



Linda Collins
Environmental Compliance Lead
8315 Century Park Court, CP21E
San Diego, CA 92123
(T) 858-650-4064
(F) 619-987-2437

October 19, 2010

Ms. Billie Blanchard
Project Manager
California Public Utilities Commission
505 Van Ness Avenue, 4th Floor
San Francisco, CA 94102

Re: Notice to Proceed (NTP) Request to Construct Link 3 of the Sunrise Powerlink Project

Dear Ms. Blanchard:

On December 18, 2008, the California Public Utilities Commission (CPUC) approved the Final Environmentally Superior Southern Route (Decision D.08-12-058) to construct the Sunrise Powerlink Project (Project). The decision grants San Diego Gas & Electric Company (SDG&E) a Certificate of Public Convenience and Necessity (CPCN) and conditionally authorizes construction of the Project with the implementation of preconstruction mitigation measures. A Notice of Determination was submitted to the State Clearinghouse on December 18, 2008.

As previously discussed with the CPUC, SDG&E intends to construct the Project in Links and Segments to coincide with environmental restrictions, preconstruction mitigation measure implementation scheduling, and planned outages.

SDG&E is formally requesting authorization from the CPUC to begin construction of Link 3, which includes the Suncrest Substation, Wilson Construction Yard, and associated access road (Bell Bluff Truck Trail [BBTT]). The substation site and yard are located south of BBTT approximately 2.8 miles west of Japatul Valley Road, southwest of the U.S. Interstate 8 and Japatul Valley Road intersection, and east of the City of Alpine, California in San Diego County. The substation, yard, and access road are located entirely on private land.

The Suncrest Substation is contiguous to the Project right-of-way (ROW) and is needed to accommodate the termination of one 500 kilovolt (kV) and two 230 kV overhead transmission lines. In addition to the terminals, transformer banks, capacitor banks, switches, and relays required for termination of the transmission lines, a diesel-powered emergency generator, fire prevention system, one single-story relay/control shelter, a single-story maintenance shelter, and an oil containment system would be installed as part of construction. Construction of the overhead lines into the Suncrest Substation and wire-stringing activities are not included in this request; these activities will be included during overhead construction on Links 2 and 5.

Grading and Disturbance Areas – As described in the Project Modification Report, grading and ground disturbance at the Suncrest Substation site has been reduced to minimize impacts and to accommodate requests of two adjacent landowners. The total permanent footprint has been reduced to 75.07 acres for construction of the substation and BBTT improvements, but the total temporary disturbance area has

increased to 32.54 acres in order to construct the substation pad, perform BBTT improvements, and use of the Wilson Construction Yard. These impacts are described in detail on pages 4-111 through 4-114 of the Project Modification Report.

Wilson Construction Yard and Field Offices - Development of the Suncrest Substation includes use of the existing 10.78-acre Wilson Construction Yard, located approximately three-quarters of a mile to the east of the substation along BBTT. A 2.2 acre portion of the Wilson Construction Yard will be used to facilitate construction of the Suncrest Substation; with the remaining 8.58 acres used for material staging and storage associated with construction of the overhead transmission line. In addition, field offices and parking areas have been designated along BBTT as shown in the Project Modification Report Map Book (MS-106 and 107).

Construction Water Source – Beta Engineering (Beta) is currently working with the California Department of Fish and Game (CDFG) and the State Water Resources Control Board (SWRCB) to use two existing ponds located on the Wilson Property, a privately owned property adjacent to the BBTT, as a source of water and for storage of potable water. The Wilson ponds are manmade, earthen stock ponds fed by rainfall and surface runoff. The project involves transporting potable water by tanker trucks from local municipal sources to supplement the water naturally in the ponds, as well as installing a system of temporary aboveground pipes and pumps to transport the water from the ponds to the BBTT.

Beta has informed SDG&E that they submitted an Application to Appropriate Water for Temporary Use to the SWRCB and a 1600 Notification of Lake or Streambed Alteration Application to the CDFG. If water becomes available from the ponds prior to or during construction of the substation, SDG&E would obtain water from a source-point at the BBTT and either truck the water to the substation or install a below ground pipe within the access road to transport the water. The location of the ponds and proposed route for temporary piping between the ponds and the BBTT is shown in Attachment B.

Access Road Improvements - Improvements to approximately 2.6 miles of BBTT include widening the existing roadbed from 15 feet to 30 feet and upgrading the surface to pavement (asphalt) to provide a permanent access road to the substation. Some sections of BBTT will be relocated to minimize impacts to oak trees and to address access to adjacent properties (see PMR 29). The existing crossing of Petersen Creek will be improved to accommodate construction equipment deliveries. The necessary Clean Water Act Section 404/401 and CDFG 1600 permits will be obtained prior to making any improvements to the crossing.

A list of all of the preconstruction mitigation measures (MMs) that apply to the Suncrest Substation and their status is included as Attachment A to this NTP request. SDG&E requests to begin construction activities along Link 3 based on the following conditions:

1. No impacts will occur to sensitive vegetation, including tree trimming, until the following plans and reports have been approved by the CPUC and other appropriate agencies:
 - Habitat Mitigation and Monitoring Plan (for jurisdictional areas), Habitat Mitigation Plan and Habitat Acquisition Plan (MMs B-1a, B-2a, B-7e, B-7j, B-7l, G-CM-17, G-CM-45)
 - Restoration Plan for Sensitive Vegetation Communities in Temporary Impact Areas, submitted September 24, 2010 (MMs B-5a)
2. No impacts will occur on the substation pad or within 100 feet of the potential cultural site until agency concurrence is received. This site was identified in the Sunrise Powerlink Project Final Class III Inventory, which was approved by the CPUC and the BLM on June 2, 2010. The site was identified within the substation boundaries. This site has been evaluated and a report of findings will be submitted to the agencies. The site has been determined to be ineligible for inclusion in the National

Register of Historic Places and SDG&E is in the process of obtaining concurrence from the State Historic Preservation Officer of these findings.

3. No work will occur within CDFG, Army Corps of Engineers (USACOE) or Regional Water Quality Control Board (RWQCB) jurisdiction until the appropriate permits are obtained, in accordance with MM B-2a and WQ-APM-15:
 - CDFG Streambed Alteration Agreement
 - USACOE Section 404 Nationwide Permit 12
 - RWQCB Section 401, Water Quality Certification.
4. Construction at the substation will not be performed until the following plan is approved by the CPUC, in accordance with V-7a:
 - Suncrest Surface Treatment Plan (submitted August 5, 2010)

With the exception of the conditions listed above, all preconstruction measures have been met for Link 3 (see Attachment A). All other required mitigation measures, as stated in the Mitigation Monitoring, Compliance, and Reporting Program, will be implemented during construction. We respectfully request authorization of this NTP request by November 1, 2010. Should you have any questions or need additional information, please do not hesitate to contact me at (858) 650-4064.

Sincerely,



Linda Collins
Environmental Compliance Lead
San Diego Gas & Electric Co.

Attachments (2):

cc: Vida Strong, Aspen Environmental Group
Anne Coronado, Aspen Environmental Group
Alan Colton, San Diego Gas & Electric Co.

ATTACHMENT A

Mitigation Measure Tracking Table

Attachment A: Preconstruction Status Report

Wednesday, October 20, 2010

2:53:57 PM

Report Criteria:

AGENCY: CPUC

LOCATION: Link 3

TIMING: Design; During; During and Post; Pre; Pre and During; Pre and Post; Pre, During, and Post

 -To Be Implemented During Construction

 -Complete

 -Pending OR To Be Implemented Immediately Prior to Construction

 -Not Applicable

Location: Link 3

Mitigation Measure and APM	Status
B-01a: Locate surface disturbing components in previously disturbed areas	The pre-construction portion of this measure is complete. Sensitive resources were mapped using GIS and project structures and work areas were designed to avoid these resources, to the extent possible. The Project Modification Report Mapbook submitted on May 14, 2010, shows both sensitive resources and the location of areas that may be disturbed. During construction, vegetation and soil impacts will be minimized.
B-01a: Use construction mats to minimize disturbance	This mitigation measure will be fulfilled during construction.
B-01a: Double mitigation ratios on lands already in mitigation	The Suncrest Substation lands are SDG&E owned and are not in use as mitigation for other projects; therefore, this portion of the mitigation measure is not applicable.
B-01a: Delineate all limits of construction	The limits of construction will be delineated with orange construction fencing or flagging prior to the start of construction.
B-01a: Coordinate gate installation 60 days prior to construction	Construction of the substation will occur on privately held property. SDG&E has consulted with private property owners regarding gate installation and will be relocating one gate on Bell Bluff Truck Trail in accordance with the property owner's request. SDG&E consulted with the County of San Diego on August 25, 2010 regarding the County owned portion of Bell Bluff Truck Trail; no requests for additional gates were made. A copy of the meeting minutes with the County of San Diego was submitted to the CPUC on October 1, 2010.
B-01a: Submit documentation of coordination 30 days prior to construction	A copy of the meeting minutes from the meeting with the County of San Diego regarding installation of gates on Bell Bluff Truck Trail was submitted on October 1, 2010.
B-01a: Post signs on access road gates prohibiting unauthorized users	Signs prohibiting unauthorized use of the access road will be posted on the installed gates during construction.
B-01a: Provide funding for off-road vehicle patrols	This mitigation measure is not applicable. New off-road access is not a concern for the portion of Bell Bluff Truck Trail owned by the County of San Diego. SDG&E met with the County of San Diego on August 25, 2010; meeting minutes were submitted to CPUC on October 1, 2010.
B-01a: Mitigate for impacts by unauthorized activity	This mitigation measure will be fulfilled during construction.
B-01a: Submit a Habitat Restoration Plan	SDG&E submitted a Restoration Plan for Sensitive Vegetation Communities for Temporary Impacts for review and approval to the CPUC, BLM, USFS and wildlife agencies that addresses restoration of temporarily impacted areas on September 24, 2010. SDG&E will not impact sensitive vegetation communities prior to approval of this plan.
B-01a: Mitigate for impacted habitat	In coordination with the appropriate agencies, off-site purchase and dedication of habitat shall be provided for areas where habitat restoration cannot meet mitigation requirements as outlined in this measure. This will be determined during and post construction during restoration activities.
B-01a: Mitigate for the loss of native trees and tree trimming	Mitigation for loss of native trees or tree trimming will be provided as outlined in this measure. The Habitat Acquisition Plan was submitted on February 4, 2010. The HAP/HMP submitted for review and approval on September 22, 2010, covers all impacts related to trees resulting from construction activities. The CPUC and wildlife agencies have agreed that conservation of woodland areas on mitigation lands included in the HAP/HMP is acceptable mitigation for impacts to native trees.

Mitigation Measure and APM	Status
B-01a: Submit a Habitat Acquisition Plan 120 days prior to construction	The Habitat Acquisition Plan was submitted for review and approval on February 4, 2010. The HAP was further refined and provided to the CPUC on September 22, 2010. The plan includes the requirements as outlined in this mitigation measure.
B-01a: Submit a Habitat Management Plan	The Habitat Management Plan, prepared by a qualified biologist, was submitted to the CPUC, BLM, Wildlife Agencies, and USDA Forest Service on September 22, 2010 for review and approval.
B-01a: Submit a Habitat Management Plan	The HMP, prepared by a qualified biologist, was submitted to the CPUC, BLM, Wildlife Agencies, and USDA Forest Service on September 22, 2010 for review and approval. All the components in this mitigation measure have been included in the HMP.
B-01c: Provide biological monitoring and perform periodic inspections once or twice a week	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. This mitigation measure will be fulfilled during construction.
B-01c: Send weekly monitoring reports	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. This mitigation measure will be fulfilled during construction.
B-01c: Qualified biologists shall handle all environmental issues and have the authority to issue stop work orders	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. This mitigation measure will be fulfilled during construction.
B-01k: Re-seed all public and private natural areas burned due to project-caused fire	This mitigation measure will be fulfilled during and post construction, as needed.
B-01k: Develop re-seeding plan	This mitigation measure will be fulfilled during and post construction, as needed.
B-02a: Avoid impacts to jurisdictional areas	Impacts to jurisdictional features were considered during the design of the project and have been avoided, to the extent feasible. The location of each jurisdictional drainage and potential impact was described in the Preliminary Jurisdictional Determination report that was approved by the Army Corps of Engineers.
B-02a: Mitigate impacted areas as required by wetland permitting	Where avoidance of jurisdictional areas is not feasible, SDG&E will provide the necessary mitigation as described in the Habitat Mitigation and Monitoring Plan (HMMP) which discusses mitigation for jurisdictional habitat. The HMMP was submitted on July 14, 2010 and a revised HMMP was submitted on October 7, 2010. SDG&E will not impact jurisdictional areas prior to approval of the final HMMP and issuance of the 401, 404 and 1600 permits.
B-02a: Prepare jurisdictional delineation and impact assessment	The project area was surveyed and impacts to resources under the jurisdiction of the ACOE, Regional Water Boards, State Water Board, and CDFG were determined. A revised Preliminary Jurisdictional Determination was submitted on February 24, 2010 and accepted as part of the 404 permit application on August 27, 2010. Grading plans for Suncrest Substation were submitted on March 24, 2010 and June 22, 2010.
B-02a: Mitigate for jurisdictional wetland habitat	Mitigation properties will be acquired for jurisdictional areas as outlined in the HMMP . Where avoidance of jurisdictional areas is not feasible, SDG&E will provide the necessary mitigation as described in the Habitat Mitigation and Monitoring Plan (HMMP) which discusses mitigation for jurisdictional habitat. The HMMP was submitted on July 14, 2010 and a revised HMMP on October 7, 2010. SDG&E will not impact jurisdictional areas prior to approval of the final HMMP and issuance of the 401, 404 and 1600 permits.
B-02a: Obtain wetland permits prior to construction	Revisions to the 401 and 404 permit applications were submitted to the SWRCB and ACOE on August 18, 2010. Revisions to the 1600 permit were submitted to CDFG and a verbal agreement was reached on August 30, 2010. SDG&E will not impact jurisdictional areas, as shown on Appendix L, prior to issuance of the 401, 404 and 1600 permits
B-02a: Delineate all limits of construction	The April 30, 2010 Mapbook submitted on May 14, 2010 illustrates the limits of construction. Limits of construction will be delineated with orange construction fencing, flagging or silt fencing prior to construction.
B-02a: Install gates and signs at entrances of access roads	SDG&E will relocate one gate on Bell Bluff Truck Trail in accordance with the property owner's request. No other gates will be installed on the access road to the substation. This mitigation measure will be fulfilled during construction. (see B-01a Task 7)
B-02a: Mitigate impacts from unauthorized activity	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
B-02a: Submit and implement Wetland Mitigation Plan	SDG&E prepared and submitted an HMMP on July 14, 2010 as outlined in this mitigation measure. This plan was revised and provided to the agencies on October 7, 2010. This plan was prepared by WRA, a qualified habitat restoration specialist. This plan will be implemented by a qualified habitat restoration specialist.
B-02a: Submit a Habitat management Plan	SDG&E submitted a HMMP on July 14, 2010 and a revised HMMP on October 7, 2010 that describes preservation and management of all acquired, offsite mitigation parcels as outlined in this mitigation measure. SDG&E will not impact jurisdictional habitat until the HMMP is approved.
B-03a: Submit and implement a Weed Control Plan	A Final Weed Control Plan was approved on September 8, 2010.
B-03a: Conduct pre-construction weed inventory	The Weed Control Plan includes elements as outlined in this mitigation measure and was approved on September 8, 2010.
B-03a: Implement weed control treatments	This mitigation measure will be fulfilled during/post construction.
B-03a: Annually survey for new invasive weeds for 2 years	This mitigation measure will be fulfilled during/post construction.
B-03a: Ensure all seeds and other material are certified weed free	This mitigation measure will be fulfilled during/post construction.
B-03a: Wash vehicles and equipment	During project construction, project vehicles and equipment will be washed as required by the approved Weed Control Plan. This mitigation measure will be fulfilled during/post construction.
B-03a: Submit monthly wash logs during construction and annual logs during operation/maintenance	During project construction, project vehicles and equipment will be washed as required by the approved Weed Control Plan. This mitigation measure will be fulfilled during/post construction.
B-05a: Conduct surveys in the spring and submit a special status plant report	Rare Plant Surveys were completed by qualified biologists in 2009 and 2010. The 2009 survey report was submitted to the CPUC for review, as outlined in this measure, on November 9, 2009. The 2010 rare plant surveys are complete. The 2010 surveys included all project areas as described in the Project Modification Report submitted to the CPUC on May 14, 2010 and approved by the CPUC and BLM through a Determination Memorandum dated September 22, 2010.
B-05a: Stake or flag special status plant populations	Rare Plant Surveys were completed in 2009 by a qualified biologist. The 2009 survey was submitted to the CPUC for review on November 9, 2009. No state or federally listed rare plants were identified in the 2009 surveys along Link 3 or Wilson yard. Non-listed special status plant populations that can be avoided will be staked or flagged by a qualified biologist.
B-05a: Avoid impacts to federal and state listed plant species	The Project Modification Report and Mapbook submitted on May 14, 2010 and approved by the CPUC on September 22, 2010 in a Determination Memorandum, shows that design modifications resulted in reduced impacts to rare plants. SDG&E will not impact federal or state listed species.
B-05a: Submit a Restoration Plan for federal and state listed plants	No state or federally listed species have been observed on Link 3; therefore, a Habitat Restoration Plan for rare plants is not required.
B-05a: Avoid impacts to moderately sensitive plant species	The Project Modification Report and Mapbook submitted on May 14, 2010 and approved by the CPUC on September 22, 2010 in a Determination Memorandum, shows that design modifications resulted in reduced impacts to sensitive plants. Where avoidance is not feasible, SDG&E will reseed or relocate moderately sensitive plants as required by this measure. The pre-construction component of this measure has been completed.
B-05a: Submit a Restoration Plan for special status plant species	A Restoration Plan for Special Status Plants is being developed by a qualified Habitat Restoration Specialist. SDG&E will implement these measures as required by this plan.
B-05a: Submit a Habitat Management Plan	A Habitat Management Plan was submitted to the appropriate agencies for review and approval on September 22, 2010 as outlined in this measure.
B-07a: Cover excavations or install fencing when not in use	Steep-walled trenches or excavations will be covered, fencing will be installed or sloped on one end to prevent the entrapment of wildlife during construction. This mitigation measure will be fulfilled during construction.
B-07a: Inspect excavations 3 times per day and before backfilling	A qualified biological monitor will inspect any open trenches as required. This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
B-07a: Look under vehicles and equipment before moving for presence of wildlife	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. No vehicles or equipment will be moved until the animal has left or is removed by a qualified biologist. This mitigation measure will be fulfilled during construction.
B-07a: Contact within 48 hours of finding a dead or injured listed species	A qualified biological monitor will submit monitoring reports as required by this measure. This mitigation measure will be fulfilled during construction.
B-07e: Survey within 10 days prior to initiating work in area	The Riparian Birds Survey Report 2009, which was submitted to CPUC for review on January 14, 2010 indicates that there is no habitat for least Bell's vireo and southwestern willow flycatcher within 500 feet of Link 3; therefore, this measure does not apply.
B-07e: Survey once per week if species present	The Riparian Birds Survey Report 2009 submitted to CPUC for review on January 14, 2010 indicates that there is no habitat for least Bell's vireo and southwestern willow flycatcher; therefore, this measure does not apply.
B-07e: Establish 300-foot buffer if active nest found	The Riparian Birds Survey Report 2009 submitted to CPUC for review on 1/14/10 indicates that there is no habitat for riparian birds; therefore, this measure does not apply.
B-07e: Monitor noise if construction occurs within buffer	The Riparian Birds Survey Report 2009 submitted to CPUC for review on 1/14/10 indicates that there is no habitat for least Bell's vireo or southwestern willow flycatcher; therefore, this measure does not apply.
B-07e: Provide mitigation for temporary and permanent impacts	The Riparian Birds Survey Report 2009, which was submitted to CPUC for review on January 14, 2010 indicates that there is no habitat for least Bell's vireo or southwestern willow flycatcher within 500 feet of Link 3; therefore, this measure does not apply.
B-07e: Submit a Habitat Management Plan	The Riparian Birds Survey Report 2009 submitted to CPUC for review on January 14, 2010 indicates that there is no habitat for least Bell's vireo and southwestern willow flycatcher in the vicinity of the substation; therefore, this measure does not apply.
B-07h: No activities within 4,000 ft. of eagle nest during breeding season	Data obtained from the USFS in 2009 indicates that there is an eagle nest within 4000'; however, 2010 surveys did not indicate an active nest within 4,000' of the Substation. This measure will be monitored during construction to ensure that no construction activities occur within 4000' of an active eagle nest.
B-07i: Determine suitable habitat areas of QCB	Per USFWS QCB protocol, site assessments for suitable QCB habitat were conducted in 2009 and have been conducted in 2010 by USFWS permitted biologists. The site assessments identified areas requiring protocol surveys. QCB surveys were completed by a USFWS permitted biologist and a revised 2009 QCB Focused Survey Report was submitted to CPUC for review January 14, 2010. The survey reports identifies QCB habitat in the area of the Suncrest Substation, but no QCB were observed during focused surveys.
B-07i: Conduct pre-construction protocol survey	Per USFWS QCB protocol, QCB surveys were performed in 2009 by a USFWS permitted biologist and a revised 2009 QCB Focused Survey Report was submitted to CPUC for review January 14, 2010. Survey results indicate QCB were found by MP 116.5, 110, 79 to 80, 74.5, 71, and 36.
B-07i: Mitigation required if survey non-conclusive	A revised 2009 QCB Focused Survey Report was submitted to CPUC for review January 14, 2010. The survey reports identify that no QCB are present within the construction area but suitable habitat does exist. Since the protocol surveys were conclusive that QCB does not occur in this area, this mitigation measure is not applicable.
B-07i: Submit a Habitat Management Plan	A revised 2009 QCB Focused Survey Report was submitted to CPUC for review January 14, 2010. The survey reports identifies that no QCB are present within the construction area. Neither USFWS critical nor occupied habitat exist at the substation site or in the vicinity of the work area; therefore, this mitigation measure is not applicable.
B-07j: Conduct pre-construction protocol survey	Per USFWS protocol, arroyo toad surveys were conducted in 2009 by a permitted biologist. A revised 2009 Arroyo Toad Survey Report was submitted to CPUC for review on January 14, 2010. No arroyo toad habitat was found at the Suncrest Substation and access roads.
B-07j: Remove toad riparian breeding habitat October-December	Based on the 2009 and 2010 surveys, arroyo toad habitat does not exist on Link 3; therefore, this mitigation measure is not applicable.
B-07j: Install exclusion fencing if toad is present and monitor daily during construction	Based on the 2009 and 2010 surveys, arroyo toad habitat does not exist on Link 3 and no toads have been observed during the 2009 and 2010 surveys; therefore this mitigation is not applicable.
B-07j: Conduct pre- and post-exclusion fencing surveys	Based on the 2009 and 2010 surveys, arroyo toad habitat does not exist on Link 3 and no toads have been observed during the 2009 and 2010 surveys; therefore this mitigation is not applicable.

Mitigation Measure and APM	Status
B-07j: Conduct daily surveys in the morning prior to work activities	Based on the 2009 and 2010 surveys, arroyo toad habitat does not occur on Link 3; therefore, this mitigation measure is not applicable.
B-07j: Mitigate for the loss of occupied habitat	Arroyo toad habitat does not exist on Link 3 and no toads have been observed during the 2009 and 2010 surveys; therefore this mitigation is not applicable.
B-07j: Submit a Habitat Management Plan	Based on the 2009 and 2010 surveys, no arroyo toad-occupied or unoccupied habitat exists on Link 3; therefore mitigation for loss of arroyo toad habitat is not required.
B-08a: Clear vegetation August 16-January 14 and remove/trim trees September 16-December 31	This mitigation measure will be fulfilled during construction.
B-08a: Conduct pre-construction avian breeding surveys within 10 days of initiating work January 1-September 15 and submit surveys	Within 10 calendar days prior to construction, a qualified biologist will conduct avian breeding surveys for construction activities occurring within the general avian breeding season. Results of the surveys will be submitted to Wildlife Agencies for review and approval.
B-08a: Conduct pre-construction raptor breeding surveys within 10 days of initiating work January 1-September 15 and submit surveys	Pre-construction surveys for active raptor nests will be conducted by a qualified biologist within 10 days of construction if activities will occur during the raptor breeding season. Results of the surveys will be submitted to wildlife agencies for review and approval.
B-08a: Proceed with construction if no active nests observed	This mitigation measure will be fulfilled during construction.
B-08a: Proceed with construction if active nests found per conditions	During construction, if active nests are located, a buffer as defined in this measure will be established and monitored on a weekly basis to allow construction to proceed.
B-08a: Monitor active nests weekly until fledged	This mitigation measure will be fulfilled during construction.
B-08a: Report survey results and monitoring	Results of surveys will be submitted as required and a qualified biologist will continue to monitor the site as appropriate. Weekly monitoring reports will be submitted.
B-09a: Conduct habitat assessment prior to construction	A CDFG-approved biologist conducted day and night surveys. No bat nursery colonies were observed during the 2009 bat surveys performed along the Sunrise Powerlink alignment. The 2009 Bat Survey Report was submitted to the CPUC on February 19, 2010. A 2009 Bat Survey Report Amendment-Report and 2009 Bat Survey Amendment - Appendix 1 were submitted on October 1, 2010. The amended report was approved by CPUC on October 11, 2010.
B-09a: Conduct survey prior to construction	A CDFG-approved biologist conducted a survey for bat nursery colonies. The 2009 Bat Survey Report was submitted to the CPUC on February 19, 2010. A 2009 Bat Survey Report Amendment-Report and 2009 Bat Survey Amendment - Appendix 1 were submitted on October 1, 2010. The amended report was approved by CPUC on October 11, 2010.
B-09a: No direct impacts to nursery colonies allowed	A CDFG-approved biologist conducted day and night surveys. No bat nursery colonies were observed during the 2009 bat surveys performed along the Sunrise Powerlink alignment. The 2009 Bat Survey Report was submitted to the CPUC on February 19, 2010. A 2009 Bat Survey Report Amendment-Report and 2009 Bat Survey Amendment - Appendix 1 were submitted on October 1, 2010. The amended report was approved by CPUC on October 11, 2010. If bat nursery colonies are observed during construction, this mitigation measure will be implemented.
B-09a: Implement methods to minimize indirect impacts	A CDFG-approved biologist conducted day and night surveys. No bat nursery colonies were observed during the 2009 bat surveys performed along the Sunrise Powerlink alignment. The 2009 Bat Survey Report was submitted to the CPUC on February 19, 2010. A 2009 Bat Survey Report Amendment-Report and 2009 Bat Survey Amendment - Appendix 1 were submitted on October 1, 2010. The amended report was approved by CPUC on October 11, 2010. If bat nursery colonies are observed during construction, this mitigation measure will be implemented.
BIO-APM-01: Submit protocol surveys for sensitive plant and wildlife	Surveys for sensitive plants and wildlife have been conducted in all suitable habitats and reports submitted to USFWS and CDFG as required by the measure. This includes surveys for rare plants, coastal California gnatcatcher, QCB, Laguna Mountains Skipper, Arroyo Toad, flat-tailed horned lizard, barefoot banded gecko, riparian birds and Hermes Copper Butterfly.

Mitigation Measure and APM	Status
BIO-APM-02: Environmental training prior to construction	Project personnel shall receive training as outlined in this measure.
BIO-APM-03: Restrict vehicle movement to existing access roads	Vehicle traffic will be restricted to existing and constructed access roads, except during grading operations.
BIO-APM-03: Avoid constructing roads during nesting season and submit surveys if new roads needed during nesting season	SDG&E shall perform surveys and submit survey results to the USFWS and CDFG should access road construction occur during nesting season or if it is not feasible to keep vehicles on existing access roads.
BIO-APM-03: No parking or driving under oak trees	This mitigation measure will be fulfilled during construction.
BIO-APM-03: Observe a 15 mph speed limit on dirt access roads	This mitigation measure will be fulfilled during construction.
BIO-APM-04: Restrict project activity to disturbance areas	Project and survey activities will be confined to areas noted in final dimensioned engineering drawings. Grading plans for Suncrest Substation were submitted on March 24, 2010 and June 22, 2010 (see PMR 29).
BIO-APM-04: Keep survey vehicles on existing roads	Survey vehicles shall remain on existing roads.
BIO-APM-04: Obtain prior approval for surveying activities in sensitive habitat	A biological monitor shall monitor project surveying activities for conformance with APMs.
BIO-APM-04: Hiking off roads or paths during survey data collection is permitted	SDG&E survey personnel will implement all appropriate APMs.
BIO-APM-04: Do not apply discoloring agents on rocks or vegetation	No paint or permanent discoloring agents shall be applied as outlined in this measure.
BIO-APM-05: Construct roads at right angles to streambeds and washes	SDG&E will improve an existing dirt road to provide access to the Substation; therefore, limiting new impacts to streambeds and washes. The Project Modification Report and Mapbook submitted May 14, 2010 and approved by the CPUC through a Determination Memorandum on September 22, 2010 identified that modifications to the Project result in reduced impacts to "waters of the U.S." or waters of the state.
BIO-APM-05: Obtain permits for streambed crossings and roads constructed parallel to streambeds	Revised 401, 404 and 1602 permit applications were submitted for review and approval on August 18, 2010 and March 30, 2010. Culverts will be installed as necessary. SDG&E will not impact streambeds until the required permits are issued.
BIO-APM-05: Minimize disturbance from construction and maintenance activities	This mitigation measure will be fulfilled during and post construction.
BIO-APM-06: Comply with all applicable environmental laws and regulations	This mitigation measure will be fulfilled during and post construction.
BIO-APM-07: Littering is not allowed	The SWEAP video, approved by the CPUC on March 15, 2010, includes instruction that littering is prohibited on this project. The SWEAP video will be shown to all project personnel prior to construction and enforced throughout all phases of the Project.
BIO-APM-08: Delineate and avoid sensitive plant populations	Prior to construction, the boundaries of any sensitive plant populations will be delineated with flagging and avoided to the extent practicable.
BIO-APM-10: Do not harm wildlife	The SWEAP video, approved by the CPUC on March 15, 2010, includes instructions that no wildlife, including rattlesnakes, may be harmed except to protect life and limb. This SWEAP will be shown to all project personnel prior to construction and enforced throughout all phases of the Project. If rattlesnakes are encountered, they will be safely removed by a biologist or staff trained in safe snake handling procedures.
BIO-APM-10: Firearms are prohibited	The SWEAP video was approved by the CPUC on March 15, 2010. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project, and addresses that firearms are prohibited in all project areas, except for security personnel.
BIO-APM-11: Do not feed wildlife	The SWEAP video, approved by the CPUC on March 15, 2010, includes instructions that feeding wildlife is prohibited. The SWEAP video will be shown to all project personnel prior to construction and enforced throughout all phases of the Project.

Mitigation Measure and APM	Status
BIO-APM-12: No pets permitted	The SWEAP video, approved by the CPUC on March 15, 2010, includes instructions that pets are prohibited at the Project site. The SWEAP video will be shown to all project personnel prior to construction and enforced throughout all phases of the Project.
BIO-APM-13: Do not collect plants or wildlife	The SWEAP video, approved by the CPUC on March 15, 2010, includes instructions that prohibit collecting plants or wildlife species for any reason. This SWEAP will be shown to all project personnel prior to construction of the Project and enforced throughout all phases of the Project.
BIO-APM-14: Removal of wildlife by qualified biological monitor or wildlife agency	Wildlife found to be trapped will be removed by a qualified biological monitor. If the biological resource monitor is not qualified to remove the entrapped wildlife, a recognized wildlife rescue agency (such as Project Wildlife) will be contacted to remove the wildlife and transport it safely to other suitable habitats.
BIO-APM-15: Submit report of unavoidable environmental damage	This mitigation measure will be fulfilled during and post construction, as needed.
BIO-APM-16: Schedule tree trimming during non-sensitive times	This mitigation measure will be fulfilled during and post construction. Information regarding sensitive tree trimming locations will be put into the GEARS database.
BIO-APM-16: Vary tree removal widths to maintain edge diversity	This mitigation measure will be fulfilled during construction.
BIO-APM-17: Mow vegetation to use as access road	During construction, it is anticipated that the vegetation in Wilson yard and other temporary impact areas will be crushed or mowed to protect the natural vegetation. Following construction, it is not anticipated that vegetation removal will be required because Bell Bluff Truck Trail will be paved and the substation pad will be gravel filled.
BIO-APM-18: Design structures and access roads to minimize impacts to sensitive features	A memo was submitted to the CPUC and Aspen documenting compliance with Mitigation Measure BIO-APM-18, Task 1, on September 1, 2010. The April 30, 2010 Mapbook and Project Modification Report (PMR) illustrates changes to the final design of the alignment with an overall reduction of impacts to sensitive features and a redesign of the alignment to be relocated to previously disturbed areas when feasible. Ground disturbance at Suncrest Substation was reduced from the FEIR/EIS Final Environmentally Superior Southern Route (FESSR). A revised Mapbook and PMR was submitted on May 14, 2010.
BIO-APM-18: Submit site surveys when constructing poles or roads in high value habitats cannot be avoided	Surveys have been performed to determine the presence or absence of endangered species in sensitive habitats along the project route. The results of the surveys will be submitted to the USFWS.
BIO-APM-18: Construct crossings at right angles to streambeds if access roads cannot avoid sensitive water features	Access roads that impact sensitive water resources shall be constructed as outlined in this mitigation measure, when feasible. SDG&E shall obtain the necessary permits from the ACOE, CDFG, and RWQCB.
BIO-APM-19: Implement and comply with BLM mitigation measures	This mitigation measure will be fulfilled during and post construction.
BIO-APM-19: Use Section 7 process to obtain incidental take authorization	SDG&E has obtained an incidental take authorization through the Section 7 process (Refer to Biological Opinion FWS2008BO423-2009F0097).
BIO-APM-20: Leave vegetation in place where re-contouring is not required	This mitigation measure will be fulfilled during construction.
BIO-APM-21: Conform to "Suggested Practices for Raptor Protection on Power Lines"	A memo was submitted to the CPUC on Tuesday, September 15, 2010 describing that the conductor spacing meets recommended suggested practices where feasible and the CPUC confirmed compliance with this measure on September 16, 2010. This mitigation measure is not applicable to substation sites. "Suggested Practices for Raptor Protection on Power Lines" applies to transmission lines only and not ancillary facilities such as Suncrest Substation.
BIO-APM-22: Salvaging may include removal and stockpiling for replanting	During construction, some of the disturbed soil and vegetation from the substation pad grading will be stockpiled and reused on manufactured slopes to facilitate re-growth of vegetation.
BIO-APM-23: Remove only minimum amount of vegetation necessary for construction	During construction, only the minimum amount of vegetation required to develop the substation pad, water tank, access road, and drainage facilities will be removed.

Mitigation Measure and APM	Status
BIO-APM-23: Conserve topsoil in areas of sensitive habitat	During construction, some of the disturbed soil and vegetation from the substation pad grading will be stockpiled and reused on manufactured slopes to facilitate re-growth of vegetation.
BIO-APM-24: Secure in place strong covers	The SWEAP video was approved by the CPUC on March 15, 2010. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project, and includes instructions on covering construction holes overnight to prevent harm to wildlife.
BIO-APM-26: Slope excavations on one end	This mitigation measure will be fulfilled during construction.
BIO-APM-27: Remove all raptor nests outside breeding season and prior to construction	Prior to construction and outside of the raptor breeding season, SDG&E will remove unoccupied non-threatened/endangered or non-eagle raptor species' nests that would be affected by construction activities. Per the USFS, the golden eagle breeding season is December through June.
BIO-APM-27: Monitor active nests during breeding season	Removal of an existing raptor nest during the breeding season shall occur as outlined in this mitigation measure, by an approved biologist.
BIO-APM-28: Survey potential roost trees to be removed and follow procedures for felling trees	A CDFG-approved biologist conducted a survey for bat maternity roost trees. The 2009 Bat Survey Report was submitted to the CPUC on February 19, 2010. A 2009 Bat Survey Report Amendment-Report and 2009 Bat Survey Amendment - Appendix 1 were submitted on October 1, 2010. The amended report was approved by CPUC on October 11, 2010. No maternity roosts were observed on the project.
BIO-APM-29: Minimize impacts of exterior lighting adjacent to preserved habitat	This mitigation measure will be fulfilled during construction.
BIO-APM-29: Minimize vehicle speed and volume	This mitigation measure will be fulfilled during construction.
G-CM-01: Provide biological monitoring and perform periodic inspections once or twice a week	During construction, a qualified biological monitor with the authority to issue stop work orders will be on-site and periodic inspections will be performed. (see B-1c)
G-CM-02: Use SDG&Es Water Quality Construction BMP Manual.	SDG&E will implement erosion control techniques outlined in measure WQ-APM-4 and in accordance with the SWPPP submitted on September 15, 2010.
G-CM-03: Obtain NPDES permit and implement a SWPPP.	The SWPPP and NPDES permit associated with WDID #9 37C357500 was submitted to the CPUC on September 15, 2010. The conditions of the permit and SWPPP will be implemented and enforced during the construction to prevent and avoid water quality impacts. (See WQ-APM-14)
G-CM-04: Training to implement conservation measures.	Project personnel have received training as outlined in this measure. A log of all personnel that have participated in SWEAP training will be periodically submitted to the CPUC throughout construction. (See BIO-APM-2)
G-CM-05: Limit vehicle speeds on access roads to minimize fugitive dust.	See BIO-APM-3
G-CM-06: Keep all activities within designated temporary and permanent disturbance areas.	Project and survey activities will be confined to areas noted in final engineering drawings. Grading plans for Suncrest Substation were submitted on March 24, 2010 and June 22, 2010.
G-CM-06: Keep survey vehicles on existing roads.	See BIO-APM-4
G-CM-06: No paint or discoloring agents will be applied to rocks or vegetation.	See BIO-APM-4
G-CM-06: Impacts associated unauthorized activity will be mitigated at higher ratios.	See BIO-APM-4
G-CM-07: Brush clearing will require prior approval from the biological monitor in conformance with the CMs.	See BIO-APM-9
G-CM-08: Wire stringing.	See BIO-APM-18
G-CM-09: Disposal of wastes.	See BIO-APM-7

Mitigation Measure and APM	Status
G-CM-10: Emergency repairs will follow the CM's to the extent feasible.	See BIO-APM-15
G-CM-10: Submit written report to agencies having jurisdiction.	See BIO-APM-15
G-CM-10: If required, develop mitigation plan consistent with CMs.	See BIO-APM-15
G-CM-11: Structures and access roads should be designed to minimize impacts to sensitive features.	A memo was submitted to the CPUC and Aspen documenting compliance with Mitigation Measure BIO-APM-18, Task 1, on September 1, 2010. The April 30, 2010 Mapbook and Project Modification Report (PMR) illustrates changes to the final design of the alignment with an overall reduction of impacts to sensitive features and a redesign of the alignment to be relocated to previously disturbed areas when feasible. Ground disturbance at Suncrest Substation was reduced from the FEIR/EIS Final Environmentally Superior Southern Route (FESSR). A revised Mapbook and PMR was submitted on May 14, 2010.
G-CM-11: conduct site surveys when not feasible to avoid constructing poles or access roads in designated sensitive areas.	See BIO-APM-18
G-CM-12: Leave vegetation in place where re-contouring is not required. Restore disturbed soils based on HRP per G-CM-16.	This mitigation measure will be fulfilled during construction.
G-CM-13: Use lowest illumination allowed for human safety.	See BIO-APM-29
G-CM-13: Vehicle speed limits may not exceed 15 mph to prevent mortality of nocturnal wildlife species.	See BIO-APM-29
G-CM-14: Locate surface-disturbing activities in previously disturbed areas, to the extent practical.	The pre-construction portion of this measure is complete. The project structures and work areas were designed to avoid sensitive vegetation, to the extent possible. During construction, vegetation and soil impacts will be minimized. See B-01-a Task 1 for additional information.
G-CM-15: Use of construction mats.	See B-1a
G-CM-15: Incorporate impact of using mats into HRP (G-CM-16).	See B-1a
G-CM-16: Habitat Restoration Plan approval.	See B-1a
G-CM-16: Impacts, compensation, and a qualified habitat restoration specialist.	See B-1a See B-1a
G-CM-16: Temporary impacts to desert scrub and dune habitats.	See B-1a
G-CM-17: Habitat Management Plan.	See B-1a
G-CM-17: Off-site compensation and property acquisition.	See B-1a
G-CM-18: Re-seeding of disturbed areas after a transmission line-caused fire.	See B-1k
G-CM-20: Develop a Weed Control Plan for pre-construction and non-invasive weed abatement.	SDG&E has submitted a Weed Control Plan for review and approval on June 4, 2010.

Mitigation Measure and APM	Status
G-CM-20: Contents of the Weed Control Plan.	A pre-construction weed inventory has been completed and is discussed in the Weed Control Plan, which was submitted for review and approval on June 4, 2010.
G-CM-23: Use appropriately sized equipment.	See GEO-APM-6
G-CM-24: Develop a Dust Control Plan.	See AQ-1a
G-CM-24: Implement Dust Control Plan.	See AQ-1a
G-CM-25: Restrict vehicle movement to access roads.	See BIO-APM-3
G-CM-26: Delineate construction limits.	See B-1a
G-CM-27: Build access roads at right-angles to stream crossings.	See BIO-APM-18
G-CM-28: Coordinate w/land officer 60 days prior to initiating construction to determine the use of gates and signs at access roads.	Construction of the substation will occur on privately held property. SDG&E has consulted with private property owners regarding gate installation and will be relocating one gate on Bell Bluff Truck Trail in accordance with the property owner's request. SDG&E consulted with the County of San Diego on August 25, 2010, regarding the County owned portion of Bell Bluff Truck Trail; no requests for additional gates were made. A copy of the meeting minutes with the County of San Diego was submitted on October 1, 2010. (See B-1a)
G-CM-29: Provide funding.	See B-1a
G-CM-31: Mowing of access roads to maintain access for maintenance.	See BIO-APM-17
G-CM-32: Surveys for USFS listed species.	See B-5a
G-CM-33: Delineate plant population boundaries.	See BIO-APM-8
G-CM-34: Tree trimming guidelines.	See B-1a
G-CM-35: Rare plants shall be salvaged where avoidance is not feasible.	This measure will be implemented during construction.
G-CM-36: Do not harm wildlife, including rattlesnakes.	See BIO-APM-10
G-CM-37: Do not feed wildlife.	See BIO-APM-11
G-CM-38: Do not bring pets to project areas.	See BIO-APM-12
G-CM-39: Cover steep-walled trenches to avoid entrapping wildlife.	See B-7a
G-CM-40: Look under vehicles and around equipment for wildlife prior to use.	See B-7a
G-CM-41: Do not dispose of excess fill, brush, or debris within waters of the U.S.	This measure will be implemented during construction.
G-CM-41: Do not dispose of fuel, oil, coolant, and other wastes within or near waters of the U.S. Do not fuel vehicles near waters of the U.S.	This measure will be implemented during construction. The SWPPP designates where fueling is permitted to occur. Unless otherwise indicated in the SWPPP all other areas are considered "No-Fueling Zones".
G-CM-42: Maintain riparian buffer construction/staging areas and riparian areas.	This measure will be implemented during construction.

Mitigation Measure and APM	Status
G-CM-44: Determine project limits for temporary and permanent disturbance to occur during maintenance activities.	Project and survey activities will be confined to areas noted in final engineering drawings. Grading plans for Suncrest Substation were submitted on March 24, 2010 and June 22, 2010.
G-CM-45: Purchase/dedicate suitable habitat for preservation.	See B-1a
SS-CM-01: Avoid Impacts to Thornmint	The Suncrest Substation is located between MP 89.0 and 90.0. San Diego Thornmint is not present in the area; therefore, this measure in not applicable.
SS-CM-01: Implement Weed Control Plan (G-CM-20).	San Diego Thornmint is not present in the area; therefore, this measure in not applicable.
SS-CM-02: Compensation of unavoidable impacts.	San Diego Thornmint is not present in the area; therefore, this measure in not applicable.
SS-CM-03: A USFWS-permitted biologist must delineate suitable/occupied Quino habitat.	See B-7i
SS-CM-04: Conduct a pre-construction presence/absence survey.	See B-7i
SS-CM-04: No species-specific compensation required in areas where survey is conclusive.	See B-7i
SS-CM-04: In the event of inconclusive surveys, consider all habitat occupied and compensate accordingly.	See B-7i
SS-CM-04: Host plant mapping during pre-construction surveys.	Host plant mapping has been completed during appropriate conditions and has been updated with 2010 survey data; therefore, this measure is not applicable.
SS-CM-05: Include habitat restoration in USFS's Recovery Plan for Quino Checkerspot Butterfly.	See B-7i
SS-CM-06: Quino habitat within the Jacumba Unit.	See B-7i
SS-CM-07: Construction during Quino flight season.	See B-7i
SS-CM-08: Pre-construction Service protocol survey within suitable breeding habitat.	See B-7j
SS-CM-09: Develop arroyo toad translocation monitoring program prior to initiating construction.	See B-7j
SS-CM-10: Develop and implement predator control program in USFS lands.	See B-7j
SS-CM-11: Requirements for arroyo toad-occupied habitat loss.	See B-7j
SS-CM-12: Daylight use of access roads to avoid/minimize impacts to arroyo toads.	See B-7j
SS-CM-13: No construction activities during arroyo toad breeding season.	See B-7j
SS-CM-15: Do not locate improvements within arroyo toad upland aestivation and riparian breeding habitat.	See B-7j

Mitigation Measure and APM	Status
SS-CM-16: Construction outside of the breeding season.	See B-7e
SS-CM-16: Construction during the breeding season - survey 10 days prior to initiating activity.	See B-7e
SS-CM-16: Activity protocol for when vireos are present during construction.	See B-7e
SS-CM-16: Avoid impacts to jurisdictional water resources.	See B-7e
SS-CM-18: Develop and implement brown-headed cowbird trapping program for USFS lands.	See B-7e
SS-CM-19: Conduct brushing or grading activities within occupied gnatcatcher habitat outside of the breeding season.	See B-7I
SS-CM-19: Monitor all vegetation clearing activities.	See B-7I
SS-CM-19: Conduct presence/absence survey 10 days prior to initiating construction activities. Conduct nest survey, as appropriate.	See B-7I
SS-CM-19: Establish no-construction barrier around active nests.	See B-7I
SS-CM-20: Compensate for loss of occupied gnatcatcher habitat.	See B-7I
SS-CM-21: Compensate for loss of unoccupied gnatcatcher habitat.	See B-7I
SS-CM-22: No construction during lambing season from January 1 through June 30 or period of greatest water need.	There is no Peninsular Big Horn Sheep (PBHS) habitat affected by construction of Link 3 or Wilson yard. PBHS habitat occurs between mileposts 21 and 31 on Link 1, the Suncrest Substation is located between mileposts 89 and 90 on Link 3. (See B-7c)
SS-CM-23: Compensation for loss of occupied big horn sheep habitat.	There is no Peninsular Big Horn Sheep (PBHS) habitat affected by construction of Link 3 or Wilson yard. PBHS habitat occurs between mileposts 21 and 31 on Link 1, the Suncrest Substation is located between mileposts 89 and 90 on Link 3. (See B-7c)
SS-CM-24: Big Horn Sheep Monitoring Plan.	There is no Peninsular Big Horn Sheep (PBHS) habitat affected by construction of Link 3 or Wilson yard. PBHS habitat occurs between mileposts 21 and 31 on Link 1, the Suncrest Substation is located between mileposts 89 and 90 on Link 3. (See B-7c)
SS-CM-24: Helicopter flight paths over occupied habitat.	There is no Peninsular Big Horn Sheep (PBHS) habitat affected by construction of Link 3 or Wilson yard. PBHS habitat occurs between mileposts 21 and 31 on Link 1, the Suncrest Substation is located between mileposts 89 and 90 on Link 3. (See B-7c)
SS-CM-24: Cease construction within I-8 Island until sheep have left the area.	There is no Peninsular Big Horn Sheep (PBHS) habitat affected by construction of Link 3 or Wilson yard. PBHS habitat occurs between mileposts 21 and 31 on Link 1, the Suncrest Substation is located between mileposts 89 and 90 on Link 3. (See B-7c)
SS-CM-25: Fund, design, and construct a fencing system to prevent bighorn sheep from crossing I-8.	There is no Peninsular Big Horn Sheep (PBHS) habitat affected by construction of Link 3 or Wilson yard. PBHS habitat occurs between mileposts 21 and 31 on Link 1, the Suncrest Substation is located between mileposts 89 and 90 on Link 3. (See B-7c)
SS-CM-25: Fund the removal of invasive species and hazardous fences.	There is no Peninsular Big Horn Sheep (PBHS) habitat affected by construction of Link 3 or Wilson yard. PBHS habitat occurs between mileposts 21 and 31 on Link 1, the Suncrest Substation is located between mileposts 89 and 90 on Link 3. (See B-7c)

Mitigation Measure and APM	Status
SS-CM-25: Fund a 10-year monitoring program of bighorn sheep behavior, movement, and dispersal.	There is no Peninsular Big Horn Sheep (PBHS) habitat affected by construction of Link 3 or Wilson yard. PBHS habitat occurs between mileposts 21 and 31 on Link 1, the Suncrest Substation is located between mileposts 89 and 90 on Link 3. (See B-7c)
SS-CM-25: Fund biennial surveys to be conducted by CDFG.	There is no Peninsular Big Horn Sheep (PBHS) habitat affected by construction of Link 3 or Wilson yard. PBHS habitat occurs between mileposts 21 and 31 on Link 1, the Suncrest Substation is located between mileposts 89 and 90 on Link 3. (See B-7c)
V-01a: Screen construction sites if visible from public areas	The preconstruction component of this measure is complete. The substation site, as illustrated in the Surface Treatment Plan submitted to the CPUC on August 3, 2010, and Wilson Construction Yard are not visible from areas of high public visibility. However, the Wilson Construction Yard will be screened with temporary construction fencing as outlined in the Construction Visual Screening Plan submitted to the CPUC on August 4, 2010.
V-01a: Submit final construction plans 60 days prior to construction	As shown in the PMR Map Book, the Suncrest Substation and Wilson Yard are not located in an area of high public visibility. Grading plans for the Suncrest Substation were submitted to the CPUC on March 24, 2010 and June 22, 2010. A Surface Treatment Plan was submitted to the CPUC on August 3, 2010. SDG&E received comments from CPUC's visual resource specialists and provided revisions to CPUC on October 8, 2010. The Wilson yard will be screened with temporary construction fencing as outlined in the Construction Visual Screening Plan submitted to the CPUC on August 4, 2010.
V-01b: Design and install lighting to avoid night lighting impacts	The preconstruction component of this measure is complete. The Suncrest Substation Construction Lighting Mitigation Plan was submitted to the CPUC on June 17, 2010 and resubmitted on September 23, 2010. The final plan was submitted to the CPUC on October 19, 2010 and incorporates CPUC's comments. Design and installation at the Wilson Yard will occur as outlined in the plan.
V-01b: Submit a Construction Lighting Mitigation Plan 90 days prior to construction	The Suncrest Substation Construction Lighting Mitigation Plan was submitted to the CPUC for review and approval on June 17, 2010. Revisions to the plan were submitted on September 23, 2010. The final plan which incorporates all of CPUC's comments was submitted on October 19, 2010.
V-02a: Construct access and spur roads at appropriate angles	This mitigation measure is not applicable to construction activities at Suncrest Substation or Wilson Yard. Both areas will be accessed by existing roads. Upgrades to the Bell Bluff Truck trail are described in the Project Modification Report (PMR29).
V-02a: Consult with visual resources specialist to evaluate access road visibility prior to final design	This mitigation measure is not applicable to construction activities at Suncrest Substation or Wilson Yard. Both areas will be accessed by existing roads. Upgrades to the Bell Bluff Truck trail are described in the Project Modification Report (PMR29).
V-02a: Submit table 60 days prior to construction	No new access roads will be constructed; therefore, this mitigation measure is not applicable to construction activities at Suncrest Substation or Wilson Yard.
V-02a: Submit final construction plans 60 days prior to construction	This mitigation measure is not applicable to construction activities at the substation. Grading plans illustrating the use and expansion of the existing access road for Suncrest Substation were submitted on March 24, 2010 and June 22, 2010.
V-02b: Create barriers for public access if opened as a construction route	No new public access will be opened by construction; therefore, this measure is not applicable.
V-02b: Submit final construction and restoration plans 60 days prior to construction	The Project Modification Report (PMR) and Mapbook submitted on May 14, 2010 illustrates changes to the final design that would reduce visual contrast from unnatural vegetation lines. Grading plans for Suncrest Substation were submitted on March 24, 2010 and June 22, 2010. Landscape and drainage plans were submitted on June 22, 2010 and a Surface Treatment Plan was submitted for review on August 3, 2010. CPUC's visual resource specialist will determine areas of concern and SDG&E will make revisions to these plans based on those recommendations.
V-02c: Treat disturbed soils visible from sensitive public viewing locations	The Surface Treatment Plan for the substation submitted on August 3, 2010 demonstrates that views of land scars will not be visible from sensitive viewing locations.
V-02c: Submit final construction and restoration plans 60 days prior to construction	Grading plans for Suncrest Substation were submitted on March 24, 2010 and June 22, 2010. Landscape and drainage plans were submitted on June 22, 2010. These plans, along with the Surface Treatment Plan submitted on August 3, 2010, demonstrate compliance with this measure.

Mitigation Measure and APM	Status
V-02d: Consult regarding helicopter construction techniques	The PMR submitted May 14, 2010, acknowledged by a Determination Memorandum from the CPUC dated September 22, 2010, discusses changes to the final design regarding the use of helicopter construction and prohibition of access and spur roads where construction would occur on slopes greater than 15 percent or near public viewing locations. The PMR indicates that the use of helicopters for construction of the substation will not be required. The substation is not located on slopes greater than 15 percent or near sensitive public views.
V-02d: Conduct Agency Consultations 120 days prior to construction	SDG&E has coordinated with the CPUC along with the CPUC's visual consultant regarding the use of helicopters for construction. This is demonstrated in CPUC's Determination Memorandum dated September 22, 2010. The PMR submitted May 14, 2010 indicates that the use of helicopters for construction of the substation will not be required.
V-07a: Submit Surface Treatment Plan 90 days prior to construction	SDG&E submitted a Surface Treatment Plan for review and approval to the CPUC on August 3, 2010.
V-07a: Receive approval before vendor specification	SDG&E will not perform treatment of any buildings or structures until receipt of approval of the Surface Treatment Plan by the CPUC.
V-07b: Submit a Screening Plan 90 days prior to screening installation	SDG&E will submit a Screening Plan for review and approval 90 days prior to installation of landscaping. Landscaping, drainage and grading plans were submitted to CPUC on March 24, 2010 and June 22, 2010.
V-21a: Design and install lighting to avoid night lighting impacts	SDG&E submitted a revised Lighting Mitigation Plan on September 24, 2010 in compliance with this measure. The final Suncrest Lighting Mitigation Plan was submitted to CPUC on October 19, 2010 and incorporates all changes required by the CPUC.
V-21a: Submit a Lighting Mitigation Plan 90 days prior to construction	SDG&E submitted a revised Lighting Mitigation Plan on September 24, 2010 in compliance with this measure. The final Suncrest Lighting Mitigation Plan was submitted to CPUC on October 19, 2010 and incorporates all changes required by CPUC.
VR-APM-04: Do not paint or discolor rocks or vegetation	The SWEAP video was approved by the CPUC on March 15, 2010. The SWEAP video will be shown to all project personnel prior to construction and enforced throughout all phases of the Project. The video includes instructions prohibiting application of paint or permanent discoloring agents on rocks or vegetation to indicate survey or construction limits.
VR-APM-05: Do not install structures in front or in line-of-sight of residences	The PMR Map Book, pages MS-105 and 106, shows that the structures associated with the Suncrest Substation are not in direct line-of-sight with residences. A Surface Treatment Plan also shows that structures will not be constructed directly in front of residences or in direct line-of-sight from a residence was submitted to the CPUC on August 3, 2010.
L-01a: Submit Construction Notification Plan 45 days prior to construction	The Construction Notification Plan was approved by the CPUC on March 1, 2010.
L-01a: Mail a public notice 15 days prior to construction	The Construction Notification Plan that was approved by the CPUC on March 1, 2010 addresses mailing public notifications. Proof of Notification will be submitted to CPUC prior to start of construction.
L-01a: Advertise in newspapers and bulletins 15 days prior to construction	The Construction Notification Plan that was approved by the CPUC on March 1, 2010 addresses newspaper advertisement notifications. Proof of Notification will be submitted to CPUC prior to start of construction.
L-01a: Post notices of construction at public venues 30 days prior to construction	The Construction Notification Plan that was approved by the CPUC on March 1, 2010 addresses posting of notices of construction at public venues. Proof of Notification will be submitted to CPUC prior to start of construction.
L-01a: Provide a public liaison person and toll-free hotline number before and during construction	The Construction Notification Plan identifies the public liaison person assigned to the project and the toll-free hotline. The Plan was approved by the CPUC on March 1, 2010.
L-02b: Notify landowners 90 days prior to completing final design of route	A memorandum submitted to CPUC on October 5, 2010 summarizes the landowner notification process. All landowners have been notified within 1000 feet of the project alignment. Landowners not directly affected by project facilities were sent a letter through certified mail in spring 2009 and given the opportunity to request changes. Landowners already in easement acquisition negotiations were notified through the acquisition process and provided the opportunity to request changes. These changes are also addressed in the Project Modification Report and Mapbook. CPUC approved this memo on October 12, 2010.

Mitigation Measure and APM	Status
L-02b: Provide notified parties 30 days to identify conflicts and potential reroutes	SDG&E provided affected landowners 30 days in which to respond to the project notification and discuss changes to the project to accommodate landowner requests. The L-2b Mitigation Measure memorandum (10/05/10) summarizes the criteria used to evaluate these requests. A summary of each landowner request received is also included with this memo. In addition, the PMR addresses several of these changes. CPUC approved this memo on October 12, 2010.
L-02b: Provide written report at or before the time property owners are identified	On March 18, 2009, SDG&E met with CPUC representatives to discuss the interpretation and notification requirements for mitigation measure L-2b. The notification and landowner requests processes were developed based on those discussions. SDG&E did not provide CPUC and BLM with a written report identifying properties that were suspected of having a land use conflict as described in the mitigation measures at or before the time property owners were notified. SDG&E did consider these impacts in their initial evaluation of the project and with subsequent route changes as described in the Project Modification Report submitted to CPUC on May 14, 2010.
L-02b: Provide written report within 30 days of the public notice closing date for responses	A memorandum submitted to CPUC and BLM on October 5, 2010 summarizes the landowner notification process. All landowners have been notified within 1000 feet of the project alignment. Landowners not directly affected by project facilities were sent a letter through certified mail in spring 2009 and given the opportunity to request changes. Landowners already in easement acquisition negotiations were notified through the acquisition process and provided the opportunity to request changes. These changes are also addressed in the Project Modification Report and Mapbook. CPUC approved this memo on October 12, 2010.
L-02b: Develop specific reroute modifications	The modifications required by this task are located on Links 4 and 5. They are not applicable to Links 1,2 and 3.
LU-APM-01: Provide advance notice within 300 feet of construction activities	SDG&E will provide advance notice to residents, property owners, and tenants within 300 feet of construction activities and will appoint a public affairs officer to address public concerns or questions.
LU-APM-02: Place new structures more than 330 feet from residences	There are no residences within 330 feet of the substation.
LU-APM-04: Provide notification prior to construction	To facilitate access to properties obstructed by construction activities, SDG&E will notify property owners and tenants in advance of construction activities and provide alternative access if feasible.
LU-APM-05: Coordinate construction activities with water management representatives	There are no irrigation canals or flood management structures impacted by construction activities at the substation or Wilson yard; therefore, this mitigation measure is not applicable.
LU-APM-06: Restrict and confine activity within limits of construction	The limits of construction activities have been determined, with activity restricted to and confined within those limits.
LU-APM-06: Provide flagging for environmentally sensitive areas	The ROW boundary and limits of construction activity inside and outside the ROW will be flagged in environmentally sensitive areas to alert construction personnel that those areas should be minimize or avoided.
LU-APM-07: Install project facilities outside of private properties, parks, and other recreational areas	SDG&E designed project facilities to be located along the edges or borders of private property, open space parks, and recreation areas. When this was not possible, SDG&E consulted with affected property owners to reduce impacts and has paid just compensation to the property owners. SDG&E submitted a memo summarizing compliance with Mitigation Measure L-2b to the CPUC on October 5, 2010 documenting landowner consultation and coordination. This memo was approved by CPUC on October 12, 2010. The final alignment is shown on the PMR Mapbook approved September 2010, acknowledged by a Determination Memo from CPUC dated September 22, 2010.
LU-APM-08: Coordinate to include Project in General Plans	SDG&E conducts on-going coordination with the County of San Diego regarding General Plan updates. The contact at the County of San Diego is LeAnn Carmichael (858-694-3739). Suncrest Substation is not located in Imperial County or the City of San Diego jurisdiction. Imperial County: Andy Home, Deputy County Executive Officer for Natural Resources Development (760) 482-4727 City of San Diego: Jeffery Pasek, Watershed Manager (619) 533-7599

Mitigation Measure and APM	Status
LU-APM-09: Obtain ministerial land use permits	Bell Bluff Truck Trail modification plans have been submitted to the County of San Diego for consultation and review; however, no permit is required. During construction, an electrical permit will be obtained from San Diego County for temporary power during construction. No activities associated with temporary power at the construction site will occur until this permit has been obtained.
R-APM-02c: Coordinate construction activities affecting parkland and trails prior to construction	SDG&E consulted with the County of San Diego on August 25, 2010 regarding the County owned portion of Bell Bluff Truck Trail; no requests for additional gates or signage were made. A copy of the meeting minutes with the County of San Diego was submitted on October 1, 2010.
AG-01c: Coordinate with grazing operators 60 days prior to construction and 30 days after construction	SDG&E has coordinated with landowners to discuss construction activities and address concerns related to agricultural productivity and animal welfare. A memo summarizing this coordination was submitted to CPUC on October 15, 2010. On Link 3, SDG&E coordinated with Rick Slaughter on August 17 and 26, 2010 to discuss construction activities and requirements to minimize impacts to horses on his property. SDG&E also met with the Wilson property owner on August 26, 2009 to discuss impacts to cattle operations and requirements during construction to minimize impacts to grazing operations.
C-01a: Submit cultural resources inventory prior to construction	A Final Class III Inventory was approved by the CPUC and BLM on June 2, 2010.
C-01a: Stake tower locations prior to cultural resource field surveys	The substation project area was staked and surveyed prior to performance of cultural resource field surveys.
C-01b: Protect potential and register-eligible resources from direct project impacts	The Project Modification Report and Mapbook submitted on May 14, 2010 and approved by the CPUC and BLM through a Determination Memorandum on September 22, 2010 illustrates that the final design of the alignment incorporates changes to avoid impacts to potentially register-eligible and register eligible resources based on preliminary National Register of Historic Places and consultation with the SHPO. A Final Class III Inventory was completed and approved by the CPUC and BLM on June 2, 2010. One site was documented on Link 3. The cultural resources site on Link 3 has been evaluated for eligibility and determined to be ineligible. A draft report with a Treatment Plan section presenting this information is in production and will be submitted to the BLM and CPUC for review and to the SHPO for concurrence. The report will also be provided to the consulting Tribes for comment; recommendations for treatment of features were developed in consultation with the interested Native American Tribes.
C-01b: Undertake additional studies if resources cannot be protected from direct impacts	The Project Modification Report and Mapbook submitted on May 14, 2010 and approved by the CPUC and BLM through a Determination Memorandum on September 22, 2010 illustrates that the final design of the alignment incorporates changes to avoid impacts to potentially register-eligible and register eligible resources based on preliminary National Register of Historic Places and consultation with the SHPO. A Final Class III Inventory was completed and approved by the CPUC and BLM on June 2, 2010. One site was documented on Link 3. The cultural resources site on Link 3 have been evaluated for eligibility and determined to be ineligible. A draft report with a Treatment Plan section presenting this information is in production and will be submitted to the BLM and CPUC for review and to the SHPO for concurrence. The report will also be provided to the consulting Tribes for comment; recommendations for treatment of features were developed in consultation with the interested Native American Tribes. No cultural sites are located along Bell Bluff Truck Trail or in the Wilson Yard.
C-01b: Incorporate results of studies in HPTP	A Historic Properties Treatment Plan (HPTP) is being prepared that will include findings from the field investigation regarding whether the site is an NRHP or CRHR eligible site and recommendations for further management. Construction at the substation pad will not commence until the HPTP is approved. No cultural sites are located along Bell Bluff Truck Trail or in the Wilson Yard.
C-01b: Designate NRHP and/or CRHR resources as ESA if within 50 feet of direct impact	SDG&E will designate NRHP and/or CRHR resources within 50 feet of direct impact areas if the resource can be avoided. These ESAs will be monitored by cultural monitors during construction and observations will be summarized and submitted to the CPUC in the weekly report.
C-01b: Erect protective flagging or other markers for ESA	Protective fencing and markers will be used to designate areas that can be avoided as an ESA. These ESAs will be monitored by cultural Monitors during construction and observations will be summarized and submitted to the CPUC in the weekly report.

Mitigation Measure and APM	Status
C-01b: Develop and implement monitoring program as part of HPTP	A monitoring program was incorporated into the Historic Properties Management Plan. The HPMP was approved on July 13, 2010.
C-01c: Submit Historic Properties Treatment Plan	Potentially NRHP- and/or CRHR-eligible cultural resources that cannot be protected or avoided were identified in the project area. Accordingly, a Construction Field Evaluation was completed. A Historic Properties Treatment Plan (HPTP) is being prepared that will include findings regarding whether the site is an NRHP or CRHR eligible site and recommendations for further management. Construction at the substation pad will not commence until the HPTP is approved. No cultural sites are located along Bell Bluff Truck Trail or in the Wilson Yard. A discussion of the 28 sites that can not be avoided along the entire project was included in the PMR submitted on May 14, 2010 and approved by the CPUC and BLM through a Determination Memorandum on September 22, 2010.
C-01d: Conduct data recovery investigations to reduce adverse effects	Potentially NRHP- and/or CRHR-eligible cultural resources that cannot be protected or avoided were identified in the project area. Accordingly, a Construction Field Evaluation was completed in accordance with this measure. A Historic Properties Treatment Plan (HPTP) is being prepared that will include findings regarding whether the site is NRHP or CRHR eligible and recommendations for further management. Construction at the substation pad will not commence until the HPTP is approved. There are no cultural sites located along Bell Bluff Truck Trail or in the Wilson Yard. Therefore, SDG&E could commence construction along the road and yard prior to approval of the HPTP.
C-01d: Submit field closure report prior to construction within 100 feet of affected resource	Potentially NRHP- and/or CRHR-eligible cultural resources that cannot be protected or avoided were identified in the project area. Accordingly, a Construction Field Evaluation was completed and a Field Closure Report is being prepared with the Historic Properties Treatment Plan (HPTP). Construction at the substation pad will not commence until the HPTP is approved. No cultural sites are located along Bell Bluff Truck Trail or in the Wilson Yard.
C-01d: Submit final report of data-recovery investigations within 1 year of completing fieldwork	A final report is being prepared and will be submitted once available. This mitigation measure will be fulfilled during or after construction.
C-01e: Implement archaeological monitoring at cultural ESAs	A Historic Properties Treatment Plan (HPTP) is being prepared that will include locations of ESAs and protection boundaries. The HPTP will provide recommendations for further management and monitoring during construction. Construction at the substation pad will not commence until the HPTP is approved. No cultural sites are located along Bell Bluff Truck Trail or in the Wilson Yard.
C-01e: Qualification of archaeologists must be approved	The qualifications of the principal archaeologist and archaeological monitors were submitted to the BLM and CPUC for approval on July 20, 2010. Cultural Monitor resumes have been approved by the BLM on September 30, 2010. Only monitors approved by the CPUC and BLM will work on the Project. A list of all approved monitors will be updated throughout the project.
C-01e: Retain and schedule any required Native American monitoring	A Historic Properties Management Plan (HPMP) was approved by the CPUC and BLM on July 15, 2010 and includes locations where Native American monitoring will be required. The HPTP under development will provide recommendations for further management and monitoring during construction.
C-01e: Submit cultural resources monitoring monthly reports during construction	This mitigation measure will be fulfilled during construction.
C-01e: Notify if any damage to cultural resource ESAs and divert work to a buffer distance	This mitigation measure will be fulfilled during construction.
C-01f: Train construction personnel to recognize and protect cultural resources	The SWEAP video, approved by the CPUC on March 15, 2010, includes instructions regarding the recognition of possible buried cultural remains and protection of all cultural resources. The SWEAP video will be shown to all project personnel prior to construction and enforced throughout all phases of the Project.
C-02a: Avoid known Native American remains and protect with ESA designation	The Suncrest Substation was not identified as an area that contains Native American human remains as described in the Final Class III Inventory Report approved by the agencies on June 2, 2010; therefore, this measure does not apply.
C-02a: Contact agencies if sites will be affected	SDG&E has avoided direct impacts to known locations of Native American human remains and will continue to avoid direct impacts to Native American human remains.

Mitigation Measure and APM	Status
C-02a: Assist and support MLD with reinterment location	SDG&E will provide all necessary support to the MLD if Native American human remains are encountered during construction.
C-02a: Follow laws that govern treatment of human remains	SDG&E will follow all laws, statues and regulations as appropriate if Native American human remains are encountered during construction.
C-02a: Support in consultations with Native Americans and implement required actions and studies	Government-to-government consultations are ongoing. Records of consultations are being held with the BLM.
C-02a: Divert work if human remains are discovered and inform officer	SDG&E has avoided direct impacts to known locations of Native American human remains and will continue to avoid direct impacts to Native American human remains. This mitigation measure will be fulfilled during construction.
C-03a: Implement archaeological monitoring	A Historic Properties Management Plan was approved by the CPUC on July 15, 2010 and identifies monitoring needs. The HPTP will provide further recommendations regarding monitoring during construction at the substation pad. Monitors will be on-site during subsurface construction disturbance at all locations identified in the Final Class III Inventory and Management Plan as sensitive. Monitoring observations will be summarized and submitted to the CPUC in the weekly report during construction.
C-03a: Divert work if buried cultural material discovered and notify archaeologist	This mitigation measure will be fulfilled during construction.
C-04a: Assist and support BLM in consultations with Native Americans to asses impacts	Government-to-government consultations have been ongoing. Records of consultations are being held with the BLM.
C-04a: Submit documentation of all pre-construction actions 30 days prior to construction	Written documentation of the completion of all preconstruction consultation actions completed to date was included in the HPMP, approved on July 15, 2010, and the "Inventory Report for Sunrise Cultural Resources." The preconstruction component of this mitigation measure is complete. Additional information will be provided to the BLM as the consultation process continues prior to and during construction. Actions that are required during or after construction will be defined, detailed, and scheduled in the Historic Properties Treatment Plan and implemented by the Applicant, consistent with Mitigation Measure C-1c.
CR-APM-01: Instruct and provide a contract addressing protection and avoidance of cultural resources	The SWEAP video, approved by the CPUC on March 15, 2010, includes instructions regarding the recognition of possible buried cultural remains and protection of all cultural resources. A construction contract addressing state and federal laws regarding antiquities, fossils, and plants and wildlife, including the collection and removal, as well as the importance of these resources and the purpose and necessity of protecting them will be signed by each individual. Records of these contracts will be kept with the monitor. The SWEAP video will be shown to all project personnel prior to construction and enforced throughout all phases of the Project.
CR-APM-02: Flag archaeological sites eligible for National Register	The Project Modification Report and Mapbook submitted on May 14, 2010 and approved by the CPUC and BLM through a Determination Memorandum on September 22, 2010 illustrates that the final design of the alignment incorporates changes, to the extent feasible, to avoid impacts to potentially register-eligible and register eligible resources based on preliminary National Register of Historic Places and consultation with the SHPO.
CR-APM-02: Implement impact avoidance and APMs during construction	SDG&E consulted with the appropriate land management agencies to avoid impacts to cultural resources where feasible. The Project Modification Report and Mapbook submitted on May 14, 2010 and approved by the CPUC and BLM through a Determination Memorandum on September 22, 2010 illustrates that the final design of the alignment incorporates changes based on these consultations. Impact avoidance and APMs as described in the approved HPMP and HPTP under development will be implemented during construction.
CR-APM-04: Conduct maintenance and other activities in conformance with national standards	This mitigation measure will be fulfilled during construction.
CR-APM-05: Follow guidelines for cultural resources	The Historic Properties Management Plan approved on July 15, 2010, incorporates the guidance provided in this measure. SDG&E will continue to comply with Cultural Resources mitigation measures as outlined in the MMCRP.

Mitigation Measure and APM	Status
CR-APM-06: Avoid historic properties by fencing or barricading	A Historic Properties Management Plan (HPMP) was approved by the CPUC on July 15, 2010 and identifies historic properties along the Project route. No historic properties were identified within the construction area for the Suncrest Substation or Wilson Yard.
CR-APM-06: Implement a plan if historic properties cannot be avoided	A Historic Properties Management Plan (HPMP) was approved by the CPUC on July 15, 2010 and identifies historic properties along the Project route. No historic properties were identified within the construction area for the Suncrest Substation or Wilson Yard.
CR-APM-07: Control impacts that can deteriorate historic	As illustrated in the approved HPMP, there are no historic properties located in the construction area; therefore, this measure is not applicable. The SWPPP submitted on September 15, 2010 addresses erosion control at the site.
CR-APM-07: Implement protective measures to minimize erosion and weeds	This mitigation measure will be fulfilled during construction.
CR-APM-07: Implement control measures to minimize vibration, dust, and fumes	As illustrated in the approved HPMP, there are no historic properties located in the construction area; therefore, this measure is not applicable.
CR-APM-07: Minimize deterioration to buildings and structures	As illustrated in the approved HPMP, there are no historic properties located in the construction area; therefore, this measure is not applicable.
CR-APM-07: Implement a plan if deterioration cannot be avoided	As illustrated in the approved HPMP, there are no historic properties located in the construction area; therefore, this measure is not applicable.
CR-APM-08: Avoid and protect landscaping essential to historic property	There are no historic properties that will be affected by construction activities at Suncrest Substation or use of the Wilson Yard; therefore, this measure is not applicable.
CR-APM-08: Minimize intrusion to the historic setting	There are no historic properties that will be affected by construction activities at Suncrest Substation or use of the Wilson Yard; therefore, this measure is not applicable.
CR-APM-09: Restrict construction and operation access	As illustrated in the approved HPMP, there are no historic properties located in the construction area; therefore, this measure is not applicable.
CR-APM-09: Instruct construction and maintenance personnel to protect sensitive properties	There are no historic properties that will be affected by construction activities at Suncrest Substation or use of the Wilson Yard; therefore, this measure is not applicable.
CR-APM-10: Span conductors over historic property	As illustrated in the approved HPMP, there are no historic properties located in the construction area; therefore, this measure is not applicable.
CR-APM-10: Boring shall avoid disturbance to historic property	As illustrated in the approved HPMP, there are no historic properties located in the construction area; therefore, this measure is not applicable.
CR-APM-11: Implement standard practices on private land	A memo was submitted to the CPUC on September 13, 2010 documenting compliance with this mitigation measure.
CR-APM-12: Conduct cultural surveys for staging areas not yet identified	SDG&E has conducted cultural surveys for staging areas not identified in the FEIR/EIS. The PMR and Mapbook submitted on May 14, 2010 and approved by the CPUC and BLM through a Determination Memorandum on September 22, 2010 illustrates changes to the final design of the alignment based on these surveys. These surveys are complete for the Wilson Yard.
PAL-01a: Submit an inventory of significant paleontological resources	SDG&E has conducted and submitted a "Paleontological Records" report dated February 25, 2010 and a "Sunrise Powerlink Paleontological Monitoring and Discovery Treatment Plan" dated April 7, 2010. These documents were approved by the CPUC, BLM and other involved land-managing agencies on July 30, 2010.
PAL-01b: Submit a Paleontological Monitoring Treatment Plan	The Paleontological Monitoring and Treatment Plan was developed by a qualified paleontologist based on Society of Vertebrate Paleontology guidelines and was approved by the BLM, CPUC and other agencies with jurisdiction on July 20, 2010. The approved plan indicates that no paleontological monitoring will be needed at the site because the geology at the site is non-paleo producing.
PAL-01c: Conduct full-time paleontological construction monitoring	The Paleontological Monitoring and Treatment Plan approved on July 20, 2010 indicates that no paleontological monitoring will be needed at the site because the geology at the site is non-paleo producing.
PAL-01c: Conduct part-time monitoring of sediments with low marginal undetermined sensitivity	The Paleontological Monitoring and Treatment Plan approved on July 20, 2010 indicates that no paleontological monitoring will be needed at the site because the geology at the site is non-paleo producing.

Mitigation Measure and APM	Status
PAL-01c: Divert construction activities when significant fossils are recovered	The Paleontological Monitoring and Treatment Plan approved on July 20, 2010 indicates that no paleontological monitoring will be needed at the site because the geology at the site is non-paleo producing.
PAL-01d: Implement Treatment Plan if significant paleontological resources are unavoidable	The Paleontological Monitoring and Treatment Plan approved on July 20, 2010 indicates that the geology at the site is non-paleo producing.
PAL-01e: Train construction personnel on paleontological resources	The SWEAP video was approved by the CPUC on March 15, 2010. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project and includes instructions on the recognition of possible subsurface paleontological resources and protection of all paleontological resources during construction.
N-01a: Obtain a variance for night construction or 200 feet from sensitive receptors 45 days prior to construction	Limited construction activities will occur outside of daytime hours at the substation pad. However, there are no sensitive receptors within 200 feet of the substation pad. Construction activities along the access road and at the Wilson yard will occur during times allowed by local ordinances. If required by local ordinances, a variance for work outside of daytime hours will be obtained. This mitigation measure will be fulfilled during construction.
N-01a: Employ noise suppression techniques	This mitigation measure will be implemented during construction.
N-02a: Manage blasting with a plan for each site 45 days prior to construction	There are no vulnerable structures that could be damaged by blasting at the site; however, if blasting is required, a site-specific blasting plan will be prepared during construction as required by H-4b.
N-02a: Restore damaged structure and compensate owner	There are no vulnerable structures that could be damaged by construction vibration at the substation; however if a structure is inadvertently adversely affected, SDG&E shall then fairly compensate the owner
NOI-APM-01: Provide notice to sensitive receptors and residences within 300 feet of construction	The Construction Notification Plan addresses providing notice to sensitive receptors within 300 feet of construction sites, staging areas, and access roads. The Plan was approved by the CPUC on March 1, 2010. SDG&E will provide verification that notifications were made prior to start of construction.
NOI-APM-01: Provide a public liaison person before and during construction.	The Construction Notification Plan approved by the CPUC on March 1, 2010 identifies a public liaison person that can respond to concerns of neighboring receptors about noise disturbances.
NOI-APM-01: Establish a toll free number for questions and complaints	The Construction Notification Plan, which was approved by the CPUC on March 1, 2010, identifies the toll free telephone number established by SDG&E for receiving questions or complaints during construction. The Construction Notification Plan also identifies procedures for responding to callers.
T-02a: Obtain permits for temporary lane closures	Lane closures along public transportation routes to the Substation are not anticipated. However, if during construction, temporary lane closures are necessary, SDG&E will obtain required permits from the County of San Diego and CALTRANS for any temporary lane closures.
T-05a: Coordinate road repairs with public agencies	This measure will be implemented post construction.
T-05a: Protect drainage structures and incorporate measures into access agreement/easement	The Landscaping and Drainage plans submitted to the CPUC on June 22, 2010 and approved on October 13, 2010 illustrate how road drainage features will be protected. Consultations with the County of San Diego regarding protecting drainage features has been ongoing. As noted in LU-APM-9, an access agreement/easement with San Diego County is not required for Link 3 activities.
T-09a: Prepare a Construction Transportation Management Plan	A project-wide Traffic Study was submitted on April 28, 2010 and approved by San Diego County on September 29, 2010. The Study revealed that there are no significant traffic impacts at the Suncrest Substation site as a result of project activities. Therefore, a CTMP will not be required.
T-11b: Provide notification when and where the line will be erected prior to construction	Construction at the substation and yard does not involve installation of new transmission lines and towers over 200' in height; however, SDG&E has consulted with U.S. Customs and Border Patrol regarding the location of the alignment. SDG&E met with U.S. Customs and Border Patrol representatives on December 17, 2009, February 8, 2010, and April 20, 2010.
T-11b: Provide maps of the alignment near the U.S./Mexico border	The April 30, 2010 Mapbook includes aerial images that clearly show the new lines and towers in relation to the U.S./Mexico border within San Diego and Imperial Counties. SDG&E provided a copy of this Mapbook to border patrol aircraft, the U.S. Customs and Border Patrol, and the CPUC on May 14, 2010. SDG&E consulted with the U.S. Customs and Border Patrol on December 17, 2009, February 8, 2010, and April 20, 2010.
T-APM-02b: Submit Detour Plans	It is not anticipated that detours along public transportation routes will be necessary. During construction, if detours are required, SDG&E will submit detour plans to the County of San Diego and CALTRANS.

Mitigation Measure and APM	Status
T-APM-02b: Right-of-Entry permit required for construction and maintenance activities outside of easements	No project activities will occur within ABDSP; therefore, this measure is not applicable.
T-APM-02b: Provide a request for maintenance or other earth-disturbing activities	No project activities will occur on California State Park land; therefore, this measure is not applicable.
T-APM-04a: Coordinate in advance with emergency service providers	It is not anticipated that construction activities will restrict movements of emergency service providers. However, if necessary, during construction SDG&E will coordinate with emergency service providers prior to initiation of construction activities that would restrict movements of emergency vehicles.
T-APM-04a: Notify cities and counties regarding construction activities	It is not anticipated that construction activities will impact police, fire, ambulance and paramedic services. However, if necessary, during construction SDG&E shall notify and provide required information to counties and cities prior to initiation of construction activities that could impact local authorities.
T-APM-05a: Coordinate construction activities adjacent to school bus stops with school districts 1 month prior to construction	SDG&E met with the Alpine Unified School District regarding impacts to school bus stops on August 26, 2010 at 1:00 pm and with Jamul-Dulzura School District on September 1, 2010 at 3:00 pm. No concerns were raised regarding construction areas associated with the Suncrest Substation or Wilson Yard.
T-APM-05a: Consult with transit authorities 1 month prior to construction	SDG&E met with Metropolitan Transit System representatives on September 2, 2010. Attendees included Mike Daney and Devin Braun. No concerns were raised regarding construction activities associated with the Suncrest Substation or Wilson Yard.
T-APM-06b: Parking in San Diego County shall comply with County regulations and per an approved traffic control plan	This measure will be implemented during construction.
T-APM-09a: Underground utility facilities within 1,000 feet of an Officially Designated Scenic Highway	Link 3 does not include any new or relocated utility facilities within 1,000 feet of an Officially Designated Scenic Highway; therefore, this mitigation measure is not applicable.
T-APM-10a: Ensure continuous access to properties	Underground cable alignment installation is not part of construction at the Substation or Wilson yard; therefore, this measure is not applicable.
HS-APM-01: Train personnel using hazardous materials	The SWEAP video that was approved by the CPUC on March 15, 2010 includes training on hazardous materials management procedures. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project.
HS-APM-01: Develop a Hazardous Communication Plan	The Sunrise Powerlink Hazard Communication Plan (HazCom) was approved by the CPUC on April 2, 2010. The HazCom Plan includes site specific information and the location of MSDS'. Document Link: http://www.cpuc.ca.gov/environment/info/asp/sunrise/otherdocs/Hazard%20Communication%20Plan%203-21-10.pdf
HS-APM-02: Trained personnel to perform refueling	Refueling will only be performed by operators trained in refueling of vehicles or equipment.
HS-APM-02: Conduct refueling in designated areas or by assigned vehicles	Refueling will be performed in designated areas or by a mobile refueling tanker with appropriate secondary containment.
HS-APM-03: Develop applicable safety plans	The Sunrise Powerlink Hazard Communication Plan (HazCom) was approved by the CPUC on April 2, 2010. The HazCom Plan includes site specific information and the location of MSDSs. The SWPPP was submitted on September 15, 2010. The HMBP and SPCC Plan will be developed during construction as required by applicable regulations.
HS-APM-05: Investigate impacts of all contaminated sites	The Soil Management Plan was approved by the CPUC on September 9, 2010 as fully addressing the requirements of this measure. The Suncrest Substation site is not a Section 65962.5 site or known contamination site.
HS-APM-07: Train personnel to recognize UXO	A memorandum was submitted to the CPUC on October 1, 2010, stating that an investigation of the project ROW was conducted by a UXO trained contractor and no potential UXO areas were located in the vicinity of the Substation or yard; however, if a UXO is discovered, a trained contractor shall remove the UXO.

Mitigation Measure and APM	Status
HS-APM-08: Assign Environmental or Health & Safety Representative	SDG&E has assigned Steve Riggs, Field Monitoring Manager with Burns & McDonnell, as the Environmental Field Representative project-wide.
HS-APM-09: Contact airport representatives within 2 miles	There are no structures over 200' in height that trigger FAA review associated with construction activities at the substation; therefore, this measure is not applicable.
HS-APM-10: Store and dispose of hazardous waste per regulations	If hazardous wastes are generated, they will be properly disposed of and stored in accordance with all applicable federal and state regulations. Hazardous material minimization measures shall be employed whenever possible.
HS-APM-11: Develop Fire Prevention and Response Plan	The Fire Plan, signed by the CAL Fire Chief, was approved by the CPUC on February 2, 2010.
HS-APM-11: Assign Fire Marshal to enforce fire prevention provisions	The Fire Plan, signed by the CAL Fire Chief, was approved by the CPUC on February 2, 2010 and a project Fire Marshall has been hired onto the project and is assigned to enforce the FPRP.
HS-APM-12: Develop a Traffic Control Plan	A project-wide Traffic Study was submitted on April 28, 2010 and approved by San Diego County on September 29, 2010. The Study revealed that there are no significant traffic impacts at the Suncrest Substation site as a result of project activities. Roadway crossings are not part of construction activities at the Suncrest Substation or Wilson Yard. All measures required in any required encroachment permit will be implemented during construction.
HS-APM-14: Conduct environmental training to construction workers	The SWEAP video approved by the CPUC on March 15, 2010 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: Stop work if soil or groundwater contamination	This mitigation measure will be fulfilled during construction.
HS-APM-16: Terminate work and implement health and safety procedures if contamination	This mitigation measure will be fulfilled during construction.
HS-APM-16: Take preliminary samples and send to lab for testing	This mitigation measure will be fulfilled during construction.
HS-APM-17: Work may proceed if no contamination	This mitigation measure will be fulfilled during construction.
HS-APM-17: Notify agencies if contamination is above regulatory limits	This mitigation measure will be fulfilled during construction.
P-01a: Implement an environmental monitoring plan	The Environmental Monitoring Plan was submitted to the CPUC on May 10, 2010. In addition, the SWEAP video, approved by the CPUC on March 15, 2010, discusses 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. The SWEAP video will be shown to all project personnel and enforced throughout all phases of the Project.
P-01a: Designate an Environmental Field Representative	The Environmental Monitoring Plan was submitted to CPUC on May 10, 2010. The Plan states that the Environmental Field Representative/ Lead Monitoring Manager for this Project is Steve Riggs.
P-01b: Maintain hazardous material spill kits onsite	This measure will be implemented during construction.
P-03a: Collect soil or groundwater samples if contaminated	This measure will be implemented during construction.
P-03a: Coordinate with regulatory agencies if contaminated soil or groundwater confirmed by laboratory data	This measure will be implemented during construction.

Mitigation Measure and APM	Status
P-03b: Submit report to agencies of contaminated soil within 30 days of laboratory data receipt	This measure will be implemented during construction.
PS-01a: Limit conductor surface gradient	Following current industry substation design practices, the Suncrest Substation 500 and 230kV buses were designed to meet the conductor surface voltage gradients as specified in the "IEEE Guide for design of substation rigid bus structures" (IEEE standard 605-1998) and calculated following the procedures outlined in "Electric Power Connection for Substations" (ANSI/NEMA CC1-2009). The calculated maximum conductor surface voltage gradients for both the 500 and 230 kV conductors for Suncrest Substation are below the maximum allowable voltage gradients as defined by these current standards. In addition, the calculated maximum conductor surface voltage gradients for both the 500 and 230kV conductors for Suncrest Substation were compared to the maximum gradient values presented in Figure 4 of the IEEE Radio Noise Design Guide – 1971 as "good engineering design practices." The calculated maximum surface voltage gradients for Suncrest were below the values presented in the 1971 design guide.
PS-02a: Identify objects within and near ROW for induced voltages and implement electrical grounding	A grounding study was performed to ensure that the substation and the area immediately outside of the proposed substation fence line meets all applicable standards for step and touch voltage potential. The Ground Grid study, dated June 30, 2010, did not identify any objects near the substation with the potential for induced voltages. The entire substation will be fenced and all equipment, including the fence, will be grounded to the substation ground grid in accordance with SDG&E's standards. A memorandum addressing completion of this measure was submitted to the CPUC on October 6, 2010.
AQ-01a: Pave, apply water 3 times daily, or apply soil stabilizers	A Dust Control Plan was approved by the CPUC on January 20, 2010. The Dust Control Plan will be implemented during project construction.
AQ-01a: Pre-water sites 48 hours prior to clearing	This mitigation measure will be fulfilled during construction pursuant to the approved Dust Control Plan.
AQ-01a: Reduce amount of disturbed area	This mitigation measure will be fulfilled during construction pursuant to the approved Dust Control Plan.
AQ-01a: Spray stock-piles daily or as needed	This mitigation measure will be fulfilled during construction pursuant to the approved Dust Control Plan.
AQ-01a: Cover loads in trucks or maintain 6 inches of free-board	This mitigation measure will be fulfilled during construction pursuant to the approved Dust Control Plan.
AQ-01a: Pre-moisten import and export dirt prior to transport	This mitigation measure will be fulfilled during construction pursuant to the approved Dust Control Plan.
AQ-01a: Sweep public streets daily if soil tracking visible	This mitigation measure will be fulfilled during construction pursuant to the approved Dust Control Plan.
AQ-01a: Apply soil stabilizers or water on inactive work areas	This mitigation measure will be fulfilled during construction pursuant to the approved Dust Control Plan.
AQ-01a: File a Dust Control Plan 30 days prior to construction	The Dust Control Plan was approved by the CPUC on January 20, 2010.
AQ-01b: Maintain construction equipment and use low-emission equipment	SDG&E will use available Tier 3 equipment, minimizing the use of Tier 2 equipment. Any portable equipment over 50 hp will be permitted with the local Air Pollution Control District (APCD) or the California Air Resources Control Board as required by applicable regulations. Equipment run logs will be maintained on a daily basis and periodically submitted to the CPUC.

Mitigation Measure and APM	Status
AQ-01h: Obtain NOx emission reduction credits or fund incentive programs prior to construction	<p>The Construction Emission Monitoring Plan and Air Quality Mitigation Program was approved on January 26, 2010. This document provided updated NOx and PM calculations that show project-wide emissions below the applicability threshold for this measure, documented NOx emissions reduction credits obtained and addressed the funding of incentive programs. SDG&E has executed a MOU with Imperial County APCD regarding providing incentive funding for reducing emissions of PM10 and NOx throughout Imperial County and is pursuing the MOU with San Diego APCD in case emissions exceed the applicability thresholds during construction.</p> <p>Acknowledgement of compliance with this mitigation measure was issued by the CPUC on September 13, 2010. Construction-phase activities and emissions would be limited in accordance with the AQPMC (June 9, 2009) and the fuel use cap and other activity caps in the CEMP (January 21, 2010). The resultant emissions are expected to remain less than the federal General Conformity de minimis thresholds for the San Diego Air Basin. Mitigation Measure AQ-1h, which involves achieving emission reductions to levels below the federal thresholds, would be satisfied based upon these lower emissions.</p>
AQ-04a: Report quarterly the status of carbon credits	<p>SDG&E sent an email regarding greenhouse gas emissions off-sets to the CPUC on August 27, 2009. The emissions off-sets approach was conditionally approved on September 7, 2009. Aspen sent an email approving the proposed off-set purchases on November 9, 2009 and SDG&E purchased CRTs to satisfy this measure. SDG&E will report the quarterly status of efforts to create reductions or obtain banked credit and the quantity of construction-phase greenhouse gas emissions offset by credits.</p>
AQ-04c: Submit SF6 leak detection and repair program 90 days prior to construction	<p>On April 2, 2010, the CPUC approved the submittals provided by SDG&E that documented its partnership with the U.S. EPA and development of a SF6 Leak Detection and Repair Program, which addressed the requirements included in this measure. The CPUC approval acknowledged satisfaction of this measure.</p>
AQ-04c: Become a Partner in EPA's SF6 Partnership prior to construction.	<p>The Partnership MOU between SDG&E and the U.S. EPA was established on February 24, 2010.</p>
AQ-04c: Report SF6 emissions to CCAR	<p>The Avoid SF6 Emissions SF6 Mitigation Plan was approved on March 12, 2010.</p>
AQ-APM-02: Prohibit grading when wind exceeds 25 mph	<p>This mitigation measure will be fulfilled during construction. SDG&E will prohibit construction grading on days when the wind gusts exceed 25 mph to the extent feasible.</p>
AQ-APM-02: Cover loads in trucks or maintain 2 feet of freeboard	<p>This mitigation measure will be fulfilled during construction.</p>
AQ-APM-02: Install snow fence-type windbreaks	<p>This mitigation measure will be fulfilled during construction.</p>
AQ-APM-02: Limit vehicle speeds to 15 mph on unpaved roads	<p>When feasible, vehicles (with the exception of earth moving equipment) will be limited to 15 mph on unpaved roads. This mitigation measure will be implemented during construction.</p>
AQ-APM-02: Water unpaved roads	<p>This mitigation measure will be fulfilled during construction.</p>
AQ-APM-02: Apply soil stabilizers	<p>This mitigation measure will be fulfilled during construction.</p>
AQ-APM-02: Contain exposed stockpiles of soil and other material	<p>This mitigation measure will be fulfilled during construction.</p>
AQ-APM-03: Use methods to minimize mud and dust tracking on paved roads	<p>This mitigation measure will be fulfilled during construction. The Dust Control Plan approved by the CPUC on January 20, 2010 will be implemented and enforced during construction.</p>
AQ-APM-04: Encourage carpooling to job sites	<p>The SWEAP video, approved by the CPUC on March 15, 2010, encourages carpooling. This video will be shown to all Project Personnel and enforced throughout all phases of the Project.</p>
AQ-APM-05: Minimize vehicle idling time with common sense approach	<p>The SWEAP video was approved by the CPUC on March 15, 2010. The video addresses vehicle idling. The video will be shown to all Project personnel and enforced throughout all phases of the Project.</p>
AQ-APM-05: Conduct briefings on common sense vehicle use	<p>This mitigation measure will be implemented during construction.</p>
H-01a: Submit a grading and drainage plan prior to construction	<p>Grading, drainage and landscaping plans for the Suncrest Substation were submitted on March 24, 2010 and June 22, 2010. The SWPPP for the substation was submitted on September 15, 2010. CPUC approved the Grading Plan on October 13, 2010.</p>

Mitigation Measure and APM	Status
H-01a: Grade at substations during dry season months	This mitigation measure will be fulfilled during construction as per the SWPPP submitted on September 15, 2010.
H-01a: Cease construction during rainfall when rutting occurs	This mitigation measure will be fulfilled during construction as per the SWPPP submitted on September 15, 2010.
H-01a: Install drainage and erosion control BMPs prior to winter rains	This mitigation measure will be fulfilled during construction as per the SWPPP submitted on September 15, 2010.
H-02d: Provide vehicle and equipment maintenance log monthly	This mitigation measure will be implemented during construction. A vehicle and equipment maintenance log will be provided to the CPUC and BLM once monthly during project construction.
H-04b: Manage blasting near wells or springs with a Blasting Plan for each site	Two existing water wells occur on Link 3. Protection of these wells will be addressed in site-specific blasting plan that will be developed during construction as needed. Blasting plans will be submitted to the CPUC prior to blasting at the site.
H-05a: Construct substation pads with pervious surfaces	The pad for substation will be constructed with a gravel surface in appropriate areas as depicted in the approved grading plans to ensure maximum percolation of rainfall after construction.
H-05a: Install detention/retention basins	Detention/retention basins shall be installed as shown in the landscaping and drainage plans submitted to the CPUC on June 22, 2010 and approved on October 13, 2010.
H-05a: Provide erosion protection to downstream drainage discharge points	Erosion protection for downstream drainage points will be installed as shown in the landscaping and drainage plans submitted to the CPUC on June 22, 2010. These plans were approved by CPUC on October 13, 2010.
H-05a: Submit drainage design hydrologic and hydraulic analysis prior to construction	Grading plans for Suncrest Substation were submitted on March 24, 2010 and June 22, 2010. Landscape and drainage plans were submitted on June 22, 2010. SDG&E submitted a copy of the Drainage Study to the CPUC in response to comments regarding the hydrologic and hydraulic analysis on October 5, 2010. CPUC approved the Suncrest Substation Drainage Study on October 13, 2010.
H-07a: Submit a Hazardous Substance Control and Emergency Response Plan 60 days prior to construction	A memo was submitted to the CPUC on Wednesday September 15, 2010 documenting compliance with this mitigation measure and Waste Discharge Identification numbers assigned by the California State Water Resources Control Board. Compliance with this mitigation measure was fulfilled by development of the SWPPP submitted to the CPUC on September 15, 2010. WID#937C357500 was assigned to the Suncrest Substation.
WQ-APM-01: Minimize disturbance to water resources	This mitigation measure will be fulfilled during construction. Grading plans for Suncrest Substation were submitted on March 24, 2010 and June 22, 2010. Landscape and drainage plans were submitted on June 22, 2010. These plans demonstrate how disturbance to water resources will be minimized.
WQ-APM-02: Avoid sensitive water features	A memo was submitted to the CPUC and Aspen documenting compliance with Mitigation Measure WQ-APM-2, Task 1, on August 30, 2010. The April 30, 2010 Mapbook illustrates changes to the final design incorporating relocation of structures to avoid sensitive features to the maximum extent possible. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010.
WQ-APM-03: Clearly mark restricted sites prior to construction	Specific sites as identified by authorized agencies will be staked and flagged by a qualified biologist prior to construction and documented in the weekly monitoring report.
WQ-APM-03: Train construction personnel to recognize markers	The SWEAP video approved by the CPUC on March 15, 2010 and includes recognition of markers and equipment movement restrictions. This SWEAP will be shown to all project personnel and enforced throughout all phases of the Project.
WQ-APM-04: Maintain adequate distance from stream banks	This mitigation measure will be fulfilled during construction as per the SWPPP submitted on September 15, 2010.
WQ-APM-04: Use existing bridges to cross major streams	This mitigation measure will be fulfilled during construction as per the SWPPP submitted on September 15, 2010.
WQ-APM-04: Span riparian areas where feasible	Impacts to surface water, riparian areas, and floodplains, were considered during design of the project and have been avoided or will be spanned, to the extent feasible. The Project Modification Report submitted on May 14 and acknowledged by a Determination Memorandum from the CPUC dated September 22, 2010 describes changes to the Suncrest Substation (PMR29). A small intermittent drainage crosses the northern portion of the substation footprint. This area is addressed in the Suncrest Substation Drainage Study approved by the CPUC on October 13, 2010.

Mitigation Measure and APM	Status
WQ-APM-04: Prepare and implement erosion control BMPs per the SWPPP	SDG&E has obtained a WDID #937C357500 for this site and the SWPPP was submitted on September 15, 2010. Implementation of the SWPPP will be performed during construction. Qualified Stormwater monitors will be on-site during construction monitoring erosion control. This will be documented in the weekly monitoring report.
WQ-APM-04: Select upland pull sites to minimize disturbance to water resources	There are no pull sites included as part of construction activities for the substation; therefore, this measure does not apply.
WQ-APM-04: Do not place structures in streambeds or drainage channels	To the extent feasible, structures were not designed to be located within streambeds and drainage features. Construction areas are shown in the Project Modification Report Map Book submitted to the CPUC on May 14, 2010 and approved by the CPUC and BLM in the Determination Memorandum on September 22, 2010. Construction activities at Suncrest will include construction of a box culvert at the Bell Bluff Truck Trail and Peterson Creek Crossing.
WQ-APM-05: Construct stream crossings and develop a mitigation and restoration plan	Stream crossings will be constructed at low flow periods when feasible. The HMMP submitted on July 14, 2010 addresses mitigation and restoration associated with construction activities that affect stream crossings.
WQ-APM-06: Avoid designated surface water protection areas	Designated surface water protection areas will be avoided. Potable water obtained from municipal sources will be delivered to and used for construction at the Suncrest Substation and Wilson Yard, until required authorizations are obtained to utilize reclaimed water.
WQ-APM-06: No diversions, detention, retention, or consumption of surface waters	No diversions, detention, retention or consumption of surface waters will be performed unless specifically authorized by appropriate agencies and necessary permits are obtained.
WQ-APM-06: Conduct interviews with affected landowners prior to construction	Consultations with affected landowners have taken place and water wells have been identified.
WQ-APM-06: Negotiate with landowners to provide alternative water supplies	SDG&E has consulted with affected landowners regarding protection of groundwater supplies; no groundwater supplies will be used during construction therefore this mitigation measure is not applicable.
WQ-APM-08: Obtain permits prior to discharging groundwater into storm drains	Groundwater supplies will not be used during project construction; therefore this mitigation measure is not applicable.
WQ-APM-08: Contain and sample if dewatering and then release water according to test results	Discharge of groundwater will not be required during construction. If dewatering is necessary during construction, the requirements of this measure will be implemented.
WQ-APM-09: Storing fuels and hazardous materials prohibited near wells	Two wells have been identified on Link 3. The well located within the 200' buffer along the road will be closed and the well in the center of the substation will be appropriately protected to prevent fuels and hazardous materials from entering it. The well in the center of the substation will be used post construction for fire protection and irrigation. This mitigation measure will be fulfilled during construction.
WQ-APM-10: Minimize stream bank erosion	Substation equipment would not be installed in areas that cross below or pass adjacent to streams with erodible bed or banks; therefore, this measure is not applicable.
WQ-APM-13: Dispose trash into enclosed containment	A trash enclosure will be provided during construction.
WQ-APM-13: Remove hazardous materials to a hazardous waste facility and promptly clean up if released onto ground	This mitigation measure will be fulfilled during construction.
WQ-APM-14: Obtain NPDES permit and implement a SWPPP	The SWPPP and NPDES permits associated with WDID #937C357500 were submitted to the CPUC on September 15, 2010. The conditions of the permit and SWPPP will be implemented and enforced during the Project to prevent and avoid hydrologic impacts.
WQ-APM-15: Adjust route of access roads to avoid sensitive features	To the extent possible, access roads were designed to be constructed as outlined in this mitigation measure. The Project Modification Report and Mapbook submitted May 14, 2010 and approved by the CPUC through a Determination Memorandum on September 22, 2010 identified modifications to the Project that reduce impacts to "waters of the U.S." or waters of the state. Revised 401, 404 and 1602 permit applications were submitted for review and approval on August 18, 2010 and March 30, 2010. SDG&E will not impact streambeds until the required permits are issued. (see BIO-APM-05)

Mitigation Measure and APM	Status
WQ-APM-15: Use existing roads or cross-country access routes	Construction and maintenance traffic will use existing roads where feasible. This mitigation measure will be fulfilled during construction.
WQ-APM-15: Clearly mark approved construction traffic routes	Construction traffic routes associated with Link 3 have been identified as Japutal Valley Road to Bell Bluff Truck Trail. These construction routes were approved by the County of San Diego during the August 24, 2010 meeting and with affected landowners.
WQ-APM-16: Conduct site-specific assessment where sensitive water resources cannot be avoided	Biological, hydrology and cultural resource assessments were completed in accordance with the ACOE and CDFG guidelines. An ACOE 404 Nationwide 12, CDFG 1600 Streambed Alteration Agreement and Regional Water Quality Control Board 401 Water Quality Certification were submitted March 30, 2010.
WQ-APM-16: Locate staging/storage areas outside of riparian areas	Staging and storage areas for equipment and materials have been located outside of riparian areas.
WQ-APM-16: Obtain a Streambed Alteration Agreement when constructing new access through streambeds	Biological, hydrology and cultural resource assessments were completed in accordance with the ACOE and CDFG guidelines. An ACOE 404 Nationwide 12, CDFG 1600 Streambed Alteration Agreement and Regional Water Quality Control Board 401 Water Quality Certification permit applications were submitted March 30, 2010.
G-03a: Submit design-level geotechnical studies 60 day prior to final project design	A Geotechnical Investigation Report for Suncrest Substation dated December 21, 2009 was approved by the CPUC on September 2, 2010. The final project design is based on the findings of this report.
GEO-APM-01: No widening or grading of existing access roads if soil is sensitive to disturbance	The FEIR/EIS identified sensitive soils as "natural sand sources that supply the material for sand dune systems throughout the [ABDSP]. The project no longer impacts ABDSP and there are no sand dune systems along the project route; therefore, this mitigation measure does not apply.
GEO-APM-02: Minimize soil disturbance or return to pre-construction contours and condition	This mitigation measure will be fulfilled during and post construction.
GEO-APM-03: Avoid placing structures in areas of high shrink/swell potential	A report titled, "Geotechnical and Geologic Hazards Investigation Report" was submitted to CPUC for review and approval on April 19, 2010 and approved on September 2, 2010. No areas of high shrink/swell were identified in the report; therefore, this measure does not apply.
GEO-APM-04: Place structures in geologically stable areas	A Geotechnical Investigation Report for the Suncrest Substation dated December 21, 2009 was submitted on April 19, 2010 and approved by the CPUC on September 2, 2010. The final project design is based on the findings of this report.
GEO-APM-05: Implement construction to avoid or minimize new soil disturbance	The pre-construction portion of this measure is complete. Project construction activities are designed to avoid or minimize new disturbance, erosion on manufactured slopes, and off-site degradation from accelerated sedimentation. During construction, impacts from accelerated sedimentation will also be minimized.
GEO-APM-05: Maintain cut and fill slopes with erosion control and repair	This mitigation measure will be fulfilled during construction.
GEO-APM-06: Perform surface restoration for erosion control and re-vegetation	This mitigation measure will be fulfilled during construction as per the Grading and Landscaping and Draining plans submitted to the CPUC on March 24, 2010 and June 22, 2010.
GEO-APM-08: Remove or stabilize boulders and span structures over landslide areas	This mitigation measure will be fulfilled during construction.
GEO-APM-09: Implement field mitigation efforts if paleontological resources are encountered	If paleontological resources are encountered during construction, this mitigation measure will be implemented.
GEO-APM-09: Consult with agencies if paleontological resources cannot be avoided	If paleontological resources are encountered during construction, this mitigation measure will be implemented.
PSU-APM-01: Coordinate with utility providers	There are no third party utilities that will be affected by the project; therefore, this mitigation measure does not apply.
PSU-APM-02: Notify USA 48 hours prior to earth-disturbing activities	This mitigation measure will be implemented immediately prior to construction.

Mitigation Measure and APM	Status
PSU-APM-03: Minimize disruption to response times and access for emergency and police services	The FEIR/EIS and a Traffic Impact Analysis performed by SDG&E indicated that construction of the substation should not cause lane closures or impact emergency and police services. However, SDG&E will coordinate activities with emergency responders during construction.
S-03a: Provide documentation to show amount of waste recycled	This mitigation measure will be fulfilled during and post construction.
S-03b: Coordinate with water districts	A Water Use Study that discussed coordination efforts with local water districts was submitted for review on February 22, 2010. Potable water will be used during construction until approval is received to use reclaimed water. Copies of approvals and/or permits will be submitted to the CPUC prior to use of reclaimed water or surface water.
S-03b: Provide letter 60 days prior to construction	A Water Use Study describing the availability of reclaimed water was submitted on February 22, 2010.
F-01a: Submit draft Construction Fire Prevention Plan 90 days prior to construction	A Construction Fire Plan was acknowledged by the CAL FIRE Chief and was approved by the CPUC on February 2, 2010. Coordination with Cal FIRE will continue during construction to assess and mitigate any additional fire hazards associated with substation construction activities.
F-01a: Receive approval of final Plan 30 days prior to construction	A Construction Fire Plan was acknowledged by the CALFire Chief and approved by the CPUC on January 20, 2010. Coordination with Cal Fire will continue during construction to assess and mitigate any additional fire hazards associated with the substation construction activities.
F-01a: Implement Fire Plan during construction and maintenance	The pre-construction component of this measure has been completed. A Construction Fire Plan was acknowledged by the CALFire Chief and was approved by the CPUC on January 20, 2010. This Plan has integrated the requirements of this mitigation measure and will be implemented and enforced during construction.
F-01c: Do not obstruct firefighting equipment or crews	The Traffic Impact Study illustrated that construction will not obstruct emergency response operations; however, SDG&E will ensure that construction does not obstruct firefighting operations.
F-01c: Coordinate fire suppression activities and unobstruct access roads at all times	This measure will be implemented during construction.
F-01c: Cease construction in work areas if fire within 1,000 feet	This measure will be implemented during construction.
F-01c: Contact dispatch centers 2 days prior to helicopter use	Helicopters will not be used during construction at Suncrest. This mitigation measure will be implemented regarding helicopter operations at Wilson Yard.
F-01d: Clear and spread onsite dead and decaying vegetation prior to construction and maintenance	SDG&E will clear dead and decaying vegetation from the work area prior to starting construction and/or maintenance work. Clearing of dead and decaying vegetation will be monitored during construction and observations will be summarized and submitted to the CPUC in the weekly report.
F-02b: Relocate 69 kV lines onto non-specular steel poles using vertical conductor construction	There are no existing 69kV poles within 100 feet of the Suncrest Substation; therefore, this measure does not apply.

ATTACHMENT B

Wilson Ponds



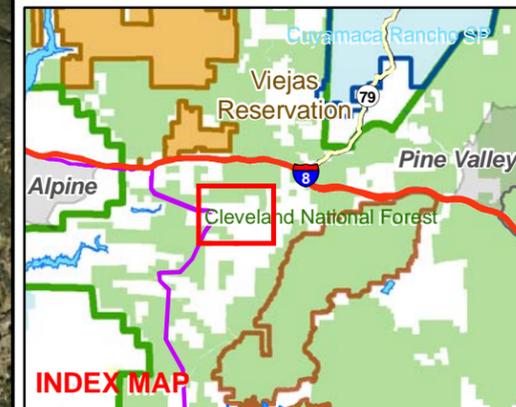
SUNRISE POWERLINK™

LEGEND

- Milepost
- Proposed Structure
- ⊙ TSAP (Tower Staging Access Pad)
- Sunrise 500kV Overhead
- - - Sunrise 230kV Overhead
- - - - - Potential Water Pipeline
- Beta Area to be Used
- New Road - Proposed Road Construction
- New Road - Proposed Road Construction
- Construction Yards
- Right of Way
- Temporary Pull Site
- Structure Pad Area
- Temporary Construction and Maintenance Pad
- Substation Impact Area
- Suncrest Substation



0 1,000 2,000
 SCALE IN FEET



**Figure L
 WILSON CONSTRUCTION YARD
 WATER ACCESS
 SUNCREST SUBSTATION**



A Sempra Energy utility

10-05-2010

