

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



June 21, 2013

Ms. Mary Turley  
Project Manager  
San Diego Gas and Electric  
8315 Century Park Ct  
San Diego CA, 92123

**Subject: Notice to Proceed (NTP) – Mira Sorrento Distribution Substation Project (Application No. 11.10.015).**

Dear Ms. Turley:

San Diego Gas & Electric (SDG&E) has requested authorization from the California Public Utilities Commission (CPUC) to commence construction of the Mira Sorrento Distribution Substation Project. The covered activities under this NTP request include construction of the Mira Sorrento Distribution Substation Project as approved by the CPUC on December 27, 2012 (Decision D.12-12-017).

The Mira Sorrento Distribution Substation Project was evaluated in accordance with the California Environmental Quality Act and a Permit to Construct (PTC) was granted by the CPUC on December 27, 2012 (Decision 12-12-017). **NTP is granted by CPUC for the proposed construction activities based on the following factors:**

- The Final IS/MND prepared for the Mira Sorrento Distribution Substation Project defined required mitigation measures to be implemented prior to project construction. The relevant mitigation measures for construction activities associated with the Mira Sorrento Substation site are summarized in *Attachment A* and shall be implemented by SDG&E and its designated contractor. SDG&E's compliance with the pre-construction component for each measure is noted in the status table.
- All construction activities will be conducted within areas identified and included in the Final IS/MND for the Mira Sorrento Distribution Substation Project.

The conditions noted below shall be met by SDG&E and its contractors:

- Copies of all relevant permits, compliance plans (i.e., MMCRP, etc.), and this Notice to Proceed shall be available on-site for the duration of construction activities. Copies of permits shall be provided to the CPUC upon request.

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- All crew personnel shall be appropriately trained on environmental issues, including requirements of the MMCRP, prior to starting work. A log shall be maintained on-site with the names of all crew personnel trained and submitted to the CPUC.
- SDG&E shall comply with all applicable mitigation measures while conducting construction activities within the approved work limits associated with this Notice to Proceed.
- In accordance with MM-HAZ-1b, SDG&E shall submit a Spill Prevention, Control, and Countermeasure Plan for CPUC review and approval prior to storing hazardous materials onsite.
- In accordance with MM-HY-1, SDG&E shall consult with the San Diego Regional Water Quality Control Board (RWQCB) to determine whether an individual discharge permit is required prior to completing any dewatering activities.
- In accordance with MM-HY-2, SDG&E shall submit a dewatering plan to CPUC for review and approval prior to completing any dewatering activities.

Sincerely,

/s/ Michael Rosauer

Michael Rosauer

CPUC Environmental Project Manager

cc: *D. Hochart, Dudek*  
*K. Carwana, Dudek*  
*R. Nitka, Dudek*  
*R. Quasarano, SDG&E*

Att: *Attachment A – Mitigation Measures*

**ATTACHMENT A**  
*Mitigation Measures*

## ATTACHMENT A Mitigation Measures

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
<i>Aesthetics</i>							
Operation of the proposed project could result in long-term visual impacts.		APM-AES-1	PEA Figure 3-8: Conceptual Landscape Plan (IS/MND, Figure 4-4) provides the conceptual landscape mitigation plan for the Mira Sorrento Substation. The landscape plan would be implemented as part of the proposed project following construction of the substation components. The conceptual landscape plan would provide partial screening of views of the substation site from view locations to the west, south, and east. Landscaping would include plantings within the retaining walls and small, informal groupings of small shrubs and trees on the flatter areas created by the walls. The Conceptual Landscape Plan includes a list of recommended plant species. All suggested trees appear on the City of San Diego Street Tree Selection Guide. Drought-tolerant plants, including California native species, are suggested. Proposed project landscaping would receive regular watering during the initial two years following installation in order to ensure the establishment of the plants. All planting would be consistent with SDG&E operational requirements for landscaping in proximity to electric transmission facilities. The Mira Mesa Community Planning Group will review any changes made to the conceptual landscaping plan prior to approval.	SDG&E to implement measure as defined and incorporate commitments into construction contracts.	CPUC to verify proposed shrub and tree planting locations through review of pre-construction plans. CPUC to verify measure implementation in the field. Effectiveness measure is that the visibility of the substation is partially screened by surrounding landscaping.	During and following construction. Measure applies to landscaping installed at the Mira Sorrento Substation.	SDG&E prepared landscape plans that were approved by the City of San Diego and presented to the Mira Mesa Community Planning Group.

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
Operation of the proposed project could result in long-term visual impacts.		APM-AES-2	The color of the substation perimeter wall would be chosen to blend with the existing site features (i.e., a dull grey, light brown, or dull green) in order to minimize visual contrast with the landscape setting.	SDG&E to implement measure as defined and incorporate commitments into construction contracts.	CPUC to verify proposed color palette of substation perimeter wall through review of pre-construction plans. CPUC to verify in the field. Effectiveness criteria – wall color blends with the existing site features and is consistent with the existing landscape setting.	During and following construction. Measure applies to Mira Sorrento perimeter wall.	SDG&E provided documentation on 6.21.13 stating a “LaPaz” color will be utilized for the perimeter wall.
<i>Biological Resources</i>							
Construction of the proposed project could result in temporary and/or permanent loss of native vegetation, direct or indirect loss of listed/ sensitive plants or habitat for sensitive plants, and direct or indirect loss of listed/sensitive wildlife or habitat of sensitive wildlife.		APM-BIO-1	SDG&E will conduct activities in accordance with NCCP Operational Protocols to avoid, minimize, or mitigate impacts to biological resources. See APM-BIO-2.	SDG&E to implement NCCP Operational Protocols as defined and incorporate commitments into construction contracts.	CPUC to inspect periodically during construction to ensure SDG&E is conducting activities in accordance with NCCP Operational Protocols.	Prior to and during construction at the Mira Sorrento Substation Project site.	SDG&E provided documentation on 6.14.13 indicating commitment have been included in the contract specifications.

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
<p>Construction of the proposed project could result in direct or indirect loss of listed/sensitive plants or habitat for sensitive plants and direct or indirect loss of listed/sensitive wildlife or habitat for sensitive wildlife.</p>		APM-BIO-2	<p>In accordance with the NCCP, SDG&amp;E will conduct the following: Whenever practicable, all grading or brushing occurring within occupied CAGN habitat shall be conducted from September 1st through February 28, which is outside of the CAGN breeding season. When conducting all other project construction activities during the CAGN breeding season of March 1 through August 31 within habitat in which CAGN are known to or have a high potential to occur, the following avoidance measures shall apply: A qualified biologist will conduct a preconstruction survey for CAGN within 1 week prior to initiating project construction activities in an area. If CAGN are present but not nesting, a qualified biologist will survey for nesting CAGN approximately once per week in the vicinity of project activities for the duration of the activity in that area. If an active CAGN nest is located in the vicinity of project activities, a biologist qualified for CAGN nest monitoring will monitor the nest daily until: (1) Project activities are no longer in the vicinity of the nest, or (2) the fledglings become independent of their nest. If the CAGN nest monitor determines that the project activities are disturbing or disrupting the nesting activities, the monitor will make practicable recommendations to reduce the noise or disturbance in the vicinity. This may include recommendations such as (1) turning off vehicle engines and</p>	<p>SDG&amp;E to implement measure as defined and incorporate commitments into the construction contracts.</p>	<p>SDG&amp;E to provide survey report documentation to CPUC regarding avoidance and USFWS/ CDFW concurrence as necessary. CPUC to inspect periodically during construction in order to ensure successful avoidance if possible/or if not possible implementation of USFWS/CDFW-approved measures deemed necessary.</p>	<p>Prior to and during construction for all areas identified as having CAGN.</p>	<p>To be implemented as defined during construction.</p>

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
			<p>other equipment whenever possible to reduce noise, and (2) working in other areas until the young have fledged.</p> <p>With these avoidance and minimization measures in place, any incidental take of coastal California gnatcatcher is covered by the SDG&amp;E NCCP.</p>				
<p>Construction activities could impact rare plants species.</p>	<p>BIO-1</p>		<p>Prior to construction, SDG&amp;E shall retain a qualified biologist to conduct a focused rare plant survey for the entire proposed impact area within the project area during the time period when the special-status plant species are detectable. Locations of rare/special-status plants shall be identified and inventoried. If special-status plants are identified during surveys, then SDG&amp;E shall retain a qualified biologist to supervise construction activities within the vicinity of the special-status plant species. If impacts to special-status plant species are unavoidable, the biologists shall recommend avoidance or mitigation approaches. Alternatively, if the special-status plant species in question is a covered species within the SDG&amp;E Subregional NCCP, mitigation consistent with measures established in the NCCP shall be provided. The results of the focused plant surveys and measures outlined above that will be implemented by SDG&amp;E in the event special-status plant species are identified on site shall be provided to CPUC prior to any construction activities including clearing, staging, grading, etc.</p>	<p>SDG&amp;E to implement measure as defined.</p>	<p>CPUC to review and verify completion of rare plant survey. If rare plants are identified, CPUC to inspect periodically during construction to ensure on-site monitor presence and successful avoidance of sensitive species. Alternatively, if special-status plant in question is a covered species within the SDG&amp;E Subregional NCCP, CPUC to inspect periodically during construction to ensure SDG&amp;E is conducting activities in accordance with NCCP Operational Protocols.</p>	<p>CPUC to review survey prior to construction and if rare plants are identified and a monitor is required, CPUC to inspect site periodically during construction.</p>	<p>SDG&amp;E provided Rare Plant Survey Report on 6.14.13.</p>

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
Construction activities could impact sensitive wildlife species.	BIO-2		SDG&E shall retain qualified biologists and other qualified resource specialists, as necessary, to monitor project construction. Monitors shall be hired and trained prior to construction and shall be responsible for preconstruction surveys, work area delineations (i.e., staking, flagging, etc.), on-site monitoring, documentation of violations and compliance, coordination with construction inspectors, and post-construction documentation. The SDG&E on-site biological monitors shall prepare weekly reports during ground-disturbance activities and send them to the CPUC and the CPUC monitors. The SDG&E on-site biological monitors shall prepare a post-construction compliance report within 60 days of the end of ground-disturbance activities and send it to the CPUC. SDG&E's monitors shall be responsible for obtaining clearance from the CPUC and, if necessary, resource agencies for project modifications. All project modifications variances will be documented and none will be allowed with verbal approval only. Project modifications that are considered minor with little risk to sensitive resources by the SDG&E on-site biological monitors and the CPUC biological monitors may be approved on the site but will be documented. Project modifications that could affect sensitive resources but are required to ensure the health and safety of work crews shall also be documented.	SDG&E to implement measure as defined.	CPUC to inspect periodically during construction to ensure on-site monitor presence and successful avoidance of sensitive species. SDG&E to provide weekly reports to CPUC and CPUC monitors regarding avoidance of sensitive species. SDG&E to provide post-construction compliance report to CPUC within 60 days of end of ground-disturbing activities.	Prior to and during construction.	SDG&E provided documentation on 6.14.13 indicating qualified biological monitors have been retained by SDG&E.

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
Construction of the proposed project could impact sensitive wildlife species.	BIO-3		SDG&E shall conduct Worker Environmental Awareness Program (WEAP) training for construction crews (primarily crew and construction foremen) before construction activities begin within any of the sensitive habitat areas. The WEAP shall include a brief review of the special-status species and other sensitive resources that could occur in the proposed project area (including their habitat requirements and an identification of portions of the project site and adjacent areas where they might be found) and their legal status and protection. The program shall cover all mitigation measures; environmental permits and proposed project plans, such as best management practices (BMPs); erosion control and sediment plan; reclamation plan; and any other required plans. The designated biological monitor shall be responsible for ensuring that construction personnel adhere to the guidelines and restrictions. WEAP training sessions shall be conducted as needed for new personnel brought onto the job during the construction period. A list of all personnel who have attended the WEAP training shall be kept by the biological monitor and shall be available for CPUC review in the field at all times, and a copy shall be submitted to the CPUC. During WEAP training, construction personnel shall be informed of the importance of avoiding ground-disturbing activities outside of the designated work area.	SDG&E to implement measure as defined and incorporate commitments into construction contracts.	SDG&E to provide a copy of the worker training program for review and approval at least 30 days prior to start of construction. SDG&E to provide verification to CPUC of implementation of worker training program and compliance with measure as defined through providing sign-in sheets from each scheduled training session. All construction personnel that have been trained shall receive a sticker for their hard hat indicating they have completed environmental awareness training.	Prior to and during construction.	CPUC approved the WEAP training materials on 6.6.13.

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
Construction of the proposed project could result in the potential for wildlife to be trapped in ditches during trenching activities.	BIO-4		At the end of each workday, any open holes shall be fully covered, after they have been inspected by the on-site biologist, with steel plates or other effective coverings to prevent entrapment of wildlife species. If fully covering the excavations is impractical, ramps will be used to provide a means of escape for wildlife that enter the excavations, or open holes will be securely fenced with exclusion fencing. If common wildlife species are found in a hole, the designated biological monitor shall immediately be informed and the animal(s) shall be removed. If the animal(s) is/are a sensitive species that require(s) special handling authorization, a qualified biologist (agency-permitted or approved to handle a specific species) shall remove the animal before resumption of work in that immediate area. SDG&E shall specify this requirement in its agreements with all construction contractors.	SDG&E to implement measure as defined and incorporate commitments into construction contracts.	SDG&E to provide verification to CPUC of measure including submittal of construction contract. Survey efforts will be documented by the biologist in the daily log and reported to the CPUC at the end of each week.	Prior to and during construction.	SDG&E provided documentation on 6.14.13 indicating commitment have been included in the contract specifications.
Construction of the proposed project could impact nesting birds.	BIO-5		If construction activities including but not limited to grading or site disturbance are to occur between March 1 and September 1, a nesting bird survey shall be conducted by a qualified biologist to determine the presence of nests or nesting birds within 100 feet of the construction activities. The nesting bird surveys shall be completed no more than 72 hours prior to any construction activities. The survey will focus on special-status species known to use the area as well as other nesting birds that are protected under the MBTA. If an	SDG&E to implement measure as defined and incorporate commitments into construction contracts.	SDG&E to provide survey report documentation to CPUC regarding avoidance and CDFW concurrence as necessary.  CPUC to inspect periodically during construction in order to ensure successful	Prior to and during construction for all areas within 100 feet of construction activities.	SDG&E provided documentation on 6.14.13 indicating commitment have been included in the contract specifications.

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
			<p>active nest (defined by the presence of eggs or young) is identified, grading or site disturbance within a 100-foot buffer of the nest shall be monitored by a qualified biologist daily until project activities are no longer occurring within 100 feet of the nest or until fledglings become independent of the nest. The monitoring biologist may increase the buffer radius if he or she determines it is necessary. The monitoring biologist may decrease the buffer radius if he or she determines that the construction activities are not disturbing the nesting activities and a smaller buffer is more appropriate. The monitoring biologist shall halt construction activities if he or she determines that the construction activities are disturbing the nesting activities. The monitor shall make practicable recommendations to reduce the noise or disturbance in the vicinity of the nest. This may include recommendations such as (1) turning off vehicle engines and other equipment whenever possible to reduce noise, (2) working in other areas until the young have fledged, or (3) placing noise barriers to maintain the noise at the nest to 60 dBA leq hourly or less or to the preconstruction ambient noise level if that exceeds 60 dBA leq hourly. The on-site biologist will review and verify compliance with these nesting boundaries and will verify that the nesting effort has finished. Unrestricted construction activities can resume when no other active nests are found. Upon completion of the survey and any follow-up construction</p>		<p>avoidance if possible/or if not possible, implementation of additional mitigation shall occur.</p>		

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
			avoidance management, a report shall be prepared and submitted to the California Public Utilities Commission.				
Construction of the proposed project could impact sensitive habitat.	BIO-6		Where impacts to Diegan coastal sage scrub and native grasslands cannot be avoided, SDG&E shall restore temporarily disturbed areas to preconstruction conditions following construction and deduct credits from the SDG&E Mitigation Credits for permanent impacts to sensitive communities, as stated in the SDG&E NCCP. Where on-site 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 the resource agencies have indicated is acceptable 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 will include visual inspection of restored areas after 1 year. A second application may be made. If, after the second year, restoration is deemed unsuccessful, the USFWS and CDFW, in cooperation with SDG&E, shall determine whether the remaining loss shall be mitigated through a deduction from the SDG&E Mitigation Credits, or whether a third application would better achieve the intended purpose. The mitigation objective for impacted sensitive vegetation communities shall be restoration to	SDG&E to implement measure as defined and incorporate commitments into construction contracts.	SDG&E to provide documentation of habitat credit deductions to CPUC. CPUC to ensure that commitments have been incorporated into contract specifications. CPUC to inspect periodically to ensure that disturbed areas have been restored to pre-construction conditions. SDG&E to provide documentation to CPUC regarding revegetation status and USFWS/CDFW concurrence as necessary. Effectiveness criteria: temporarily disturbed areas are revegetated and meet identified success criteria. Permanent impacts to sensitive natural communities are mitigated through deduction of habitat	Prior to, during, and following construction. This measure applies to all areas where impacts to sensitive natural communities are unavoidable and to all areas where habitat restoration is proposed.	SDG&E provided documentation on 6.14.13 indicating commitment have been included in the contract specifications.

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
			<p>preconstruction 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. In addition, SDG&amp;E shall mitigate for permanent impacts to Diegan coastal sage scrub (all subtypes) and native grassland at a ratio of 1:1 for all permanent impacts that would result from construction activities. Evidence shall be provided to the CPUC that 0.9 acre of coastal sage scrub and 0.1 acre of native grasslands have been deducted from NCCP credits.</p>		credits.		
<i>Cultural Resources</i>							
Construction of the proposed project could affect paleontological resources.		APM-CUL-1	A qualified paleontologist shall attend preconstruction meetings, as needed, to consult with the excavation contractor concerning excavation schedules, paleontological field techniques, and safety issues. A qualified paleontologist is defined as an individual with a Master of Science or Doctor of Philosophy in paleontology or geology who is	SDG&E to provide a qualified paleontologist and incorporate monitoring requirements into construction plans.	SDG&E to provide CPUC documentation demonstrating qualifications of identified paleontologist.	Prior to and during construction.	SDG&E provided qualifications of Paleontologist to CPUC on 6.14.13.

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
			experienced with paleontological procedures and techniques, who is knowledgeable in the geology and paleontology of Southern California, and who has worked as a paleontological mitigation project supervisor in the region for at least one year. The requirements for paleontological monitoring shall be noted on the construction plans.				
Construction of the proposed project could affect paleontological resources.		APM-CUL-2	A paleontological monitor shall work under the direction of the qualified project paleontologist and shall be on site to observe excavation operations that involve the original cutting of previously undisturbed deposits with high or moderate paleontological resource sensitivity. A paleontological monitor is defined as an individual who has experience in the collection and salvage of fossil materials.	SDG&E to provide a qualified paleontologist and incorporate monitoring requirements into construction plans.	CPUC to inspect periodically during construction to ensure on-site monitor presence.	Prior to and during construction.	SDG&E provided documentation on 6.14.13 indicating commitment have been included in the contract specifications.
Construction of the proposed project could affect paleontological resources.		APM-CUL-3	In the event that fossils are encountered, the project paleontologist shall 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. The paleontologist shall contact SDG&E's cultural resource specialist and environmental project manager at the time of discovery. The paleontologist, in consultation with SDG&E's cultural resource specialist, shall determine the significance of the discovered resources. SDG&E's cultural resource specialist and environmental project manager shall concur with the evaluation procedures to be performed before construction activities are	SDG&E to provide a qualified paleontologist and incorporate monitoring requirements into construction plans.	CPUC and SDG&E monitor to ensure work is diverted/temporarily suspended upon discovery of resources to allow timely recovery of fossil remains. CPUC to review the evaluation of significance and ensure implementation of evaluation procedures. SDG&E to provide summary report of mitigation	During construction in all work areas where fossils are encountered.	To be implemented as defined during construction.

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
			<p>allowed to resume.</p> <p>Because of the potential for recovery of small fossil remains, it may be necessary to set up a screen-washing operation on site. When fossils are discovered, the paleontologist (or paleontological monitor) shall recover them along with pertinent stratigraphic data.</p> <p>Because of the potential for recovery of small fossil remains, such as isolated mammal teeth, recovery of bulk-sedimentary-matrix samples for off-site wet screening from specific strata may be necessary, as determined in the field. Fossil remains collected during monitoring and salvage shall be cleaned, repaired, sorted, cataloged, and deposited in a scientific institution with permanent paleontological collections.</p>		program to CPUC.		
Construction of the proposed project could affect undiscovered cultural resources.	CUL-1		<p>In the event that any prehistoric or historic subsurface cultural resources are discovered during ground-disturbing activities, such as chipped or ground stone, historic debris, building foundation, or human bones, all work within 50 feet of the resources shall be halted, and a qualified archaeologist shall be consulted to assess the significance of the find. If any find is determined to be significant, representatives of SDG&amp;E, California Public Utilities Commission (CPUC), and the qualified archaeologist shall meet to determine the appropriate avoidance measures or other appropriate mitigation, with the ultimate determination to be made by the CPUC. All significant cultural materials recovered shall</p>	<p>If necessary during monitoring, SDG&amp;E's archaeologist to prepare Archaeological Data Recovery Program (ADRP) and meet with and submit to CPUC for review within 2 weeks of discovery. SDG&amp;E to implement data recovery as</p>	<p>CPUC and SDG&amp;E monitor to ensure work is suspended upon discovery of resources to ensure avoidance of all significant cultural resources. CPUC to review completed ADRP. SDG&amp;E to provide summary report of mitigation program to CPUC. The qualifications of the archaeologist shall be approved by the CPUC.</p>	<p>During construction in all work areas where prehistoric or historic subsurface cultural resources are discovered during ground-disturbing activities.</p>	<p>To be implemented as defined during construction.</p>

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
			<p>be subject to scientific analysis; professional museum curation, as necessary; and a report prepared by a specialist according to current professional standards.</p> <p>In considering any suggested mitigation proposed by the consulting archaeologist to mitigate impacts to historical resources or unique archaeological resources, the CPUC and SDG&amp;E shall determine whether avoidance is necessary and feasible in light of factors such as the nature of the find, project design, costs, and other considerations. If avoidance is infeasible, other appropriate measures (e.g., data recovery) shall be instituted. Work may proceed on other parts of the project site while mitigation for historical resources or unique archaeological resources is carried out. If the CPUC, in consultation with the qualified archaeologist, determines that a significant archaeological resource is present and that the resource could be adversely affected by the proposed project, SDG&amp;E will: Redesign the project to avoid any adverse effect on the significant archaeological resource.</p> <p>If the resource is significant, implement an archaeological data recovery program (ADRP) as mitigation. If the circumstances warrant an ADRP, such a program shall be conducted. The project archaeologist and the CPUC shall meet and consult to determine the scope of the ADRP. The archaeologist shall prepare a draft ADRP that shall be submitted to the</p>	<p>specified in ADRP.</p>			

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
			<p>CPUC for review and approval. The ADRP shall identify how the proposed ADRP would preserve the significant information the archaeological resource is expected to contain. That is, the ADRP shall identify the scientific/historical research questions that are applicable to the expected resource, the data classes the resource is expected to possess, and how the expected data classes would address the applicable research questions. Data recovery, in general, should be limited to portions of the archaeological resource that could be adversely affected by the proposed project. Destructive data recovery methods shall not be applied to portions of the archaeological resources if nondestructive methods are practical.</p>				
<p>Construction of the proposed project could affect undiscovered Native American human remains.</p>	<p>CUL-2</p>		<p>If human remains are discovered, there shall be no further excavation or disturbance of the discovery 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 (NAHC) within 24 hours. The most likely descendant of the deceased Native American shall be notified by the NAHC and given the opportunity to make proper disposition of human remains. If the NAHC is unable to identify the most likely</p>	<p>SDG&amp;E to provide qualified archaeologist to monitor during ground-disturbing activities. SDG&amp;E to contact county coroner if human remains are found. Coroner to contact NAHC if appropriate.</p>	<p>CPUC and NAHC to review extraction plan if needed. CPUC and SDG&amp;E monitor to ensure work is suspended upon discovery of resources to ensure avoidance of all significant cultural resources. If avoidance is not possible upon conclusion of evaluations, data recovery research program exhausts</p>	<p>During groundbreaking activities in all construction areas.</p>	<p>To be implemented as defined during construction.</p>

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
			descendant (MLD), or if no recommendations are made by the MLD within 48 hours, human remains and any associated burial items shall be reinterred with appropriate dignity in a location not subject to further subsurface disturbance. If recommendations for a reburial location are made by SDG&E and not accepted by the MLD, the NAHC will mediate to reach agreement.		potential of site to yield further important information. The qualifications of the qualified archaeologist shall be provided to the CPUC.		
<i>Geology and Soils</i>							
Construction of the proposed project could expose people or structures to potential substantial adverse seismic effects and the proposed project would be located on unstable and expansive soils.		APM-GEO-1	SDG&E will consider the recommendations and findings of the final Geotechnical Investigation Reports prepared by Kleinfelder Inc. and the contractor's geotechnical engineer in the final design of all project components to ensure that the potential for landslides, expansive soils, and slope instability is compensated for in the final design and construction techniques. In addition, SDG&E will comply with all applicable codes and seismic standards, as appropriate, to minimize the potential for damage from a seismic event. The final project design will be reviewed and approved by a professional engineer registered in the State of California, prior to commencement of construction.	SDG&E to implement measure as defined and incorporate commitments into construction contracts. SDG&E to provide copies of geotechnical investigation reports to the CPUC prior to construction of the proposed project.	CPUC to verify incorporation of recommendations and findings on preconstruction plans (if necessary).	Prior to construction. This measure applies to all components of the proposed project.	SDG&E provided documentation on 6.14.13 indicating commitment have been included in the contract specifications.
<i>Hazards and Hazardous Materials</i>							
Construction of the proposed project could result in hazardous substance spills		APM-HAZ-1	SDG&E would prepare a project-specific Hazardous Substance Management and Emergency Response Plan during the construction period to reduce or avoid potentially hazardous materials, for the	Plans to be submitted to CPUC, County of San Diego Department of	CPUC to verify submittal of plans. CPUC to verify and ensure that potential exposure of workers,	Prior to and during construction.	SDG&E provided an Emergency Response Plan on

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
during transport, use or disposal, and construction could create a significant hazard to the public through accident conditions involving the release of hazardous material.			purposes of worker safety, protection from groundwater contamination, and proper disposal of hazardous materials.	Environmental Health (DEH), and City of San Diego Fire Department – Hazardous Materials Division.	the public, or the environment to hazardous materials in contaminated soil and/or groundwater has been minimized.		6.21.13. Hazardous substances will be handled in accordance with the SWPPP and SPCC.
Construction of the proposed project could result in hazardous substance spills during transport, use, or disposal, and construction could create a significant hazard to the public through accident conditions involving the release of hazardous material.	HAZ-1a		Prior to construction, all SDG&E, contractor, and subcontractor project personnel would receive training regarding the appropriate work practices necessary to effectively implement hazardous materials procedures and protocols and to comply with the applicable environmental laws and regulations, including, without limitation, hazardous materials spill prevention and response measures. A sign-in sheet of contractor and subcontractor project personnel who have received training shall be provided to California Public Utilities Commission on a regular basis depending on the level of construction activity.	SDG&E to conduct training program as described and incorporate measure into construction contracts. SDG&E to provide documentation of contractor and subcontractor training to the CPUC.	SDG&E to submit evidence of training in order for CPUC to verify.	Prior to construction.	To be implemented as define during construction.
Construction of the proposed project could result in hazardous substance spills during transport, use, or disposal and construction could create a significant	HAZ-1b		The hazardous substance management and emergency response plan proposed by APM-HAZ-1 shall be reviewed and approved by the California Public Utilities Commission (CPUC) and San Diego County Department of Environmental Health (DEH), Hazardous Materials Division. The plan shall meet the requirements identified in California Health and Safety Code §25503.4, §25503.5, and §25504	Plans to be submitted to CPUC and San Diego County DEH.	SDG&E to submit plans in order for CPUC and San Diego County DEH to verify.	Prior to construction.	Hazardous substances will be handled in accordance with the SWPPP and SPCC.

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
hazard to the public through accident conditions involving the release of hazardous material.			and specifically addressed for the County of San Diego in the County of San Diego DEH, Hazardous Material Division, guidance on Hazardous Materials Business Plans.				
Construction of the proposed project could result in hazardous substance spills during transport, use, or disposal, and construction could create a significant hazard to the public through accident conditions involving the release of hazardous material.	HAZ-1c		SDG&E shall prepare and submit a copy of the Spill Prevention, Control, and Countermeasure plan, as required by Title 40 CFR, Section 112.7, to the California Public Utilities Commission for review and approval at least 60 days before the start of operation of the Mira Sorrento Substation.	Plan to be submitted to CPUC and San Diego County DEH.	SDG&E to prepare plan and submit in order for CPUC and San Diego County DEH to verify.	Plan submitted 60 days prior to the start of operation of the Mira Sorrento Substation.	See NTP-1 Conditions of Approval.
Construction of the proposed project could result in significant risk of loss, injury, or death involving wildland fires.	HAZ-2		Wildfires shall be prevented or minimized by exercising care when operating utility vehicles within the right-of-way and access roads and by parking vehicles away from 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 fires 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 and incorporate compliance requirements into construction contracts.	CPUC to verify through review of preconstruction plans. CPUC to verify in the field.	Prior to and during construction.	To be implemented as defined during construction.

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
<i>Hydrology and Water Quality</i>							
Construction of the proposed project could result in a violation of water quality standards or waste discharge requirements.		HYD-1	SDG&E will prepare an SWPPP under the State General Construction Permit, and implement BMPs from the SDG&E Water Quality Construction Best Management Practices Manual in order to avoid and minimize potential impacts to water quality.	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. SDG&E to submit SWPPP to CPUC in order to verify.	Prior to and during construction. This measure applies to grading activities and substation operations.	SDG&E provided a SWPPP on 6.21.13.
Potential dewatering activities during construction of the proposed project could result in a violation of water quality standards or waste discharge requirements.	HY-1		SDG&E shall consult with the San Diego Regional Water Quality Control Board (RWQCB) to determine whether an individual discharge permit is required for dewatering all of the project areas anticipated to encounter groundwater. A copy of the permit or a waiver from the RWQCB, if required, shall be provided to the California Public Utilities Commission prior to dewatering activities.	SDG&E to implement measure as defined.	CPUC to review documentation of coordination with RWQCB. If necessary, SDG&E to provide applicable permit/waiver to CPUC to verify.	Prior to construction.	See NTP-1 Conditions of Approval.
Potential dewatering activities during construction of the proposed project could result in a violation of water quality standards or waste discharge requirements.	HY-2		SDG&E shall submit to California Public Utilities Commission prior to construction a typical dewatering drawing that shall be implemented during dewatering activities. The drawing shall include the location of pumps within secondary containment, fuel storage areas, anticipated discharge point, scour protection measures, intake hose screening, and monitoring procedures to ensure that hazardous materials spills are addressed in a timely manner and discharge hoses are frequently inspected for leaks.	SDG&E to implement measure as defined and incorporate into construction plans. Monitoring procedure to be incorporated into construction contracts.	SDG&E to provide dewatering drawing to CPUC in order to verify.	Prior to construction.	See NTP-1 Conditions of Approval.

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
<i>Noise</i>							
Construction of the proposed project could result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity.	NOI-1		SDG&E or its construction contractor shall provide advance notice, between 2 and 4 weeks prior to construction, by mail to all property owners within 300 feet of construction. The announcement shall state specifically the construction start date, anticipated completion date, and hours of construction.	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.	Notification provided prior to construction to all property owners within 300 feet of construction.	SDG&E provided documentation on 6.20.13 indicating notices had been distributed as defined in MM-NOI-1.
Construction of the proposed project could result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity.	NOI-2		SDG&E shall identify and provide a public liaison person before and during construction to respond to concerns of neighborhood receptors, including residents, about construction noise disturbance. Procedures for reaching the public liaison office via telephone or in person shall be included in notices distributed to the public in accordance with MM NOI-1. SDG&E shall also establish a toll-free telephone number for receiving questions or complaints during construction and develop procedures for responding to callers (procedures to be approved by the California Public Utilities Commission).	SDG&E to implement measure as defined.	CPUC to verify SDG&E employ of public liaison person and ensure procedures for reaching the public liaison are in place. SDG&E to provide CPUC with construction notices for review and approval to ensure advance notice has been given.	Prior to and during construction. Notification provided to CPUC prior to construction.	Public liaison process was approved by CPUC on 6.6.13.
<i>Transportation/Traffic</i>							
Construction of the proposed project could conflict with an applicable plan, ordinance, or policy regarding the performance of the	TT-1		Prior to the start of construction, SDG&E shall submit traffic management plans (TMPs) to the City of San Diego as part of the required traffic encroachment permits. Input and approval from the City shall be obtained, and copies of an approval letter from the City must be provided to the California Public Utilities	SDG&E to prepare TMPs as defined.	SDG&E to implement the measure as defined subject to the following clarifications. SDG&E will prepare Traffic Control Plans (TCPs) in accordance	Prior to construction.	SDG&E provided documentation on 6.14.13 indicating traffic management

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
circulation system, and construction activities could increase hazards due to a design feature or incompatible use.			<p>Commission (CPUC) prior to the start of construction. The TMPs shall define the use of flag persons, warning signs, lights, barricades, cones, etc., according to standard guidelines outlined in the California Department of Transportation (Caltrans) Traffic Manual for Construction and Maintenance Work Zones (Caltrans 1996), the Standard Specifications for Public Works Construction (Caltrans 2009a), and the Work Area Traffic Control Handbook (WATCH) (Caltrans 2009b). Measures identified in the TMPs to include but not be limited to:</p> <p>The proposed gates must be located and operated so there will not be traffic backed up onto Mira Sorrento Place during peak times. No lane closure will be allowed to occur on Mira Sorrento Place or Vista Sorrento Parkway during the AM and PM peak hours to minimize disruption from construction traffic. The traffic control plan shall ensure that access remains available to all private properties at all times.</p> <p>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 CPUC prior to the start of construction activities that require temporary closure of a public roadway.</p>		<p>with the requirements of the City of San Diego, which may include references to guidelines outlined in the Traffic Manuals listed. Measures identified in the TCPs will include all those defined in the mitigation measure. All TCP approval documentation from the City of San Diego will be provided to the CPUC prior to the start of construction; however, it is uncertain that the City will issue an approval letter with the approved TCPs. Regarding lane closure, The TCPs may include temporarily shifting the northbound travel lanes over to the center turn lane which would be considered to be a travel lane diversion and not a lane closure.</p>		<p>plans had been reviewed and approved by the City of San Diego.</p>

## ATTACHMENT A (Continued)

Impact	MM	APM No.	Mitigation Measure/ Applicant Proposed Measure	Implementation Actions	Monitoring Requirements and Effectiveness Criteria	Timing of Action and Location	Status
Construction of the proposed project could conflict with an applicable plan, ordinance, or policy regarding the performance of the circulation system.	TT-2		SDG&E shall stagger work shifts during the peak period of construction activity, and construction shifts shall be staggered to the degree possible, such that employee arrivals and departures from the site will avoid the project area peak hours (7:30–8:30 a.m. and 4:30–5:30 p.m.). Construction-related truck traffic shall also be scheduled to avoid travel during peak periods of traffic on the surrounding roadways.	SDG&E to implement measure as defined and incorporate commitments into construction contracts.	CPUC to verify commitments have been incorporated into construction contracts. CPUC to inspect periodically to ensure truck traffic avoids peak traffic periods on surrounding roadways.	Prior to and during construction.	SDG&E provided documentation on 6.14.13 indicating commitment have been included in the contract specifications.
Construction of the proposed project could conflict with an applicable plan, ordinance, or policy regarding the performance of the circulation system.	TT-3		Construction workers shall be encouraged to carpool to the job site to the extent feasible.	SDG&E to implement measure as defined.	CPUC to verify.	During construction.	SDG&E provided documentation on 6.14.13 indicating commitment have been included in the contract specifications.

**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.

**ATTACHMENT (Continued)**

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