SAN DIEGO GAS AND ELECTRIC

DOCUMENTATION FOR COMPLIANCE WITH THE OPINION GRANTING A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY (CPCN)

REQUEST FOR NOTICE TO PROCEED REQUEST FOR

SOUTH BAY SUBSTATION UPGRADE
SEGMENT 23 OF THE
SUNRISE POWERLINK PROJECT

FEBRUARY 2010

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Appendices

1.0 Introduction

San Diego Gas & Electric (SDG&E) proposes to construct a new electric transmission line between the existing Imperial Valley and Sycamore Canyon Substations. The Sunrise Powerlink 230-kilovolt/500-kilovolt (kV) transmission line project ("Project") will traverse approximately 120 miles between the El Centro area of Imperial County and Southwestern San Diego County, in Southern California. The Project right-of-way (ROW) is consistent with the Final Environmentally Superior Southern Route (FESSR), and related facilities, as identified in the Final Environmental Impact Report/Environmental Impact Statement (FEIR/EIS) issued October 2008 by the California Public Utilities Commission (CPUC) as the lead State agency under the California Environmental Quality Act (CEQA), and the U.S. Department of the Interior Bureau of Land Management (BLM) as the lead Federal agency under the National Environmental Policy Act (NEPA). The proposed route has been assigned mileposts (MP), which range from the Imperial Valley Substation (MP 0) to the Sycamore Canyon Substation (MP 118).

In addition to the construction of the transmission line along the ROW, SDG&E has identified the need for upgrades to substations to support the Project and to enhance the performance of SDG&E's existing transmission and distribution system. These substation upgrades will occur both along the proposed Project ROW and in areas that are not contiguous to the route. This Notice to Proceed (NTP) request addresses proposed upgrades to the South Bay Substation located at 990 Bay Boulevard West in Chula Vista, California, 91911 in San Diego County. The South Bay Substation is also known as Segment 23 and is not contiguous to the Project.

The upgrades proposed for South Bay Substation were approved by the CPUC in the certified Environmental Impact Report/Environmental Impact Statement (EIR/EIS) and are required to accommodate the overall operation of SDG&E's existing electric transmission and distribution system as well as the Project in accordance with California Independent System Operator (CAISO), State and Federal electric power system reliability criteria and voltage fluctuation concerns.

In addition, performing upgrades at the South Bay Substation in advance of the 2012 completion date of the Project will address system reliability and voltage stability concerns associated with the proposed decommissioning of the South Bay Power Plant scheduled to start at the beginning of 2010. Construction activities at the Substation are anticipated to begin early 2010 upon receipt of a Notice to Proceed and are scheduled to be completed within six months.

Proposed upgrades at the existing South Bay Substation will include the installation of one 69 kV, 50.4 MVAR shunt capacitor to provide voltage support for the SRPL in the event of a transmission line outage. All construction activities and associated equipment would be within the existing substation fence in previously disturbed areas. The new structures and equipment would be similar to those already in place at the site.

NTP Title	South Bay Substation Upgrades
2.0 Description of Site & Proposed Activities	
Segment	Segment 23
2.1 Site Location & Description	
	SDG&E proposes to construct upgrades within the existing fence line of the South Bay Substation, located at 990 Bay Boulevard West in Chula Vista, CA 91911. The substation site contained within the perimeter fence line is 7.45 acres in area and is owned by SDG&E. The substation is located in an industrial area immediately east of and adjacent to San Diego Bay. The substation is bordered by Bay Boulevard and Interstate I-5 to the east, a drainage channel (Telegraph Canyon Creek, channelized) to the north, the South Bay Power Station to the south and parking areas and San Diego Bay to the west. The substation location is provided in the aerial photograph provided as Appendix F. The South Bay Substation is a 138 kV to 69 kV switching station that connects the South Bay Power Station to the SDG&E system. The South Bay substation includes a 69 kV and a 138 kV yard with associated 138 kV and 69 kV circuit breakers, potential transformers (PTs), capacitors, and switches. There is one control house (approximately 30 feet wide by 40 feet in length) at the substation. A site plan indicating substation equipment locations and work areas within the 69-kV yard is provided in Appendix B. The substation is located on Assessor Parcel Numbers (APNs) 571-240-01. A Property Boundary Map is located in Appendix C.
2.2 Description of Project Activities	
2.2.1 Proposed Construction Activities	The scope of work at South Bay Substation includes installing a 69 kV, 50.4 MVAR shunt capacitor to provide system voltage support to the Sunrise Powerlink (SRPL) and alleviate reliability and voltage stability concerns associated with the proposed decommissioning of the South Bay Power Plant. Other associated equipment to be installed would include one 69 kV standard profile switch rack, one 69 kV circuit breaker, one 69 kV capacitor bank with associated reactors and surge arrestors, one disconnect switch, and the required protection relay panels. There will be no increase in the total acreage of the substation and no additional buildings will be constructed. All work associated with this substation upgrade will take place within the existing fence line of the existing substation. The new shunt capacitor and associated circuit breaker will be installed at the east end of the 69 kV yard at the northeast corner of the substation as indicated on the figure in Appendix B. Additional lighting will not be installed at the substation. All construction activities and associated equipment would be within the existing substation fence line on previously disturbed areas. The new structures and equipment would be similar to the respective structures and equipment already in place at the substation. A description of the proposed construction activities for the substation upgrade are as follows: • <u>Foundation Installation</u> – Excavations for foundations will take place within the previously graded substation and will consist of concrete pads and piers. Pad

<table>
<tr><th>NTP Title</th><th>South Bay Substation Upgrades</th></tr>
<tr><td></td><td>foundations will have an average thickness of 18-inches and require 12-inch excavations below surface grade. Concrete piers will be drilled to depths ranging from 5 to 28 feet, with pier diameters ranging between 2 and 8 feet. Reinforcing steel and anchor bolts are set within the excavations and the structural concrete is placed into the excavations. Forms are constructed at grade to extend the foundations above grade approximately 6 inches.
• Trench and Install Controls - Trenching for control and power conduits and trenching for ground grid will take place entirely within the substation fencing at various locations within the previously graded site (See Appendix B). The trenching for control and power conduit packages will vary in depth with a maximum depth of approximately 15 feet. The lengths of the conduit trenches also vary, but all runs will be located within the substation fencing. The conduit runs are typically encased in concrete or concrete slurry. The slurries typically fill the trenches to a depth of 1 foot below grade. The top foot of the trenching is then filled and compacted with a Class II base material. The trenching for the ground grid is approximately 18 inches deep and the ground wires are generally placed in a 20 feet wide by 20 feet long grid pattern. The excavated material is back-filled and compacted over the ground grid.
• Erect Structures and Equipment - Structures will be delivered on a trailer pulled by a semi/tractor trailer rig and assembled as much as possible while on the ground. Bolts and insulators will be attached by hand, using wrenches.
• Equipment Wiring and Testing - Equipment wiring and testing will occur near the end of each phase of construction. After each piece of equipment is erected and set in place, control wire will be pulled between the equipment and the control house. The control wire is terminated at control panels both inside the equipment and the control house. Once the terminations are complete, crews will test the equipment operation and control functions. Equipment used for this construction consists of pick up trucks to deliver small equipment, and testing vans for transporting crews and testing equipment.

As previously mentioned, these upgrades are necessary to alleviate existing concerns as well as to support the future addition of the Sunrise Powerlink line to the SDG&E system. The South Bay Substation is not directly connected to the proposed Sunrise Transmission Line.</td></tr>
<tr><td>2.2.2 Ground Disturbance</td><td>The following are estimated ground disturbance surface areas, listed by activity, to occur within the substation:

<table>
<tr><th>Substation Upgrade Activity</th><th>Disturbance Area (sf)</th></tr>
<tr><td>69 kV Capacitor Installation</td><td>2,500</td></tr>
<tr><td>Cable and Conduit Trenching</td><td>600</td></tr>
<tr><td>69 kV Circuit Breaker Installation</td><td>700</td></tr>
<tr><td>Total Disturbance (sf)</td><td>3,800</td></tr>
<tr><td>Total Disturbance (acres)</td><td>0.09</td></tr>
</table>
</td></tr>
<tr><td>2.2.3 Access</td><td>The main access to the substation is provided by existing driveways connecting to the South Bay Power Station Property from Bay Boulevard. Bay Boulevard is classified as a</td></tr>
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	Collector in the City of Chula Vista Circulation Element. Bay Boulevard is a paved, north-south two-lane road to the east of the South Bay Substation. The substation is adjacent to the west side of Bay Boulevard at the southeastern end of the San Diego Bay. Other roadways that will be utilized for access to the substation include: • L Street, adjacent to Bay Boulevard, is classified as a Class I Collector in the City of Chula Vista General Plan and is an east-west four-lane undivided road. • Industrial Boulevard, adjacent to L Street, is unclassified in the City of Chula Vista General Plan and is a north-south two-lane undivided roadway. • I-5, which has off/on ramps onto Bay Boulevard and Industrial Boulevard at the L Street exit, is an eight-lane, north-south freeway providing interregional access to all the cities from the southern San Diego County through northern California and into Oregon. The roadways are under jurisdiction of the City of Chula Vista and Caltrans. Access from these roadways to the substation will be controlled by locked gates and fencing.
2.2.4 Safety & Security	SDG&E protocols exist to ensure the safety and security of personnel, materials, and property when on-site at the substation. The measures meet California Occupational Health and Safety Administration (CALOSHA) safety requirements and include perimeter surveillance. The entire site is enclosed by a perimeter fence with a height of 8 feet. The existing fence is fitted with barbed wire on the inside. Security at the substation includes an alarm system, fencing/gates, manual vehicle access gates, lighting, alarm systems and surveillance.
2.2.5 Parking	Parking for construction personnel will occur only within the existing Substation fence line.
2.2.6 Transport of Equipment, Materials, and Personnel	It is anticipated that the employee count during construction will be 37. Personnel will travel to and from the substation site in SDG&E-owned vehicles from the SDG&E Kearny Transmission Construction and Maintenance facility (a travel distance of 17.5 miles) or from the SDG&E Miramar facility (a travel distance of 22 miles). The Kearny Transmission Construction & Maintenance facility is located at 5488 Overland Avenue in San Diego, California and the Miramar facility is located at 6875 Consolidated Way in San Diego, California. Large substation equipment and materials will be delivered to the job site via semi-tractor trailer trucks. There will be approximately 2 deliveries by semi-trailer tractor trucks over the course of 6 months. Smaller equipment and materials will be delivered from the Kearny facility or Miramar facility and transported to the substation in SDG&E vehicles or smaller flatbed trucks. The roadways near the South Bay Substation upgrades and the applicable roadway information is described above in Section 2.2.3 and presented in Table 1 below.

NTP Title	South Bay Substation Upgrades
	Table 1: South Bay Roadway Information Source: City of Chula Vista ADT = Average Daily Traffic Proposed construction activities at South Bay Substation would not require the temporary closure of any roadway and would not restrict the movements of emergency vehicles. The number of vehicle trips associated with worker commutes or equipment transportation would not result in unstable flow, fluctuations in volumes of traffic, or cause substantial drops in operating speeds on surrounding roadways. There will be no adverse affect on aviation activities. Construction activities would not disrupt bus or rail transit or impede pedestrian movements, bike trails or affect the supply of parking spaces. Construction activities would not conflict with planned transportation projects in the area and there would be no deterioration of surrounding roadway surfaces.
2.2.7 Drainage	SDG&E will implement best management practices (BMPs) under a Storm Water Management Plan being prepared for the South Bay Substation. These BMP's will control erosion of soil and storm water sediment in accordance with mitigation measure WQ-APM-4 prior to the initiation of construction activities. Surface runoff will be controlled as needed through the use of silt fencing, fiber rolls, gravel bag berms, storm drain inlet protection, tracking controls and stockpile management. All of these methods are designed to prevent and avoid sediment within surface water runoff and protect the landscape from erosion. SDG&E's Water Quality Construction Best Management Practices Manual will be referenced for BMP implementation and maintenance. A copy of this document is included in Appendix E. The site drainage will not be modified nor will the construction activities impact storm water run-off patterns based on the final engineering design. Therefore, a National Pollutant Discharge Elimination System (NPDES) storm water discharge permit for construction activities and a supporting Storm Water Pollution Prevention Plan (SWPPP) is not required because ground disturbance for this substation during construction will be less than one acre and the upgrade is more than ¼ of a mile in distance from the Project (40 CFR Sec. 122.26 (b)(14)(x)).
2.2.8 Rock Surfacing	Those areas within the Substation perimeter and upgrade areas that were not paved or covered with concrete foundations or trenches will be surfaced with a four-inch layer of untreated, ¾-inch nominal crushed run rock. The rock will be applied to the finished grade surface after all grading and below grade construction has been completed.
2.2.9 Geotechnical	The design of the proposed substation upgrades is based on historical geotechnical testing

Roadway	Jurisdiction	Classification	Existing # of Lanes	Traffic Volumes		Milepost	Transmission Line Orientation
				Year	ADT		
Local Roadways							
Bay Boulevard	City of Chula Vista	Collector	2	2005	3,300	—	Adjacent to South Bay Substation
L Street	City of Chula Vista	Collector	4	2005	20,400	—	Adjacent to South Bay Substation
Industrial Boulevard	City of Chula Vista	Collector	2	2005	7,120	—	Adjacent to South Bay Substation
I-5 (Industrial Boulevard)	Caltrans	Freeway	8	2005	170,000	—	Adjacent to South Bay Substation

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Testing	and a geotechnical engineer has determined that new geotechnical studies are not required for the following reasons: • SDG&E has implemented substation engineering standards for appropriate design measures for protection of proposed reinforcement, concrete, and metal-structural components against corrosion. • The site currently supports structures and equipment adjacent to the proposed upgrades that are appreciably more massive and exert significantly higher loadings to the soil than the new upgrades. • SDG&E is following the design values used on the existing foundation designs of structures with similar loads already existing at the substation. • Applied soil bearing pressures due to the equipment is less than 1000psf. • Equipment is not a building or building-like structure. • A geotechnical engineer will review the foundation excavation and subgrade condition prior to placing concrete foundations. Therefore, new geotechnical studies are not required for construction of proposed upgrades at the site.
2.2.10 Demobilization	Upon completion of the work, the remaining portions of South Bay Substation will be restored as close to its condition prior to the upgrade as feasible. This will include clean-up of the site, removing any unused material, and collection and proper to disposal of any wastes, trash and debris regardless of how the debris was generated.
2.3 Construction & Activity Timeline	
2.3.1 Construction Sequencing	Prior to any ground disturbing activities, erosion and sediment control measures will be installed in accordance with SDG&E storm water best management practices (BMPs) and mitigation measure WQ-APM-4. Foundations for the capacitor and circuit breaker will be laid first. Following that, trenches will be dug and control conduit will be laid between the control shelter and capacitor and circuit breaker foundation pads. The equipment will be set once the foundations are fully cured, and control cable will be pulled to the equipment. Control cable termination and testing will follow. Site restoration and stabilization will be conducted following completion of construction activities.
2.3.2 Activity Schedule	Construction of upgrades at the South Bay Substation is anticipated to begin with installation of new capacitor bank in 2010 and will be completed by December 2010.
2.4 Engineering & Construction Details	
2.4.1 Equipment and Materials	The following equipment and material are proposed for the South Bay Substation Upgrade: <u>Foundation Installation</u> 1. Drill Rig 2. Front End Loader/Back Hoe 3. Dump Trucks, Concrete Trucks, and Pick-up Trucks 4. Concrete Pumper 5. Cranes (Small and Large) 6. Foundation Materials 6.1. Rebar 6.2. Anchor Bolts

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	6.3. Hand Tools 6.4. Concrete 6.5. Wood forms **Trench and Install Conduits** 1. Front End Loader / Back Hoe 2. Dump Trucks, Concrete Trucks and Pickup Trucks 3. Concrete Pumper 4. Cranes (Small and Large) 5. Trench Materials 5.1. Prefabricated Pull Boxes 5.2. Prefabricated Hand Holes *5.3.* Concrete and Concrete Slurry 5.4. Ground Wire 5.5. Hand Tools 5.6. Lagging *5.7.* Class II Base Material (crushed stone) 5.8. Schedule 40 PVC Conduit **Erect Structures and Equipment** 1. Large Trucks 2. Large Crane 3. Semi-Trailer Truck and Pickup Trucks 4. Materials 4.1. 1-69kV disconnect 4.2. 1-69kV circuit breaker 4.3. 1-69kV 50.4MVAR capacitor bank 4.4. Associated steel structures, control cable and protective relay panels **Equipment Testing and Wiring** 1. Testing Vans 2. Pickup Trucks 3. Hand Tools and Meters 4. Wiring and Protective Relay Panels In addition, as per hazardous communication requirements, Material Safety Data Sheets will be available for any chemicals or hazardous materials to be located on site. It is anticipated that any materials brought on site will either be less than the reporting threshold required by Hazardous Materials Business Plan (HMBP) requirements or transported off-site at the end of the work day. Should there be a need to bring reportable quantities of materials on site for either temporary or permanent storage, the existing HMBP will be amended to include those additional materials. A copy of the HMBP and current Unified Program Facility Permit issued by San Diego County is available and can be provided upon request.

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3.0 Mitigation Measures	
This Section addresses the mitigation measures found in the Mitigation Monitoring, Compliance and Reporting Program (MMCRP) that have been identified as applicable to construction activities unique to the South Bay Substation. Each of those measures is identified and accompanied by a discussion as to how compliance with the mitigation measure will be achieved or an explanation as to why a mitigation measure is not applicable. A mitigation measure checklist summarizing the applicable and non-applicable mitigation measures for this portion of the project is provided in Appendix A.	
3.1 Biological Resources	A reconnaissance of the South Bay Substation to assess biological resources at proposed construction areas was conducted on November 17, 2009. Based on the site visit and file review, the South Bay Substation, located in the City of Chula Vista, California, is west of Bay Boulevard, South of Marina Parkway, and east of San Diego Bay. The South Bay Substation is within the fenced boundary of the South Bay Power Plant (SBPP). The substation property is surrounded by a high-security fence. The substation property has been graded and leveled to accommodate the substation equipment. No plant resources were observed. Mourning dove (*Zenaida macroura*), house finch (*Carpodacus mexicanus*), tracks from coyote (*Canis latrans clepticus*) and desert cottontail rabbit (*Sylvilagus audubonii)* were observed within the substation; however, the substation property does not support any plant or wildlife habitat. In general, no impacts to biological resources will occur as a result of the substation upgrade construction activities for the following reasons: • Construction activities will take place within the existing substation 69 kV and 138 kV yards that has a ground cover of crushed stone, pavement or concrete • There is no vegetation present within the fence line of the substation; therefore the yard does not provide a suitable habitat for any endangered or listed species. • Ground disturbance during construction will occur on an estimated 0.1 acre of pre-disturbed area, which will not require clearing of any vegetation. The applicable biological resource Mitigation Measures are listed in the Mitigation Measures Task list provided as **Appendix A** and includes: **B-1c: Conduct biological monitoring.** • A qualified biological monitor with the authority to issue stop work orders will be on-site during construction activities and weekly monitoring reports will be prepared. **B-7a: Cover all steep-walled trenches or excavations used during construction to prevent the entrapment of wildlife (e.g., reptiles and small mammals).** • Steep-walled trenches or excavations will be covered or fencing will be installed to prevent the entrapment of wildlife during construction. • Workers will be instructed to look under vehicles for wildlife before movement and to report mortality or injury of a listed species within 48 hours. • A qualified biological monitor will inspect any open trenches and submit monitoring reports as required by this measure. **B-8a: Conduct pre-construction surveys and monitoring for breeding birds.** • At least 10 calendar days prior to construction, a qualified biologist will conduct avian and raptor breeding surveys within the substation fence line and along the

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	perimeter of the site. Results of the surveys will be submitted to Wildlife Agencies for review and approval. • If active nests are located, a suitable buffer as defined in this measure, will be established and monitored on a weekly basis. **BIO-APM-1: Survey for sensitive plants and wildlife** • Surveys for sensitive plants and animal species will not be required prior to Substation Upgrade construction activities, as SDG&E biologists determined during the November 17, 2009 site visit that habitat for sensitive plant and animal species does not exist within the substation fence-line where construction activities will occur. **BIO-APM-2: Compliance Training** • A draft Safe Worker and Environmental Awareness Program (SWEAP) video was submitted to the CPUC on November 9, 2009 and includes appropriate work practices to effectively implement the biological resources and applicant proposed mitigation measures (APMs). This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project. **BIO-APM-3: Access roads** • Vehicle traffic will be restricted to existing access roads and disturbed substation yard areas. • No new access roads will be constructed and there are no oak trees on site; parking or driving under oak trees will not be an issue and this portion of the measure does not apply. • A speed limit of 15 mph will be observed within the substation. **BIO-APM-4: Project area limits** • Construction activities will be limited to pre-disturbed areas within the substation. There are no disturbance activities associated with construction at this site. All construction activities will take place within the existing substation which is fenced and gated. • Substation upgrade activities within the fence line will not require brush clearing, or disturbance of sensitive vegetation; therefore, habitat surveys will not be required to address new disturbance areas. • Requirements for restriction of survey vehicles and crews to existing access roads or disturbed areas are not applicable to Substation upgrade activities. • No paint or discoloring agents will be applied to rocks at the site and there is no vegetation within the fence line of the substation. **BIO-APM-5: Access roads and waters of the U.S. and California** • No roads will be constructed as part of construction activities at the site; therefore this portion of the mitigation measure does not apply. • There is no vegetation, drainage channels or stream banks within the fence line of the substation and there will be no disturbance to surrounding vegetation, drainage channels or stream banks. **BIO-APM-6: Environmental compliance** • On-site workers will comply with all applicable environmental laws and regulations, including those regulating and protecting wildlife and its habitat. • A draft SWEAP video was submitted to the CPUC on November 9, 2009 and

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	addresses compliance with environmental laws. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project. **BIO-APM-7: Littering** • The draft SWEAP video was submitted to the CPUC on November 9, 2009 and addresses the fact that no littering is allowed, including food waste, other waste or any type of debris. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project. • SDG&E will not allow littering during construction activities at the Substation. During construction and demobilization, all waste and litter will be removed from the substation regardless of how the debris was generated. **BIO-APM-8: Sensitive vegetation boundaries** • No sensitive plant populations exist within the fence line of the substation; therefore, this mitigation measure does not apply. **BIO-APM-9: Brush clearing** • There is no vegetation present within the fence line of the substation **BIO-APM-10: Wildlife and firearms** • The draft SWEAP video was submitted to the CPUC on November 9, 2009 and includes instructions that no wildlife, including rattlesnakes, may be harmed except to protect life and limb. If rattlesnakes are encountered, they will be safely removed by a biologist or staff trained in safe snake handling procedures. The SWEAP also addresses that firearms are prohibited in all project areas, except for security personnel. • This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project. **BIO-APM-11: Feeding wildlife** • The draft SWEAP video was submitted to the CPUC on November 9, 2009 and includes instructions that feeding wildlife is prohibited. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project. **BIO-APM-12: Pets** • A draft SWEAP video was submitted to the CPUC on November 9, 2009 and includes instructions that project personnel are not allowed to bring pets to any project area, minimizing harassment or killing of wildlife and prevention of introduction of animal diseases to wildlife populations. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project. **BIO-APM-13: Plant or wildlife collection** • No collection of wildlife or plant life will take place at the work site. • This SWEAP will be shown to all project personnel and no collection of wildlife or plant life will be enforced throughout all phases of the Project. **BIO-APM-14: Wildlife entrapment** • If a biological resource monitor is not qualified to remove entrapped wildlife, a recognized wildlife rescue agency (such as Project Wildlife) will be contacted to remove the wildlife and transport them safely to other suitable habitats. **BIO-APM-15: Emergency Repairs** • In the event that emergency repairs are required for unavoidable environmental damage during substation upgrade activities, SDG&E will follow all applicable

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	APMs. **BIO-APM-16: Tree trimming** • This measure is not applicable, because there are no trees or riparian areas located within the Substation fence-line. **BIO-APM-17: Access roads** • Existing access roads clear of vegetation will be used for this portion of the project; therefore, this mitigation measure does not apply. **BIO-APM-18: Sensitive features** • Based on the November 17, 2009 site reconnaissance, there are no sensitive features or endangered species or their sensitive habitat within the Substation fence-line; therefore, this measure does not apply. **BIO-APM-19: Compliance with BLM mitigation measures** • Based on the November 17, 2009 site reconnaissance, there are no sensitive features or protected species habitats within the Substation fence line or adjacent area therefore, implementation of the Endangered Species Act, Section 7 is not applicable. **BIO-APM-21: Raptor protection** • Substation Upgrade activities do not include installation of additional power line exits or new tall support structures; therefore this measure does not apply. **BIO-APM-24: Construction covers** • The draft SWEAP video was submitted to the CPUC on November 9, 2009 and includes instructions on covering construction holes overnight to prevent harm to wildlife. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project. • If excavations/trenches cannot be fully covered, and it is safe to do so, excavations will be sloped at one end to provide an exit route for small reptiles or mammals that may enter the excavation. • Trenches or open holes will be inspected prior to filling. **BIO-APM 26: Excavations** • If trenches cannot be fully covered to prevent entrapment of wildlife, and it is safe to do so, excavations will be sloped at one end to provide an exit route for small reptiles or mammals that may enter the excavation. • Trenches or open holes will be inspected prior to filling. **BIO-APM-27: Raptor nests** • No raptor nests have been observed within the Substation fence-line and no raptor nests will be removed; therefore this mitigation measure does not apply. **BIO-APM-28: Roost trees** • There are no potential bat roost trees located within the Substation fence line; therefore this mitigation measure does not apply. **BIO-APM-29: Construction lighting and traffic** • Based on the November 17, 2009 site reconnaissance, there is no sensitive habitat within the Substation fence-line and construction activities will occur only during daylight hours; therefore, this measure does not apply.
3.2 Visual Resources	The substation upgrade activities will not take place at night and will not require the installation of new permanent lighting or the use of temporary lighting. Equipment

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	installed for this upgrade will not be taller than existing structures. There is existing fencing in-place for this substation. The applicable visual resource Mitigation Measures are listed in the Mitigation Measures Task list provided as **Appendix A** and includes: **V-1a: Reduce visibility of construction activities and equipment** • Construction will be performed within existing substation fencing that provide appropriate screening; therefore, submission of final construction plans prior to construction will not be required. This mitigation measure does not apply. **V-1b: Reduce construction night lighting impacts** • Additional lighting is not proposed for the substation and Construction activities will be limited to daylight hours; therefore, a Construction Lighting Mitigation Plan will not need be submitted 90 days prior to construction. **V-7a: Reduce visual contrast associated with ancillary facilities** • Colors and textures of all upgraded construction equipment installation will match existing equipment; therefore a Surface Treatment Plan will not be required and this mitigation measure does not apply. **V-7b: Screen ancillary facilities** • Upgrades will be installed within the existing substation which has existing perimeter fencing serving as screening of the substation. There will not be additional visual impacts to nearby residences as a result of the upgrades; therefore, this mitigation measure does not apply. **VR-APM-4: Paint and discoloring agents** • The draft SWEAP video was submitted to the CPUC on November 9, 2009 and includes instructions prohibiting application of paint or permanent discoloring agents on rocks or vegetation to indicate survey or construction limits. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project.
3.3 Land Use	The applicable land use Mitigation Measures are listed in the Mitigation Measures Task list provided as **Appendix A** and includes: **L-1a: Prepare Construction Notification Plan** • A Construction Notification Plan was submitted to the CPUC on August 26, 2009 and comments were received September 15, 2009. The Construction Notification Plan is in process of revision. **LU-APM-1: Advance notice of construction** • As shown in Appendix G, the South Bay Power Station is the only tenant located within 300 feet of the South Bay Substation. The Power Station will be noticed prior to performance of upgrades at the site. • SDG&E has identified a public affairs person who will be available to address public concerns or questions. **LU-APM-4: Property access** • Construction at this site will take place inside the substation and as a result, access to adjacent properties will not be affected; therefore, this measure does not apply.

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	LU-APM-5: Irrigation canals and flood management structures • Irrigation canals and flood management structures are not present at the substation; therefore, this measure does not apply. **LU-APM-6: Limits of construction** • Environmentally sensitive areas are not located inside the substation; therefore, this measure does not apply. **LU-APM-8: General Plan updates** • Substation upgrades do not require updates to the San Diego County General Plan; therefore, this measure does not apply. **LU-APM-9: Ministerial land use permits** • No ministerial land use permits are required for the upgrade activities within the South Bay Substation; therefore, this measure does not apply.
3.4 Wilderness & Recreation	The South Bay Substation is not located in or adjacent to a recreational area, nor will construction activities in this area result in impacts to nearby recreational areas; therefore no Mitigation Measures related to Wilderness and Recreation apply.
3.5 Agricultural Resources	There are no agricultural fields located within or adjacent to the South Bay Substation; therefore Agricultural Resources Mitigation Measures are not applicable.
3.6 Cultural & Paleontological Resources	On November 17, 2009, SDG&E's Sr. Archaeologist conducted a site record and archival search review for the project area and the adjacent areas and site visit to the South Bay Substation to assess the presence of cultural resources and evaluate the potential for visual impacts to historic properties from proposed upgrade activities. Those investigations revealed the following: • The substation is near the remnants of Telegraph Canyon Creek and within a former tidelands area. • There is no vegetation and most of the surface supports racks with transformers and other substation equipment • With the exception of a segment of a historic railroad ROW located at least 500 feet away from the site, there are no cultural resource sites on or near the project parcel according to the South Coastal Information Center records search data. • The areas that will be used for the proposed improvements are graded flat and there are no indications of cultural resource sites, features or isolated finds. Accordingly, there is no potential for impacts to cultural resources or historic properties within the area of potential effects (APE) associated with substation upgrade construction activities due to the following: • Construction activities will take place within the existing substation fence line. • The property within the substation fence line is all disturbed area. • The equipment that will be installed will be similar in size to the existing equipment with no potential for impact to historic structures or features within ½ mile of the project. • There are no cultural resource sites identified on or near the project parcel according to the South Coastal Information Center records search data and the field survey completed by a professionally qualified archaeologist.

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	The applicable Cultural and Paleontological Resource Mitigation Measures are listed in the Mitigation Measures Task list provided as **Appendix A** and include: **C-1f: Train construction personnel** • The draft Safe Worker and Environmental Awareness Program (SWEAP) video was submitted to the CPUC on November 9, 2009 and includes instructions on recognition and protection of possible buried cultural resources, including reporting to monitors and stopping work. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project. **C-2a: Properly treat human remains** • A site record search review and site visit to the South Bay Substation was conducted by SDG&E's Senior Archaeologist on November 17, 2009 as described above; therefore, most of the tasks associated with this measure do not apply. However, if human remains are discovered, all work shall be diverted and the Medical Examiner will be notified in addition to the Lead Agency. **CR-APM-1: Construction contract and cultural resources** • The draft SWEAP video submitted to the CPUC on November 9, 2009 includes instructions on the protection and avoidance of cultural resources, including reporting to monitors and stopping work. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project. **CR-APM-4: Standards for the Treatment of Historic Properties** • The substation parcels do not have historical resources; therefore, this measure is not applicable. **CR-APM-5: Cultural resource guidelines** • There are no documented historical resources at the substation that will require adherence to cultural resources guidelines; therefore, this measure is not applicable. **CR-APM-12: Cultural surveys at staging areas** • Substation Upgrade activities will not require additional staging areas outside the substation yard and as a result, cultural resource surveys will not be necessary. Therefore, this measure is not applicable. **PAL-1a: Inventory and evaluate paleontological resources in the final APE.** • The Substation is in an area of potential paleontological resource discovery based on geologic formation data. **PAL-1b: Develop Paleontological Monitoring and Treatment Plan** • A monitoring and treatment plan is being developed and will be submitted for review and approval prior to commencement of ground disturbance activities. **PAL-1c: Monitor construction for paleontology.** • A qualified paleontological monitor will be present for foundation excavation work within the South Bay Substation project area. **PAL-1e: Train construction personnel** • Prior to initiation of construction or ground disturbing activities all construction personnel will be trained regarding the recognition and procedures for the discovery of paleontological resources. **GEO-APM-9: Avoid paleontological resources**

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	• The draft SWEAP video submitted to the CPUC on November 9, 2009 includes instructions on the protection and avoidance of paleontological resources, including reporting to monitors and stopping work. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project.
3.7 Noise	The applicable noise receptor Mitigation Measures are listed in the Mitigation Measures Task list provided as **Appendix A** and includes: **N-1a: Implement Best Management Practices for construction noise** • Construction activities will be conducted between the hours of 7:00 a.m. and 7:00 p.m.; therefore, a variance for night construction activities will not be required. In the event that work needs to take place outside of these hours a variance request will be submitted to the CPUC. • The nearest noise receptor is the South Bay Power Station located approximately 100 feet southwest of the substation (See Appendix G). There are no private residences or businesses located within 300-feet of construction activities. Therefore, a variance for construction will not be required for work at the site. • Installation of sound barrier walls or acoustic blankets to shield residences will not be required as there are no receptors within 200 feet of the substation. **NOI-APM-1: Public noticing for construction noise** • Public notice letters will not be required for the upgrade activities, because there are no residences and businesses within 300 feet of the substation. • SDG&E has identified a public liaison person who will be available to respond to concerns regarding construction noise. • SDG&E has established a toll free telephone hotline for the Sunrise Powerlink Project.
3.8 Transportation & Traffic	The potentially applicable transportation and traffic resource Mitigation Measures are listed in the Mitigation Measures Task list provided as **Appendix A** and includes: **T-9a: Prepare Construction Transportation Management Plan** • Construction activities will not cause lane closures, alternate traffic routing, or other adverse construction-related traffic impacts. • A Construction Transportation Management Plan will not be required or submitted. **T-APM-2a: Permits for Lane Closures** • Substation upgrade activities will take place inside the fence-line and lane closure permits on public roads will not be necessary or required. • Upgrade work in the Substation will not require detours or right-of-entry permits. **T-APM-2b: Detour Plans and Right-of-Entry permits** • Construction activities will not require detours, cause lane closures, alternate traffic routing, or other adverse construction-related traffic impacts; therefore this mitigation measure does not apply. **T-APM-4a: Coordination with emergency services** • Construction work in the Substation will not affect emergency service operations; therefore this mitigation measure does not apply. **T-APM-5a: Coordination with school districts and transit authorities** • No construction activities are planned at or in proximity to school bus stops;

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	therefore this mitigation measure does not apply.
3.9 Public Health & Safety	The applicable public health and safety Mitigation Measures are listed in the Mitigation Measures Task list provided as **Appendix A** and includes: **P-1a: Implement Environmental Monitoring Program** • An Environmental Monitoring Plan is being prepared and will be implemented during this upgrade work. An Environmental Field Representative has been designated for this site. • The draft SWEAP video submitted to the CPUC on November 9, 2009 includes implementation of the Environmental Monitoring Program, maintenance of emergency spill supplies and equipment, the proper use of hazardous materials, development of a Hazardous Communication Plan, development of applicable environmental safety plans associated with hazardous materials, assignment of an Environmental Field Representative and/or General Contractor to the Health & Safety Office for the project; proper disposal/storage of hazardous and solid wastes in accordance with federal, state, and local regulations, and environmental training regarding potential exposure. • This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project. **P-1b: Maintain emergency spill supplies and equipment** • Hazardous material spill kits will be maintained onsite and information for responding to spills is contained in the facility's SPCC Plan. • Site workers will be trained on how to comply with the existing Substation Spill Prevention Control and Countermeasure (SPCC) plan provided in Appendix H. • SDG&E personnel and contractors will respond to spills in accordance with procedures described in the General SPCC Plan Section 6.2. **HS-APM-1: Hazardous Communication Plan** • The draft SWEAP video submitted to the CPUC on November 9, 2009 includes training on hazardous materials management procedures. • This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project. • The Sunrise Powerlink Hazard Communication Plan (HazCom) is currently under development and will be submitted prior to commencement of construction. The HazCom Plan will include site specific information and the location of MSDS'. **HS-APM-2: Refueling vehicles** • Refueling will not take place at this site; therefore, this mitigation measure does not apply. **HS-APM -3: Safety plans** • All applicable plans will be developed and/or updated for this portion of the project work, including an HMBP and HazCom Plan. • The substation has an existing Spill Prevention Control and Countermeasure Plan (SPCC) which contains emergency response and spill response information and is included in Appendix H. • No new oil-filled equipment will be installed as part of the work activities at the site, so no additional containment will be required and the SPCC Plan will not

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	require and changes. • The substation site Hazardous Materials Business Plan is available and can be provided upon request. • The Sunrise Powerlink Hazard Communication Plan (HazCom) is currently under development and will be submitted prior to commencement of construction. The HazCom Plan will include site specific information and the location of MSDS'. **HS-APM-5: Investigate contaminated sites** • The Substation is not a Section 65962.5 site or known contamination site; therefore, this measure does not apply. **HS-APM-7: UXO recognition** • The draft SWEAP video submitted to the CPUC on November 9, 2009 provides training to all personnel involved in excavation regarding recognition of UXO. However, all site documentation reveals that this area was not previously used by the military and the property is not adjacent or near areas used by the military. Therefore, this mitigation measure does not apply. **HS-APM-8: Environmental field representative** • SDG&E will assign Environmental Field Representative and/or General Contractor assigned Health & Safety Officer to the project. **HS-APM-9: FAA** • There are no airports within two miles of the substation; therefore, this measure does not apply. **HS-APM-10: Hazardous and solid waste disposal** • It is not anticipated that hazardous waste will be generated during construction at South Bay; however, if hazardous wastes are generated they will be properly disposed of and stored. • Solid waste will be managed and disposed in accordance with all applicable federal and state regulations. • Hazardous material minimization shall be employed whenever possible. **HS-APM-11: Fire Prevention and Response Plan** • The Fire Plan, signed by the CAL Fire Chief, was submitted to the CPUC on December 14, 2009 and approved on February 2, 2010 and a project Fire Marshal has been assigned to enforce all provisions of the plan. **HS-APM-12: Traffic Control Plan** • Construction activities will not cause lane closures, alternate traffic routing, or other adverse construction-related traffic impacts; therefore, a Traffic Control Plan will not be required or submitted. **HS-APM-14: Environmental training** • A draft SWEAP video was submitted to the CPUC on November 9, 2009 and provides environmental training to construction workers regarding potential exposure. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project. **HS-APM-15: Soil and groundwater contamination** • There is no known environmental contamination at the site. If, during excavation (trenching), soil or groundwater contamination is suspected, site workers will be directed to stop work and notify the Environmental Field Representative or a

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	Field Safety Advisor. **HS-APM-16: Contaminated soil and groundwater testing** • There is no known environmental contamination at the site. If, during excavation (trenching), soil or groundwater contamination is suspected, work near the immediate excavation will be terminated and appropriate health and safety procedures implemented. • An OSHA-trained person will be designated to conduct sample collection or investigation activities, if needed. **HS-APM-17: Contamination notification** • If excavation (trenching) activities at the site reveal suspected contamination, an OSHA-trained person will be designated to conduct sample collection or investigation activities, if needed. • Work will proceed if environmental impacts are not detected in soil and/or groundwater samples above state regulatory limits. **PS-1a: Limit the conductor surface electric gradient** • Substation upgrades will not require changes in existing conductor surface gradients that could affect radio reception; therefore, this mitigation measure does not apply. **PS-2a: Implement grounding measures** • The substation is properly grounded; therefore, this mitigation measure does not apply.
3.10 Air Quality	The applicable air quality Mitigation Measures are listed in the Mitigation Measures Task list provided as **Appendix A** and include: **AQ-1a: Suppress dust at all work or staging areas and on public roads** • A Dust Control Plan was approved by the CPUC on January 20, 2010.The Dust Control Plan measures will be implemented during upgrade activities at the San Luis Rey Substation. • Vegetative ground cover will not be required to be planted following construction at this site. **AQ-1b: Use low-emission construction equipment.** • Vehicles and equipment will be properly maintained and SDG&E will use available Tier 3 equipment minimizing the use of Tier 2 equipment. **AQ-1h: Obtain NOx and particulate matter emission offsets.** • The Construction Emissions Monitoring Plan was approved by the CPUC on February 1, 2010. **AQ-4a: Offset construction-phase greenhouse gas emissions with carbon credits** • Documentation for Offset Construction-Phase Greenhouse Gas Emissions with Carbon Credits was submitted to the CPUC on August 27, 2009. Quarterly reports will be provided as required. **AQ-4b: Offset operation-phase greenhouse gas emissions with carbon credits** • A GHG Carbon Credits purchase proposal was approved by the CPUC November 9, 2009. SDG&E is in process of purchasing credits. A complete GHG inventory will be developed and annual reports will be submitted as required. **AQ-4c: Avoid sulfur hexafluoride emissions**

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	• SDG&E has an established SF6 monitoring program within their Substation Construction and Maintenance group. SDG&E conducts EPA Annual Mass Balance Reporting. • Records of SF6 purchases will be maintained by SDG&E's Substation Construction and Maintenance group and estimates of any greenhouse gas emissions will be added to inventories developed by SDG&E. • SDG&E's SF6 monitoring program was submitted to the CPUC on January 19, 2010. **AQ-APM-2: Construction BMPs to minimize dust** • The Dust Control Plan was approved by the CPUC on January 20, 2010. **AQ-APM-3: Minimize dust and mud tracking** • The Dust Control Plan was approved by the CPUC on January 20, 2010. • In accordance with SDG&E Water Quality BMP 1-07, tracking of mud and dust onto paved roads will be limited by installing a stabilized construction entrance or tracking controls at the Substation entrance. **AQ-APM-4: Carpooling to job sites** • SDG&E employees will assemble at the SDG&E Kearny or Miramar facilities and car pool to the Substation, unless workers have residences nearby the Substation. • A draft SWEAP training video was submitted to the CPUC November 9, 2009 which encourages carpooling. **AQ-APM-5: Vehicle idling time** • A draft SWEAP training video was submitted to the CPUC November 9, 2009 which addressed vehicle idling.
3.11 Hydrology & Water Resources	The substation upgrade will have a limited scope of construction activities taking place within the substation, on developed property, and will not impact riparian/wetland vegetation, drainage channels, water courses, streambeds, intermittent and perennial stream banks, surface waters nor floodplains. The potentially applicable hydrology and water resource Mitigation Measures are listed in the Mitigation Measures Task list provided as **Appendix A** and include: **H-2d: Maintain vehicles and equipment** • Equipment used for the South Bay Substation Upgrade is maintained at the SDG&E Kearny Transmission Construction & Maintenance facility or the Miramar facility. Vehicle maintenance logs will be maintained at either of these facilities and submitted to CPUC on a monthly basis while construction activities are ongoing at the site. **H-4b: Avoid blasting where damage to groundwater wells or springs could occur** • Blasting will not be required for the substation upgrades, therefore this mitigation measure does not apply. **H-7a: Develop Hazardous Substance Control and Emergency Response Plan for project operation** • The existing substation Spill Prevention Control and Countermeasure (SPCC) plan contains emergency response information to assure quick and safe clean-up of

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	spills as required to address hazardous substance control and emergency response. The SPCC Plan can be found in Appendix H. The SPCC Plan will not be required to be updated because none of the substation upgrade equipment contain oil over 55-gallons. **WQ-APM-1: Minimize disturbance to water resources** • Substation upgrades will not cause disturbance to water resources; therefore this mitigation measure does not apply. **WQ-APM-2: Placement of structures** • There are no sensitive water features inside the substation; therefore, this measure does not apply. **WQ-APM-3: Protect water resources** • There are no sensitive water resources within the substation fence line; therefore, this measure does not apply. **WQ-APM-4: Erosion control** • There are no stream beds or riparian areas located at the substation and as a result, stream crossings will not be required for this project. • A National Discharge Pollution Elimination System (NPDES) storm water discharge permit for construction activities and a supporting Storm Water Pollution Prevention Plan (SWPPP) is not required for the substation upgrade (see "Drainage" Section 2.2.7). • SDG&E will implement best management practices (BMPs) under a Storm Water Management Plan being prepared for the South Bay Substation. Installation of BMP's prior to construction activities will control erosion of soil and prevent storm water sediment, such as silt fencing or straw bales. BMP's will also be maintained during construction activities. **WQ-APM-5: Stream crossings** • There are no stream beds or riparian areas located within the fence line of the substation; therefore, this mitigation measure does not apply. **WQ-APM-6: Water Supplies** • Designated surface water protection areas located near the substation will be avoided and there will be no diversion, detention or retention of surface water. • There are no water supply wells located near or on the site, as shown in Appendix D. **WQ-APM-8: Water Discharge** • Discharge of groundwater and dewatering will not be required during construction; therefore, this mitigation measure does not apply. **WQ-APM-9: Fuel and hazardous material storage** • There are no wells within the substation fence line or within 400 feet, as shown in Appendix D; therefore, this mitigation measure does not apply. **WQ-APM-10: Minimize stream bank erosion** • There are no stream banks in or surrounding the Substation therefore, this measure does not apply. **WQ-APM-13: Hazardous waste disposal** • A draft SWEAP was submitted to the CPUC Nov. 9, 2009 that includes training on applicable hazardous and solid waste management procedures.

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	• This SWEAP video will be shown to all project personnel and enforced throughout all phases of the Project. **WQ-APM-14: NPDES permit** • A NPDES storm water discharge permit for construction activities and a supporting SWPPP is not required for the substation upgrade – see Section 2.2.7. Although a SWPPP is not required for the substation upgrade project, in accordance with WQ-APM-4 storm water BMPs (silt fence, sediment traps, etc) will be implemented prior to start of construction and maintained during construction activities. **WQ-APM-15: Construction access routes** • Construction access will be provided by existing paved roads leading to the Substation and no new construction access roads will be required. **WQ-APM-16: Sensitive water resources** • There are no wetlands or waters of the State located inside the Substation; therefore, this measure does not apply.
3.12 Geology, Mineral Resources, & Soils	The applicable geology, mineral resources and soils Mitigation Measures are listed in the Mitigation Measures Task list provided as **Appendix A** and include: **G-3a: Conduct geotechnical studies for soils to assess characteristics and aid in appropriate foundation design** • Based on the explanation provided in the Geotechnical Testing portion of Section 2.2.9 of this document, geotechnical studies are not required for construction of proposed upgrades at the site and this mitigation measure does not apply. **GEO-APM-1: Existing Access Roads** • No new access roads will be required for the Substation Upgrades; therefore this mitigation measure does not apply. **GEO-APM-2: Minimize soil disturbance** • There are no geologic resources, agricultural soils, or mineral resources at the existing substation. The substation ground surface is paved, covered with equipment footings or crushed stone. Therefore this mitigation measure does not apply. **GEO-APM-3: Structure location and shrink/swell** • There are no areas of high shrink/swell potential or unstable soils located at the Substation. Therefore this mitigation measure does not apply. **GEO-APM-4: Structure location and soil stability** • Steel structures supporting equipment will be installed within the existing substation on previously prepared soil substrate. Based on the explanation provided in the Geotechnical Testing portion of Section 2.2.9 of this document, soil stability is not an issue for construction of proposed upgrades at the site and this mitigation measure does not apply. **GEO-APM-5: Erosion control** • The existing Substation is located on level graded or paved ground and upgrade activities will not disturb manufactured slopes or result off-site degradation from accelerated sedimentation; therefore, erosion control is not required and this mitigation measure does not apply. **GEO-APM-6: Surface restoration**

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	• There are no vegetated or previously undisturbed areas at the Substation that could be impacted by the Substation Upgrade; therefore this measure is not applicable. **GEO-APM-8: Avoid risk of landslide damage** • There are no steep slopes with boulders within the Substation; therefore, this measure does not apply.
3.13 Socioeconomics	The applicable socioeconomics resource Mitigation Measures are listed in the Mitigation Measures Task list provided as **Appendix A** and include: **S-3a: Recycle construction waste** • The anticipated construction waste from the South Bay Substation upgrade will be handled as follows: o Soil will be tested by SDG&E's Environmental Laboratory. Results of lab testing will determine the appropriate landfill for soil disposal. o Concrete and asphalt debris will be sent to a construction debris recycling center. o Any wire or metal waste will be recycled through SDG&E recycling contractors. • Following the completion of construction activities, SDG&E will provide the CPUC and BLM with documentation from the above sources utilized as needed for recycling and landfill facilities. SDG&E will recycle a minimum of 90 percent of inerts and 70 percent of all other materials in San Diego County. **S3-b: Use reclaimed water** • Water usage at the South Bay Substation will be minimal totaling approximately 500 gallons. Water will be used mainly for dust control of small stockpiles from trenching and excavation, to moisten the foundation excavation prior to placement of concrete, and to moisture condition soil backfill into trenches and against the poured foundations. Due to the small amount of water needed for work at the site, it is not practical to use reclaimed water for this portion of the project. Accordingly, water will be provided by municipal sources either by an existing water spigot or irrigation system on site or brought on site via a small water wagon. The water wagon would be filled from either a permitted, metered hydrant or from a source within the contractor's yard. **PSU-AMP-1: Coordination with utility providers** • There are no utilities within the fence line of the substation; therefore, this measure does not apply. **PSU-AMP-2: Underground Service Alert** • There are no buried utilities at the substation that would require an Underground Service Alert; therefore, this measure does not apply. **PSU-AMP-3: Coordination with emergency services** • There are will be no lane closures or other activities associated with construction at the substation that will interfere with emergency and police services response times or access.
3.14 Fire & Fuels Management	The applicable fire and fuels management Mitigation Measures are listed in the Mitigation Measures Task list provided as **Appendix A** and include:

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	F1-a: Develop and Implement a Construction Fire Prevention Plan • A Fire Plan was submitted to the CPUC on 12/14/2009 and approved on February 2, 2010.