Traffic Management Plans (TMPs)</del> <u>Traffic Control Plans (TCPs)</u> <del>to as required</del> by all agencies with jurisdiction of public roads that would be affected by overhead and underground construction activities as part of the required traffic encroachment permits or existing franchise agreements. <del>TMPs</del> <u>TCPs</u> shall define the locations of all roads that would need to be temporarily closed due to construction activities, including hauling of oversized loads by truck, conductor stringing activities and trenching activities. Input and approval from the responsible public agencies shall be obtained; copies of approval letters from each jurisdiction must be provided to the CPUC prior to the start of construction within that jurisdiction. The <del>TMPs</del> <u>TCPs</u> shall define the use of flag persons, warning signs, lights, barricades, cones, etc. according to standard guidelines outlined in the Caltrans Traffic Manual for Construction and Maintenance Work Zones (1996 [Revision 2] edition), the Standard Specifications for Public Works Construction, and the Work Area Traffic Control Handbook (WATCH). Documentation of the approval of these plans, consistency with SDG&amp;E's utility franchise agreements, and issuance of encroachment permits (if applicable) shall be provided to the CPUC prior to the start of construction activities that require temporary closure of a public roadway. Additionally, SDG&amp;E shall coordinate with the California Highway Patrol for crossing of all freeways and state routes identified in Table D.12-1.</p> | SDG&E to prepare TMPs as defined.  | SDG&E to provide documentation of coordination with affected public jurisdictions as stipulated in the measure and SDG&E confirmation with all required conditions to ensure traffic flows would be generally maintained without severe congestion. | Prior to and during construction for all locations where temporary road or lane closures would be required. |
|     |  | T-1b |        | <p><b>Restrict Lane Closures.</b> SDG&amp;E shall restrict all necessary lane closures or obstructions on major roadways associated with overhead or underground construction activities to off-peak periods in urbanized areas to mitigate traffic congestion and delays. Lane closures in urbanized areas must not occur between 6:00 and 9:30 a.m. and between 3:30 and 6:30 p.m., or as directed in writing by the affected public agency. Freeway closures shall be limited to weekend mornings between 5:00 AM and 10:00 AM or as directed by</p>  | SDG&E to implement measure as defined. SDG&E to incorporate measure into construction contracts. | SDG&E to provide documentation of coordination with affected public jurisdictions and confirmation with all required conditions to ensure traffic flows   | Prior to and during construction for all locations where temporary road or lane closures would be required. |

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|-----|---|------|--------|---|--|---|--|
|     |   |      |        | Caltrans. All trenching within the City of San Diego shall comply with the City's Trench Cut Ordinance and Holiday Moratorium.  |  | would be generally maintained without severe congestion.  |  |
| T-3 | Physical impacts to roads and sidewalks               | T-3a |        | <p><b>Repair Damaged Roadways.</b> If damage to roads, sidewalks, and/or medians (including irrigation systems for landscaped medians) occurs, SDG&amp;E shall coordinate repairs with the affected public agencies to ensure that any impacts are adequately repaired. Roads disturbed by construction activities or construction vehicles shall be properly restored to ensure long-term protection of road surfaces. Care shall be taken to prevent damage to roadside drainage structures. Roadside drainage structures and road drainage features (e.g., rolling dips) shall be protected by regarding and reconstructing roads to drain properly. Said measures shall be incorporated into an access agreement/easement with the applicable governing agency prior to construction.</p> <p>Underground trenching activities in roadways shall require returning the affected roadway to previous conditions pursuant to SDG&amp;E's utility franchise agreement with the City of San Diego and/or other affected jurisdictions' encroachment permits. <del>For all affected roadways that have been resurfaced within the last three years, SDG&amp;E shall repave and restripe the entire width of the street (curb to curb) for the length of the trench.</del></p> | SDG&E to implement measure as defined. SDG&E to incorporate measure into construction contracts. | SDG&E to provide documentation of coordination with affected public jurisdictions and SDG&E confirmation with all required conditions to ensure that restoration/maintenance of roads to pre-construction conditions as determined by the affected public agency. | After construction is completed on each affected roadway used to access the construction sites and roads which the transmission cable is buried. |
| T-4 | Impact of construction on transit and rail operations | T-4a |        | SDG&E shall coordinate with MTDB in preparing the Transportation Management Plans (TMPs) as recommended in Mitigation Measure T-1a. The TMP shall include the requirement to install signs to direct people to alternate transit stops locations as recommended by MTDB.  | SDG&E to implement measure as defined.   | SDG&E to provide documentation of coordination with MTDB to ensure that the project would not disrupt public transit.   | Prior to and during construction for all locations where construction activities are adjacent to transit services.                               |
| T-5 | Interfere with pedestrian/ bicycle circulation and    | T-5a |        | <b>Pedestrian and bicycle circulation and safety.</b> Where construction will result in temporary closures of sidewalks and other pedestrian facilities, SDG&E shall provide temporary pedestrian access, through detours or safe areas along the construction zone. Any affected   | SDG&E to implement measure as defined. SDG&E to incorporate measure into                         | SDG&E to provide documentation of coordination with affected public   | Prior to and during construction where closures of sidewalks and other pedestrian services are   |

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**TABLE D.12-10  
MITIGATION MONITORING PROGRAM – TRANSPORTATION AND TRAFFIC**

| No. | Impact   | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation Actions   | Monitoring Requirements and Effectiveness Criteria  | Timing of Action and Location   |
|-----|--|------|--------|--|--|---|---|
|     | safety   |      |        | pedestrian facilities and the alternative facilities or detours that shall be provided will be identified in the Traffic Management plan (TMP). Where construction activity will result in bike route or bike path closures, appropriate detours and signs shall be provided. Where trenching will affect bicycle travel on streets without bicycle facilities, requirements for plates to cover trenches will be in accordance with the permit and/or franchise requirements of the local jurisdiction. The TMPs shall be submitted to the CPUC for review and approval prior to construction.  | construction contracts.  | jurisdictions and confirmation with all required conditions to ensure that pedestrian and bicycle circulation would not be disrupted.   | expected.   |
| T-6 | Construction would interfere with emergency response | T-6a |        | <del>Ensure emergency response access.</del> SDG&E shall coordinate in advance with <del>local jurisdictions emergency service providers</del> to avoid restricting movements of emergency vehicles. Police departments, fire departments, ambulance services and paramedic services shall be notified in advance by <del>each jurisdiction SDG&amp;E</del> of the proposed locations, nature, timing and duration of any construction activities and advised of any access restrictions that could impact their effectiveness. At locations where access to nearby property is blocked, provision shall be ready at all times to accommodate emergency vehicles, such as plating over excavations, short detours, and alternate routes in conjunction with local agencies. <del>Traffic Management Control Plans (TMP) (Mitigation Measure T-1a) shall include details regarding emergency services coordination and procedures, and copies shall be provided to all relevant service providers.</del> Documentation of coordination with <del>service providers</del> <u>local jurisdictions</u> shall be provided to the CPUC prior to the start of construction. | SDG&E to implement measure as defined. SDG&E to incorporate measure into construction contracts. | SDG&E to provide documentation of coordination with affected public jurisdictions and confirmation with all required conditions to ensure that construction activities would not preclude emergency vehicle access. | Prior to and during construction for all locations where temporary road or lane closures would be required. |
| T-7 | Construction would cause a loss of parking           | T-7a |        | SDG&E shall coordinate with the lessee and/or owner of affected parking to minimize parking loss through timing restrictions that minimize potential conflicts with peak parking needs.  | SDG&E to implement measure as defined.   | SDG&E to provide documentation of coordination with affected owner to ensure that parking restrictions would be minimized.  | Prior to and during construction for all affected parking areas.  |

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**TABLE D.12-10  
MITIGATION MONITORING PROGRAM – TRANSPORTATION AND TRAFFIC**

| No. | Impact                                    | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure   | Implementation Actions                 | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location   |
|-----|---|------|--------|---|--|--|---|
|     |   | T-7b |        | SDG&E shall post signage 24 hours in advance of trenching activities along affected streets to notify residences and businesses that might be inconvenienced.   | SDG&E to implement measure as defined. | CPUC to review and approve Notice to ensure that temporary parking restrictions would be minimized and affected public notified.   | Prior to and during construction for all affected parking areas.                      |
|     |   |      | APM 59 | If suitable park and ride facilities were available in the project vicinity, construction workers would be encouraged to carpool to the job site to the extent feasible. The ability to develop an effective carpool program for the project would depend upon the proximity of carpool facilities to the job site, the geographical commute departure points of construction workers, and the extent to which carpooling would not adversely affect worker show-up time and the project's construction schedule.   | SDG&E to implement measure as defined. | CPUC to verify.  | During construction.  |
| T-8 | Conflict with planned roadway improvement | T-8a |        | <p>During project design, SDG&amp;E shall coordinate with each jurisdiction affected by the underground cable to determine the exact location for placement of the cable to allow the median in Pacific Highway to be improved to the standard contained in the NEVP and allow the footings for the proposed pedestrian bridge at Park Boulevard and Harbor Drive, as well as avoid conflicts with other projects occurring within the direct vicinity of the project and within the same time period.</p> <p>Coordination with the following jurisdictional departments shall occur in conjunction with final design of the underground cable portion of the project:</p> <ul style="list-style-type: none"> <li>• City of San Diego Development Services</li> <li>• Center City Redevelopment Corporation</li> <li>• San Diego Unified Port District</li> <li>• County of San Diego</li> <li>• U.S. Navy</li> </ul> | SDG&E to implement measure as defined. | SDG&E to provide documentation of coordination with affected public jurisdictions and confirmation with all required conditions to ensure that the project would not conflict with planned roadway improvement projects. | Prior to and during construction for underground construction within Pacific Highway. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.12-10  
MITIGATION MONITORING PROGRAM – TRANSPORTATION AND TRAFFIC**

| No. | Impact                          | MM   | APM #s | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation Actions                 | Monitoring Requirements and Effectiveness Criteria   | Timing of Action and Location   |
|-----|---------------------------------|------|--------|--|--|--|---|
|     |                                 |      |        | Documentation of coordinating efforts and local jurisdiction approval of final design plans for the underground cable portion of the project shall be provided to the CPUC prior to the start of construction activities.  |  |  |   |
| T-9 | Restricted access to properties | T-9a |        | In conjunction with Mitigation Measure L-3a, L-3c and L-3d, impacts to Land Use, SDG&E shall notify affected parties including the San Diego Convention Center Corporation, of potential obstructions to access and make provisions for alternative access. Alternative access provisions and parking will be provided by SDG&E where feasible, with guide signs to inform the public. SDG&E shall give written notification to all landowners, tenants, business operators, and residents along the ROW of the construction schedule, and shall explain the exact location and duration of the underground-related line and construction activities within each street (e.g., which lane/s will be blocked, at what times of day, and on what dates). SDG&E shall identify any potential obstructions to their access, and shall make alternative access provisions. The written notification shall include a telephone number for SDG&E's public liaison and shall encourage affected parties to discuss their concerns with SDG&E prior to the start of construction so individual problems and solutions can be identified. Alternative access provisions shall include SDG&E provided signage and alternate parking as provided and approved by local agencies, as well as open trenches to be covered with steel plates to provide maximum weight allowance for anticipated traffic. | SDG&E to implement measure as defined. | SDG&E to provide documentation of coordination with affected parties and confirmation with all required conditions to ensure access would be maintained. | Prior to and during construction for all areas where access restrictions are expected during construction of the project. |
|     |                                 | T-9b |        | SDG&E shall schedule construction so that at least one access driveway is left unblocked during all business hours or hours of use. This scheduling shall be provided by SDG&E to the landowners and tenants so they can inform residents or customers.  | SDG&E to implement measure as defined. | SDG&E to provide documentation of coordination with affected parties and confirmation with all required conditions to ensure access would be maintained. | Prior to and during construction for all areas where access restrictions are expected during construction of the project. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

**TABLE D.13-3  
MITIGATION MONITORING PROGRAM – VISUAL RESOURCES**

| No. | Impact   | MM | APM #s | Mitigation Measure/<br>Applicant Proposed Measure  | Implementation<br>Actions  | Monitoring Requirements and<br>Effectiveness Criteria   | Timing of Action and Location  |
|-----|--|----|--------|--|--|---|--|
| V-1 | Short-term visibility of construction activities and equipment |    | 3      | Project construction activities shall be designed and implemented to avoid or minimize new disturbance, erosion on manufactured slopes, and off-site degradation from accelerated sedimentation. Maintenance of cut and fill slopes created by project construction activities shall consist primarily of erosion repair. In situations where revegetation would improve the success of erosion control, planting or seeding with native hydroseed mix shall be done on slopes.  | SDG&E to implement measure as described and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to periodically verify in the field that erosion control measures have been used. Effectiveness to be measured by whether accelerated sedimentation and erosion are visually evident within ROW and adjacent areas.                    | During and following construction. Measure applies to all construction areas where physical ground disturbances would occur. This includes: <b>Miguel to Sicard Street and Fanita Junction to Sycamore Canyon</b>          |
|     |  |    | 4      | In areas where recontouring is not required, vegetation would be left in place wherever feasible and original ground contour shall be maintained to avoid excessive root damage and allow for resprouting.   | SDG&E to implement measure as described and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to verify in the field. Effectiveness criteria is visual evidence that the original vegetation is resprouting and recontouring has not occurred.   | During and following construction. Measure applies to all construction areas for the <b>Miguel to Sicard Street and Fanita Junction to Sycamore Canyon</b> portions of the project, where ground disturbances would occur. |
|     |  |    | 5      | In areas where <u>temporary</u> ground disturbance is substantial or where recontouring is required (e.g., marshaling yards, tower sites, spur roads from existing access roads), surface restoration shall occur as required by the governmental agency having jurisdiction. The method of restoration normally would consist of returning disturbed areas back to their original contour, reseeding (if required), installing cross drains for erosion control, placing water bars in the road, and filling ditches for erosion control. Erosion would be minimized on access roads and other locations primarily with water bars. The water | SDG&E to implement measure as described and incorporate commitments into construction contracts. | CPUC to ensure that commitments have been incorporated into construction contracts. CPUC to verify in the field. Effectiveness criteria is visual evidence and record that disturbed areas have been returned to pre-construction conditions, and that erosion control measures have been installed and are minimizing erosion. | During and following construction in all disturbance areas for the <b>Miguel to Sicard Street and Fanita Junction to Sycamore Canyon</b> portions of the transmission project, where recontouring has occurred.            |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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|-----|--------|----|--------|---|--|--|--|
|     |        |    |        | bars would be constructed using mounds of soil shaped to direct the flow of runoff and prevent erosion. Soil spoils created during ground disturbance or recontouring shall be disposed of only on previously disturbed areas, or used immediately to fill eroded areas. Cleared vegetation shall be hauled off-site to a permitted disposal location. To limit impact to existing vegetation, appropriately sized equipment (e.g., bulldozers, scrapers, backhoes, bucket-loaders, etc.) would be used during all ground disturbance and recontouring activities.  |  |  |  |
|     |        |    | 40     | To minimize ground disturbance and/or reduce scarring (visual contrast) of the landscape, the alignment of any new access roads (i.e., bladed road) or cross-country route (i.e., unbladed route) shall follow the landform contours in designated areas to the extent feasible, providing that such alignment does not additionally impact sensitive features (e.g., riparian area, habitat of sensitive species, cultural site). To the extent feasible, new access roads would be designed to be placed in previously disturbed areas and areas that require the least amount of grading in sensitive areas. Whenever feasible, in areas where there are existing access roads, preference shall be given to the use of new spur roads rather than linking facilities tangentially with new, continuous roads. Where it is infeasible to locate roads along contours, or in previously disturbed areas, or use spur roads to limit grading, the revegetation/seeding plans for the project would incorporate plant species in areas adjacent to access roads that are capable of | SDG&E to implement measure as described and incorporate commitments into construction contracts. | CPUC to verify through review of pre-construction plans and profiles and during construction in the field. | During and following construction in all areas where ground disturbances will occur. This measure applies to the <b>Miguel to Sicard Street and Fanita Junction to Sycamore Canyon</b> portions of the transmission project. |

Applicant Proposed Measure (APM) – As part of project design and in order to avoid certain environmental impacts, SDG&E has included design features (e.g., APMs) in the project design. The APMs are considered part of the project design, but project approval is contingent upon SDG&E's adherence to all aspects of the Proposed Project as described in this document, including project description, APM and mitigation measures (MM) proposed by the CPUC.

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|-------------|--|----|--------|---|--|---|--|
|             |  |    |        | screening the visual impacts of the roads.  |  |   |  |
| V-1,<br>V-2 | Short-term visibility of construction activities and equipment.<br><br>Long-term visual impacts – visual/aesthetic impacts from new facilities and conductors – new monopoles and overhead 230 kV conductor. |    | 41     | In areas designated as sensitive by SDG&E or the resource agencies, to the extent feasible structures and access roads would be designed to avoid sensitive and/or to reduce visual contrast. These areas of sensitive features include but are not limited to high-value wildlife habitats and cultural sites, and/or to allow conductors to clearly span the features, within limits of standard tower or pole design (also see APM 52 for avoidance of sensitive water resource features). If the sensitive features cannot be completely avoided, poles and access roads would be placed to minimize the disturbance to the extent feasible. Where it is not feasible for access roads to avoid sensitive water resource features, such as streambed crossings, such crossings would be built at right angles to the streambeds. Where such crossings cannot be made at right angles, roads constructed parallel to streambeds would be limited to a maximum length of 500 feet at any one transmission line crossing location. Such parallel roads would be constructed in a manner that minimizes potential adverse impacts on "waters of the U.S." | SDG&E to implement measure as described.   | CPUC to verify through review of pre-construction plans and profiles and during construction in the field.  | During and following construction. This measure applies to the <b>Miguel to Sicard Street and Fanita Junction to Sycamore Canyon</b> portions of the transmission project. |
| V-2,<br>V-3 | Long-term visual impacts – visual/aesthetic impacts from new facilities and conductors – new   |    | 48     | Non-specular conductors would be used to reduce visual impacts.   | SDG&E to implement measure as described and incorporate commitments into construction contracts. | CPUC to verify through review of pre-construction plans and profiles and during construction in the field. Effectiveness criteria is lack of glare on conductors during mid-day viewing conditions. | During and following construction. This measure applies to the <b>Miguel to Sicard Street and Fanita Junction to Sycamore Canyon</b> portions of the transmission project. |

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|-----|--|----|--------|---|--|--|---|
|     | monopoles and overhead 230 kV conductor<br>Long-term visual impacts – visual/aesthetic impacts from modified SDG&E bridge structures and conductors. |    |        |   |  |  |   |
| V-2 | Long-term visual impacts – visual/aesthetic impacts from new facilities and conductors – new monopoles and overhead 230 kV conductor                 |    | 49     | Dull-finish poles may be used to reduce visual impacts.   | SDG&E to implement measure as described and incorporate commitments into construction contracts. | CPUC to verify through review of pre-construction plans and profiles and during construction in the field. Effectiveness criteria is lack of reflectivity on poles.  | During and following construction. This measure applies to the <b>Miguel to Sicard Street and Fanita Junction to Sycamore Canyon</b> portions of the transmission project, including all new poles and cable transition stations/poles. |
|     |  |    | 61     | To reduce visual contrast, new pole locations would correspond with spacing of existing transmission line structures where feasible and within the limit of pole design. The normal span would be modified to correspond with existing towers where feasible, but not necessarily at every new pole location. | SDG&E to implement measure as described.   | CPUC to verify through review of pre-construction plans and profiles and during construction in the field. Effectiveness criteria is similar spacing of proposed monopoles with existing lattice towers, except in instances where terrain, sensitive resources, land uses, or other engineering constraints require different spacing or pole position. | During and following construction. This measure applies to the <b>Miguel to South Bay and Fanita Junction to Sycamore Canyon</b> portions of the transmission project, including all new poles and cable transition stations/poles.     |
|     |  |    | 62     | To reduce potential visual impacts at   | SDG&E to implement   | CPUC to verify in the field.   | During and following construction. This   |

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|-----|--------|----|--------|--|--|--|--|
|     |        |    |        | highway, canyon, and trail crossings, poles would be placed at the maximum feasible distance from the crossing within limits of pole design.   | measure as described.  | CPUC to verify through review of pre-construction plans and profiles and during construction in the field. Effectiveness criteria is placement of poles in positions that do not directly impact canyons and minimize potential visibility due to intervening distance or vegetation.  | measure applies to the <b>Miguel to Sicard Street</b> portion of the transmission project, and includes the following locations: canyons -- Long Canyon, Bonita Canyon, Rice Canyon, and Telegraph Canyon, highways – I-125, Telegraph Canyon Road, Otay Lakes Road, I-805, and I-5. |
|     |        |    | 67     | <p>Selective Tree Planting (MP 29.5 to MP 36.5). Where close-range, unobstructed views of the new poles are available at distances of less than 250 feet from public parks and residential areas, trees consistent with SDG&amp;E’s Landscape Guideline will be installed by SDG&amp;E individually or in informal groupings within the SDG&amp;E easement to partially screen views of the new structures. In consultation with the City of Chula Vista Public Works Department and/or homeowners, trees may also be installed at key locations on residential or park property.</p> <p>Plant material will be appropriate to the local landscape setting and will be consistent with SDG&amp;E and CPUC requirements for landscaping in proximity to transmission lines.</p> | SDG&E to implement measure as described and incorporate commitments into construction contracts. | CPUC to verify proposed tree planting locations through review of preconstruction plans. CPUC to verify consultation with the City of Chula Vista and homeowners through meeting notes, and review of project implementation in the field.   | During and following construction. This measure applies to the <b>Miguel to South Bay and Fanita Junction to Sycamore Canyon</b> portions of the transmission project, including all new poles and cable transition stations/poles.  |
|     |        |    | 68     | Minor adjustment to proposed pole locations (MP 29.5 to MP 36.5). Where close range, unobstructed views of the new poles are available and, where technically feasible, the proposed locations of new tubular steel poles will be adjusted slightly within the SDG&E ROW to reduce impacts on foreground views as seen from public roadways and/or park land. Adjustments to proposed pole locations will take advantage of screening provided by existing vegetation, topography, and/or  | SDG&E to implement measure as described.   | CPUC to verify through review of pre-construction plans and profiles and during construction in the field. Effectiveness criteria is placement of poles in positions that do not increase, but instead minimize, the visual impacts as documented in EIR. CPUC to verify in the field. | During and following construction. Measure applies to the Miguel to South Bay Portion of the Project, between M.P. 29.5 and 36.5.  |

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|-----|------------|------|--------|--|--|---|--|
|     |            |      |        | structures located in the immediate vicinity in order to reduce the project's effect on public sightlines. Adjustments to locations for poles #200 (near J Street), #250 (at Greg Rogers Park), and #400 (near 4th Avenue) in Chula Vista will be considered.  |  |   |  |
|     |            |      | 69     | <p>Sicard Street and Chula Vista Bayfront Transition Areas – Sicard Street - Tree planting. Broadleaf evergreen trees will be installed along the east side of the site on the inside of the fence line, parallel to Main Street to partially screen views of the transition station structures and equipment and to integrate the project with its surroundings as seen from Sicard Street and Main Street. Placement of trees will allow for clearances of overhead conductors.</p> <p>Broadleaf evergreen trees will be installed along the west side of the site or within the Harbor Drive median to partially screen views of the transition station structures, to integrate the project with its setting, and to enhance the overall appearance of the Harbor Drive streetscape (if median planting is pursued, this measure will be implemented in consultation with the City of San Diego). All plant material will be appropriate to the local landscape setting and will be consistent with SDG&amp;E and CPUC requirements for landscaping in proximity to transmission facilities.</p> <p>Chula Vista Bayfront Transition Areas - Similar measures will also be applied to the transition areas proposed west of I-5, along the Chula Vista Bayfront. These include transition stations to be located near (originally proposed) pole location 510 and the existing bridge structure 189507.</p> | SDG&E to implement measure as described and incorporate commitments into construction contracts. | CPUC to verify proposed tree planting locations through review of preconstruction plans. CPUC to verify measure implementation in the field. Effectiveness measure is that the visibility of the transition stations are partially screened by surrounding landscaping. | During and following construction. This measure applies to the Sicard Street Transition Area, and the two transition stations along the Chula Vista Bayfront, near structure numbers 510 (originally proposed pole location) and existing bridge structure 189507. |
| V-1 | Short-term | V-1a |        | <b>Reduce visibility of construction activities</b>  | SDG&E to implement   | CPUC to ensure that   | During and following construction. This  |

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|-----|---|------|--------|--|--|--|--|
|     | visibility of construction activities and equipment.  |      |        | <u>and equipment.</u> If <u>visible unobstructive views are possible</u> from nearby residences and <u>public</u> roadways, construction sites including all staging areas, material and equipment storage areas, substation facilities and transition stations, shall be visually screened with temporary screening fencing. All evidence of construction activities, including ground disturbance due to staging and storage areas, shall be removed and all disturbed areas shall be remediated to an original or improved condition upon completion of construction including replacement of any vegetation or paving removed during construction. SDG&E shall submit final construction plans demonstrating compliance with this measure to the CPUC for review and approval at least 60 days prior to the start of construction <u>or 14 days prior to the first use of each site.</u> | measure as described and incorporate commitments into construction contracts.                    | commitments have been incorporated into construction contracts. CPUC to verify in the field. Project construction sites and staging and material and equipment storage areas will be screened during construction and all construction areas will appear in their original or improved condition following construction.   | measure applies to all project construction areas.   |
| V-2 | Long-term visual impacts – visual/aesthetic impacts from new facilities and conductors – new monopoles and overhead 230 kV conductor. | V-2a |        | Reduce visual contrasts of monopoles and insulators. It is recommended that monopoles and insulators be a neutral non-reflective material and tone (grey or tan) that would be visually compatible and similar to urban design standards for light poles and/or other similar streetscape facilities. SDG&E should coordinate with the County of San Diego, or the City of Chula Vista, as applicable, in the selection of the most visually appropriate materials for the proposed facilities within their jurisdictions.   | SDG&E to implement measure as described and incorporate commitments into construction contracts. | CPUC to verify proposed pole materials through review of preconstruction plans and samples. CPUC to verify consultation with the City of Chula Vista and City of San Diego through meeting notes, and review of project implementation in the field. Effectiveness Criteria – materials are non-reflective, and are considered consistent with urban design standards by to the City of Chula Vista and San Diego. | During and following construction. Measure applies to the <b>Miguel to Sicard Street Transition Area</b> portion of the transmission line project.                                 |
|     |   | V2b  |        | Reduce long-term visual contrasts with landscape enhancements at parks and recreation areas. It is recommended that SDG&E provide landscape enhancements at  | SDG&E to implement measure as described and incorporate commitments into                         | CPUC to verify proposed landscape enhancement locations through review of preconstruction plans. CPUC  | During and following construction. Measure applies to the <b>Miguel to South Bay</b> portion of the transmission line project. Park and recreation areas to be considered include: |

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|-----|---|-----|--------|--|--|--|---|
|     |   |     |        | parks and recreation facilities that are directly impacted by the overhead 230 kV monopoles and conductors. SDG&E should coordinate with the City of Chula Vista, to determine the need for, and appropriate plant materials for mitigating the visibility and contrasts of the proposed facilities within park settings.  | construction contracts.                  | to verify consultation with the City of Chula Vista through meeting notes, and review of project implementation in the field. Effectiveness criteria is concurrence by the City of Chula Vista on the need for, placement of, and type of appropriate plant materials that would be installed.   | Bonita Long Canyon Park, Discovery Park, Sunridge Park, Sunbow Park, Greg Rogers Park, Loma Verde Park/Reinstra Ball Fields, and San Diego Gas and Electric Park, |
| V4  | Long-term visual impacts – visual/aesthetic impacts to landscape resources due to physical ground disturbances associated with project construction and operation | V4a |        | Reduce long-term landscape impacts. If, and where, the proposed OMPPA Project requires the removal of existing exotic trees or other mature trees from parks, recreation areas, or other community uses, SDG&E shall mitigated landscape impacts by moving, replacing and/or replanting trees in other suitable areas. SDG&E shall coordinate with the City of Chula Vista to determine the amount, type, and appropriate placement of landscape trees for park and recreation and community areas affected. <u>Appropriate plant material within parks and other areas of the City shall be consistent with SDG&amp;E's Landscape Guidelines.</u> SDG&E shall submit final construction plans demonstrating compliance with this measure to the CPUC for review and approval at least 60 days prior to the start of construction. | SDG&E to implement measure as described. | CPUC to verify proposed landscape enhancement locations through review of preconstruction plans. CPUC to verify consultation with the City of Chula Vista through meeting notes, and review of project implementation in the field. Effectiveness criteria is concurrence by the City of Chula Vista on the need for, placement of, and type of appropriate plant materials that would be installed. | During and following construction. Measure applies to the <b>Miguel to South Bay</b> portion of the transmission line project.                                    |

**(END OF ATTACHMENT B)**

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