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November 9, 2010

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

Subject: Notice to Proceed (NTP) Request to Construct on Non-federal Lands within
Links 1, 2, and 5 - 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. The preconstruction mitigation requirements are substantially the same throughout several Links and Segments along the project alignment, therefore SDG&E is requesting authorization from the CPUC to begin construction on non-federal lands on Links 1, 2, and 5 (Segments 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, and 18 as identified in the Mitigation Monitoring, Compliance and Reporting Program [MMCRP]), as well as the reconductoring that will be completed as part of the system upgrades (Segments 20, 21, and 22 as identified in the MMCRP). Work within these areas would occur in Imperial and San Diego counties.

At this time, SDG&E is requesting authorization from the CPUC to begin construction activities on non-federal lands along Links 1, 2, and 5. Attachment A: Preconstruction Status Reports outlines where the preconstruction mitigation measures have been fulfilled, landowner and/or land managing agency authorization has been received, and the necessary permits have been obtained. SDG&E is working with the U.S. Forest Service, Bureau of Land Management (BLM), and the Marine Corps Air Station (MCAS) Miramar and will obtain separate authorizations prior to conducting work on federal lands.

Overhead Components

The following summarizes the overhead construction activities that SDG&E requests to begin on non-federal lands on Link 1, 2, and 5, as well as the reconductoring work on three Segments (20, 21, and 22).

Link 1 consists of approximately 54 miles of single-circuit 500 kilovolt (kV) transmission line construction, beginning in the El Centro area of Imperial County and traversing west through eastern San Diego County to the Cleveland National Forest (CNF) boundary, where it terminates at milepost (MP) 53.9. The Link 1 alignment crosses federal, state and private land (refer to pages MS-01 through MS-62 of the Project Modification Report [PMR] Map Book). Link 2 includes approximately 46 miles of single circuit 500-kV transmission line construction beginning at MP 53.9 at the CNF and ending east of the City of Alpine at MP 90.0. Link 2 crosses federal, local agency and private lands. The majority of Link 2 is located on the CNF, but portions cross BLM, City of San Diego and private lands (refer to pages MS-62 through MS-107 of the PMR Map Book). Link 5 includes approximately 27 miles of double-circuit 230 kV transmission line construction from MP 90.0 to MP 92.0 and MP 98.0 to MP 117.0 (refer to pages MS-107 through MS-109 and MS-116 through MS-137 of the PMR Map Book). Link 5 crosses federal, local agency and private land.

Overhead construction includes construction of transmission line structures, as well as construction of ancillary facilities such as Tower Staging and Access Pads (TSAPs), pull sites, and guard structures. In addition, the AER, Rough Acres Phase II¹, Jacumba Valley Ranch, Bartlett, Kreutzkamp, SWAT Training Facility, Hartung and Helix construction yards will be used to stage and store materials. New access roads and upgrades to existing access roads will also be conducted on the overhead alignment. Project boundaries and work areas are shown in the April 30, 2010 PMR Map Book, which was submitted to the CPUC on May 14, 2010 and approved on September 22, 2010.

Reconductoring of three existing 69 kV tie-lines (TL) will occur between the Sycamore Canyon Substation and Elliot Substation (Segment 20, TL 639), Sycamore Canyon Substation and Scripps Substation (Segment 21, TL 6916), and Sycamore Canyon Substation and Pomerado Substation (Segment 22, TL 6915/6924). The approximately 6.4 miles of reconductoring between the Sycamore Canyon Substation and Scripps Substation is shown on pages RC-12 through RC-15 of the PMR Map Book. The approximately 8.2 miles of reconductoring between the Sycamore Canyon Substation and Elliot Substation is shown on pages RC-06 through RC-11 of the PMR Map Book and the approximately 1.9 miles of reconductoring between the Sycamore Canyon Substation and Pomerado Substation is shown on pages RC-01 and RC-02 of the PMR Map Book. Reconductoring activities will include minor access road maintenance, pole replacement, insulator replacement, and stringing activities. All three of these tie-lines occur on both private and federally-managed lands. No work will occur on federal land until an authorization to proceed has been received from the MCAS Miramar.

Land Ownership

SDG&E has secured easements from each landowner crossed by the overhead route, with the exception of 16 landowners affecting 48 parcels. SDG&E is currently negotiating with these landowners to obtain easements and will not conduct work on their parcels until agreements are in place. To date, a total of 40 towers, one TSAP and pullsite, and two construction yards are located on private property with restricted access. A list of restricted areas has been provided in Attachment B: Landowner Restrictions. In addition, restricted areas are shown in Attachment C: Land Ownership Map. Restricted access is shown on the Land Ownership Map and will be signed in the field "No Project Access" until the easements are in place.

¹ Phase I use of the Rough Acres Construction Yard is currently underway, as approved in NTP #5.

Environmental Conditions

Biological Resources

Several environmental plans and permits are currently under review with the resource agencies, including the U.S. Army Corps of Engineers Nationwide Permit #12, California Department of Fish and Game 2081 Incidental Take Permit and 1600 Streambed Alteration Agreement, and the State Water Resource Control Board-issued 401 Water Quality Certification. SDG&E anticipates that the permits will be issued and the associated resource protection plans approved by December 3, 2010. SDG&E will provide the CPUC with copies of the final permits when they are received.

Rare plant and appropriate wildlife surveys have been completed for the 2010 survey season. SDG&E has the most current data for sensitive resource locations along the overhead route, including the reconductoring alignments and associated work areas, and is in the process of compiling final survey reports for submittal to the agencies. Final survey reports will be provided to the CPUC and other appropriate agencies for review as required by the Project mitigation measures.

Outstanding mitigation measures associated with biological resources include B-1a, B-2a, B-5a, B-7e, B-7i, B-7j, B-7l, G-CM-17, G-CM-33, and G-CM-45. These measures are primarily associated with resource protection plans and apply to each Segment of the overhead alignment. These measures are described in more detail in Attachment A: Preconstruction Status Reports and are shown as pending or to be completed immediately prior to construction as denoted by the color yellow.

Cultural Resources

Below is a description of cultural resource sites along the overhead alignment that cannot be avoided during construction. These sites will be evaluated for eligibility and a determination will be made for treatment. A Historic Properties Treatment Plan (HPTP) is currently under development. No work will occur at these sites until the HPTP has been approved and mitigation measures C-1b, C-1c, C-6a, C-6e, and C-6f have been fulfilled.

Link 1

A Final Class III Inventory was approved by the CPUC and the BLM on June 2, 2010. There are 26 cultural resource sites in areas of direct ground disturbance in Link 1. Sixteen of these resource areas are located entirely on BLM land and two sites are located on both BLM and private lands. The remaining eight sites are on private property. Eligibility evaluations of the identified resources have begun and the HPTP describing the results will be prepared and implemented as appropriate.

A cultural resources survey was conducted by ASM Affiliates, Inc. (ASM) at the Rough Acres Construction Yard. The cultural resource assessment of this yard is included in the approved Final Inventory Report of the Cultural Resources within the Approved SDG&E Sunrise Powerlink FESSR and the process for protection of resources is provided in the approved final Historic Properties Management Plan (HPMP). The cultural resources survey identified four cultural resource isolates and two prehistoric archaeological sites on the yard site. Based on recommendations and procedures identified in the final HPMP for the Project, an Environmental Sensitive Area (ESA) with a 20 meter buffer will be established through staking and flagging around the two cultural resource sites. The ESAs will be installed by a qualified cultural resource professional and will be maintained over the duration of use of the Rough Acres Construction Yard. No ground disturbing activity will be permitted within the ESAs. Additionally, a qualified cultural resource professional and Native American consultant will be present during all ground disturbing activities at the Rough Acres Construction Yard to ensure that any previously unknown cultural resource sites are appropriately managed.

Link 2

A Final Class III Inventory was approved by the CPUC and the BLM on June 2, 2010. There is one cultural resource site in an area of direct ground disturbance on Link 2. This site is on private and

CNF land. The portion of the site on private land in an area of direct ground disturbance was evaluated for eligibility and the preliminary recommendation is that the evaluated portion is not eligible for nomination to the National Register of Historic Places or the California Register of Historical Resources. The report presenting this information is currently being prepared. The portion of the site on CNF land is not in an area of proposed ground disturbance and will be protected as an ESA during construction.

Link 5

A Final Class III Inventory was approved by the CPUC and the BLM on June 2, 2010. There are no cultural resource sites in areas of direct ground disturbance in Link 5.

Reconductoring

A Final Class III Inventory was approved by the CPUC and the BLM on June 2, 2010. There are no cultural resource sites in areas of direct ground disturbance in the identified reconductoring areas.

Work would only occur on portions of the overhead that are outside known areas of cultural resource sites and on non-federal lands. Qualified archaeological monitors and regionally appropriate Native American representatives and/or monitors will be present during project activities in the vicinity of ESAs and in areas identified as sensitive for cultural resource discovery.

Visual Resources

SDG&E has coordinated with the CPUC's visual resources specialist to refine the alignment to reduce visual impacts along the overhead portion of the Project. SDG&E is waiting on final comments and revisions from the CPUC to complete mitigation measures V-2a, V-2b, and V-2c for Project areas on non-federal lands.

With the exception of the pending mitigation measures listed above, all preconstruction measures have been met for the overhead portion of the Project (see Attachment A: Preconstruction Status Reports). All other required mitigation measures, as stated in the MMCRP, will be implemented immediately prior to, during construction, prior to energization, or following the completion of construction. Please note that Attachment A: Preconstruction Status Reports includes all measures associated with design, preconstruction and during implementation; however, post construction measures are not included in Attachment A and can be referenced in the MMCRP. Also included with this request is the landowner notification map, as requested by the CPUC (Attachment D: Landowner Notification Map.) SDG&E asks for authorization of this NTP request in order to begin construction on all non-federal lands on the Sunrise Powerlink Project, conditioned on the pending mitigation measures and restrictions listed above. Should you have any questions or need additional information, please do not hesitate to contract me at (858) 650-4064.

Sincerely,



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Attachments (4)

ATTACHMENT A: PRECONSTRUCTION STATUS REPORTS

Attachment A: Preconstruction Status Report

Tuesday, November 09, 2010

12:11:38 PM

Report Criteria:

AGENCY: CPUC

LOCATION: Link 1

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 1

Note: This table contains U.S. Fish and Wildlife Service Conservation Measures in addition to the mitigation measures and applicant proposed mitigation measures from the Final EIR/EIS. These conservation measures are denoted in the table as G-CM-# or SS-G-#.

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 Project will impact sensitive vegetation communities on lands already in use as mitigation. A draft Habitat Acquisition Plan, which discusses doubled mitigation ratios on lands already in mitigation, was submitted for review and approval on February 4, 2010.
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	SDG&E submitted a memo to CPUC for the administrative record on October 26, 2010 to document coordination of access road gate installation prior to construction.
B-01a: Submit documentation of coordination 30 days prior to construction	SDG&E submitted a memo to CPUC for the administrative record on October 26, 2010 to document coordination of access road gate installation prior to construction.
B-01a: Post signs on access road gates prohibiting unauthorized users	This mitigation measure will be fulfilled during construction.
B-01a: Provide funding for off-road vehicle patrols	SDG&E has coordinated with land managers regarding unauthorized use of access roads by off-road vehicle enthusiasts, including funding of off-road vehicle patrols and gate installation. A memo was submitted to CPUC for the administrative record on October 26, 2010 documenting coordination.
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 and a revised plan incorporating comments was resubmitted on October 25, 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 final HAP/HMP was 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.
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.

Mitigation Measure and APM	Status
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 accepted by the Army Corps of Engineers on August 27, 2010.
B-02a: Mitigate impacted areas as required by wetland permitting	Where avoidance of jurisdictional areas is not feasible, SDG&E shall provide the necessary mitigation required as part of wetland permitting as outlined in this measure. SDG&E submitted a HMMP on July 14, 2010 and a revision to the HMMP on October 7, 2010. The HMMP has been accepted by the ACOE, CDFG and SWRCB in concept, the agencies have asked that the report be reformatted to break out each mitigation property separately.
B-02a: Prepare jurisdictional delineation and impact assessment	The entire 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. Project components were relocated to the extent feasible to minimize impacts. Where impacts were unavoidable, SDG&E prepared and submitted permit applications to the appropriate agencies. Jurisdictional areas are shown on the PMR mapbook, as well as the individual permit applications. Final Grading Plans and Plan and Profiles has been submitted to the CPUC on September 2, 2010.
B-02a: Mitigate for jurisdictional wetland habitat	Where avoidance of jurisdictional areas is not feasible, SDG&E shall provide the necessary mitigation required as part of wetland permitting as outlined in this measure. SDG&E submitted a HMMP on July 14, 2010 and a revision to the HMMP on October 7, 2010. The HMMP has been accepted by the ACOE, CDFG and SWRCB in concept, the agencies have asked that the report be reformatted to break out each mitigation property separately.
B-02a: Obtain wetland permits prior to construction	Revised wetland permit application were submitted for review and approval on March 30, 2010.
B-02a: Delineate all limits of construction	The April 30, 2010 Mapbook submitted on May 14, 2010 and approved through a Determination Memorandum on September 22, 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	This mitigation measure will be fulfilled during construction.
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 by the BLM and CPUC on September 8, 2010. Implementation of the Weed Control Plan will occur during construction.
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	The Weed Control Plan addresses surveying for invasive exotic species during construction and annually following construction to monitor previously-identified and treated populations and to identify new invasive weed populations for the life of the Project. Treatment of weeds will occur on a minimum annual basis unless otherwise approved by the PCA, San Diego County Agricultural Commissioner, and Cal-IPC. 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	This mitigation measure will be fulfilled during/post construction.
B-03a: Submit monthly wash logs during construction and annual logs during operation/maintenance	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. The 2010 survey report will be provided to the agencies prior to construction.
B-05a: Stake or flag special status plant populations	Special status plant populations will be staked or flagged by a qualified biologist.
B-05a: Avoid impacts to federal and state listed plant species	Where feasible, impacts to federal or State listed species shall be avoided. The Project Modification Report Mapbook submitted on May 14, 2010, shows both sensitive resources and the locations of areas that may be disturbed. Where not feasible, SDG&E will not impact federal or State listed species until compensation occurs as outlined in this mitigation measure.
B-05a: Submit a Restoration Plan for federal and state listed plants	SDG&E has submitted a Restoration Plan for Sensitive Vegetation Communities for Temporary Impacts to the agencies for review on September 24, 2010. A revised plan incorporating comments received from CPUC was resubmitted on October 25, 2010. SDG&E will not impact rare plants until a restoration plan is agreed upon with the appropriate agencies.
B-05a: Avoid impacts to moderately sensitive plant species	Where feasible, impacts to moderately sensitive plants shall be avoided. The Project Modification Report Mapbook submitted on May 14, 2010, shows the locations of areas that may be disturbed. Where avoidance is not feasible, SDG&E will not impact moderately sensitive plant species until compensation occurs as outlined in this mitigation measure.
B-05a: Submit a Restoration Plan for special status plant species	A qualified Habitat Restoration Specialist will develop a restoration plan. The plan shall be prepared and implemented as outlined in this mitigation measure.
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 or fencing will be installed to prevent the entrapment of wildlife during construction. Ramping may also be installed at excavations to allow wildlife to escape. This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
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.
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-07b: Mitigate impact by following all applicable measures in the Flat-Tailed Horned Lizard Rangeland Management Strategy	A proffer of monetary contribution form and check in the amount of \$348,450 was provided to the BLM on November 13, 2009 for impacts to FTHL habitat.
B-07b: Submit a Habitat Management Plan	A proffer of monetary contribution form and check in the amount of \$348,450 was provided to the BLM on November 13, 2009. Because no habitat has been acquired, a Habitat Management Plan is not required.
B-07c: Limit activities in bighorn sheep critical habitat October 1-December 31 or maintain 1,500-foot ceiling for flights	This mitigation measure will be fulfilled during construction. SDG&E will have a USFWS-approved bighorn sheep monitor conduct surveys prior to any land survey activities and monitor the land surveyors to minimize impacts to bighorn sheep.
B-07c: Provide compensation for direct loss of critical habitat	Compensation for direct loss of PBS critical habitat is outlined in the Habitat Acquisition Plan/Habitat Management Plan.
B-07c: Submit a Habitat Management Plan	A Habitat Management Plan was submitted to the CPUC for review and approval on September 22, 2010.
B-07d: Conduct survey within 30 days prior to construction	A burrowing owl survey will be conducted by a qualified biologist within 30 days prior to construction as outlined in this measure.
B-07d: No disturbance shall occur if burrowing owl is present	A survey shall be conducted 30 days prior to initiation of construction by a qualified biologist to ensure that no burrowing owls are present and if a burrowing owl is discovered, this mitigation measure will be followed. This mitigation measure will be fulfilled during construction
B-07d: Inspect construction material daily	This mitigation measure will be fulfilled during construction.
B-07d: Passively relocate owls prior to construction and outside of breeding season September 1-January 31	If owls are found at the site prior to or during construction, passive relocation of burrowing owls will be performed in coordination with the CDFG as outlined in this measure.
B-07d: Mitigate for loss of burrowing owl habitat	Preconstruction surveys for burrowing owls will be required 30 days prior to construction. If burrowing owls are encountered, mitigation for loss of occupied burrowing owl habitat shall occur as outlined in this mitigation measure.
B-07d: Submit a Habitat Management Plan	One burrowing owl has been observed along the project at the Dunaway Yard. The status of this owl is unknown and preconstruction surveys will be conducted to determine if burrowing owl habitat is impacted by construction activities.
B-07e: Conduct grading or brushing outside of breeding season September 16-March 14	The Riparian Birds Survey Report 2009 was submitted to CPUC for review on January 14, 2010 and was approved by CPUC on August 26, 2010. The 2010 survey report was submitted on October 28, 2010. This measure will be implemented during construction.
B-07h: No activities within 4,000 ft. of eagle nest during breeding season	Data was obtained from the USFS and BLM regarding potential eagle nest locations for 2009. 2010 surveys were performed by SDG&E. This measure will be implemented during and post construction.
B-07i: Determine suitable habitat areas of QCB	Per USFWS QCB protocol, site assessments for suitable QCB habitat were conducted in 2009 and 2010 by USFWS permitted biologists. The site assessments identified areas requiring protocol surveys. QCB protocol 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.
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	QCB surveys have been conducted in 2009 and 2010. Quino checkerspot butterfly occur on Link 1 near MP 36. All QCB surveys have been conclusive for the project.

Mitigation Measure and APM	Status
B-07i: Submit a Habitat Management Plan	QCB surveys have been conducted in 2009 and 2010. Quino checkerspot butterfly occur on Link 1 near MP 36. Mitigation for QCB is addressed in the Habitat Acquisition and Habitat Mitigation Plan submitted on September 22, 2010.
B-07j: Conduct pre-construction protocol survey	USFWS protocol-level arroyo toad (ARTO) surveys were conducted in 2009 and 2010. The 2009 ARTO Survey Report was submitted to the CPUC on 10/2/2009 and re-submitted to CPUC on 01/14/2010 to address their comments. On 8/26/2010, the CPUC advised that their comments were not fully addressed in the 01/14/2010 re-submittal; however, on 09/02/2010 the CPUC advised that these comments could be addressed in the upcoming 2010 ARTO Survey Report. The 2010 ARTO Survey Report will be available late September to early October 2010. The surveys have concluded that no ARTO have been observed and no critical or proposed habitat exists in Link 1.
B-07j: Remove toad riparian breeding habitat October-December	No arroyo toad habitat exists on Link 1; therefore, this mitigation measure is not applicable.
B-07j: Install exclusion fencing if toad is present and monitor daily during construction	No arroyo toad habitat exists on Link 1; therefore, this mitigation measure is not applicable.
B-07j: Conduct pre- and post-exclusion fencing surveys	No arroyo toad habitat exists on Link 1; therefore, this mitigation measure is not applicable.
B-07j: Conduct daily surveys in the morning prior to work activities	This measure will be implemented during and post construction.
B-07j: Mitigate for the loss of occupied habitat	No arroyo toad-occupied or unoccupied habitat exists on Link 1; therefore mitigation for loss of arroyo toad habitat is not required.
B-07j: Submit a Habitat Management Plan	No arroyo toad-occupied or unoccupied habitat exists on Link 1; 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.

Mitigation Measure and APM	Status
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.
B-10a: Install transmission lines using Avian Power Line Interaction Committee standards	SDG&E shall install transmission lines as outlined in this mitigation measure. Where diverters/markers have been installed, a study will be funded as outlined in this measure.
B-11a: Submit a Raven Control Plan	A Raven Control Plan was submitted on July 22, 2010 to the CPUC, BLM and USFWS. A Final Revised Plan was submitted to the agencies on October 25, 2010 and addressed comments received from the U.S. Fish and Wildlife Service.
BIO-APM-01: Submit protocol surveys for sensitive plant and wildlife	On-the-ground protocol surveys have been conducted for sensitive plant and animal species as appropriate along the entire alignment. SDG&E has submitted survey reports for the 2009 survey season. All 2010 surveys are complete and SDG&E is in the process of providing 2010 survey reports. The 2010 Riparian Bird Survey Report was submitted to the agencies on October 28, 2010. The following reports will be submitted as soon as they are complete; The 2010 Arroyo Toad Survey, the 2010 Quino Checkerspot Butterfly Survey, the 2010 Coastal California Gnatcatcher Survey, and the 2010 Rare Plant Survey.
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	Project and survey activities will be confined to areas noted in final design and engineering drawings.
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 the 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	Final Grading Plans and Plan and Profiles has been submitted to the CPUC on September 2, 2010. Project and survey activities will be confined to areas noted in final engineering drawings.
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.

Mitigation Measure and APM	Status
BIO-APM-05: Construct roads at right angles to streambeds and washes	To the extent possible, access roads shall be constructed as outlined in this mitigation measure.
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 March 30, 2010. Culverts will be installed as necessary.
BIO-APM-05: Minimize disturbance from construction and maintenance activities	This mitigation measure will be fulfilled during construction.
BIO-APM-06: Comply with all applicable environmental laws and regulations	This mitigation measure will be fulfilled during construction.
BIO-APM-07: Littering is not allowed	Littering will be prohibited on this 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.
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 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 entered into SDG&E's mitigation measure tracking system and Sempra's system-wide mapping 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	This mitigation measure will be fulfilled during and post construction.
BIO-APM-18: Design structures and access roads to minimize impacts to sensitive features	A memo was submitted to the CPUC documenting compliance with Mitigation Measure BIO-APM-18, Task 1, on September 1, 2010. The project structures and work areas were designed to avoid sensitive features, to the extent feasible.
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.

Mitigation Measure and APM	Status
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. SDG&E has designed the project in conformance with "Suggested Practices for Avian Protection on Power Lines" (Avian Power Line Interaction Committee 1994, 2006). The project's design standards are explained in the "Sunrise Powerlink Project Overhead Transmission Line Design Criteria," final revision dated July 23, 2009. Conductor separations exceed the recommended suggested practices and, wherever feasible, the towers and lines are located at or below the topographic and natural features adjacent to the proposed line.
BIO-APM-22: Salvaging may include removal and stockpiling for replanting	This mitigation measure will be fulfilled during construction.
BIO-APM-23: Remove only minimum amount of vegetation necessary for construction	This mitigation measure will be fulfilled during construction.
BIO-APM-23: Conserve topsoil in areas of sensitive habitat	This mitigation measure will be fulfilled during construction.
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	See B-1c
G-CM-02: Use SDG&E's Water Quality Construction BMP Manual.	See WQ-APM-4. This mitigation measure will be implemented during construction.
G-CM-03: Obtain NPDES permit and implement a SWPPP.	See WQ-APM-14
G-CM-04: Training to implement conservation measures.	See BIO-APM-2

Mitigation Measure and APM	Status
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.	Final Grading Plans and Plan and Profiles has been submitted to the CPUC on September 2, 2010. Project and survey activities will be confined to areas noted in final dimensioned engineering drawings.
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
G-CM-10: Emergency repairs will follows 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 documenting compliance with Mitigation Measure BIO-APM-18, Task 1, on September 1, 2010. The project structures and work areas were designed to avoid sensitive features, to the extent feasible
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 extend 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

Mitigation Measure and APM	Status
G-CM-16: Impacts, compensation, and a qualified habitat restoration specialist.	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-19: Prepare and implement a Raven Control Plan.	See B-11a
G-CM-20: Develop a Weed Control Plan for pre-construction and non-invasive weed abatement.	See B-3a
G-CM-20: Contents of the Weed Control Plan.	See B-3a
G-CM-23: Use appropriately sized equipment.	This mitigation measure will be implemented during construction.
G-CM-24: Develop a Dust Control Plan.	A Dust Control Plan was approved by the CPUC on January 20, 2010. Dust Control Plan measures will be implemented during project construction. (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.	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

Mitigation Measure and APM	Status
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 Project site specific SWPPPs designate where fueling is permitted to occur. Unless otherwise indicated in the SWPPP's, all other areas are considered "No-Fueling Zones".
G-CM-42: Maintain riparian buffer construction/staging areas and riparian areas.	This mitigation measure will be implemented during construction.
G-CM-44: Determine project limits for temporary and permanent disturbance to occur during maintenance activities.	Final Grading Plans and Plan and Profiles has been submitted to the CPUC on September 2, 2010. Project and survey activities will be confined to areas noted in final engineering drawings. The preconstruction component of this measure is complete. Additional requirements will be implemented during construction.
G-CM-45: Purchase/dedicate suitable habitat for preservation.	See B-1a
SS-CM-01: Avoid Impacts to Thornmint	Focused surveys for San Diego thornmint were conducted in 2009 and 2010. No San Diego thornmint was observed on Link 1; therefore, there are no impacts to this species and this mitigation measure is not applicable.
SS-CM-01: Implement Weed Control Plan (G-CM-20).	Focused surveys for San Diego thornmint were conducted in 2009 and 2010. No San Diego thornmint was observed on Link 1; therefore, there are no impacts to this species and this mitigation measure is not applicable.
SS-CM-02: Compensation of unavoidable impacts.	Focused surveys for San Diego thornmint were conducted in 2009 and 2010. No San Diego thornmint was observed on Link 1; therefore, there are no impacts to this species and this mitigation measure is 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.	Restoration of QCB habitat is not anticipated to be necessary; however, if, during construction, restoration of impacted habitat is needed, SDG&E will follow the Recovery Plan (Service 2003a) for QCB as required by this measure.
SS-CM-06: Quino habitat within the Jacumba Unit.	SDG&E has consulted with the Service regarding impacts to Quino critical habitat. The April 30, 2010 Mapbook and Project Modification Report (PMR) illustrate changes to the final design of the alignment to either avoid or minimize impacts to larvae or adults within critical habitat wherever feasible. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum on September 22, 2010. In addition, Quino critical habitat that could not be avoided through project design will be flagged and monitored during construction.

Mitigation Measure and APM	Status
SS-CM-07: Construction during Quino flight season.	This measure will be implemented during construction.
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.	Arroyo Toad do not occur on Link 1; therefore, this mitigation measure is not applicable.
SS-CM-10: Develop and implement predator control program in USFS lands.	There is no USFS-land associated with Link 1; therefore, this measure is not applicable. (See B-7j)
SS-CM-11: Requirements for arroyo toad-occupied habitat loss.	The Habitat Acquisition Plan discusses mitigation for impacted habitat. A draft Habitat Acquisition Plan was submitted to the CPUC for review and approval on February 4, 2010.
SS-CM-12: Daylight use of access roads to avoid/minimize impacts to arroyo toads.	This measure will be implemented during construction.
SS-CM-13: No construction activities during arroyo toad breeding season.	This measure will be implemented during construction.
SS-CM-15: Do not locate improvements within arroyo toad upland aestivation and riparian breeding habitat.	Arroyo toad habitat does not occur within Link 1; therefore, this mitigation measure is not applicable.
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-2a
SS-CM-18: Develop and implement brown-headed cowbird trapping program for USFS lands.	Link 1 is not located on the Cleveland National Forest; therefore, this mitigation measure is not applicable.
SS-CM-19: Conduct brushing or grading activities within occupied gnatcatcher habitat outside of the breeding season.	There is no CAGN habitat on Link 1, therefore this measure is not applicable to Link 1. See B-7l.
SS-CM-19: Monitor all vegetation clearing activities.	There is no CAGN habitat on Link 1, therefore this measure is not applicable to Link 1. See B-7l.
SS-CM-19: Conduct presence/absence survey 10 days prior to initiating construction activities. Conduct nest survey, as appropriate.	There is no CAGN habitat on Link 1, therefore this measure is not applicable to Link 1. See B-7l.
SS-CM-19: Establish no-construction barrier around active nests.	There is no CAGN habitat on Link 1, therefore this measure is not applicable to Link 1. See B-7l.
SS-CM-20: Compensate for loss of occupied gnatcatcher habitat.	Occupied gnatcatcher habitat does not occur on Link 1; therefore this mitigation measure is not applicable.
SS-CM-21: Compensate for loss of unoccupied gnatcatcher habitat.	Unoccupied designated critical habitat for the gnatcatcher does not exist on Link 1; therefore this mitigation measure is not applicable.

Mitigation Measure and APM	Status
SS-CM-22: No construction during lambing season from January 1 through June 30 or period of greatest water need.	See B-7c
SS-CM-23: Compensation for loss of occupied big horn sheep habitat.	See B-7c
SS-CM-24: Big Horn Sheep Monitoring Plan.	A Peninsular Big Horn Sheep Monitoring Plan was submitted to USFWS and CDFG on August 24, 2010.
SS-CM-24: Helicopter flight paths over occupied habitat.	See B-7c
SS-CM-24: Cease construction within I-8 Island until sheep have left the area.	See B-7c
SS-CM-25: Fund, design, and construct a fencing system to prevent bighorn sheep from crossing I-8.	SDG&E will continue to coordinate with the USFWS to define what measures will be implemented during construction.
SS-CM-25: Fund the removal of invasive species and hazardous fences.	See B-7c
SS-CM-25: Fund a 10-year monitoring program of bighorn sheep behavior, movement, and dispersal.	See B-7c
SS-CM-25: Fund biennial surveys to be conducted by CDFG.	See B-7c
V-01a: Screen construction sites if visible from public areas	The pre-construction component of this measure has been completed. The location of staging, material and equipment storage areas and helicopter fly yards are shown in the Project Modification Report submitted on May 14, 2010 and approved by the CPUC and BLM on September 22, 2010. The Construction Yard Visual Screening Plan also shows the location of these yards and illustrates how these areas will be visually screened with temporary screening fencing. The Construction Yard Visual Screening Plan submitted to the CPUC, City of San Diego, BLM and USFS on August 4, 2010 and to Helix Water District on August 19, 2010. The Construction Yard Visual Screening Plan was approved by the CPUC on October 19, 2010.
V-01a: Submit final construction plans 60 days prior to construction	Final construction grading plans and Plan and Profile drawings were submitted to the CPUC, BLM, USFS, County of San Diego and Helix Water District on September 2, 2010.
V-01b: Design and install lighting to avoid night lighting impacts	SDG&E submitted a Construction Lighting and Mitigation Plan as outlined in this mitigation. Comments were received from the agencies and incorporated into a final plan that was submitted October 19, 2010. The measures in this plan will be implemented during construction.
V-01b: Submit a Construction Lighting Mitigation Plan 90 days prior to construction	SDG&E submitted a Construction Lighting and Mitigation Plan as outlined in this mitigation. Comments were received from the agencies and incorporated into a final plan that was submitted October 19, 2010.
V-02a: Construct access and spur roads at appropriate angles	Construction of access or spur roads shall occur as outlined in this measure.
V-02a: Consult with visual resources specialist to evaluate access road visibility prior to final design	A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved on September 22, 2010. The final design of access roads was based on coordination with several visual resource specialists.
V-02a: Submit table 60 days prior to construction	SDG&E has submitted a Tower Color Review table in coordination with the CPUC visual resource specialist. SDG&E will submit the final table once available.
V-02a: Submit final construction plans 60 days prior to construction	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment and incorporates a redesign of the access roads based on coordination with several visual resources specialists. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved on September 22, 2010. Final Grading Plan and Profiles were submitted to the CPUC on September 2, 2010.
V-02b: Create barriers for public access if opened as a construction route	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
V-02b: Submit final construction and restoration plans 60 days prior to construction	The April 30, 2010 Mapbook and Project Modification Report (PMR) submitted to the CPUC on May 14, 2010 illustrates changes to the final design that would reduce visual contrast from unnatural vegetation lines. SDG&E is working with the CPUC's visual resource specialist to finalize restoration plans in compliance with this measure.
V-02c: Treat disturbed soils visible from sensitive public viewing locations	SDG&E submitted a Restoration Plan for Sensitive Vegetation Communities in Temporary Impact Areas on September 24, 2010. During construction, SDG&E will consult with the Authorized Officer regarding the site-by-site use of Eonite.
V-02c: Submit final construction and restoration plans 60 days prior to construction	SDG&E has submitted Final Grading Plans and Plan and Profile drawings on September 2, 2010 for the overhead portion of the project. A Restoration Plan for Temporary Impacts to Sensitive Vegetation Communities was submitted on September 24, 2010.
V-02d: Consult regarding helicopter construction techniques	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment and incorporates a redesign of the alignment based on coordination with appropriate land management agency officials and/or authorized officers 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. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by CPUC and BLM through a Determination Memorandum dated September 22, 2010.
V-02d: Conduct Agency Consultations 120 days prior to construction	SDG&E has coordinated with the appropriate agencies and received approvals 120 days prior to construction. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment and incorporates a redesign of the alignment based on this coordination. The Project Modification Report and Mapbook were submitted to the CPUC on May 14, 2010 and approved by the CPUC and BLM through a Determination Memorandum dated September 22, 2010.
V-03a: Conductors shall be non-specular	SDG&E submitted a memorandum to the CPUC for the administrative record on September 30, 2010 demonstrating that SDG&E has ordered non-specular conductor in order to reduce conductor visibility and visual contrast of conductors and towers in compliance with this measure.
V-03a: Consult with a visual resources specialist to evaluate new access roads	The final design of the alignment incorporates a redesign and elimination of access roads based on coordination with several visual resources specialists. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved on September 22, 2010.
V-03a: Submit a table 60 days prior to construction	SDG&E has submitted a draft Tower Color Review table in coordination with the CPUC visual resource specialist on March 17, 2010 to the CPUC. SDG&E will submit the final table once available.
VR-APM-01: Place structures at maximum distance from crossings	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment to reduce visual impacts at highway, canyon, and trail crossings. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved on September 22, 2010.
VR-APM-03: Match structure spacing when parallel to an existing line	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment where the line parallels existing transmission lines. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum dated September 22, 2010. SDG&E also submitted a memorandum to the CPUC for the administrative record on September 9, 2010 documenting compliance with this measure.
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	SDG&E did not locate structures directly in front of residences or in direct line-of-sight from residences, where possible. SDG&E consulted with affected property owners on the proposed structure locations to reduce land use and visual impacts. SDG&E has coordinated with affected landowners in accordance with MM L-2b.
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 for site specific areas of the Project.

Mitigation Measure and APM	Status
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 for site specific areas of the Project.
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 for site specific areas of the Project.
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.
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, but 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 and approved by BLM and CPUC through a Determination Memorandum dated September 22, 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	SDG&E placed new structures more than 330 feet from existing residences to the extent feasible. Only two structures are closer than 330 feet to a residence and were not able to be moved. These structures include CP-7 (located on Link 5) and EP-228 (located on Link 1).
LU-APM-03: Compensate farmers for loss of crops	No agricultural operators will be impacted on Link 1 that require compensation for loss of crops; therefore, this mitigation measure is not applicable. The only agricultural area that is crossed on Link 1 is the Jacumba Valley Ranch (JVR). However, no loss of crop or disruption to agricultural operations will occur during construction or operation of the project. A memo summarizing coordination with agricultural operators was submitted to the CPUC on October 15, 2010. See mitigation measures Ag-1a and Ag-1c.
LU-APM-03: Avoid planting, growing, and harvesting seasons	This measure will be implemented during construction.
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.

Mitigation Measure and APM	Status
LU-APM-05: Coordinate construction activities with water management representatives	SDG&E submitted a memorandum on October 14, 2010 to the CPUC for the administrative record documenting coordination efforts with the Imperial Irrigation District.
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 will pay just compensation to the property owners through contractual agreements with each landowner. SDG&E submitted a memo to CPUC on October 5, 2010 documenting landowner notification and consultation. The final alignment is shown on the PMR Mapbook approved September 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). No General Plan updates are planned for Imperial County or the City of San Diego. 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
LU-APM-09: Obtain ministerial land use permits	SDG&E will obtain all necessary and/or appropriate ministerial land use permits.
LU-APM-10: Match structure locations with existing transmission facilities	A memo was submitted to the CPUC for the administrative record documenting compliance with Mitigation Measure LU-APM-10, Task 1, on September 9, 2010. Proposed structure locations were matched with existing transmission facilities along the existing 500 kV Southwest Powerlink (SWPL) line and two 69 kV transmission lines. The Sunrise Powerlink parallels SWPL from Imperial Valley Substation to the Jacumba SWPL Breakaway Point Reroute.
R-APM-02a: Provide advance notice if restrictions in access routes to recreational use areas	This mitigation measure will be implemented during construction.
R-APM-02b: No construction on federal holidays that affects trail use	This measure will be implemented during construction.
R-APM-02d: Post signs at alternative park access and parking	This measure will be implemented during construction.
R-APM-02e: Post signs at alternative trails and bikeways	This measure will be implemented during construction.
R-APM-02f: Post signs at equestrian trails during helicopter construction	This measure will be implemented during construction.
R-APM-02f: Regularly check and maintain signs	This measure will be implemented during construction.
WR-01a: Coordinate construction activities and schedule 60 days prior to construction	SDG&E has been coordinating with the County of San Diego to identify recreational areas that may be impacted by the project and will schedule construction to avoid temporary preclusion of recreational area use. SDG&E will continue its coordination with the County of San Diego and other jurisdictional agencies during construction.
WR-01a: Submit documentation of coordination 30 days prior to construction	SDG&E submitted a memorandum to the CPUC for the administrative record on November 5, 2010 documenting it's coordination efforts related to recreational areas and trails. On Link 1, SDG&E has coordinated with the BLM and County of San Diego. No trails or recreational areas have been identified for Imperial County, but SDG&E will continue to coordinate with Imperial County regarding construction activities.

Mitigation Measure and APM	Status
WR-01b: Coordinate temporary detours of trails 60 days prior to construction	SDG&E began coordination efforts with the Trails Coordinator for San Diego County on June 21, 2010. Coordinating with the County 60-days prior to construction has been fulfilled. No trails have been identified in Imperial County that will be affected by construction. Coordination efforts are on-going and will continue throughout the preconstruction and construction phases of the project. A memo documenting coordination efforts was submitted to the CPUC for the administrative record on November 5, 2010.
WR-01b: Site new trail segments to avoid sensitive resources and restore to pre-construction conditions	This measure will be implemented during construction.
WR-01b: Post public notices at trail detours	This measure will be implemented during construction.
WR-01b: Submit documentation of coordination 30 days prior to construction	See Wr-1a
WR-01c: Coordinate alternative recreation facilities 60 days prior to construction	SDG&E has made considerable effort to work with local agencies to identify alternative recreational areas that may be used by the public in lieu of affected parks during construction. SDG&E has submitted documentation of this coordination to the CPUC for the administrative record on November 5, 2010.
WR-01c: Post public notices at recreation facilities	This measure will be implemented during construction.
WR-01c: Submit documentation of coordination 30 days prior to construction	SDG&E has made considerable effort to work with local agencies to identify alternative recreational areas that may be used by the public in lieu of affected parks during construction. SDG&E has submitted documentation of this coordination to the CPUC for the administrative record on November 5, 2010.
WR-02a: Relocate 500kV line along southern boundary of JAM properties	SDG&E relocated the overhead 500 kV transmission line along the southern boundary of JAM properties as required to minimize effects on BLM land, Forest land, and private property. This measure applies to both Links 1 and Link 2.
WR-02a: Submit memo and construction plans 120 days prior to construction	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating a reroute of the BCD Alternative Revision to reduce effects on recreation. The Project Modification Report confirms that this measure has been addresses and approved (see page 2-47 of the PMR determination).
WR-03a: Coordinate to determine locations of tower sites and spur roads	SDG&E has made considerable effort to limit access roads and tower locations within recreational areas in coordination with the BLM, USFS, City of San Diego, and County of San Diego. No access roads are located on trails (e.g. PCT, Trans-County Trail, etc.). The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment to avoid recreational areas as much as feasible. The Project Modification Report and Mapbook were approved in a Determination Memorandum from the CPUC on September 22, 2010. Mitigation of impacts have been calculated in the Habitat Acquisition Plan and Habitat Management Plan submitted to the agencies on September 22, 2010.
WR-03a: Coordinate 60 days prior to construction and submit documentation 30 days prior to construction	SDG&E has made considerable effort to work with local agencies to identify alternative recreational areas that may be used by the public in lieu of affected parks during construction. SDG&E has submitted documentation of this coordination to the CPUC for the administrative record on November 5, 2010.
AG-01a: Coordinate with property owners and tenants 60 days prior to construction	SDG&E has coordinated with agricultural property owners and tenants in order to ensure avoidance or minimization of interference with agricultural operations. On Link 1, SDG&E has coordinated with Jacumba Valley Ranch (MP 34). A memorandum summarizing this coordination was submitted to CPUC on October 15, 2010 for their administrative record.
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 1, SDG&E met with the Jacumba Valley Ranch property owners to discuss grazing operations and fencing reconfiguration to reduce impacts to cattle.
AG-03b: Consult and notify 60 days prior to erection of any structure affecting aerial applicator operations	SDG&E sent notification letters to aerial applicators operating in San Diego and Imperial counties on July 6, 2010. Copies of these notifications were sent to the CPUC, BLM and County Farm Bureaus on July 13, 2010. The notification advised when and where the new transmission line and towers will be erected and included aerial maps depicting the proposed project route and agricultural lands near the route.

Mitigation Measure and APM	Status
AG-03b: Provide maps of the alignment on or near agricultural lands	SDG&E sent notification letters to aerial applicators operating in San Diego and Imperial Counties on July 6, 2010. Copies of these notifications were sent to the CPUC, BLM and County Farm Bureaus on July 13, 2010. The notification advised when and where the new transmission line and towers will be erected and included aerial maps depicting the proposed project route and agricultural lands near the route.
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 selected ROW and tower locations were staked prior to the cultural resource field surveys.
C-01b: Protect potential and register-eligible resources from direct project impacts	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment to avoid impacts to potentially register-eligible and register eligible resources based on preliminary National Register of Historic Places and consultation with the BLM and CPUC. A revised Mapbook and PMR was submitted on May 14, 2010 and approved on September 22, 2010 through a determination memorandum. Efforts are on-going to determine resource eligibility and to avoid impacts to significant resources.
C-01b: Undertake additional studies if resources cannot be protected from direct impacts	26 cultural resource sites have been identified in Link 1 where project impacts cannot be avoided. Eligibility evaluations are in progress to determine recommendations for mitigation. An eligibility evaluation report will be developed and submitted in December 2010. Recommendations and treatment of significant resources will be presented in an HPTP. Field data is being used to refine project design and minimize impacts to these 25 resource areas.
C-01b: Incorporate results of studies in HPTP	A Historic Properties Treatment Plan (HPTP) will be developed as appropriate based on the results of the eligibility evaluation of the archaeological resources identified in the Class III Survey Report. SDG&E will submit the HPTP to the BLM and CPUC for review and approval in December 2010.
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 as an ESA if within 50 feet of direct impact areas. These ESAs will be monitored by archaeological and Native American 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 the area as an ESA. These ESAs will be inspected by Cultural Monitors during construction and all damage or alteration of the ESA marking will be reported and/or repaired as appropriate.
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. The HPTP will be prepared and submitted to the BLM and CPUC upon completion of a draft.
C-01c: Submit Historic Properties Treatment Plan	The Historic Properties Treatment Plan (HPTP) is currently being prepared. SDG&E will submit the HPTP to the BLM and CPUC for review and approval in December 2010.
C-01d: Conduct data recovery investigations to reduce adverse effects	Data gathered during the eligibility evaluation phase will be summarized in the Historic Properties Treatment Plan (HPTP). Data-recovery methods, sample sizes, and recommended procedures will be detailed in the HPTP as appropriate. The proposed mitigation for resource impacts will also be presented in the HPTP. A data recovery report and documentation of other mitigation efforts will be prepared and submitted to the BLM and CPUC for review and approval.
C-01d: Submit field closure report prior to construction within 100 feet of affected resource	This mitigation measure will be fulfilled for those resource areas to which it applies.
C-01d: Submit final report of data-recovery investigations within 1 year of completing fieldwork	This mitigation measure will be fulfilled within one year of the completion of fieldwork.
C-01e: Implement archaeological monitoring at cultural ESAs	This mitigation measure will be fulfilled during construction. The locations of the ESAs will be provided in the HPTP.
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.

Mitigation Measure and APM	Status
C-01e: Retain and schedule any required Native American monitoring	The HPTP will identify areas where Native American monitors will be required and the Tribal affiliation will be defined as appropriate.
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	Government-to-government consultations have been ongoing. 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. Records of consultations are being compiled by the BLM. Monitoring will partially fulfill this mitigation measure and the rest of the measure will be satisfied during construction.
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. Any discoveries will be processed in the manner described and the detailed process is presented in the HPMP and HPTP for this project.
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, statutes 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 have been ongoing. Records of consultations are being held with the BLM. This measure will be satisfied during construction.
C-02a: Divert work if human remains are discovered and inform officer	This mitigation measure will be fulfilled during construction.
C-03a: Implement archaeological monitoring	A monitoring process was incorporated into the Historic Properties Management Plan and is summarized in the HPTP. All necessary monitoring will be reported as part of the weekly submittal process during construction.
C-03a: Divert work if buried cultural material discovered and notify archaeologist	This mitigation measure will be fulfilled during construction. There is a detailed Discovery Plan in the approved HPMP for the project.
C-04a: Assist and support BLM in consultations with Native Americans to assess 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 and the "Inventory Report for Sunrise Cultural Resources." 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.
C-06a: Provide inventory to conduct visual analysis of all known and potential historic built environment resources in HPTP	All known historic built environment resources located within 0.5 miles of the Proposed Project have been inventoried and subjected to an analysis of visual impacts on those that are eligible for nomination to the National Register. The HPTP is being prepared and mitigation measures for visual impacts will be provided in that plan. SDG&E will submit the HPTP to the BLM and CPUC for review and approval once available.
C-06e: Minimize visual intrusion of aboveground portion on Highway 80	Project design and location has taken this measure into account. An evaluation of visual impacts to National Register eligible properties was completed and mitigation measures for impacts are provided.
C-06e: Include protection plan for Old Highway 80 in HPTP	The HPTP provides mitigation options for impacts to Old Highway 80.

Mitigation Measure and APM	Status
C-06f: Minimize visual intrusion to the Desert View Tower viewshed	SDG&E included an evaluation of protection options for the Desert View Tower viewshed and the final redesign recommended by the CPUC's visual resource consultant in the Project Modification Report (PMR). The PMR was submitted to the CPUC and BLM for review and approval on May 14, 2010 and was approved on September 22, 2010. Information on the Desert View Tower viewshed can be found on pages 4-24 through 4-28.
C-06f: Submit a protection plan for Desert View Tower viewshed 60 days prior to construction	SDG&E has coordinated with visual resource specialists to minimize visual intrusions to the Desert View Tower viewshed. Final construction plans and the Project Modification Report (PMR6, pages 4-24 through 4-28) reflect implementation of avoidance techniques to minimize visual intrusions to the viewshed.
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	Cultural site inventories have been conducted. An HPTP is in preparation. Cultural resource sites have been avoided to the extent feasible and sites that cannot be avoided are being evaluated for National Register eligibility. Cultural resource sites in proximity to the project will be protected using Environmentally Sensitive Area designations.
CR-APM-02: Implement impact avoidance and APMs during construction	SDG&E has consulted with the appropriate land management agencies to avoid impacts to cultural resources. Avoidance measures will be implemented during construction.
CR-APM-03: Report within 24 hours any previously unidentified cultural resource discovered	This mitigation measure will be fulfilled during construction.
CR-APM-03: Suspend operations in the immediate area of the discovered cultural resource	This mitigation measure will be fulfilled during construction as needed.
CR-APM-03: Evaluate the discovered resource and determine appropriate actions.	This mitigation measure will be fulfilled during construction as needed.
CR-APM-03: Develop a treatment plan to mitigate impacts	The HPTP and HPMP provide direction for discovery and mitigation of impacts to cultural resource sites.
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	An Historic Properties Management Plan has been prepared by SDG&E and approved by the agencies on July 15, 2010 which incorporates the guidance in this measure and which will be implemented during construction.
CR-APM-06: Avoid historic properties by fencing or barricading	Historic properties have been surveyed and will be included in the HPTP. The HPTP will be submitted to the CPUC when available. Properties that cannot be avoided will be flagged as ESAs. These ESAs will be monitored by cultural monitors during construction and observations will be summarized and submitted to the CPUC in the weekly report.
CR-APM-06: Implement a plan if historic properties cannot be avoided	SDG&E has consulted with the appropriate property owners to avoid impacts to historic properties. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment based on these consultations. The Project Modification report briefly discusses these reroutes. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by the BLM and CPUC through a Determination Memorandum on September 22, 2010.
CR-APM-07: Control impacts that can deteriorate historic	This mitigation measure will be fulfilled during construction.
CR-APM-07: Implement protective measures to minimize erosion and weeds	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
CR-APM-07: Implement control measures to minimize vibration, dust, and fumes	This mitigation measure will be fulfilled during construction.
CR-APM-07: Minimize deterioration to buildings and structures	This mitigation measure will be fulfilled during construction.
CR-APM-07: Implement a plan if deterioration cannot be avoided	This mitigation measure will be fulfilled during construction.
CR-APM-08: Avoid and protect landscaping essential to historic property	SDG&E has consulted with the appropriate property owners to avoid impacts to historic properties. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment based on these consultations. The Project Modification Report briefly discusses these reroutes. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by the BLM and CPUC through a Determination Memorandum on September 22, 2010.
CR-APM-08: Minimize intrusion to the historic setting	This mitigation measure will be fulfilled during construction.
CR-APM-09: Restrict construction and operation access	This mitigation measure will be fulfilled during construction.
CR-APM-09: Instruct construction and maintenance personnel to protect sensitive properties	Construction and maintenance personnel will be instructed in protection of sensitive properties.
CR-APM-10: Span conductors over historic property	A memo was submitted to the CPUC on September 13, 2010 documenting compliance with this mitigation measure. As part of the final design, SDG&E located project structures so that conductors span linear historic property to the extent feasible.
CR-APM-10: Boring shall avoid disturbance to historic property	Boring is not required to avoid historic properties on the overhead portion of the line; therefore, this mitigation measure is not applicable.
CR-APM-11: Implement standard practices on private land	SDG&E has conducted cultural surveys for areas not identified in the approved FEIR/EIS. The preconstruction component of this measure has been complete and SDG&E's standard practices will be implemented throughout the duration of the project.
CR-APM-12: Conduct cultural surveys for staging areas not yet identified	SDG&E has performed cultural surveys for staging areas not previously identified. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating a redesign of the alignment based on these surveys. The Project Modification report briefly discusses these changes. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum dated September 22, 2010.
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.
PAL-01c: Conduct full-time paleontological construction monitoring	The areas that require paleontological monitoring have been identified and monitors will be present during ground disturbance activities.
PAL-01c: Conduct part-time monitoring of sediments with low marginal undetermined sensitivity	This mitigation measure will be fulfilled during construction.
PAL-01c: Divert construction activities when significant fossils are recovered	The approved Monitoring and Treatment plan specifies a process for the discovery of paleontological resources.
PAL-01d: Implement Treatment Plan if significant paleontological resources are unavoidable	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
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 during construction.
N-01a: Obtain a variance for night construction or 200 feet from sensitive receptors 45 days prior to construction	This mitigation measure will be fulfilled during construction. If it is determined that a variance is needed for construction noise, it will be applied for and obtained prior to construction.
N-01a: Employ noise suppression techniques	This mitigation measure will be fulfilled during construction.
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 Construction Notification 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 identifies a public liaison person that will respond to concerns of neighboring receptors about noise disturbances. The Plan was approved by the CPUC on March 1, 2010.
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-01a: Restrict lane closures or obstructions on major roadways	Lane closures are not anticipated to occur; however, if land closures do occur this measure will be implemented during construction. Lane closures will be addressed in traffic plans as necessary.
T-04a: Provide temporary pedestrian access	Interference with pedestrian access is not anticipated to occur; however, if land closures do occur this measure will be implemented during construction.
T-04a: Provide detours and signs for bike route closures	Bike route or path closures are not anticipated to occur; however, if land closures do occur this measure will be implemented during construction.
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	Access agreements/easements will be obtained prior to any road work. Measures required in the agreement/easement will be implemented during construction.
T-07a: Conform to agency requirements if parking spaces are eliminated or relocated	The Construction Notification Plan addresses notification of the public through local newspapers and on-site postings when parking spaces may be temporarily eliminated or relocated. 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.
T-09a: Prepare a Construction Transportation Management Plan	A project-wide Traffic Study was submitted on April 28, 2010 and approved by Imperial County on August 19, 2010, San Diego County on September 29, 2010 and Caltrans on August 19, 2010. The Study revealed that there is only one area, Highway 67 on Link 5, where a CTMP will be required. The letters documenting this coordination for Imperial County was submitted to CPUC on October 15, 2010 and on October 20, 2010 for the County of San Diego and Caltrans.
T-11b: Provide notification when and where the line will be erected prior to construction	SDG&E has consulted with U.S. Customs and Border Patrol regarding the location of new transmission lines and towers. SDG&E met with U.S. Customs and Border Patrol representatives on December 17, 2009, February 8, 2010, and April 20, 2010. A memo documenting this coordination was provided to CPUC for the administrative record on October 15, 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 the 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-02a: Obtain permits for temporary lane closures	Prior to construction in areas where a temporary lane closure is determined to be necessary, SDG&E will obtain required permits from the County of Imperial, County of San Diego, and CALTRANS. This measure will be satisfied during construction.

Mitigation Measure and APM	Status
T-APM-02b: Submit Detour Plans	Prior to construction in an area where detours are determined to be necessary, SDG&E will submit detour plans to the County of Imperial, County of San Diego, and CALTRANS. No detours will occur until detour plans are submitted to the appropriate agency and permits are obtained.
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 mitigation 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	SDG&E will coordinate with emergency service providers prior to initiation of construction activities that would restrict movements of emergency vehicles. This measure will be satisfied during construction.
T-APM-04a: Notify cities and counties regarding construction activities	SDG&E shall notify and provide required information to counties and cities prior to initiation of construction activities that could impact police, fire, ambulance and paramedic services. This measure will be satisfied during construction.
T-APM-05a: Coordinate construction activities adjacent to school bus stops with school districts 1 month prior to construction	SDG&E has coordinated with school districts project wide to discuss construction activities adjacent to school bus stops. Documentation of this coordination effort was provided to CPUC for the administrative record on October 28, 2010.
T-APM-05a: Consult with transit authorities 1 month prior to construction	SDG&E has coordinated with the Imperial Valley Transit District and the Metropolitan Transit District to discuss construction activities and potential impacts to transit services. Documentation of this coordination effort was provided to CPUC for the administrative record on October 28, 2010.
T-APM-06a: Parking in Imperial County shall comply with County regulations and per an approved traffic control plan	This measure will be implemented during construction.
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-08a: Obtain permit(s) if entering railroad right-of-way	SDG&E's contractor will obtain right-of way permits with railroad companies as determined. Three railroad crossings occur on Link 1.
T-APM-09a: Underground utility facilities within 1,000 feet of an Officially Designated Scenic Highway	There will be no new or relocated utility facilities on Links 1, 2, or 5 within 1,000 feet of an Officially Designated Scenic Highway. Therefore, this measure is not applicable to Links 1, 2, or 5.
T-APM-10a: Ensure continuous access to properties	During construction, SDG&E will ensure that the construction contractor provides driveway access to businesses and residences.
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.
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 secondary containment.

Mitigation Measure and APM	Status
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. It is not anticipated that hazardous waste will be stored in project areas or that the storage of hazardous materials will exceed 55 gallons for liquids, 500 pounds for solids, 220 cubic feet for gases or 1320 gallons of oil in storage containers 55 gallons or larger. In addition, hazardous materials and/or wastes will not be located in project areas until construction begins. If the regulatory thresholds discussed herein are exceeded, then appropriate safety plans, such as a HMBP and/or SPCC Plan will be developed as the project progresses and storage locations are identified. Plans will be updated during construction as needed.
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 Phase 1 Environmental Site Assessment was submitted to CPUC for review on 12/3/09.
HS-APM-06: Investigate UXO by trained contractor	An investigation of the project ROW has been conducted by In Depth Corporation, a trained contractor. A memo summarizing these results was submitted to the CPUC on October 7, 2010. A revised memo was submitted on October 26, 2010 to address comments received from CPUC.
HS-APM-06: Remove UXO by trained personnel	An investigation of the project ROW has been conducted by a UXO trained contractor. No UXO has been located; if, however, a UXO is found during pre-construction investigations of known or potential UXO areas, a trained contractor shall remove the UXO.
HS-APM-07: Train personnel to recognize UXO	The SWEAP video was approved by the CPUC on March 15, 2010 and discusses training of personnel involved in excavation regarding recognition of UXO.
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	A memo was submitted to the CPUC for the administrative record documenting compliance with Mitigation Measure HS-APM-9, Task 1, on September 10, 2010. SDG&E has provided notice to the FAA of all structures on the line, and the FAA has published notice and request for comment of structures within 2 miles of the Jacumba airstrip. There are no other airports within 2 miles of Link 1.
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 FDRP, signed by the CAL Fire Chief, was approved by the CPUC on February 2, 2010. A Fire Marshall has been hired and is assigned to enforce the FPRP.
HS-APM-12: Develop a Traffic Control Plan	See T-9a
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.

Mitigation Measure and APM	Status
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 Environmental Monitoring Plan identifies Steve Riggs as the Environmental Field Representative/Lead Monitoring Manager for this Project.
P-01b: Maintain hazardous material spill kits onsite	This measure will be implemented during construction.
P-02a: Test farmed soil samples and submit sampling and testing plan 60 days prior to construction	The Sampling and Testing Plan was approved on 3/23/10. The Agricultural Sampling Report dated May 7, 2010 was approved on September 2, 2010.
P-02a: Submit laboratory results 30 days prior to construction	The Sampling and Testing Plan was approved on 3/23/10. The Agricultural Sampling Report dated May 7, 2010 was approved on September 2, 2010. The Soil Management Plan was approved by the CPUC on September 9, 2010. This measure is complete for all project areas with the exception of one property in Link 5 associated with structures CP63 and CP64.
P-02a: Follow regulatory procedures for handling and disposal of contaminated soil	Excavated materials containing elevated levels of pesticide or herbicide will be managed in compliance with the Soil Management Plan approved by the CPUC on September 9, 2010.
P-02a: Use effective dust suppression procedures	During construction, effective dust suppression procedures will be used in construction areas to reduce airborne emissions of these contaminants and reduce the risk of exposure to workers and the public.
P-02a: Consult regulatory agencies for handling, treatment, and/or disposal	Regulatory agencies for the State of California (DTSC or RWQCB) and the appropriate County (San Diego or Imperial) shall be contacted by SDG&E or its contractor to plan handling, treatment, and/or disposal options.
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.
P-03b: Submit report to agencies of contaminated soil within 30 days of laboratory data receipt	This measure will be implemented during construction.
P-07a: Implement steps 60 days prior to construction if excavation will occur	The Soil Management Plan was approved by the CPUC on September 9, 2010 as fully addressing the requirements of this measure. A Phase 1 Environmental Site Assessment was submitted to the CPUC for review on December 2, 2009. In the event that new areas requiring ground disturbance are identified during construction, a Phase 1 will be conducted and submitted to the CPUC prior to construction in those areas. Document
PS-01a: Limit conductor surface gradient	SDG&E submitted a memorandum to the CPUC on September 30, 2010 demonstrating that SDG&E has limited the conductor surface electric gradient in accordance with the IEEE Radio Noise Design Guide.
PS-02a: Identify objects within and near ROW for induced voltages and implement electrical grounding	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. Dust Control Plan measures will be implemented during project construction.
AQ-01a: Pre-water sites 48 hours prior to clearing	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
AQ-01a: Reduce amount of disturbed area	This mitigation measure will be fulfilled during construction.
AQ-01a: Spray stock-piles daily or as needed	This mitigation measure will be fulfilled during construction.
AQ-01a: Cover loads in trucks or maintain 6 inches of free-board	This mitigation measure will be fulfilled during construction.
AQ-01a: Pre-moisten import and export dirt prior to transport	This mitigation measure will be fulfilled during construction.
AQ-01a: Sweep public streets daily if soil tracking visible	This mitigation measure will be fulfilled during construction.
AQ-01a: Apply soil stabilizers or water on inactive work areas	This mitigation measure will be fulfilled during construction.
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 at the yard. Any portable equipment over 50 hp will be permitted with the local Air Pollution Control District (APCD) or the California Air Resources Control Board. Equipment run logs will be maintained on a daily basis and periodically submitted to the CPUC.
AQ-01h: Obtain NOx emission reduction credits or fund incentive programs prior to construction	Mitigation measure AQ-01h, which was required to achieve emission reductions to levels below the federal thresholds is no longer applicable. The emissions expected based on the PMR are less than the federal General Conformity de minimus thresholds for San Diego Air Basin as determined in the Memorandum of Determination issued by the CPUC in September 2010. For additional information refer to page 9 of the memorandum.
AQ-04a: Report quarterly the status of carbon credits	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. The preconstruction component of this measure is complete. The other requirements will be implemented during construction.
AQ-04c: Submit SF6 leak detection and repair program 90 days prior to construction	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.
AQ-04c: Become a Partner in EPA's SF6 Partnership prior to construction.	The Partnership MOU between SDG&E and the U.S. EPA was established on February 24, 2010.
AQ-04c: Report SF6 emissions to CCAR	As part of the SF6 Leak Detection and Repair Program developed by SDG&E, reporting of emissions to the CCAR will be conducted. This program was approved on March 12, 2010.
AQ-APM-01: Comply with ICAPCD Rule 800	The Dust Control Plan, which was filed with the ICAPCD and approved by the CPUC on January 20, 2010, addresses compliance with ICAPCD Rule 800.
AQ-APM-01: File a Dust Control Plan with ICAPCD	The Dust Control Plan was filed with the ICAPCD and approved by the CPUC on January 20, 2010.
AQ-APM-02: Prohibit grading when wind exceeds 25 mph	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.
AQ-APM-02: Cover loads in trucks or maintain 2 feet of freeboard	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Install snow fence-type windbreaks	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Limit vehicle speeds to 15 mph on unpaved roads	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Water unpaved roads	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
AQ-APM-02: Apply soil stabilizers	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Contain exposed stockpiles of soil and other material	This mitigation measure will be fulfilled during construction.
AQ-APM-03: Use methods to minimize mud and dust tracking on paved roads	This mitigation measure will be fulfilled during construction. A Dust Control Plan was approved by the CPUC on January 20, 2010. Conditions of the Dust Control Plan will be implemented and enforced throughout the Project.
AQ-APM-04: Encourage carpooling to job sites	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.
AQ-APM-05: Minimize vehicle idling time with common sense approach	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.
AQ-APM-05: Conduct briefings on common sense vehicle use	This mitigation measure will be implemented during construction.
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	A Wells and Springs Survey was submitted to CPUC on July 7, 2010 to address this mitigation measure prior to construction. This report was approved by CPUC on September 2, 2010. During construction, if blasting is determined to be necessary near a surveyed well or spring, SDG&E's contractor will prepare a blasting plan that addresses protection of the nearby well or spring.
H-06a: Determine which towers require scour protection during design phase	SDG&E provided the CPUC with an engineering report, sealed by a civil engineer registered in the State of California, demonstrating which towers may reasonably be subject to erosion during the life of the project. The report also provided plans for protection from scour, as well as an engineering demonstration that the tower and associated structures will not induce erosion onto adjacent property. The report was approved by the CPUC on October 7, 2010.
H-06a: Submit evaluation and design plans 60 prior to constructing towers	SDG&E provided the CPUC with an engineering report, sealed by a civil engineer registered in the State of California, demonstrating which towers may reasonably be subject to erosion during the life of the project. The report also provided plans for protection from scour, as well as an engineering demonstration that the tower and associated structures will not induce erosion onto adjacent property. The report was approved by the CPUC on October 7, 2010.
H-07a: Submit a Hazardous Substance Control and Emergency Response Plan 60 days prior to construction	<p>A memo was submitted to the CPUC on Wednesday September 15, 2010 documenting compliance with this mitigation measure and providing the Waste Discharge Identification numbers assigned by the California State Water Resources Control Board. For Link 1, the following WDID numbers have been assigned: 737C358239, 737C358304, 713C358250, 713C358305, 713C358275.</p> <p>Five site-specific SWPPPs have been developed for Link 1. These SWPPPs contain procedures to reduce the potential of spills and emergency response information to ensure quick and safe clean-up of spills.</p> <p>A Hazardous Substance Control Plan was submitted with the Stormwater Pollution Prevention Plan on August 25, 2010 for locations between towers EP312 through EP 305 and EP281 through EP255, within Peninsular Bighorn Sheep habitat.</p>
WQ-APM-01: Minimize disturbance to water resources	This mitigation measure will be implemented during construction. Grading plans were submitted on September 2, 2010 and demonstrate how disturbance to water resources will be minimized.
WQ-APM-02: Avoid sensitive water features	<p>A memo was submitted to the CPUC and Aspen documenting compliance with Mitigation Measure WQ-APM-2, Task 1, on August 30, 2010.</p> <p>Impacts to jurisdictional features were considered during design of the project and have been avoided, to the extent feasible. The locations of the structures are shown in the Project Modification Report Map Book, which was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum dated September 22, 2010.</p>
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.

Mitigation Measure and APM	Status
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.
WQ-APM-04: Use existing bridges to cross major streams	This mitigation measure will be fulfilled during construction.
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 locations of the structures are shown in the PMR Mapbook, which was submitted to the CPUC on May 14, 2010 and approved by CPUC and BLM through a Determination Memorandum dated September 22, 2010.
WQ-APM-04: Prepare and implement erosion control BMPs per the SWPPP	The SWPPPs and NPDES permits associated with the following WDID #s 737C358239, 737C358304, 713C358250, 713C358305 and 713C358275 were 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 hydrologic impacts.
WQ-APM-04: Select upland pull sites to minimize disturbance to water resources	A memo was submitted to the CPUC documenting compliance with Mitigation Measure WQ-APM-4, Task 5, on August 30, 2010. Impacts to surface water, riparian areas, wetlands, and floodplains were considered during design of the project and have been avoided to the extent feasible. The locations of the pull sites are shown in the Project Modification Report Map Book, which was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum on September 22, 2010.
WQ-APM-04: Do not place structures in streambeds or drainage channels	A memo was submitted to the CPUC documenting compliance with Mitigation Measure WQ-APM-4, Task 6, on August 30, 2010. Impacts to surface water, riparian areas, wetlands, and floodplains were considered during design of the project and have been avoided to the extent feasible. The locations of the pull sites are shown in the Project Modification Report Map Book, which was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum on September 22, 2010.
WQ-APM-05: Construct stream crossings and develop a mitigation and restoration plan	Stream crossings will be constructed at low flow periods. A mitigation and restoration plan has been developed as part of the HMMP and was submitted to the agencies on July 14, 2010. A revised plan was submitted on October 8, 2010 to address agency comments.
WQ-APM-06: Avoid designated surface water protection areas	The final project alignment is in the vicinity of the following source water; Lake Morena, Barrett Lake, El Capitan Reservoir, and San Vicente Reservoir. All these source waters will be avoided. The nearest source water to a project facility is the El Capitan Reservoir (Link 5). Structure CP72-2 (PMR mapbook page MS-119) is within 350 feet of the reservoir. The pullsite adjacent to the structure is approximately 100 feet from the reservoir. The next nearest source water to a project facility is the San Vicente Reservoir (Link 5), which is approximately 1650 feet from structure CP39 (PMR mapbook page MS-132). All other source waters are at least 1 mile from a project facility.
WQ-APM-06: No diversions, detention, retention, or consumption of surface waters	This mitigation measure will be fulfilled during construction.
WQ-APM-06: Conduct interviews with affected landowners prior to construction	Groundwater supplies will not be used during project construction; therefore this mitigation measure is not applicable.
WQ-APM-06: Negotiate with landowners to provide alternative water supplies	Groundwater supplies will not be used during project 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 and dewatering is not anticipated during construction. If it is later determined that dewatering is necessary, SDG&E will implement measure as defined.
WQ-APM-09: Storing fuels and hazardous materials prohibited near wells	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
WQ-APM-10: Minimize stream bank erosion	See H-06a
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 SWPPPs and NPDES permits associated with the following WDID #s 737C358239, 737C358304, 713C358250, 713C358305 and 713C358275 were 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 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)
WQ-APM-15: Use existing roads or cross-country access routes	This mitigation measure will be fulfilled during construction.
WQ-APM-15: Clearly mark approved construction traffic routes	This mitigation measure will be fulfilled during construction.
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 permit applications were submitted March 30, 2010.
WQ-APM-16: Locate staging/storage areas outside of riparian areas	SDG&E has located staging/storage areas for equipment and materials 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-02a: Avoid or minimize desert pavement grading	This mitigation measure will be fulfilled during construction.
G-02a: Submit a plan to identify and protect desert pavement 60 days prior to construction	SDG&E prepared a Desert Pavement Protection Plan that identifies areas of desert pavement and discusses protection of desert pavement. This Plan was approved by the CPUC and BLM on September 10, 2010.
G-03a: Submit design-level geotechnical studies 60 day prior to final project design	A Geotechnical Report titled, "Geotechnical and Geologic Hazards Investigation Report" dated October 16, 2009 was submitted to CPUC for review and approval on April 19, 2010. The final project design is based on the findings of this report. CPUC issued a memorandum on June 18, 2010 confirming that this report satisfies the requirements of this mitigation measure.
G-04a: Submit site-specific seismic analyses 60 days prior to final project design	A Geotechnical Report titled, "Geotechnical and Geologic Hazards Investigation Report" dated October 16, 2009 was submitted to CPUC for review and approval on April 19, 2010. An explanation of structure design based on windloading instead of seismic loading is included in the Executive Summary. The final project design is based on the findings of this report. CPUC's geotechnical consultant issued a memorandum on June 18, 2010 confirming that this report satisfies the requirements of this mitigation measure.
G-04b: Submit liquefaction studies 60 days prior to final project design	A Geotechnical Report titled, "Geotechnical and Geologic Hazards Investigation Report" dated October 16, 2009 was submitted to CPUC for review and approval on April 19, 2010. The final project design is based on the findings of this report. SDG&E will conduct additional geotechnical exploration, including borings. SDG&E will provide a supplemental report prior to installation of structures.

Mitigation Measure and APM	Status
G-05a: Submit a report with studies of active and potential active faults 60 days prior to construction	A Geotechnical Report titled, "Geotechnical and Geologic Hazards Investigation Report" dated October 16, 2009 was submitted to CPUC for review and approval on April 19, 2010. The final project design is based on the findings of this report. SDG&E will conduct additional geotechnical exploration to confirm the location of mapped traces of active and potentially active faults and will submit a report to the CPUC that addresses any required modifications based on the results of these investigations. SDG&E will provide this supplemental report prior to installation of structures.
G-06a: Submit slope stability analyses 60 days prior to construction	A report titled, "Geotechnical and Geologic Hazards Investigation Report" dated October 16, 2009 was submitted to CPUC for review and approval on April 19, 2010. A report titled "Geotechnical Evaluation, Access Roads and Structure Pads" dated October 16, 2009 was submitted to CPUC for review and approval on May 28, 2010. These reports included slope stability analyses as described in this measure. The final project design is based on the findings of these reports. As required by the CPUC memo dated June 18, 2010, additional investigations will occur in areas along Segment 9A of Link 1 during construction.
G-09a: Coordinate to determine status and plans of active quarries	SDG&E has coordinated with Pyramid Quarry personnel and BLM to determine the status of and plans for active quarries adjacent to or crossed by project alignments. Coordination efforts were included in the Project Modification Report submitted to the CPUC on May 14, 2010. The Determination Memorandum and BLM Determination of NEPA Adequacy dated September 22, 2010 acknowledged coordination efforts and noted that SDG&E will continue to coordinate with Pyramid during construction.
G-09a: Submit plan to avoid impacts to mining operations 60 days prior to construction	SDG&E has coordinated with Pyramid Quarry personnel and BLM to determine the status of and plans for active quarries adjacent to or crossed by project alignments. Coordination efforts and a plan to minimize interference with operations were included in the Project Modification Report submitted to the CPUC on May 14, 2010. The Determination Memorandum and BLM Determination of NEPA Adequacy dated September 22, 2010 acknowledged coordination efforts and noted that SDG&E will continue to coordinate with Pyramid during construction.
G-09a: Provide map of reroute and summary of impacts to mining areas	Neither the SWPL or the Interstate 8 Alternative require a reroute due to quarry operations; therefore, this mitigation measure is not applicable.
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 implemented during 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	See G-6a
GEO-APM-05: Implement construction to avoid or minimize new soil disturbance	Final Grading and Plan and Profiles were submitted to the CPUC on September 2, 2010. 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	Erosion control will be implemented under Project site specific SWPPPs and shall include areas where re-contouring and substantial ground disturbance will be required. This mitigation measure will be fulfilled during construction.
GEO-APM-08: Remove or stabilize boulders and span structures over landslide areas	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
GEO-APM-09: Implement field mitigation efforts if paleontological resources are encountered	This mitigation measure will be fulfilled during construction.
GEO-APM-09: Consult with agencies if paleontological resources cannot be avoided	This mitigation measure will be fulfilled during construction.
PSU-APM-01: Coordinate with utility providers	SDG&E will coordinate with Imperial Irrigation District (IID) during construction to coordinate construction locations and times in close proximity to IID utility lines. Additionally, SDG&E will notify the DigAlert service immediately prior to construction in areas to identify conflicts with utility providers and avoid/provide adequate operational and safety buffering. A memo was submitted to the CPUC documenting compliance with Mitigation Measure PSU-APM-1 on October 14, 2010 and approved on November 5, 2010.
PSU-APM-02: Notify USA 48 hours prior to earth-disturbing activities	This mitigation measure will be implemented during construction.
PSU-APM-03: Minimize disruption to response times and access for emergency and police services	This mitigation measure will be implemented during construction.
S-02a: Provide copies of posted public notices of planned outages	Applicability is project specific; Copies of notices and dates of public notification shall be provided to the CPUC and BLM. This measure will be satisfied during construction.
S-02b: Submit documentation prior to construction of the underground transmission line	Link 1 does not include underground transmission line construction; therefore, this mitigation measure is not applicable.
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 describing the availability of reclaimed water was submitted on February 22, 2010.
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.
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.
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	This mitigation measure is partially fulfilled through the Traffic Impact Study/Control Plan, which is specific for each site. Individual traffic plans will be developed by the contractor and are site specific.
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	This measure will be implemented during construction.
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.

Attachment A: Preconstruction Status Report

Tuesday, November 09, 2010

11:24:52 AM

Report Criteria:

AGENCY: CPUC

LOCATION: Link 2

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 2

Note: This table contains U.S. Fish and Wildlife Service Conservation Measures in addition to the mitigation measures and applicant proposed mitigation measures from the Final EIR/EIS. These conservation measures are denoted in the table as G-CM-# or SS-G-#.

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 Project will impact sensitive vegetation communities on lands already in use as mitigation. A draft Habitat Acquisition Plan, which discusses doubled mitigation ratios on lands already in mitigation, was submitted for review and approval on February 4, 2010.
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	SDG&E submitted a memo to CPUC for the administrative record on October 26, 2010 to document coordination of access road gate installation prior to construction. A new cattle gate was requested by Tulloch to address the containment and management of his cattle. The gate will be installed during construction of the access road. SDG&E met with USFS representatives, Tim Cardoza and Steve Eastwood on September 13, 2010 to discuss gate installation on USFS property.
B-01a: Submit documentation of coordination 30 days prior to construction	SDG&E submitted a memo to CPUC for the administrative record on October 26, 2010 to document coordination of access road gate installation prior to construction.
B-01a: Post signs on access road gates prohibiting unauthorized users	This mitigation measure will be fulfilled during construction.
B-01a: Provide funding for off-road vehicle patrols	SDG&E has coordinated with land managers regarding unauthorized use of access roads by off-road vehicle enthusiasts, including funding of off-road vehicle patrols and gate installation. A memo was submitted to CPUC for the administrative record on October 26, 2010 documenting coordination.
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 and a revised plan incorporating comments was resubmitted on October 25, 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.

Mitigation Measure and APM	Status
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.
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-01l: Minimize impacts to the RCA between Structures 184 and 187 of the BCD South Option.	SDG&E has coordinated with the USFS to minimize impacts to RCAs. The April 30, 2010 Mapbook and Project Modification Report (PMR) illustrate changes to the final design of the alignment with an overall reduction of impacts to RCAs and a redesign of the alignment to be relocated to previously disturbed areas when feasible. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by the CPUC and BLM through a Determination Memorandum dated September 22, 2010. THIS MEASURE IS APPLICABLE TO LINK 2 ONLY. SDG&E WILL OBTAIN CONCURRENCE FROM THE USFS THAT THIS MEASURE HAS BEEN IMPLEMENTED PRIOR TO CONSTRUCTION.
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 accepted by the Army Corps of Engineers on August 27, 2010.
B-02a: Mitigate impacted areas as required by wetland permitting	Where avoidance of jurisdictional areas is not feasible, SDG&E shall provide the necessary mitigation required as part of wetland permitting as outlined in this measure. SDG&E submitted a HMMP on July 14, 2010 and a revision to the HMMP on October 7, 2010. The HMMP has been accepted by the ACOE, CDFG and SWRCB in concept, the agencies have asked that the report be reformatted to break out each mitigation property separately.
B-02a: Prepare jurisdictional delineation and impact assessment	The entire 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. Final Grading Plans and Plan and Profiles has been submitted to the CPUC on September 2, 2010.

Mitigation Measure and APM	Status
B-02a: Mitigate for jurisdictional wetland habitat	Where avoidance of jurisdictional areas is not feasible, SDG&E shall provide the necessary mitigation required as part of wetland permitting as outlined in this measure. SDG&E submitted a HMMP on July 14, 2010 and a revision to the HMMP on October 7, 2010. The HMMP has been accepted by the ACOE, CDFG and SWRCB in concept, the agencies have asked that the report be reformatted to break out each mitigation property separately.
B-02a: Obtain wetland permits prior to construction	A revised wetland permit application was submitted for review and approval on March 30, 2010.
B-02a: Delineate all limits of construction	The April 30, 2010 Mapbook submitted on May 14, 2010 and approved through a Determination Memorandum on September 22, 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	This mitigation measure will be fulfilled during construction.
B-02a: Mitigate impacts from unauthorized activity	This mitigation measure will be fulfilled during construction.
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 by the BLM and CPUC 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	The Weed Control Plan addresses surveying for invasive exotic species during construction and annually following construction to monitor previously-identified and treated populations and to identify new invasive weed populations for the life of the Project. Treatment of weeds will occur on a minimum annual basis unless otherwise approved by the PCA, San Diego County Agricultural Commissioner, and Cal-IPC. 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	This mitigation measure will be fulfilled during/post construction.
B-03a: Submit monthly wash logs during construction and annual logs during operation/maintenance	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. The 2010 survey report will be provided to the agencies prior to construction.
B-05a: Stake or flag special status plant populations	Special status plant populations will be staked or flagged by a qualified biologist.
B-05a: Avoid impacts to federal and state listed plant species	Where feasible, impacts to federal or State listed species shall be avoided. The Project Modification Report Mapbook submitted on May 14, 2010, shows both sensitive resources and the locations of areas that may be disturbed. Where not feasible, SDG&E will not impact federal or State listed species until compensation occurs as outlined in this mitigation measure.

Mitigation Measure and APM	Status
B-05a: Submit a Restoration Plan for federal and state listed plants	SDG&E has submitted a Restoration Plan for Sensitive Vegetation Communities for Temporary Impacts to the agencies for review on September 24, 2010. SDG&E will not impact rare plants until a restoration plan is agreed upon with the appropriate agencies.
B-05a: Avoid impacts to moderately sensitive plant species	Where feasible, impacts to moderately sensitive plants shall be avoided. The Project Modification Report Mapbook submitted on May 14, 2010, shows the locations of areas that may be disturbed. Where avoidance is not feasible, SDG&E will not impact moderately sensitive plant species until compensation occurs as outlined in this mitigation measure.
B-05a: Submit a Restoration Plan for special status plant species	A qualified Habitat Restoration Specialist will develop a restoration plan. The plan shall be prepared and implemented as outlined in this mitigation measure.
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 or fencing will be installed to prevent the entrapment of wildlife during construction. Ramping may also be installed at excavations to allow wildlife to escape. 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.
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: Conduct grading or brushing outside of breeding season September 16-March 14	The Riparian Birds Survey Report 2009 was submitted to CPUC for review on January 14, 2010 and was approved by CPUC on August 26, 2010. The 2010 survey report was submitted on October 28, 2010. This measure will be implemented during construction.
B-07e: Survey within 10 days prior to initiating work in area	The Riparian Bird Survey Report for 2009 which was submitted to CPUC for review on January 10, 2010, indicated a breeding pair of least Bell's vireo was observed along an existing access road near milepost 68. As shown on page MS-80 of the PMR Mapbook, no upgrades are proposed for this portion of the access road. Another least Bell's vireo sighting was recorded during the 2010 surveys near milepost 77 (page MS-89). Construction activities will not occur within 500 feet of least Bell's vireo habitat in this area. Preconstruction surveys will be conducted as required by this mitigation measure.
B-07e: Survey once per week if species present	This mitigation measure will be fulfilled during construction.
B-07e: Establish 300-foot buffer if active nest found	This mitigation measure will be fulfilled during construction.
B-07e: Monitor noise if construction occurs within buffer	This mitigation measure will be fulfilled during construction.
B-07e: Provide mitigation for temporary and permanent impacts	A draft Habitat Acquisition Plan was submitted to the CPUC for review and approval on February 4, 2010. The Habitat Acquisition Plan discusses mitigation for impacts to least Bell's vireo occupied habitat, although no permanent impacts are expected to occur to occupied or critical habitat on Link 1.
B-07e: Submit a Habitat Management Plan	The Riparian Birds Survey Report 2009 was submitted to CPUC for review on January 14, 2010. The 2010 Riparian Bird Survey Report was submitted to CPUC on October 28, 2010. A draft Habitat Management Plan was submitted to the CPUC on September 22, 2010.
B-07h: No activities within 4,000 ft. of eagle nest during breeding season	Data was obtained from the USFS and BLM regarding potential eagle nest locations for 2009. 2010 surveys were performed by SDG&E. This measure will be implemented during and post construction.
B-07i: Determine suitable habitat areas of QCB	Per USFWS QCB protocol, site assessments for suitable QCB habitat were conducted in 2009 and 2010 by USFWS permitted biologists. The site assessments identified areas requiring protocol surveys. QCB protocol 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. Survey results indicate QCB were found near mileposts 71, 74.5, and between 79 and 80 on Link 2.

Mitigation Measure and APM	Status
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	Per USFWS QCB protocol, site assessments for suitable QCB habitat were conducted in 2009 and 2010 by USFWS permitted biologists. The site assessments identified areas requiring protocol surveys. QCB protocol 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. Survey results indicate QCB were found near mileposts 71, 74.5 and between 79 and 80 on Link 2. All QCB surveys have been conclusive for the project.
B-07i: Submit a Habitat Management Plan	Survey results indicate QCB were found near mileposts 71, 74.5 and between 79 and 80 on Link 2. A draft Habitat Management Plan has been submitted to the agencies for approval on September 22, 2010.
B-07j: Conduct pre-construction protocol survey	<p>USFWS protocol-level arroyo toad (ARTO) surveys were conducted in 2009 and 2010. The 2009 ARTO Survey Report was submitted to the CPUC on 10/2/2009 and re-submitted to CPUC on 01/14/2010 to address their comments. On 8/26/2010, the CPUC advised that their comments were not fully addressed in the 01/14/2010 re-submittal; however, on 09/02/2010 the CPUC advised that these comments could be addressed in the upcoming 2010 ARTO Survey Report. The 2010 ARTO Survey Report will be available in late October.</p> <p>Based on the 2010 survey results, ARTO occur in three locations along Link 2 and will be assumed present in suitable habitat that was inaccessible to the surveyors. On Link 2, ARTO were observed along access roads near mileposts 68, 71 and 74. ARTO presence will be assumed in suitable habitat near milepost 91.</p> <p>To avoid impacting ARTO during construction, construction areas will be fenced with exclusion fencing to keep toads out, where applicable. The fence locations will be identified by a USFWS permitted biologist and fencing will be monitored on a daily basis by a qualified biologist. To minimize impacts to ARTO habitat, construction will be limited to the temporary and permanent impact areas. The limits of construction will be flagged to identify impact areas. To compensate for unavoidable impacts to ARTO, off-site property supporting ARTO habitat has been identified and will be acquired and managed. This is documented in the Project habitat Acquisition Plan and Habitat Management Plan.</p>
B-07j: Remove toad riparian breeding habitat October-December	This mitigation measure will be fulfilled during construction.
B-07j: Install exclusion fencing if toad is present and monitor daily during construction	If arroyo toads are present, or assumed to be present, exclusion fencing will be installed as outlined in this measure. Exclusion fencing will be monitored during construction and observations will be summarized and submitted to the CPUC in the weekly report.
B-07j: Conduct pre- and post-exclusion fencing surveys	Clearance surveys shall occur as outlined in this measure.
B-07j: Conduct daily surveys in the morning prior to work activities	This measure will be implemented during and post construction.
B-07j: Mitigate for the loss of occupied habitat	Loss of arroyo toad-occupied habitat shall be mitigated as outlined in this measure.
B-07j: Submit a Habitat Management Plan	A Habitat Management Plan was submitted to the appropriate agencies for review and approval on September 22, 2010.
B-07l: Conduct brushing or grading in occupied habitat outside breeding season February 15-August 30	This mitigation measure will be fulfilled during construction.
B-07l: Conduct survey within 10 days of initiating other activities in area and submit to agencies	Nesting surveys for coastal California gnatcatcher will be conducted by a qualified biologist within 10 days of construction. Results of the surveys will be submitted to Wildlife Agencies for review and approval.
B-07l: Establish 300-foot buffer if active nest found	This mitigation measure will be fulfilled during construction.
B-07l: Mitigate the loss of occupied habitat and unoccupied designated critical habitat	The Habitat Acquisition Plan discusses mitigation for impacted habitat. A draft Habitat Acquisition Plan was submitted to the CPUC for review and approval on February 4, 2010.

Mitigation Measure and APM	Status
B-07l: Submit a Habitat Management Plan	A Habitat Management Plan has been submitted to the appropriate agencies for review and approval on September 22, 2010.
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.
B-10a: Install transmission lines using Avian Power Line Interaction Committee standards	SDG&E shall install transmission lines as outlined in this mitigation measure. Where diverters/markers have been installed, a study will be funded as outlined in this measure.
BIO-APM-01: Submit protocol surveys for sensitive plant and wildlife	On-the-ground protocol surveys have been conducted for sensitive plant and animal species as appropriate along the entire alignment. SDG&E has submitted survey reports for the 2009 survey season. All 2010 surveys are complete and SDG&E is in the process of providing 2010 survey reports. The 2010 Riparian Bird Survey Report was submitted to the agencies on October 28, 2010. The following reports will be submitted as soon as they are complete; The 2010 Arroyo Toad Survey, the 2010 Quino Checkerspot Butterfly Survey, the 2010 Coastal California Gnatcatcher Survey, and the 2010 Rare Plant Survey.

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 paved and unpaved access roads when feasible.
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 the 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	Final Grading Plans and Plan and Profiles has been submitted to the CPUC on September 2, 2010. Project and survey activities will be confined to areas noted in final engineering drawings.
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	To the extent possible, access roads shall be constructed as outlined in this mitigation measure.
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 March 30, 2010. Culverts will be installed as necessary.
BIO-APM-05: Minimize disturbance from construction and maintenance activities	This mitigation measure will be fulfilled during construction.
BIO-APM-06: Comply with all applicable environmental laws and regulations	This mitigation measure will be fulfilled during construction.
BIO-APM-07: Littering is not allowed	Littering will be prohibited on this 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.
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.

Mitigation Measure and APM	Status
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 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 entered into SDG&E's mitigation measure tracking system and Sempra's system-wide mapping 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	This mitigation measure will be fulfilled during and post construction.
BIO-APM-18: Design structures and access roads to minimize impacts to sensitive features	A memo was submitted to the CPUC documenting compliance with Mitigation Measure BIO-APM-18, Task 1, on September 1, 2010. The project structures and work areas were designed to avoid sensitive features, to the extent feasible.
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. SDG&E has designed structures in conformance with "Suggested Practices for Raptor Protection on Power Lines."
BIO-APM-22: Salvaging may include removal and stockpiling for replanting	This mitigation measure will be fulfilled during construction.
BIO-APM-23: Remove only minimum amount of vegetation necessary for construction	This mitigation measure will be fulfilled during construction.
BIO-APM-23: Conserve topsoil in areas of sensitive habitat	This mitigation measure will be fulfilled during construction.
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.

Mitigation Measure and APM	Status
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	See B-1c
G-CM-02: Use SDG&Es Water Quality Construction BMP Manual.	See WQ-APM-4. This mitigation measure will be implemented during construction.
G-CM-03: Obtain NPDES permit and implement a SWPPP.	See WQ-APM-14
G-CM-04: Training to implement conservation measures.	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.	Final Grading Plans and Plan and Profiles has been submitted to the CPUC on September 2, 2010. Project and survey activities will be confined to areas noted in final dimensioned engineering drawings.
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
G-CM-10: Emergency repairs will follows 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 documenting compliance with Mitigation Measure BIO-APM-18, Task 1, on September 1, 2010. The project structures and work areas were designed to avoid sensitive features, to the extent feasible

Mitigation Measure and APM	Status
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.	See B-3a
G-CM-20: Contents of the Weed Control Plan.	See B-3a
G-CM-23: Use appropriately sized equipment.	This mitigation measure will be implemented during construction.
G-CM-24: Develop a Dust Control Plan.	A Dust Control Plan was approved by the CPUC on January 20, 2010. Dust Control Plan measures will be implemented during project construction. (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

Mitigation Measure and APM	Status
G-CM-28: Coordinate w/land officer 60 days prior to initiating construction to determine the use of gates and signs at access roads.	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 Project site specific SWPPPs designate where fueling is permitted to occur. Unless otherwise indicated in the SWPPP's, all other areas are considered "No-Fueling Zones".
G-CM-42: Maintain riparian buffer construction/staging areas and riparian areas.	This mitigation measure will be implemented during construction.
G-CM-44: Determine project limits for temporary and permanent disturbance to occur during maintenance activities.	Final Grading Plans and Plan and Profiles has been submitted to the CPUC on September 2, 2010. Project and survey activities will be confined to areas noted in final engineering drawings. The preconstruction component of this measure is complete. Additional requirements will be implemented during construction.
G-CM-45: Purchase/dedicate suitable habitat for preservation.	See B-1a
SS-CM-01: Avoid Impacts to Thornmint	Focused surveys for San Diego thornmint were conducted in 2009 and 2010. No San Diego thornmint was observed on Link 2; therefore, there are no impacts to this species and this mitigation measure is not applicable.
SS-CM-01: Implement Weed Control Plan (G-CM-20).	Focused surveys for San Diego thornmint were conducted in 2009 and 2010. No San Diego thornmint was observed on Link 2; therefore, there are no impacts to this species and this mitigation measure is not applicable.
SS-CM-02: Compensation of unavoidable impacts.	Focused surveys for San Diego thornmint were conducted in 2009 and 2010. No San Diego thornmint was observed on Link 2; therefore, there are no impacts to this species and this mitigation measure is not applicable.

Mitigation Measure and APM	Status
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.	Restoration of QCB habitat is not anticipated to be necessary; however, if, during construction, restoration of impacted habitat is needed, SDG&E will follow the Recovery Plan (Service 2003a) for QCB as required by this measure.
SS-CM-06: Quino habitat within the Jacumba Unit.	This mitigation measure is not applicable to Link 2. This mitigation measure addresses only the Jacumba Unit of QCB which only occurs on Link 1.
SS-CM-07: Construction during Quino flight season.	This measure will be implemented during construction.
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.	SDG&E has developed and received approval from the USFWS on November 3, 2010 of the Arroyo Toad Translocation Monitoring Program.
SS-CM-10: Develop and implement predator control program in USFS lands.	SDG&E is in the process of developing an arroyo toad predator control program. This will be coordinated with the USFWS, USFS, and BLM and will be implemented during construction
SS-CM-11: Requirements for arroyo toad-occupied habitat loss.	The Habitat Acquisition Plan discusses mitigation for impacted habitat. A draft Habitat Acquisition Plan was submitted to the CPUC for review and approval on February 4, 2010.
SS-CM-12: Daylight use of access roads to avoid/minimize impacts to arroyo toads.	This measure will be implemented during construction.
SS-CM-13: No construction activities during arroyo toad breeding season.	This measure will be implemented during construction.
SS-CM-15: Do not locate improvements within arroyo toad upland aestivation and riparian breeding habitat.	The April 30, 2010 Mapbook and Project Modification Report (PMR) illustrate changes to the final design of the alignment to avoid suitable/potential ARTO habitat where feasible. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum on September 22, 2010.
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-2a

Mitigation Measure and APM	Status
SS-CM-18: Develop and implement brown-headed cowbird trapping program for USFS lands.	SDG&E is in the process of developing a cowbird trapping program. This will be coordinated with the USFS and USFWS, and will be implemented during construction on USFS lands.
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.	The Habitat Acquisition Plan discusses mitigation for impacted habitat. A draft Habitat Acquisition Plan was submitted to the CPUC for review and approval on February 4, 2010.
SS-CM-21: Compensate for loss of unoccupied gnatcatcher habitat.	The Habitat Acquisition Plan discusses mitigation for impacted habitat. A draft Habitat Acquisition Plan was submitted to the CPUC for review and approval on February 4, 2010.
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 2. PBHS habitat occurs between mileposts 21 and 31 on Link 1; therefore this mitigation measure is not applicable. (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 2; therefore this mitigation measure is not applicable. (See B-7c)
SS-CM-24: Big Horn Sheep Monitoring Plan.	There is no Peninsular Big Horn Sheep (PBHS) habitat on Link 2; therefore this mitigation measure is not applicable. (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 2; therefore this mitigation measure is not applicable. (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 2; therefore this mitigation measure is not applicable. (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 2; therefore this mitigation measure is not applicable. (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 2; therefore this mitigation measure is not applicable. (See B-7c)
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 2; therefore this mitigation measure is not applicable. (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 2; therefore this mitigation measure is not applicable. (See B-7c)
V-01a: Screen construction sites if visible from public areas	The pre-construction component of this measure has been completed. The location of staging, material and equipment storage areas and helicopter fly yards are shown in the Project Modification Report submitted on May 14, 2010 and approved by the CPUC and BLM on September 22, 2010. The Construction Yard Visual Screening Plan also shows the location of these yards and illustrates how these areas will be visually screened with temporary screening fencing. The Construction Yard Visual Screening Plan submitted to the CPUC, City of San Diego, BLM and USFS on August 4, 2010 and to Helix Water District on August 19, 2010. The Construction Yard Visual Screening Plan was approved by the CPUC on October 19, 2010.
V-01a: Submit final construction plans 60 days prior to construction	Final construction grading plans and Plan and Profile drawings were submitted to the CPUC, BLM, USFS, County of San Diego and Helix Water District on September 2, 2010.

Mitigation Measure and APM	Status
V-01b: Design and install lighting to avoid night lighting impacts	SDG&E submitted a Construction Lighting and Mitigation Plan as outlined in this mitigation. Comments were received from the agencies and incorporated into a final plan that was submitted October 19, 2010. The measures in this plan will be implemented during construction.
V-01b: Submit a Construction Lighting Mitigation Plan 90 days prior to construction	SDG&E submitted a Construction Lighting and Mitigation Plan as outlined in this mitigation. Comments were received from the agencies and incorporated into a final plan that was submitted October 19, 2010.
V-02a: Construct access and spur roads at appropriate angles	Construction of access or spur roads shall occur as outlined in this measure.
V-02a: Consult with visual resources specialist to evaluate access road visibility prior to final design	A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved on September 22, 2010. The final design of access roads was based on coordination with several visual resource specialists. On forest lands, the forest visual resource specialist is providing recommendations.
V-02a: Submit table 60 days prior to construction	SDG&E has submitted a Tower Color Review table in coordination with the CPUC and USFS visual resource specialists. SDG&E has also coordinated with the USFS visual specialist. SDG&E will submit a final Scenery Conservation Plan to the agencies for review.
V-02a: Submit final construction plans 60 days prior to construction	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment and incorporates a redesign of the access roads based on coordination with several visual resources specialists. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved on September 22, 2010. Final Grading Plan and Profiles were submitted to the CPUC on September 2, 2010.
V-02b: Create barriers for public access if opened as a construction route	This mitigation measure will be fulfilled during construction.
V-02b: Submit final construction and restoration plans 60 days prior to construction	The Project Modification Report submitted on May 14, 2010 and approved by BLM and CPUC through a Determination Memorandum on September 22, 2010, illustrates changes to the final design that would reduce visual contrast from unnatural vegetation lines. SDG&E is working with the CPUC's visual resource specialist to finalize restoration plans in compliance with this measure. The final Scenery Conservation Plan will be submitted in December 2010.
V-02c: Treat disturbed soils visible from sensitive public viewing locations	SDG&E submitted a Restoration Plan for Sensitive Vegetation Communities in Temporary Impact Areas on September 24, 2010. During construction, SDG&E will consult with the Authorized Officer regarding the site-by-site use of Eonite. This measure is only applicable to non-Forest lands.
V-02c: Submit final construction and restoration plans 60 days prior to construction	SDG&E has submitted Final Grading Plans and Plan and Profile drawings on September 2, 2010 for the overhead portion of the project. A Restoration Plan for Temporary Impacts to Sensitive Vegetation Communities was submitted on September 24, 2010.
V-02d: Consult regarding helicopter construction techniques	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment and incorporates a redesign of the alignment based on coordination with appropriate land management agency officials and/or authorized officers 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. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by CPUC and BLM through a Determination Memorandum dated September 22, 2010.
V-02d: Conduct Agency Consultations 120 days prior to construction	SDG&E has coordinated with the appropriate agencies and received approvals 120 days prior to construction. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment and incorporates a redesign of the alignment based on this coordination. Seventy-five percent of the structures on USFS land will be constructed by helicopter. The Project Modification Report and Mapbook were submitted to the CPUC on May 14, 2010 and approved by the CPUC and BLM through a Determination Memorandum dated September 22, 2010.
V-02f: Limit vegetation clearing	This measure will be implemented during construction.
V-02f: Incorporate mitigation to reduce total visual impact	SDG&E is preparing a Scenery Conservation Plan that will discuss mitigation to reduce the total visual impact of vegetation clearing. The Scenery Conservation Plan will be submitted for review in December 2010.
V-02f: Submit Scenery Conservation Plan at least 120 days prior to construction	SDG&E is preparing a Scenery Conservation Plan, which will be submitted for review to the CPUC and USFS in December 2010. The Scenery Conservation plan only applies to USFS lands.

Mitigation Measure and APM	Status
V-03a: Conductors shall be non-specular	SDG&E submitted a memorandum to the CPUC on September 30, 2010 demonstrating that SDG&E has ordered non-specular conductor in order to reduce conductor visibility and visual contrast of conductors and towers in compliance with this measure.
V-03a: Consult with a visual resources specialist to evaluate new access roads	The final design of the alignment incorporates a redesign and elimination of access roads based on coordination with several visual resources specialists representing the USFS. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved on September 22, 2010.
V-03a: Submit a table 60 days prior to construction	SDG&E has submitted a draft Tower Color Review table in coordination with the CPUC visual resource specialist on March 17, 2010 to the CPUC. SDG&E will submit the final table once available.
V-45a: File Scenery Conservation Plan within 1 year after license is issued	SDG&E is preparing a Scenery Conservation Plan, which will be submitted for review in December 2010.
VR-APM-01: Place structures at maximum distance from crossings	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment to reduce visual impacts at highway, canyon, and trail crossings. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved on September 22, 2010.
VR-APM-03: Match structure spacing when parallel to an existing line	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment where the line parallels existing transmission lines. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum dated September 22, 2010. SDG&E also submitted a memorandum to the CPUC for the administrative record on September 9, 2010 documenting compliance with this measure.
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	SDG&E did not locate structures directly in front of residences or in direct line-of-sight from residences, where possible. The majority of Link 2 is on Forest Service lands and residences are not present. SDG&E consulted with affected property owners on the proposed structure locations to reduce land use and visual impacts. SDG&E has coordinated with affected landowners in accordance with MM L-2b.
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 for site specific areas of the Project.
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 for site specific areas of the Project.
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 for site specific areas of the Project.
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, but 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 and approved by BLM and CPUC through a Determination Memorandum dated September 22, 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	SDG&E placed new structures more than 330 feet from existing residences to the extent feasible. Only two structures are closer than 330 feet to a residence and were not able to be moved. These structures include CP-7 (located on Link 5) and EP-228 (located on Link 1).
LU-APM-03: Compensate farmers for loss of crops	No agricultural operators will be impacted on Link 2 that require compensation for loss of crops; therefore, this mitigation measure is not applicable. SDG&E has met with a vineyard owner on Link 2, no loss of crops will result from construction activities. A memo summarizing coordination with agricultural operators was submitted to the CPUC on October 15, 2010. See mitigation measures Ag-1a and Ag-1c.
LU-APM-03: Avoid planting, growing, and harvesting seasons	This measure will be implemented during construction.
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 on Link 2; 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 will pay just compensation to the property owners through contractual agreements with each landowner. SDG&E submitted a memo to CPUC on October 5, 2010 documenting landowner notification and consultation. The final alignment is shown on the PMR Mapbook approved September 2010.

Mitigation Measure and APM	Status
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). No General Plan updates are planned for Imperial County or the City of San Diego. 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
LU-APM-09: Obtain ministerial land use permits	SDG&E will obtain all necessary and/or appropriate ministerial land use permits.
LU-APM-10: Match structure locations with existing transmission facilities	A memo was submitted to the CPUC for the administrative record documenting compliance with Mitigation Measure LU-APM-10, Task 1, on September 9, 2010. Proposed structure locations were matched with existing transmission facilities along the existing 500 kV Southwest Powerlink (SWPL) line and two 69 kV transmission lines. The Sunrise Powerlink parallels SWPL from Imperial Valley Substation to the Jacumba SWPL Breakaway Point Reroute.
R-APM-02a: Provide advance notice if restrictions in access routes to recreational use areas	This mitigation measure will be implemented during construction.
R-APM-02b: No construction on federal holidays that affects trail use	This measure will be implemented during construction.
R-APM-02c: Coordinate construction activities affecting parkland and trails prior to construction	SDG&E has coordinated with the appropriate land management agencies, as required. During construction, advance notice of restrictions to recreational use areas will be provided to the agencies.
R-APM-02d: Post signs at alternative park access and parking	This measure will be implemented during construction.
R-APM-02e: Post signs at alternative trails and bikeways	This measure will be implemented during construction.
R-APM-02f: Post signs at equestrian trails during helicopter construction	This measure will be implemented during construction.
R-APM-02f: Regularly check and maintain signs	This measure will be implemented during construction.
WR-01a: Coordinate construction activities and schedule 60 days prior to construction	SDG&E has been coordinating with the County of San Diego to identify recreational areas that may be impacted by the project and will schedule construction to avoid temporary preclusion of recreational area use. SDG&E will continue its coordination with the County of San Diego and other jurisdictional agencies during construction.
WR-01a: Submit documentation of coordination 30 days prior to construction	SDG&E submitted a memorandum to the CPUC for the administrative record on November 5, 2010 documenting its coordination efforts related to recreational areas and trails. SDG&E has coordinated with the USFS, BLM and County of San Diego regarding recreational areas and trails.
WR-01b: Coordinate temporary detours of trails 60 days prior to construction	SDG&E began coordination efforts with the Trails Coordinator for San Diego County on June 21, 2010. Coordinating with the County 60-days prior to construction has been fulfilled. Coordination efforts are on-going and will continue throughout the preconstruction and construction phases of the project. A memo documenting coordination efforts was submitted to the CPUC for the administrative record on November 5, 2010.
WR-01b: Site new trail segments to avoid sensitive resources and restore to pre-construction conditions	This measure will be implemented during construction.
WR-01b: Post public notices at trail detours	This measure will be implemented during construction.
WR-01b: Submit documentation of coordination 30 days prior to construction	See Wr-1a

Mitigation Measure and APM	Status
WR-01c: Coordinate alternative recreation facilities 60 days prior to construction	SDG&E has made considerable effort to work with local agencies to identify alternative recreational areas that may be used by the public in lieu of affected parks during construction. SDG&E has submitted documentation of this coordination to the CPUC for the administrative record on November 5, 2010.
WR-01c: Post public notices at recreation facilities	This measure will be implemented during construction.
WR-01c: Submit documentation of coordination 30 days prior to construction	SDG&E has made considerable effort to work with local agencies to identify alternative recreational areas that may be used by the public in lieu of affected parks during construction. SDG&E has submitted documentation of this coordination to the CPUC for the administrative record on November 5, 2010.
WR-02a: Relocate 500kV line along southern boundary of JAM properties	SDG&E relocated the overhead 500 kV transmission line along the southern boundary of JAM properties as required to minimize effects on BLM land, Forest land, and private property. This measure applies to both Links 1 and Link 2.
WR-02a: Submit memo and construction plans 120 days prior to construction	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating a reroute of the BCD Alternative Revision to reduce effects on recreation. The Project Modification Report confirms that this measure has been addresses and approved (see page 2-47 of the PMR determination).
WR-02b: Coordinate and submit route options for revising the Pacific Crest Trail	SDG&E began consultations and coordination efforts with the U.S. Forest Service (USFS), BLM, and Pacific Crest Trail Association (PCTA) in early May 2010 to develop route options to minimize the number of times the Pacific Crest Trail crosses the Modified Route D Alternative alignment. The Project Modification Report addresses the Pacific Crest Trail in PMR21, pages 4-81 through 4-84.
WR-03a: Coordinate to determine locations of tower sites and spur roads	See Wr-1c
WR-03a: Coordinate 60 days prior to construction and submit documentation 30 days prior to construction	SDG&E has made considerable effort to work with local agencies to identify alternative recreational areas that may be used by the public in lieu of affected parks during construction. SDG&E has submitted documentation of this coordination to the CPUC for the administrative record on November 5, 2010.
AG-01a: Coordinate with property owners and tenants 60 days prior to construction	<p>SDG&E has coordinated with agricultural property owners and tenants in order to ensure avoidance or minimization of interference with agricultural operations.</p> <p>On Link 2, SDG&E has coordinated with property owner regarding access to structure locations to minimize impacts to vineyards. SDG&E met with Mr. Westfall on October 21, 2009. A memorandum summarizing this coordination was submitted to CPUC on October 15, 2010 for their administrative record.</p>
AG-01c: Coordinate with grazing operators 60 days prior to construction and 30 days after construction	<p>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.</p> <p>SDG&E has acquired a road easement (Cameron Truck Trail) from Tulloch landowners that crosses grazing lands. A new cattle gate was requested by Tulloch to address the containment and management of his cattle. The gate will be installed during construction of the access road.</p>
AG-03b: Consult and notify 60 days prior to erection of any structure affecting aerial applicator operations	SDG&E sent notification letters to aerial applicators operating in San Diego and Imperial counties on July 6, 2010. Copies of these notifications were sent to the CPUC, BLM and County Farm Bureaus on July 13, 2010. The notification advised when and where the new transmission line and towers will be erected and included aerial maps depicting the proposed project route and agricultural lands near the route.
AG-03b: Provide maps of the alignment on or near agricultural lands	SDG&E sent notification letters to aerial applicators operating in San Diego and Imperial Counties on July 6, 2010. Copies of these notifications were sent to the CPUC, BLM and County Farm Bureaus on July 13, 2010. The notification advised when and where the new transmission line and towers will be erected and included aerial maps depicting the proposed project route and agricultural lands near the route.
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 selected ROW and tower locations were staked prior to the cultural resource field surveys.

Mitigation Measure and APM	Status
C-01b: Protect potential and register-eligible resources from direct project impacts	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment to avoid impacts to potentially register-eligible and register eligible resources based on preliminary National Register of Historic Places and consultation with the BLM and CPUC. A revised Mapbook and PMR was submitted on May 14, 2010 and approved on September 22, 2010 through a determination memorandum. Efforts are on-going to determine resource eligibility and to avoid impacts to significant resources.
C-01b: Undertake additional studies if resources cannot be protected from direct impacts	One cultural resource site has been identified where impacts cannot be avoided. Where potentially NRHP- and/or CRHR-eligible cultural resources cannot be protected or avoided, additional studies will be completed and recommendations for mitigation will be made. An eligibility evaluation report will be developed and submitted when available. This information will be provided in the project HPTP. Field data is being used to refine project design and minimize impacts to these 25 resource areas.
C-01b: Incorporate results of studies in HPTP	A Historic Properties Treatment Plan (HPTP) will be developed as appropriate based on the results of the eligibility evaluation of the archaeological resources identified in the Class III Survey Report. SDG&E will submit the HPTP to the BLM and CPUC for review and approval in December 2010.
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 as an ESA if within 50 feet of direct impact areas. These ESAs will be monitored by archaeological and Native American 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 the area as an ESA. These ESAs will be inspected by Cultural Monitors during construction and all damage or alteration of the ESA marking will be reported and/or repaired as appropriate.
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. The HPTP will be prepared and submitted to the BLM and CPUC upon completion of a draft.
C-01c: Submit Historic Properties Treatment Plan	The Historic Properties Treatment Plan (HPTP) is currently being prepared. SDG&E will submit the HPTP to the BLM and CPUC for review and approval in December 2010.
C-01d: Conduct data recovery investigations to reduce adverse effects	Data gathered during the eligibility evaluation phase will be summarized in the Historic Properties Treatment Plan (HPTP). Data-recovery methods, sample sizes, and recommended procedures will be detailed in the HPTP as appropriate. A data recovery report and documentation of other mitigation efforts will be prepared and submitted to the BLM and CPUC for review and approval.
C-01d: Submit field closure report prior to construction within 100 feet of affected resource	This mitigation measure will be fulfilled for those resource areas to which it applies.
C-01d: Submit final report of data-recovery investigations within 1 year of completing fieldwork	This mitigation measure will be fulfilled within one year of the completion of fieldwork.
C-01e: Implement archaeological monitoring at cultural ESAs	This mitigation measure will be fulfilled during construction. The locations of the ESAs will be provided in the HPTP.
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	The HPTP will identify areas where Native American monitors will be required and the Tribal affiliation will be defined as appropriate.
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.

Mitigation Measure and APM	Status
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	Government-to-government consultations have been ongoing. 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. Records of consultations are being compiled by the BLM. Monitoring will partially fulfill this mitigation measure and the rest of the measure will be satisfied during construction.
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. Any discoveries will be processed in the manner described and the detailed process is presented in the HPMP and HPTP for this project.
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, statutes 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 have been ongoing. Records of consultations are being held with the BLM. This measure will be satisfied during construction.
C-02a: Divert work if human remains are discovered and inform officer	This mitigation measure will be fulfilled during construction.
C-03a: Implement archaeological monitoring	A monitoring process was incorporated into the Historic Properties Management Plan and is summarized in the HPTP. All necessary monitoring will be reported as part of the weekly submittal process during construction.
C-03a: Divert work if buried cultural material discovered and notify archaeologist	This mitigation measure will be fulfilled during construction. There is a detailed Discovery Plan in the approved HPMP for the project.
C-04a: Assist and support BLM in consultations with Native Americans to assess 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 and the "Inventory Report for Sunrise Cultural Resources." 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.
C-06a: Provide inventory to conduct visual analysis of all known and potential historic built environment resources in HPTP	Historic built environment resources within 0.5 miles of the Project were inventoried and those that are eligible for nomination to the National Register were evaluated for impacts to their viewshed from the Project. An HPTP is being prepared with mitigation measures for visual impacts to identified properties. SDG&E will submit the HPTP to the BLM and CPUC for review in December 2010.
C-06e: Minimize visual intrusion of aboveground portion on Highway 80	Project design and location has taken this measure into account. There were no impacts to Old Highway 80 identified in this portion of the Project.
C-06e: Include protection plan for Old Highway 80 in HPTP	There are no portions of Old Highway 80 within Link 2 that require protection; therefore this mitigation measure is not applicable.
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.

Mitigation Measure and APM	Status
CR-APM-02: Flag archaeological sites eligible for National Register	Cultural site inventories have been conducted. An HPTP is in preparation. Cultural resource sites have been avoided to the extent feasible and sites that cannot be avoided are being evaluated for National Register eligibility. Cultural resource sites in proximity to the project will be protected using Environmentally Sensitive Area designations.
CR-APM-02: Implement impact avoidance and APMs during construction	SDG&E has consulted with the appropriate land management agencies to avoid impacts to cultural resources. Avoidance measures will be implemented during construction.
CR-APM-03: Report within 24 hours any previously unidentified cultural resource discovered	This mitigation measure will be fulfilled during construction.
CR-APM-03: Suspend operations in the immediate area of the discovered cultural resource	This mitigation measure will be fulfilled during construction as needed.
CR-APM-03: Evaluate the discovered resource and determine appropriate actions.	This mitigation measure will be fulfilled during construction as needed.
CR-APM-03: Develop a treatment plan to mitigate impacts	The HPTP and HPMP provide direction for discovery and mitigation of impacts to cultural resource sites.
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	An Historic Properties Management Plan has been prepared by SDG&E and approved by the agencies on July 15, 2010 which incorporates the guidance in this measure and which will be implemented during construction.
CR-APM-06: Avoid historic properties by fencing or barricading	Historic properties have been surveyed and will be included in the HPTP. The HPTP will be submitted to the CPUC when available. Properties that cannot be avoided will be flagged as ESAs. These ESAs will be monitored by cultural monitors during construction and observations will be summarized and submitted to the CPUC in the weekly report.
CR-APM-06: Implement a plan if historic properties cannot be avoided	SDG&E has consulted with the appropriate property owners to avoid impacts to historic properties. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment based on these consultations. The Project Modification report briefly discusses these reroutes. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by the BLM and CPUC through a Determination Memorandum on September 22, 2010.
CR-APM-07: Control impacts that can deteriorate historic	This mitigation measure will be fulfilled during construction.
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	This mitigation measure will be fulfilled during construction.
CR-APM-07: Minimize deterioration to buildings and structures	This mitigation measure will be fulfilled during construction.
CR-APM-07: Implement a plan if deterioration cannot be avoided	This mitigation measure will be fulfilled during construction.
CR-APM-08: Avoid and protect landscaping essential to historic property	SDG&E has consulted with the appropriate property owners to avoid impacts to historic properties. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment based on these consultations. The Project Modification report briefly discusses these reroutes. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by the BLM and CPUC through a Determination Memorandum on September 22, 2010.
CR-APM-08: Minimize intrusion to the historic setting	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
CR-APM-09: Restrict construction and operation access	This mitigation measure will be fulfilled during construction.
CR-APM-09: Instruct construction and maintenance personnel to protect sensitive properties	Construction and maintenance personnel will be instructed in protection of sensitive properties.
CR-APM-10: Span conductors over historic property	A memo was submitted to the CPUC on September 13, 2010 documenting compliance with this mitigation measure. As part of the final design, SDG&E located project structures so that conductors span linear historic property to the extent feasible.
CR-APM-10: Boring shall avoid disturbance to historic property	Boring is not required to avoid historic properties on the overhead portion of the line; therefore, this mitigation measure is not applicable.
CR-APM-11: Implement standard practices on private land	SDG&E has conducted cultural surveys for staging areas not identified in the approved FEIR/EIS.
CR-APM-12: Conduct cultural surveys for staging areas not yet identified	SDG&E has performed cultural surveys for staging areas not previously identified. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating a redesign of the alignment based on these surveys. The Project Modification report briefly discusses these changes. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by a Determination Memorandum dated September 22, 2010.
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.
PAL-01c: Conduct full-time paleontological construction monitoring	The areas that require paleontological monitoring have been identified and monitors will be present during ground disturbance activities.
PAL-01c: Conduct part-time monitoring of sediments with low marginal undetermined sensitivity	This mitigation measure will be fulfilled during construction.
PAL-01c: Divert construction activities when significant fossils are recovered	The approved Monitoring and Treatment plan specifies a process for the discovery of paleontological resources.
PAL-01d: Implement Treatment Plan if significant paleontological resources are unavoidable	This mitigation measure will be fulfilled during construction.
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 during construction.
N-01a: Obtain a variance for night construction or 200 feet from sensitive receptors 45 days prior to construction	This mitigation measure will be fulfilled during construction. If it is determined that a variance is needed for construction noise, it will be applied for and obtained prior to construction.
N-01a: Employ noise suppression techniques	This mitigation measure will be fulfilled during construction.
N-02a: Manage blasting with a plan for each site 45 days prior to construction	The preconstruction component of this measure is complete. A Blasting Preparation and Protection Plan was submitted to the CPUC on July 7, 2010. If blasting is deemed necessary a site-specific blasting plan will be submitted to the CPUC.
N-02a: Restore damaged structure and compensate owner	This mitigation measure will be fulfilled post construction, as needed.
NOI-APM-01: Provide notice to sensitive receptors and residences within 300 feet of construction	The Construction Notification Plan addresses notification 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.

Mitigation Measure and APM	Status
NOI-APM-01: Provide a public liaison person before and during construction.	The Construction Notification Plan identifies a public liaison person that will respond to concerns of neighboring receptors about noise disturbances. The Plan was approved by the CPUC on March 1, 2010.
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-01a: Restrict lane closures or obstructions on major roadways	Lane closures are not anticipated to occur; however, if lane closures do occur this measure will be implemented during construction. Lane closures will be addressed in traffic plans as necessary.
T-04a: Provide temporary pedestrian access	Interference with pedestrian access is not anticipated to occur; however, if lane closures do occur this measure will be implemented during construction.
T-04a: Provide detours and signs for bike route closures	Bike route or path closures are not anticipated to occur; however, if lane closures do occur this measure will be implemented during construction.
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	Access agreements/easements will be obtained prior to any road work. Measures required in the agreement/easement will be implemented during construction.
T-07a: Conform to agency requirements if parking spaces are eliminated or relocated	The Construction Notification Plan addresses notification of the public through local newspapers and on-site postings when parking spaces may be temporarily eliminated or relocated. 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.
T-09a: Prepare a Construction Transportation Management Plan	A project-wide Traffic Study was submitted on April 28, 2010 and approved by Imperial County on August 19, 2010, San Diego County on September 29, 2010 and Caltrans on August 19, 2010. The Study revealed that there is only one area, Highway 67 on Link 5, where a CTMP will be required. The letters documenting this coordination for Imperial County was submitted to CPUC on October 15, 2010 and on October 20, 2010 for the County of San Diego and Caltrans.
T-11b: Provide notification when and where the line will be erected prior to construction	SDG&E has consulted with U.S. Customs and Border Patrol regarding the location of new transmission lines and towers. SDG&E met with U.S. Customs and Border Patrol representatives on December 17, 2009, February 8, 2010, and April 20, 2010. A memo documenting this coordination was provided to CPUC for the administrative record on October 15, 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 the 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-02a: Obtain permits for temporary lane closures	Prior to construction in areas where a temporary lane closure is determined to be necessary, SDG&E will obtain required permits from the County of San Diego, and CALTRANS. This measure will be satisfied during construction.
T-APM-02b: Submit Detour Plans	Prior to construction in an area where detours are determined to be necessary, SDG&E will submit detour plans to the County of Imperial, County of San Diego, and CALTRANS. No detours will occur until detour plans are submitted to the appropriate agency and permits are obtained.
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 mitigation 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	SDG&E will coordinate with emergency service providers prior to initiation of construction activities that would restrict movements of emergency vehicles. This measure will be satisfied during construction.

Mitigation Measure and APM	Status
T-APM-04a: Notify cities and counties regarding construction activities	SDG&E shall notify and provide required information to counties and cities prior to initiation of construction activities that could impact police, fire, ambulance and paramedic services. This measure will be satisfied during construction.
T-APM-05a: Coordinate construction activities adjacent to school bus stops with school districts 1 month prior to construction	SDG&E has coordinated with school districts project wide to discuss construction activities adjacent to school bus stops. Documentation of this coordination effort was provided to CPUC for the administrative record on October 28, 2010.
T-APM-05a: Consult with transit authorities 1 month prior to construction	SDG&E has coordinated with the Imperial Valley Transit District and the Metropolitan Transit District to discuss construction activities and potential impacts to transit services. Documentation of this coordination effort was provided to CPUC for the administrative record on October 28, 2010.
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-08a: Obtain permit(s) if entering railroad right-of-way	No railroad crossing permits are required for Link 2; therefore, this mitigation measure is not applicable.
T-APM-09a: Underground utility facilities within 1,000 feet of an Officially Designated Scenic Highway	There will be no new or relocated utility facilities on Links 1, 2, or 5 within 1,000 feet of an Officially Designated Scenic Highway. Therefore, this measure is not applicable to Links 1, 2, or 5.
T-APM-10a: Ensure continuous access to properties	During construction, SDG&E will ensure that the construction contractor provides driveway access to businesses and residences.
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.
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 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. It is not anticipated that hazardous waste will be stored in project areas or that the storage of hazardous materials will exceed 55 gallons for liquids, 500 pounds for solids, 220 cubic feet for gases or 1320 gallons of oil in storage containers 55 gallons or larger. In addition, hazardous materials and/or wastes will not be located in project areas until construction begins. If the regulatory thresholds discussed herein are exceeded, then appropriate safety plans, such as a HMBP and/or SPCC Plan will be developed as the project progresses and storage locations are identified. Plans will be updated during construction as needed.
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 Phase 1 Environmental Site Assessment was submitted to CPUC for review on 12/3/09.
HS-APM-07: Train personnel to recognize UXO	
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	A memo was submitted to the CPUC for the administrative record documenting compliance with Mitigation Measure HS-APM-9, Task 1, on September 10, 2010.
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.

Mitigation Measure and APM	Status
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	See T-9a
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-02a: Test farmed soil samples and submit sampling and testing plan 60 days prior to construction	The Sampling and Testing Plan was approved on 3/23/10. The Agricultural Sampling Report dated May 7, 2010 was approved on September 2, 2010.
P-02a: Submit laboratory results 30 days prior to construction	The Sampling and Testing Plan was approved on 3/23/10. The Agricultural Sampling Report dated May 7, 2010 was approved on September 2, 2010. The Soil Management Plan was approved by the CPUC on September 9, 2010. This measure is complete for all project areas with the exception of one property in Link 5 associated with structures CP63 and CP64.
P-02a: Follow regulatory procedures for handling and disposal of contaminated soil	Excavated materials containing elevated levels of pesticide or herbicide will be managed in compliance with the Soil Management Plan approved by the CPUC on September 9, 2010.
P-02a: Use effective dust suppression procedures	During construction, effective dust suppression procedures will be used in construction areas to reduce airborne emissions of these contaminants and reduce the risk of exposure to workers and the public.
P-02a: Consult regulatory agencies for handling, treatment, and/or disposal	Regulatory agencies for the State of California (DTSC or RWQCB) and San Diego County will be contacted by SDG&E or its contractor to plan handling, treatment, and/or disposal options.
P-03a: Collect soil or groundwater samples if contaminated	This measure will be implemented during construction.

Mitigation Measure and APM	Status
P-03a: Coordinate with regulatory agencies if contaminated soil or groundwater confirmed by laboratory data	This measure will be implemented during construction.
P-03b: Submit report to agencies of contaminated soil within 30 days of laboratory data receipt	This measure will be implemented during construction.
P-07a: Implement steps 60 days prior to construction if excavation will occur	The Soil Management Plan was approved by the CPUC on September 9, 2010 as fully addressing the requirements of this measure. A Phase 1 Environmental Site Assessment was submitted to the CPUC for review on December 2, 2009. In the event that new areas requiring ground disturbance are identified during construction, a Phase 1 will be conducted and submitted to the CPUC prior to construction in those areas.
PS-01a: Limit conductor surface gradient	SDG&E submitted a memorandum to the CPUC on September 30, 2010 demonstrating that SDG&E has limited the conductor surface electric gradient in accordance with the IEEE Radio Noise Design Guide.
PS-02a: Identify objects within and near ROW for induced voltages and implement electrical grounding	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. Dust Control Plan measures will be implemented during project construction.
AQ-01a: Pre-water sites 48 hours prior to clearing	This mitigation measure will be fulfilled during construction.
AQ-01a: Reduce amount of disturbed area	This mitigation measure will be fulfilled during construction.
AQ-01a: Spray stock-piles daily or as needed	This mitigation measure will be fulfilled during construction.
AQ-01a: Cover loads in trucks or maintain 6 inches of free-board	This mitigation measure will be fulfilled during construction.
AQ-01a: Pre-moisten import and export dirt prior to transport	This mitigation measure will be fulfilled during construction.
AQ-01a: Sweep public streets daily if soil tracking visible	This mitigation measure will be fulfilled during construction.
AQ-01a: Apply soil stabilizers or water on inactive work areas	This mitigation measure will be fulfilled during construction.
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 at the yard. Any portable equipment over 50 hp will be permitted with the local Air Pollution Control District (APCD) or the California Air Resources Control Board. Equipment run logs will be maintained on a daily basis and periodically submitted to the CPUC.
AQ-01h: Obtain NOx emission reduction credits or fund incentive programs prior to construction	Mitigation measure AQ-01h, which was required to achieve emission reductions to levels below the federal thresholds is no longer applicable. The emissions expected based on the PMR are less than the federal General Conformity de minimus thresholds for San Diego Air Basin as determined in the Memorandum of Determination issued by the CPUC in September 2010. For additional information refer to page 9 of the memorandum.
AQ-04a: Report quarterly the status of carbon credits	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.
AQ-04c: Submit SF6 leak detection and repair program 90 days prior to construction	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.

Mitigation Measure and APM	Status
AQ-04c: Become a Partner in EPA's SF6 Partnership prior to construction.	The Partnership MOU between SDG&E and the U.S. EPA was established on February 24, 2010.
AQ-04c: Report SF6 emissions to CCAR	As part of the SF6 Leak Detection and Repair Program developed by SDG&E, reporting of emissions to the CCAR will be conducted. This program was approved on March 12, 2010.
AQ-APM-02: Prohibit grading when wind exceeds 25 mph	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.
AQ-APM-02: Cover loads in trucks or maintain 2 feet of freeboard	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Install snow fence-type windbreaks	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Limit vehicle speeds to 15 mph on unpaved roads	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Water unpaved roads	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Apply soil stabilizers	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Contain exposed stockpiles of soil and other material	This mitigation measure will be fulfilled during construction.
AQ-APM-03: Use methods to minimize mud and dust tracking on paved roads	This mitigation measure will be fulfilled during construction. A Dust Control Plan was approved by the CPUC on January 20, 2010. Conditions of the Dust Control Plan will be implemented and enforced throughout the Project.
AQ-APM-04: Encourage carpooling to job sites	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.
AQ-APM-05: Minimize vehicle idling time with common sense approach	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.
AQ-APM-05: Conduct briefings on common sense vehicle use	This mitigation measure will be implemented during construction.
H-01k: File hazardous substance plan within 1 year of license issuance	SDG&E will comply with all Forest Service conditions as required by the Special Use Permit.
H-01k: Confine vehicles to roads identified in a Road and Traffic Management Plan	This mitigation measure will be fulfilled during construction.
H-01k: File an Erosion Control Measure Plan prior to construction	The SWPPP and NPDES permit associated with WDID #9 37C357500 was submitted to the CPUC and USFS on September 15, 2010. The conditions of the permit and SWPPP will be implemented and enforced during the construction to prevent and avoid hydrologic impacts.
H-01k: Submit NEPA analysis prior to ground disturbing work	The April 30, 2010 Mapbook and Project Modification Report (PMR) illustrate 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. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010.
H-01k: Enter into a cost recovery agreement with the Forest Service	A cost recovery agreement with USFS will be determined before ground disturbing activities may proceed on Forest Service Land.
H-01k: File a Water Resources Management Plan within 6 months of license issuance	A Water Use Study that discussed coordination efforts with local water districts was submitted for review on February 22, 2010. The SWPPPs and NPDES permits associated with the following WDID #s 937C358169 and 937C358216 were submitted to the CPUC on September 15, 2010. Qualified Stormwater monitors will be on-site during construction monitoring erosion control. This will be documented in the weekly monitoring report.
H-01k: File a plan for ground and surface water management within 1 year of license issuance	A Water Use Study that discussed coordination efforts with local water districts was submitted for review on February 22, 2010. Groundwater supplies will not be used during project construction.

Mitigation Measure and APM	Status
H-01l: Submit a site-specific sediment control plan and SWPPP prior to construction	The SWPPP and NPDES permit associated with WDID #9 37C357500 was submitted to the CPUC and USFS on September 15, 2010. The conditions of the permit and SWPPP will be implemented and enforced during the construction to prevent and avoid hydrologic impacts.
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	A Wells and Springs Survey was submitted to CPUC on July 7, 2010 to address this mitigation measure prior to construction. This report was approved by CPUC on September 2, 2010. During construction, if blasting is determined to be necessary near a surveyed well or spring, SDG&E's contractor will prepare a blasting plan that addresses protection of the nearby well or spring.
H-06a: Determine which towers require scour protection during design phase	SDG&E provided the CPUC with an engineering report, sealed by a civil engineer registered in the State of California, demonstrating which towers may reasonably be subject to erosion during the life of the project. The report also provided plans for protection from scour, as well as an engineering demonstration that the tower and associated structures will not induce erosion onto adjacent property. The report was approved by the CPUC on October 7, 2010.
H-06a: Submit evaluation and design plans 60 prior to constructing towers	SDG&E provided the CPUC with an engineering report, sealed by a civil engineer registered in the State of California, demonstrating which towers may reasonably be subject to erosion during the life of the project. The report also provided plans for protection from scour, as well as an engineering demonstration that the tower and associated structures will not induce erosion onto adjacent property. The report was approved by the CPUC on October 7, 2010.
H-07a: Submit a Hazardous Substance Control and Emergency Response Plan 60 days prior to construction	<p>A memo was submitted to the CPUC on Wednesday September 15, 2010 documenting compliance with this mitigation measure and provides the Waste Discharge Identification numbers assigned by the California State Water Resources Control Board. WDID numbers associated with Link 2 include: 937C358169 and 937C358216.</p> <p>Two site-specific SWPPPs have been developed for Link 2. These SWPPPs contain procedures to reduce the potential of spills and emergency response information to ensure quick and safe clean-up of spills.</p>
WQ-APM-01: Minimize disturbance to water resources	This mitigation measure will be implemented during construction. Grading plans were submitted on September 2, 2010 and demonstrate how disturbance to water resources will be minimized.
WQ-APM-02: Avoid sensitive water features	<p>A memo was submitted to the CPUC and Aspen documenting compliance with Mitigation Measure WQ-APM-2, Task 1, on August 30, 2010.</p> <p>Impacts to jurisdictional features were considered during design of the project and have been avoided, to the extent feasible. The locations of the structures are shown in the Project Modification Report Map Book, which was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum dated September 22, 2010.</p>
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.
WQ-APM-04: Use existing bridges to cross major streams	This mitigation measure will be fulfilled during construction.
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 locations of the structures are shown in the PMR Mapbook, which was submitted to the CPUC on May 14, 2010 and approved by CPUC and BLM through a Determination Memorandum dated September 22, 2010.
WQ-APM-04: Prepare and implement erosion control BMPs per the SWPPP	The SWPPPs and NPDES permits associated with the following WDID #s 937C358169 and 937C358216 were 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 hydrologic impacts.

Mitigation Measure and APM	Status
WQ-APM-04: Select upland pull sites to minimize disturbance to water resources	A memo was submitted to the CPUC documenting compliance with Mitigation Measure WQ-APM-4, Task 5, on August 30, 2010. Impacts to surface water, riparian areas, wetlands, and floodplains were considered during design of the project and have been avoided to the extent feasible. The locations of the pull sites are shown in the Project Modification Report Map Book, which was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum on September 22, 2010.
WQ-APM-04: Do not place structures in streambeds or drainage channels	A memo was submitted to the CPUC documenting compliance with Mitigation Measure WQ-APM-4, Task 6, on August 30, 2010. Impacts to surface water, riparian areas, wetlands, and floodplains were considered during design of the project and have been avoided to the extent feasible. The locations of the pull sites are shown in the Project Modification Report Map Book, which was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum on September 22, 2010.
WQ-APM-05: Construct stream crossings and develop a mitigation and restoration plan	Stream crossings will be constructed at low flow periods. A mitigation and restoration plan has been developed as part of the HMMP and was submitted to the agencies on July 14, 2010. A revised plan was submitted on October 8, 2010 to address agency comments.
WQ-APM-06: Avoid designated surface water protection areas	The final project alignment is in the vicinity of the following source water; Lake Morena, Barrett Lake, El Capitan Reservoir, and San Vicente Reservoir. All these source waters will be avoided. The nearest source water to a project facility is the El Capitan Reservoir (Link 5). Structure CP72-2 (PMR mapbook page MS-119) is within 350 feet of the reservoir. The pullsite adjacent to the structure is approximately 100 feet from the reservoir. The next nearest source water to a project facility is the San Vicente Reservoir (Link 5), which is approximately 1650 feet from structure CP39 (PMR mapbook page MS-132). All other source waters are at least 1 mile from a project facility.
WQ-APM-06: No diversions, detention, retention, or consumption of surface waters	This mitigation measure will be fulfilled during construction.
WQ-APM-06: Conduct interviews with affected landowners prior to construction	Groundwater supplies will not be used during project construction; therefore this mitigation measure is not applicable.
WQ-APM-06: Negotiate with landowners to provide alternative water supplies	Groundwater supplies will not be used during project 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 and dewatering is not anticipated during construction. If it is later determined that dewatering is necessary, SDG&E will implement measure as defined.
WQ-APM-09: Storing fuels and hazardous materials prohibited near wells	This mitigation measure will be fulfilled during construction.
WQ-APM-10: Minimize stream bank erosion	See H-06a
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 SWPPPs and NPDES permits associated with the following WDID #s 937C358169 and 937C358216 were 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 hydrologic impacts.

Mitigation Measure and APM	Status
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)
WQ-APM-15: Use existing roads or cross-country access routes	This mitigation measure will be fulfilled during construction.
WQ-APM-15: Clearly mark approved construction traffic routes	This mitigation measure will be fulfilled during construction.
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	SDG&E has located staging/storage areas for equipment and materials 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 Report titled, "Geotechnical and Geologic Hazards Investigation Report" dated October 16, 2009 was submitted to CPUC for review and approval on April 19, 2010. The final project design is based on the findings of this report. CPUC issued a memorandum on June 18, 2010 confirming that this report satisfies the requirements of this mitigation measure.
G-04a: Submit site-specific seismic analyses 60 days prior to final project design	A Geotechnical Report titled, "Geotechnical and Geologic Hazards Investigation Report" dated October 16, 2009 was submitted to CPUC for review and approval on April 19, 2010. An explanation of structure design based on windloading instead of seismic loading is included in the Executive Summary. The final project design is based on the findings of this report. CPUC's geotechnical consultant issued a memorandum on June 18, 2010 confirming that this report satisfies the requirements of this mitigation measure.
G-04b: Submit liquefaction studies 60 days prior to final project design	A Geotechnical Report titled, "Geotechnical and Geologic Hazards Investigation Report" dated October 16, 2009 was submitted to CPUC for review and approval on April 19, 2010. The final project design is based on the findings of this report. SDG&E will conduct additional geotechnical exploration, including borings. SDG&E will provide a supplemental report prior to installation of structures.
G-06a: Submit slope stability analyses 60 days prior to construction	A report titled, "Geotechnical and Geologic Hazards Investigation Report" dated October 16, 2009 was submitted to CPUC for review and approval on April 19, 2010. A report titled "Geotechnical Evaluation, Access Roads and Structure Pads" dated October 16, 2009 was submitted to CPUC for review and approval on May 28, 2010. These reports included slope stability analyses as described in this measure. The final project design is based on the findings of these reports. As required by the CPUC memo dated June 18, 2010, additional investigations will occur in areas along Segment 8A of Link 2 during construction.
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 implemented during 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	See G-6a

Mitigation Measure and APM	Status
GEO-APM-05: Implement construction to avoid or minimize new soil disturbance	Final Grading and Plan and Profiles were submitted to the CPUC on September 2, 2010. 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	Erosion control will be implemented under Project site specific SWPPPs and shall include areas where re-contouring and substantial ground disturbance will be required. This mitigation measure will be fulfilled during construction.
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	This mitigation measure will be fulfilled during construction.
GEO-APM-09: Consult with agencies if paleontological resources cannot be avoided	This mitigation measure will be fulfilled during construction.
PSU-APM-01: Coordinate with utility providers	There are no third party utilities that will be affected by the project; therefore, this mitigation measure is not applicable. A memo was submitted to the CPUC documenting compliance with Mitigation Measure PSU-APM-1 on October 14, 2010 and approved November 5, 2010.
PSU-APM-02: Notify USA 48 hours prior to earth-disturbing activities	This mitigation measure will be implemented during construction.
PSU-APM-03: Minimize disruption to response times and access for emergency and police services	This mitigation measure will be implemented 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. SDG&E will obtain a variance for the use of reclaimed water outside of the Padre Dam and City of San Diego jurisdictions. Potable water will be used until the variance is obtained. Copies of variances will be submitted to the CPUC prior to use of reclaimed 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.
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.
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	This mitigation measure is partially fulfilled through the Traffic Impact Study/Control Plan, which is specific for each site. Individual traffic plans will be developed by the contractor and are site specific.
F-01c: Coordinate fire suppression activities and unobstruct access roads at all times	This measure will be implemented during construction.

Mitigation Measure and APM	Status
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	This measure will be implemented during construction.
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	SDG&E has incorporated non-specular steel poles into the project design in compliance with this mitigation measure. SDG&E provided the CPUC with final construction drawings for reference on July

Attachment A: Preconstruction Status Report

Tuesday, November 09, 2010

12:13:39 PM

Report Criteria:

AGENCY: CPUC

LOCATION: Link 5

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 5

Note: This table contains U.S. Fish and Wildlife Service Conservation Measures in addition to the mitigation measures and applicant proposed mitigation measures from the Final EIR/EIS. These conservation measures are denoted in the table as G-CM-# or SS-G-#.

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 Project will impact sensitive vegetation communities on lands already in use as mitigation. A draft Habitat Acquisition Plan, which discusses doubled mitigation ratios on lands already in mitigation, was submitted for review and approval on February 4, 2010.
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	SDG&E submitted a memo to CPUC for the administrative record on October 26, 2010 to document coordination of access road gate installation prior to construction.
B-01a: Submit documentation of coordination 30 days prior to construction	SDG&E submitted a memo to CPUC for the administrative record on October 26, 2010 to document coordination of access road gate installation prior to construction.
B-01a: Post signs on access road gates prohibiting unauthorized users	This mitigation measure will be fulfilled during construction.
B-01a: Provide funding for off-road vehicle patrols	SDG&E has coordinated with land managers regarding unauthorized use of access roads by off-road vehicle enthusiasts, including funding of off-road vehicle patrols and gate installation. A memo was submitted to CPUC for the administrative record on October 26, 2010 documenting coordination.
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 and a revised plan incorporating comments was resubmitted on October 25, 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.
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.

Mitigation Measure and APM	Status
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 accepted by the Army Corps of Engineers on August 27, 2010.
B-02a: Mitigate impacted areas as required by wetland permitting	Where avoidance of jurisdictional areas is not feasible, SDG&E shall provide the necessary mitigation required as part of wetland permitting as outlined in this measure. SDG&E submitted a HMMP on July 14, 2010 and a revision to the HMMP on October 7, 2010. The HMMP has been accepted by the ACOE, CDFG and SWRCB in concept, the agencies have asked that the report be reformatted to break out each mitigation property separately.
B-02a: Prepare jurisdictional delineation and impact assessment	The entire 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. Final Grading Plans and Plan and Profiles has been submitted to the CPUC on September 2, 2010.
B-02a: Mitigate for jurisdictional wetland habitat	Where avoidance of jurisdictional areas is not feasible, SDG&E shall provide the necessary mitigation required as part of wetland permitting as outlined in this measure. SDG&E submitted a HMMP on July 14, 2010 and a revision to the HMMP on October 7, 2010. The HMMP has been accepted by the ACOE, CDFG and SWRCB in concept, the agencies have asked that the report be reformatted to break out each mitigation property separately.
B-02a: Obtain wetland permits prior to construction	A revised wetland permit application was submitted for review and approval on March 30, 2010.
B-02a: Delineate all limits of construction	The April 30, 2010 Mapbook submitted on May 14, 2010 and approved through a Determination Memorandum on September 22, 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	This mitigation measure will be fulfilled during construction.
B-02a: Mitigate impacts from unauthorized activity	This mitigation measure will be fulfilled during construction.
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.

Mitigation Measure and APM	Status
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 by the BLM and CPUC 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	The Weed Control Plan addresses surveying for invasive exotic species during construction and annually following construction to monitor previously-identified and treated populations and to identify new invasive weed populations for the life of the Project. Treatment of weeds will occur on a minimum annual basis unless otherwise approved by the PCA, San Diego County Agricultural Commissioner, and Cal-IPC. 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	This mitigation measure will be fulfilled during/post construction.
B-03a: Submit monthly wash logs during construction and annual logs during operation/maintenance	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. The 2010 survey report will be provided to the agencies prior to construction.
B-05a: Stake or flag special status plant populations	Special status plant populations will be staked or flagged by a qualified biologist.
B-05a: Avoid impacts to federal and state listed plant species	Where feasible, impacts to federal or State listed species shall be avoided. The Project Modification Report Mapbook submitted on May 14, 2010, shows both sensitive resources and the locations of areas that may be disturbed. Where not feasible, SDG&E will not impact federal or State listed species until compensation occurs as outlined in this mitigation measure.
B-05a: Submit a Restoration Plan for federal and state listed plants	SDG&E has submitted a Restoration Plan for Sensitive Vegetation Communities for Temporary Impacts to the agencies for review on September 24, 2010. SDG&E will not impact rare plants until a restoration plan is agreed upon with the appropriate agencies.
B-05a: Avoid impacts to moderately sensitive plant species	Where feasible, impacts to moderately sensitive plants shall be avoided. The Project Modification Report Mapbook submitted on May 14, 2010, shows the locations of areas that may be disturbed. Where avoidance is not feasible, SDG&E will not impact moderately sensitive plant species until compensation occurs as outlined in this mitigation measure.
B-05a: Submit a Restoration Plan for special status plant species	A qualified Habitat Restoration Specialist will develop a restoration plan. The plan shall be prepared and implemented as outlined in this mitigation measure.
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 or fencing will be installed to prevent the entrapment of wildlife during construction. Ramping may also be installed at excavations to allow wildlife to escape. 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: Conduct grading or brushing outside of breeding season September 16-March 14	The Riparian Birds Survey Report 2009 was submitted to CPUC for review on January 14, 2010 and was approved by CPUC on August 26, 2010. The 2010 survey report was submitted on October 28, 2010. This measure will be implemented during construction.
B-07e: Survey within 10 days prior to initiating work in area	The Riparian Bird Survey Report for 2009 which was submitted to CPUC for review on January 10, 2010, documented least Bell's vireo were observed near mileposts 99 along Link 5. Least Bell's vireo were observed east of the ROW and existing access road near milepost 99 (page MS-117). In 2010, least Bell's vireo were observed near the El Monte access road (page MS-120). No construction impacts are expected in either of these areas. Preconstruction surveys will be conducted as required by this mitigation measure.
B-07e: Survey once per week if species present	This mitigation measure will be fulfilled during construction.
B-07e: Establish 300-foot buffer if active nest found	This mitigation measure will be fulfilled during construction.
B-07e: Monitor noise if construction occurs within buffer	This mitigation measure will be fulfilled during construction.
B-07e: Provide mitigation for temporary and permanent impacts	A draft Habitat Acquisition Plan was submitted to the CPUC for review and approval on February 4, 2010. The Habitat Acquisition Plan discusses mitigation for impacts to least Bell's vireo occupied habitat, although no permanent impacts are expected to occur to occupied or critical habitat on Link 5.
B-07e: Submit a Habitat Management Plan	The Riparian Birds Survey Report 2009 was submitted to CPUC for review on January 14, 2010. The 2010 Riparian Bird Survey Report was submitted to CPUC on October 28, 2010. A draft Habitat Management Plan was submitted to the CPUC on September 22, 2010.
B-07h: No activities within 4,000 ft. of eagle nest during breeding season	Data was obtained from the USFS and BLM regarding potential eagle nest locations for 2009. 2010 surveys were performed by SDG&E. To date, golden eagle nests have only been observed on Link 5. This measure will be implemented during and post construction.
B-07i: Determine suitable habitat areas of QCB	Per USFWS QCB protocol, site assessments for suitable QCB habitat were conducted in 2009 and 2010 by USFWS permitted biologists. The site assessments identified areas requiring protocol surveys. QCB protocol 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.
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	Per USFWS QCB protocol, site assessments for suitable QCB habitat were conducted in 2009 and 2010 by USFWS permitted biologists. The site assessments identified areas requiring protocol surveys. QCB protocol 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. Survey results indicate QCB were found near mileposts 110 and 116 on Link 5. All QCB surveys have been conclusive for the project.
B-07i: Submit a Habitat Management Plan	Survey results indicate QCB were found near mileposts 110 and 116 on Link 5. A draft Habitat Management Plan has been submitted to the agencies for approval on September 22, 2010.
B-07j: Conduct pre-construction protocol survey	USFWS protocol-level arroyo toad (ARTO) surveys were conducted in 2009 and 2010. The 2009 ARTO Survey Report was submitted to the CPUC on 10/2/2009 and re-submitted to CPUC on 01/14/2010 to address their comments. On 8/26/2010, the CPUC advised that their comments were not fully addressed in the 01/14/2010 re-submittal; however, on 09/02/2010 the CPUC advised that these comments could be addressed in the upcoming 2010 ARTO Survey Report. The 2010 ARTO Survey Report will be available late October 2010. Based on the 2010 survey results, no ARTO have been observed on Link 5.

Mitigation Measure and APM	Status
B-07j: Remove toad riparian breeding habitat October-December	This mitigation measure will be fulfilled during construction.
B-07j: Install exclusion fencing if toad is present and monitor daily during construction	If arroyo toads are present, or assumed to be present, exclusion fencing will be installed as outlined in this measure. Exclusion fencing will be monitored during construction and observations will be summarized and submitted to the CPUC in the weekly report.
B-07j: Conduct pre- and post-exclusion fencing surveys	Clearance surveys shall occur as outlined in this measure.
B-07j: Conduct daily surveys in the morning prior to work activities	This measure will be implemented during and post construction.
B-07j: Mitigate for the loss of occupied habitat	Loss of arroyo toad-occupied habitat shall be mitigated as outlined in this measure.
B-07j: Submit a Habitat Management Plan	A Habitat Management Plan was submitted to the appropriate agencies for review and approval on September 22, 2010.
B-07l: Conduct brushing or grading in occupied habitat outside breeding season February 15-August 30	This mitigation measure will be fulfilled during construction.
B-07l: Conduct survey within 10 days of initiating other activities in area and submit to agencies	Nesting surveys for coastal California gnatcatcher will be conducted by a qualified biologist within 10 days of construction. Results of the surveys will be submitted to Wildlife Agencies for review and approval.
B-07l: Establish 300-foot buffer if active nest found	This mitigation measure will be fulfilled during construction.
B-07l: Mitigate the loss of occupied habitat and unoccupied designated critical habitat	The Habitat Acquisition Plan discusses mitigation for impacted habitat. A draft Habitat Acquisition Plan was submitted to the CPUC for review and approval on February 4, 2010.
B-07l: Submit a Habitat Management Plan	A Habitat Management Plan has been submitted to the appropriate agencies for review and approval on September 22, 2010.
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.

Mitigation Measure and APM	Status
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.
B-10a: Install transmission lines using Avian Power Line Interaction Committee standards	SDG&E shall install transmission lines as outlined in this mitigation measure. Where diverters/markers have been installed, a study will be funded as outlined in this measure.
BIO-APM-01: Submit protocol surveys for sensitive plant and wildlife	On-the-ground protocol surveys have been conducted for sensitive plant and animal species as appropriate along the entire alignment. SDG&E has submitted survey reports for the 2009 survey season. All 2010 surveys are complete and SDG&E is in the process of providing 2010 survey reports. The 2010 Riparian Bird Survey Report was submitted to the agencies on October 28, 2010. The following reports will be submitted as soon as they are complete; The 2010 Arroyo Toad Survey, the 2010 Quino Checkerspot Butterfly Survey, the 2010 Coastal California Gnatcatcher Survey, and the 2010 Rare Plant Survey.
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 paved and unpaved access roads when feasible.
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	Final Grading Plans and Plan and Profiles has been submitted to the CPUC on September 2, 2010. Project and survey activities will be confined to areas noted in final engineering drawings.
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.

Mitigation Measure and APM	Status
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	To the extent possible, access roads shall be constructed as outlined in this mitigation measure.
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 March 30, 2010. Culverts will be installed as necessary.
BIO-APM-05: Minimize disturbance from construction and maintenance activities	This mitigation measure will be fulfilled during construction.
BIO-APM-06: Comply with all applicable environmental laws and regulations	This mitigation measure will be fulfilled during construction.
BIO-APM-07: Littering is not allowed	Littering will be prohibited on this 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.
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 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 entered into SDG&E's mitigation measure tracking system and Sempra's system-wide mapping 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	This mitigation measure will be fulfilled during and post construction.
BIO-APM-18: Design structures and access roads to minimize impacts to sensitive features	A memo was submitted to the CPUC documenting compliance with Mitigation Measure BIO-APM-18, Task 1, on September 1, 2010. The project structures and work areas were designed to avoid sensitive features, to the extent feasible.
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.

Mitigation Measure and APM	Status
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. SDG&E has designed structures in conformance with "Suggested Practices for Raptor Protection on Power Lines."
BIO-APM-22: Salvaging may include removal and stockpiling for replanting	This mitigation measure will be fulfilled during construction.
BIO-APM-23: Remove only minimum amount of vegetation necessary for construction	This mitigation measure will be fulfilled during construction.
BIO-APM-23: Conserve topsoil in areas of sensitive habitat	This mitigation measure will be fulfilled during construction.
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	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 Project SWPPP.
G-CM-03: Obtain NPDES permit and implement a SWPPP.	See WQ-APM-14
G-CM-04: Training to implement conservation measures.	See BIO-APM-2

Mitigation Measure and APM	Status
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.	Final Grading Plans and Plan and Profiles has been submitted to the CPUC on September 2, 2010. Project and survey activities will be confined to areas noted in final dimensioned engineering drawings.
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
G-CM-10: Emergency repairs will follows 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 documenting compliance with Mitigation Measure BIO-APM-18, Task 1, on September 1, 2010. The project structures and work areas were designed to avoid sensitive features, to the extent feasible
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 extend 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

Mitigation Measure and APM	Status
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.	See B-3a
G-CM-20: Contents of the Weed Control Plan.	See B-3a
G-CM-23: Use appropriately sized equipment.	This mitigation measure will be implemented during construction.
G-CM-24: Develop a Dust Control Plan.	A Dust Control Plan was approved by the CPUC on January 20, 2010. Dust Control Plan measures will be implemented during project construction. (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.	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

Mitigation Measure and APM	Status
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 Project site specific SWPPPs designate where fueling is permitted to occur. Unless otherwise indicated in the SWPPP's, all other areas are considered "No-Fueling Zones".
G-CM-42: Maintain riparian buffer construction/staging areas and riparian areas.	This mitigation measure will be implemented during construction.
G-CM-44: Determine project limits for temporary and permanent disturbance to occur during maintenance activities.	Final Grading Plans and Plan and Profiles has been submitted to the CPUC on September 2, 2010. Project and survey activities will be confined to areas noted in final engineering drawings. The preconstruction component of this measure is complete. Additional requirements will be implemented during construction.
G-CM-45: Purchase/dedicate suitable habitat for preservation.	See B-1a
SS-CM-01: Avoid Impacts to Thornmint	Focused surveys for San Diego thornmint were conducted in 2009 and 2010. San Diego thornmint was observed between MP 114 and 119 on Link 5. All San Diego thornmint will be fenced immediately prior to construction.
SS-CM-01: Implement Weed Control Plan (G-CM-20).	Focused surveys for San Diego thornmint were conducted in 2009 and 2010. San Diego thornmint was observed between MP 114 and 119 on Link 5. All protection measures required in the Weed Control Plan will be implemented during construction.
SS-CM-02: Compensation of unavoidable impacts.	Focused surveys for San Diego thornmint were conducted in 2009 and 2010. San Diego thornmint was observed between MP 114 and 119 on Link 5. All San Diego thornmint will be fenced immediately prior to construction.
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.	Restoration of QCB habitat is not anticipated to be necessary; however, if, during construction, restoration of impacted habitat is needed, SDG&E will follow the Recovery Plan (Service 2003a) for QCB as required by this measure.
SS-CM-06: Quino habitat within the Jacumba Unit.	This mitigation measure is not applicable to Link 5. This mitigation measure addresses only the Jacumba Unit of QCB which only occurs on Link 1.
SS-CM-07: Construction during Quino flight season.	This measure will be implemented during construction.
SS-CM-08: Pre-construction Service protocol survey within suitable breeding habitat.	See B-7j

Mitigation Measure and APM	Status
SS-CM-09: Develop arroyo toad translocation monitoring program prior to initiating construction.	SDG&E has developed and received approval from the USFWS on November 3, 2010 of the Arroyo Toad Translocation Monitoring Program.
SS-CM-10: Develop and implement predator control program in USFS lands.	SDG&E is in the process of developing an arroyo toad predator control program. This will be coordinated with the USFWS, USFS, and BLM and will be implemented during construction
SS-CM-11: Requirements for arroyo toad-occupied habitat loss.	The Habitat Acquisition Plan discusses mitigation for impacted habitat. A draft Habitat Acquisition Plan was submitted to the CPUC for review and approval on February 4, 2010.
SS-CM-12: Daylight use of access roads to avoid/minimize impacts to arroyo toads.	This measure will be implemented during construction.
SS-CM-13: No construction activities during arroyo toad breeding season.	This measure will be implemented during construction.
SS-CM-15: Do not locate improvements within arroyo toad upland aestivation and riparian breeding habitat.	Arroyo toad habitat does not occur within the fenced boundaries of the Imperial Valley Substation; therefore, this mitigation measure is not applicable.
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-2a
SS-CM-18: Develop and implement brown-headed cowbird trapping program for USFS lands.	SDG&E is in the process of developing a cowbird trapping program. This will be coordinated with the USFS and USFWS, and will be implemented during construction on USFS lands.
SS-CM-19: Conduct brushing or grading activities within occupied gnatcatcher habitat outside of the breeding season.	See B-7f
SS-CM-19: Monitor all vegetation clearing activities.	See B-7f
SS-CM-19: Conduct presence/absence survey 10 days prior to initiating construction activities. Conduct nest survey, as appropriate.	See B-7f
SS-CM-19: Establish no-construction barrier around active nests.	See B-7f
SS-CM-20: Compensate for loss of occupied gnatcatcher habitat.	The Habitat Acquisition Plan discusses mitigation for impacted habitat. A draft Habitat Acquisition Plan was submitted to the CPUC for review and approval on February 4, 2010.
SS-CM-21: Compensate for loss of unoccupied gnatcatcher habitat.	The Habitat Acquisition Plan discusses mitigation for impacted habitat. A draft Habitat Acquisition Plan was submitted to the CPUC for review and approval on February 4, 2010.
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 5; therefore this mitigation measure is not applicable. (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 5; therefore this mitigation measure is not applicable. (See B-7c)
SS-CM-24: Big Horn Sheep Monitoring Plan.	There is no Peninsular Big Horn Sheep (PBHS) habitat on Link 5; therefore this mitigation measure is not applicable. (See B-7c)

Mitigation Measure and APM	Status
SS-CM-24: Helicopter flight paths over occupied habitat.	There is no Peninsular Big Horn Sheep (PBHS) habitat affected by construction of Link 5; therefore this mitigation measure is not applicable. (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 5; therefore this mitigation measure is not applicable. (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 5; therefore this mitigation measure is not applicable. (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 5; therefore this mitigation measure is not applicable. (See B-7c)
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 5; therefore this mitigation measure is not applicable. (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 5; therefore this mitigation measure is not applicable. (See B-7c)
V-01a: Screen construction sites if visible from public areas	The pre-construction component of this measure has been completed. Location of staging, material and equipment storage areas and helicopter fly yards are shown in the Project Modification Report and the Construction Yard Visual Screening Plan. These areas will be visually screened with temporary screening fencing as outlined in the Construction Yard Visual Screening Plan submitted to the CPUC, City of San Diego, BLM and USFS on August 4, 2010 and to Helix Water District on August 19, 2010. The Construction Yard Visual Screening Plan was approved by the CPUC on October 19, 2010.
V-01a: Submit final construction plans 60 days prior to construction	Final construction grading plans and Plan and Profile drawings were submitted to the CPUC, BLM, USFS, County of San Diego and Helix Water District on September 2, 2010.
V-01b: Design and install lighting to avoid night lighting impacts	SDG&E submitted a Construction Lighting and Mitigation Plan as outlined in this mitigation. Comments were received from the agencies and incorporated into a final plan that was submitted October 19, 2010. The measures in this plan will be implemented during construction.
V-01b: Submit a Construction Lighting Mitigation Plan 90 days prior to construction	SDG&E submitted a Construction Lighting and Mitigation Plan as outlined in this mitigation. Comments were received from the agencies and incorporated into a final plan that was submitted October 19, 2010.
V-02a: Construct access and spur roads at appropriate angles	Construction of access or spur roads shall occur as outlined in this measure.
V-02a: Consult with visual resources specialist to evaluate access road visibility prior to final design	A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved on September 22, 2010. The final design of access roads was based on coordination with several visual resource specialists.
V-02a: Submit table 60 days prior to construction	SDG&E has submitted a Tower Color Review table in coordination with the CPUC and USFS visual resource specialists. SDG&E will submit the final table once available.
V-02a: Submit final construction plans 60 days prior to construction	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment and incorporates a redesign of the access roads based on coordination with several visual resources specialists. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved on September 22, 2010. Final Grading Plan and Profiles were submitted to the CPUC on September 2, 2010.
V-02b: Create barriers for public access if opened as a construction route	This mitigation measure will be fulfilled during construction.
V-02b: Submit final construction and restoration plans 60 days prior to construction	The April 30, 2010 Mapbook and Project Modification Report (PMR) submitted to the CPUC on May 14, 2010 illustrates changes to the final design that would reduce visual contrast from unnatural vegetation lines. SDG&E is working with the CPUC's visual resource specialist to finalize restoration plans in compliance with this measure.
V-02c: Treat disturbed soils visible from sensitive public viewing locations	SDG&E submitted a Restoration Plan for Sensitive Vegetation Communities in Temporary Impact Areas on September 24, 2010. During construction, SDG&E will consult with the Authorized Officer regarding the site-by-site use of Eonite.

Mitigation Measure and APM	Status
V-02c: Submit final construction and restoration plans 60 days prior to construction	SDG&E has submitted Final Grading Plans and Plan and Profile drawings on September 2, 2010 for the overhead portion of the project. A Restoration Plan for Temporary Impacts to Sensitive Vegetation Communities was submitted on September 24, 2010.
V-02d: Consult regarding helicopter construction techniques	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment and incorporates a redesign of the alignment based on coordination with appropriate land management agency officials and/or authorized officers 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. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by CPUC and BLM through a Determination Memorandum dated September 22, 2010.
V-02d: Conduct Agency Consultations 120 days prior to construction	SDG&E has coordinated with the appropriate agencies and received approvals 120 days prior to construction. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment and incorporates a redesign of the alignment based on this coordination. Seventy-five percent of the structures on USFS land will be constructed by helicopter. The Project Modification Report and Mapbook were submitted to the CPUC on May 14, 2010 and approved by the CPUC and BLM through a Determination Memorandum dated September 22, 2010.
V-02f: Limit vegetation clearing	This measure will be implemented during construction.
V-02f: Incorporate mitigation to reduce total visual impact	SDG&E is preparing a Scenery Conservation Plan that will discuss mitigation to reduce the total visual impact of vegetation clearing. The Scenery Conservation Plan will be submitted for review and approval prior to construction.
V-02f: Submit Scenery Conservation Plan at least 120 days prior to construction	SDG&E is preparing a Scenery Conservation Plan, which will be submitted for review to the CPUC and USFS in December 2010. The Scenery Conservation plan only applies to USFS lands.
V-03a: Conductors shall be non-specular	SDG&E submitted a memorandum to the CPUC on September 30, 2010 demonstrating that SDG&E has ordered non-specular conductor in order to reduce conductor visibility and visual contrast of conductors and towers in compliance with this measure.
V-03a: Consult with a visual resources specialist to evaluate new access roads	The final design of the alignment incorporates a redesign and elimination of access roads based on coordination with several visual resources specialists including representatives from the USFS. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved on September 22, 2010.
V-03a: Submit a table 60 days prior to construction	SDG&E has submitted a draft Tower Color Review table in coordination with the CPUC visual resource specialist on March 17, 2010 to the CPUC. SDG&E will submit the final table once available.
V-68a:: Eliminate skylining of ridgeline towers and conductors	The Project Modification Report discusses changes in PMR34 and PMR35 regarding skylining of towers. The modifications allowed for the reduction in the number of towers, but did increase the elevation of other towers; these changes were approved through the Determination Memorandum dated September 22, 2010.
V-68a:: Submit final construction plans 120 days prior to construction	A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by BLM and CPUC through a Determination Memorandum on September 22, 2010 .
VR-APM-01: Place structures at maximum distance from crossings	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment to reduce visual impacts at highway, canyon, and trail crossings. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved September 22, 2010.
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	SDG&E did not locate structures directly in front of residences or in direct line-of-sight from residences, where possible. SDG&E consulted with affected property owners on the proposed structure locations to reduce land use and visual impacts. SDG&E has coordinated with affected landowners in accordance with MM L-2b.
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 for site specific areas of the Project.

Mitigation Measure and APM	Status
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 for site specific areas of the Project.
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 for site specific areas of the Project.
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-01c: Provide project engineering details to MCAS Miramar 90 days prior to construction	SDG&E and Miramar had a coordination meeting on March 5, 2010. A copy of the minutes from that meeting were submitted to the CPUC on May 19, 2010. During that meeting SDG&E provided engineering details to MCAS Miramar for review and approval. No work will occur on MCAS until authoriation has been received from MCAS. THIS MEASURE IS APPLICABLE TO MCAS MANAGED LANDS ON LINK 5 ONLY. CONSTRUCTION ON MCAS MANAGED LANDS WILL NOT COMMENCE UNTIL AN AUTHORIZATION TO PROCEED HAS BEEN RECEIVED FROM MCAS.
L-01c: Provide evidence of coordination 60 days prior to construction	SDG&E and Miramar had a coordination meeting on March 5, 2010. A copy of the minutes from that meeting were submitted to the CPUC on May 19, 2010. SDG&E is continuing to meet with Miramar and will provide CPUC and BLM with documentation of this coordination.
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.
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, but 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 and approved by BLM and CPUC through a Determination Memorandum dated September 22, 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 alignment along Highway 67 was shifted as shown on map page MS-134 and is located further away from the preserve as shown in the PMR that was approved September
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	SDG&E placed new structures more than 330 feet from existing residences to the extent feasible. Only two structures are closer than 330 feet to a residence and were not able to be moved. These structures include CP-7 (located on Link 5) and EP-228 (located on Link 1).

Mitigation Measure and APM	Status
LU-APM-03: Compensate farmers for loss of crops	One agricultural operator has been compensated for loss of crops (oat hay). This compensation is summarized in a memo submitted to the CPUC on October 15, 2010. See mitigation measures Ag-1a and Ag-1c.
LU-APM-03: Avoid planting, growing, and harvesting seasons	This measure will be implemented during construction.
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 on Link 5; 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 will pay just compensation to the property owners through contractual agreements with each landowner. SDG&E submitted a memo to CPUC on October 5, 2010 documenting landowner notification and consultation. The final alignment is shown on the PMR Mapbook approved September 2010.
LU-APM-08: Coordinate to include Project in General Plans	SDG&E has continued coordination efforts with Imperial and San Diego counties in an effort to assure the Project is included in the General Plan Updates for the respective counties.
LU-APM-09: Obtain ministerial land use permits	SDG&E will obtain all necessary and/or appropriate ministerial land use permits.
LU-APM-10: Match structure locations with existing transmission facilities	A memo was submitted to the CPUC for the administrative record documenting compliance with Mitigation Measure LU-APM-10, Task 1, on September 1, 2010.
R-APM-02a: Provide advance notice if restrictions in access routes to recreational use areas	This mitigation measure will be implemented during construction.
R-APM-02b: No construction on federal holidays that affects trail use	This measure will be implemented during construction.
R-APM-02c: Coordinate construction activities affecting parkland and trails prior to construction	SDG&E has coordinated with the appropriate land management agencies, as required. During construction, advance notice of restrictions to recreational use areas will be provided to the agencies.
R-APM-02d: Post signs at alternative park access and parking	This measure will be implemented during construction.
R-APM-02e: Post signs at alternative trails and bikeways	This measure will be implemented during construction.
R-APM-02f: Post signs at equestrian trails during helicopter construction	This measure will be implemented during construction.
R-APM-02f: Regularly check and maintain signs	This measure will be implemented during construction.
WR-01a: Coordinate construction activities and schedule 60 days prior to construction	SDG&E has been coordinating with the County of San Diego to identify recreational areas that may be impacted by the project and will schedule construction to avoid temporary preclusion of recreational area use. SDG&E will continue its coordination with the County of San Diego and other jurisdictional agencies during construction.
WR-01a: Submit documentation of coordination 30 days prior to construction	SDG&E submitted a memorandum to the CPUC for the administrative record on November 5, 2010 documenting its coordination efforts related to recreational areas and trails. SDG&E has coordinated with the USFS, BLM and County of San Diego regarding recreational areas and trails.

Mitigation Measure and APM	Status
WR-01b: Coordinate temporary detours of trails 60 days prior to construction	SDG&E began coordination efforts with the Trails Coordinator for San Diego County on June 21, 2010. Coordinating with the County 60-days prior to construction has been fulfilled. Coordination efforts are on-going and will continue throughout the preconstruction and construction phases of the project. A memo documenting coordination efforts was submitted to the CPUC for the administrative record on November 5, 2010.
WR-01b: Site new trail segments to avoid sensitive resources and restore to pre-construction conditions	This measure will be implemented during construction.
WR-01b: Post public notices at trail detours	This measure will be implemented during construction.
WR-01b: Submit documentation of coordination 30 days prior to construction	See Wr-1a
WR-01c: Coordinate alternative recreation facilities 60 days prior to construction	SDG&E has made considerable effort to work with local agencies to identify alternative recreational areas that may be used by the public in lieu of affected parks during construction. SDG&E has submitted documentation of this coordination to the CPUC for the administrative record on November 5, 2010.
WR-01c: Post public notices at recreation facilities	This measure will be implemented during construction.
WR-01c: Submit documentation of coordination 30 days prior to construction	SDG&E has made considerable effort to work with local agencies to identify alternative recreational areas that may be used by the public in lieu of affected parks during construction. SDG&E has submitted documentation of this coordination to the CPUC for the administrative record on November 5, 2010.
WR-02a: Relocate 500kV line along southern boundary of JAM properties	The JAM property is not located on Link 5.
WR-02a: Submit memo and construction plans 120 days prior to construction	The BCD Alternative does not occur on Link 5.
WR-03a: Coordinate to determine locations of tower sites and spur roads	SDG&E has made considerable effort to limit access roads and tower locations within recreational areas in coordination with the BLM, USFS, City of San Diego, and County of San Diego. No access roads are located on trails (e.g. PCT, Trans-County Trail, etc.). The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment to avoid recreational areas as much as feasible. The Project Modification Report and Mapbook were approved in a Determination Memorandum from the CPUC on September 22, 2010. Mitigation of impacts have been calculated in the Habitat Acquisition Plan and Habitat Management Plan submitted to the agencies on September 22, 2010.
WR-03a: Coordinate 60 days prior to construction and submit documentation 30 days prior to construction	SDG&E has made considerable effort to work with local agencies to identify alternative recreational areas that may be used by the public in lieu of affected parks during construction. SDG&E has submitted documentation of this coordination to the CPUC for the administrative record on November 5, 2010.
AG-01a: Coordinate with property owners and tenants 60 days prior to construction	SDG&E has coordinated with agricultural property owners and tenants in order to ensure avoidance or minimization of interference with agricultural operations. SDG&E has coordinated with the Hartung property owners regarding impacts to oat hay production. The property owner has provide SDG&E with their requirements, these requirements have been incorporated into the official Right of Entry document. A memorandum summarizing this coordination was submitted to CPUC on October 15, 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 September 14, 2010 SDG&E coordinated with Hartung property representatives regarding reconfiguration of fencing to accommodate grazing operations and minimize impacts to cattle.
AG-03b: Consult and notify 60 days prior to erection of any structure affecting aerial applicator operations	SDG&E sent notification letters to aerial applicators operating in San Diego and Imperial Counties on July 6, 2010. Copies of these notifications were sent to the CPUC, BLM and County Farm Bureaus on July 13, 2010. The notification advised when and where the new transmission line and towers will be erected and included aerial maps depicting the proposed project route and agricultural lands near the route.

Mitigation Measure and APM	Status
AG-03b: Provide maps of the alignment on or near agricultural lands	SDG&E sent notification letters to aerial applicators operating in San Diego and Imperial counties on July 6, 2010. Copies of these notifications were sent to the CPUC, BLM and County Farm Bureaus on July 13, 2010. The notification advised when and where the new transmission line and towers will be erected and included aerial maps depicting the proposed project route and agricultural lands near the route.
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 selected ROW and tower locations were staked prior to the cultural resource field surveys.
C-01b: Protect potential and register-eligible resources from direct project impacts	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment to avoid impacts to potentially register-eligible and register eligible resources based on preliminary National Register of Historic Places and consultation with the BLM and CPUC. A revised Mapbook and PMR was submitted on May 14, 2010 and approved on September 22, 2010 through a determination memorandum. Efforts are on-going to determine resource eligibility and to avoid impacts to significant resources.
C-01b: Undertake additional studies if resources cannot be protected from direct impacts	Based on the Final Class III Inventory all cultural resource sites have been avoided on Link 5.
C-01b: Incorporate results of studies in HPTP	A Historic Properties Treatment Plan (HPTP) will be developed as appropriate based on the results of the eligibility evaluation of the archaeological resources identified in the Class III Survey Report. SDG&E will submit the HPTP to the BLM and CPUC for review and approval in December 2010.
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 as an ESA if within 50 feet of direct impact areas. These ESAs will be monitored by archaeological and Native American 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 the area as an ESA. These ESAs will be inspected by Cultural Monitors during construction and all damage or alteration of the ESA marking will be reported and/or repaired as appropriate.
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. The HPTP will be prepared and submitted to the BLM and CPUC upon completion of a draft.
C-01c: Submit Historic Properties Treatment Plan	The Historic Properties Treatment Plan (HPTP) is currently being prepared. SDG&E will submit the HPTP to the BLM and CPUC for review and approval in December 2010.
C-01d: Conduct data recovery investigations to reduce adverse effects	Data gathered during the eligibility evaluation phase will be summarized in the Historic Properties Treatment Plan (HPTP). Data-recovery methods, sample sizes, and recommended procedures will be detailed in the HPTP as appropriate. A data recovery report and documentation of other mitigation efforts will be prepared and submitted to the BLM and CPUC for review and approval.
C-01d: Submit field closure report prior to construction within 100 feet of affected resource	This mitigation measure will be fulfilled for those resource areas to which it applies.
C-01d: Submit final report of data-recovery investigations within 1 year of completing fieldwork	This mitigation measure will be fulfilled within one year of the completion of fieldwork.
C-01e: Implement archaeological monitoring at cultural ESAs	This mitigation measure will be fulfilled during construction. The locations of the ESAs will be provided in the HPTP.
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	The HPTP will identify areas where Native American monitors will be required and the Tribal affiliation will be defined as appropriate.

Mitigation Measure and APM	Status
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	Government-to-government consultations have been ongoing. 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. Records of consultations are being compiled by the BLM. Monitoring will partially fulfill this mitigation measure and the rest of the measure will be satisfied during construction.
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. Any discoveries will be processed in the manner described and the detailed process is presented in the HPMP and HPTP for this project.
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, statutes 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 have been ongoing. Records of consultations are being held with the BLM. This measure will be satisfied during construction.
C-02a: Divert work if human remains are discovered and inform officer	This mitigation measure will be fulfilled during construction.
C-03a: Implement archaeological monitoring	A monitoring process was incorporated into the Historic Properties Management Plan and is summarized in the HPTP. All necessary monitoring will be reported as part of the weekly submittal process during construction.
C-03a: Divert work if buried cultural material discovered and notify archaeologist	This mitigation measure will be fulfilled during construction. There is a detailed Discovery Plan in the approved HPMP for the project.
C-04a: Assist and support BLM in consultations with Native Americans to assess 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 and the "Inventory Report for Sunrise Cultural Resources." 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.
C-06a: Provide inventory to conduct visual analysis of all known and potential historic built environment resources in HPTP	All known historic built environment resources located within 0.5 miles of the Proposed Project have been inventoried and subjected to an analysis of visual impacts on those that are eligible for nomination to the National Register. The HPTP is being prepared and mitigation measures for visual impacts will be provided in that plan. SDG&E will submit the HPTP to the BLM and CPUC for review and approval once available.
C-06e: Minimize visual intrusion of aboveground portion on Highway 80	Project design and location has taken this measure into account. There were no impacts to Old Highway 80 identified in this portion of the Project.
C-06e: Include protection plan for Old Highway 80 in HPTP	The HPTP provides mitigation options for impacts to Old Highway 80.

Mitigation Measure and APM	Status
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	Cultural site inventories have been conducted. An HPTP is in preparation. Cultural resource sites have been avoided to the extent feasible and sites that cannot be avoided are being evaluated for National Register eligibility. Cultural resource sites in proximity to the project will be protected using Environmentally Sensitive Area designations.
CR-APM-02: Implement impact avoidance and APMs during construction	SDG&E has consulted with the appropriate land management agencies to avoid impacts to cultural resources. Avoidance measures will be implemented during construction.
CR-APM-03: Report within 24 hours any previously unidentified cultural resource discovered	This mitigation measure will be fulfilled during construction.
CR-APM-03: Suspend operations in the immediate area of the discovered cultural resource	This mitigation measure will be fulfilled during construction as needed.
CR-APM-03: Evaluate the discovered resource and determine appropriate actions.	This mitigation measure will be fulfilled during construction as needed.
CR-APM-03: Develop a treatment plan to mitigate impacts	The HPTP and HPMP provide direction for discovery and mitigation of impacts to cultural resource sites.
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	An Historic Properties Management Plan has been prepared by SDG&E and approved by the agencies on July 15, 2010 which incorporates the guidance in this measure and which will be implemented during construction.
CR-APM-06: Avoid historic properties by fencing or barricading	Historic properties have been surveyed and will be included in the HPTP. The HPTP will be submitted to the CPUC when available. Properties that cannot be avoided will be flagged as ESAs. These ESAs will be monitored by cultural monitors during construction and observations will be summarized and submitted to the CPUC in the weekly report.
CR-APM-06: Implement a plan if historic properties cannot be avoided	SDG&E has consulted with the appropriate property owners to avoid impacts to historic properties. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment based on these consultations. The Project Modification report briefly discusses these reroutes. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by the BLM and CPUC through a Determination Memorandum on September 22, 2010.
CR-APM-07: Control impacts that can deteriorate historic	This mitigation measure will be fulfilled during construction.
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	This mitigation measure will be fulfilled during construction.
CR-APM-07: Minimize deterioration to buildings and structures	This mitigation measure will be fulfilled during construction.
CR-APM-07: Implement a plan if deterioration cannot be avoided	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
CR-APM-08: Avoid and protect landscaping essential to historic property	SDG&E has consulted with the appropriate property owners to avoid impacts to historic properties. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating re-design of the alignment based on these consultations. The Project Modification Report briefly discusses these reroutes. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by the BLM and CPUC through a Determination Memorandum on September 22, 2010.
CR-APM-08: Minimize intrusion to the historic setting	This mitigation measure will be fulfilled during construction.
CR-APM-09: Restrict construction and operation access	This mitigation measure will be fulfilled during construction.
CR-APM-09: Instruct construction and maintenance personnel to protect sensitive properties	Construction and maintenance personnel will be instructed in protection of sensitive properties.
CR-APM-10: Span conductors over historic property	A memo was submitted to the CPUC on September 13, 2010 documenting compliance with this mitigation measure. As part of the final design, SDG&E located project structures so that conductors span linear historic property to the extent feasible.
CR-APM-10: Boring shall avoid disturbance to historic property	Boring is not required to avoid historic properties on the overhead portion of the line; therefore, this mitigation measure is not applicable.
CR-APM-11: Implement standard practices on private land	SDG&E has conducted cultural surveys for staging areas not identified in the approved FEIR/EIS.
CR-APM-12: Conduct cultural surveys for staging areas not yet identified	SDG&E has performed cultural surveys for staging areas not previously identified. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating a redesign of the alignment based on these surveys. The Project Modification report briefly discusses these changes. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010 and approved by a Determination Memorandum dated September 22, 2010.
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.
PAL-01c: Conduct full-time paleontological construction monitoring	The areas that require paleontological monitoring have been identified and monitors will be present during ground disturbance activities.
PAL-01c: Conduct part-time monitoring of sediments with low marginal undetermined sensitivity	This mitigation measure will be fulfilled during construction.
PAL-01c: Divert construction activities when significant fossils are recovered	The approved Monitoring and Treatment plan specifies a process for the discovery of paleontological resources.
PAL-01d: Implement Treatment Plan if significant paleontological resources are unavoidable	This mitigation measure will be fulfilled during construction.
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 during construction.
N-01a: Obtain a variance for night construction or 200 feet from sensitive receptors 45 days prior to construction	This mitigation measure will be fulfilled during construction. If it is determined that a variance is needed for construction noise, it will be applied for and obtained prior to construction.
N-01a: Employ noise suppression techniques	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
N-02a: Manage blasting with a plan for each site 45 days prior to construction	The preconstruction component of this measure is complete. A Blasting Preparation and Protection Plan was submitted to the CPUC on July 7, 2010. If blasting is deemed necessary a site-specific blasting plan will be submitted to the CPUC.
N-02a: Restore damaged structure and compensate owner	This mitigation measure will be fulfilled post construction, as needed.
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 identifies a public liaison person that will respond to concerns of neighboring receptors about noise disturbances. The Plan was approved by the CPUC on March 1, 2010.
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-01a: Restrict lane closures or obstructions on major roadways	Lane closures are not anticipated to occur; however, if land closures do occur this measure will be implemented during construction. Lane closures will be addressed in traffic plans as necessary.
T-04a: Provide temporary pedestrian access	Interference with pedestrian access is not anticipated to occur; however, if land closures do occur this measure will be implemented during construction.
T-04a: Provide detours and signs for bike route closures	Bike route or path closures are not anticipated to occur; however, if land closures do occur this measure will be implemented during construction.
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	Access agreements/easements will be obtained prior to any road work. Measures required in the agreement/easement will be implemented during construction.
T-07a: Conform to agency requirements if parking spaces are eliminated or relocated	The Construction Notification Plan addresses notification of the public through local newspapers and on-site postings when parking spaces may be temporarily eliminated or relocated. 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.
T-09a: Prepare a Construction Transportation Management Plan	A project-wide Traffic Study was submitted on April 28, 2010 and approved by Imperial County on August 19, 2010, San Diego County on September 29, 2010 and Caltrans on August 19, 2010. The Study revealed that there is only one area, Highway 67 on Link 5, where a CTMP will be required. The letters documenting this coordination for Imperial County was submitted to CPUC on October 15, 2010 and on October 20, 2010 for the County of San Diego and Caltrans.
T-11b: Provide notification when and where the line will be erected prior to construction	SDG&E has consulted with U.S. Customs and Border Patrol regarding the location of new transmission lines and towers. SDG&E met with U.S. Customs and Border Patrol representatives on December 17, 2009, February 8, 2010, and April 20, 2010. A memo documenting this coordination was provided to CPUC for the administrative record on October 15, 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 the 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-02a: Obtain permits for temporary lane closures	Prior to construction in areas where a temporary lane closure is determined to be necessary, SDG&E will obtain required permits from the County of San Diego, and CALTRANS. This measure will be satisfied during construction.
T-APM-02b: Submit Detour Plans	Prior to construction in an area where detours are determined to be necessary, SDG&E will submit detour plans to the County of Imperial, County of San Diego, and CALTRANS. No detours will occur until detour plans are submitted to the appropriate agency and permits are obtained.

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 mitigation 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	SDG&E will coordinate with emergency service providers prior to initiation of construction activities that would restrict movements of emergency vehicles. This measure will be satisfied during construction.
T-APM-04a: Notify cities and counties regarding construction activities	SDG&E shall notify and provide required information to counties and cities prior to initiation of construction activities that could impact police, fire, ambulance and paramedic services. This measure will be satisfied during construction.
T-APM-05a: Coordinate construction activities adjacent to school bus stops with school districts 1 month prior to construction	SDG&E has coordinated with school districts project wide to discuss construction activities adjacent to school bus stops. Documentation of this coordination effort was provided to CPUC for the administrative record on October 28, 2010.
T-APM-05a: Consult with transit authorities 1 month prior to construction	SDG&E has coordinated with the Imperial Valley Transit District and the Metropolitan Transit District to discuss construction activities and potential impacts to transit services. Documentation of this coordination effort was provided to CPUC for the administrative record on October 28, 2010.
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	There will be no new or relocated utility facilities on Links 1, 2, or 5 within 1,000 feet of an Officially Designated Scenic Highway. Therefore, this measure is not applicable to Links 1, 2, or 5.
T-APM-10a: Ensure continuous access to properties	During construction, SDG&E will ensure that the construction contractor provides driveway access to businesses and residences.
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.
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 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. It is not anticipated that hazardous waste will be stored in project areas or that the storage of hazardous materials will exceed 55 gallons for liquids, 500 pounds for solids, 220 cubic feet for gases or 1320 gallons of oil in storage containers 55 gallons or larger. In addition, hazardous materials and/or wastes will not be located in project areas until construction begins. If the regulatory thresholds discussed herein are exceeded, then appropriate safety plans, such as a HMBP and/or SPCC Plan will be developed as the project progresses and storage locations are identified. Plans will be updated during construction as needed.
HS-APM-04: Develop site specific blasting plan	SDG&E will prepare a site specific blasting plan prior to blasting. This measure will be satisfied during construction.
HS-APM-04: Use California licensed Blasting Contractor	A California licensed Blasting Contractor shall be used for all blasting operation.

Mitigation Measure and APM	Status
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 Phase 1 Environmental Site Assessment was submitted to CPUC for review on 12/3/09.
HS-APM-06: Investigate UXO by trained contractor	An investigation of the project ROW has been conducted by In Depth Corporation, a trained contractor. A memo summarizing these results was submitted to the CPUC on October 7, 2010. A revised memo was submitted on October 26, 2010 to address comments received from the CPUC.
HS-APM-06: Remove UXO by trained personnel	An investigation of the project ROW has been conducted by a UXO trained contractor. No UXO has been located; if, however, a UXO is found during pre-construction investigations of known or potential UXO areas, a trained contractor shall remove the UXO.
HS-APM-07: Train personnel to recognize UXO	The SWEAP video was approved by the CPUC on March 15, 2010 and discusses training of personnel involved in excavation regarding recognition of UXO.
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	A memo was submitted to the CPUC for the administrative record documenting compliance with Mitigation Measure HS-APM-9, Task 1, on September 10, 2010.
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	See T-9a
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.

Mitigation Measure and APM	Status
P-01b: Maintain hazardous material spill kits onsite	This measure will be implemented during construction.
P-02a: Test farmed soil samples and submit sampling and testing plan 60 days prior to construction	The Sampling and Testing Plan was approved on March 23, 2010. The Agricultural Sampling Report dated May 7, 2010 was approved on September 2, 2010. The Soil Management Plan was approved by the CPUC on September 9, 2010. The Sampling Report did not include the property associated with CP63, CP64 and the pull site and access road for CP64 and CP65. SDG&E will submit an additional summary memorandum for soil sampling and testing prior to construction on that property. This measure is complete for all other project areas.
P-02a: Submit laboratory results 30 days prior to construction	The Sampling and Testing Plan was approved on 3/23/10. The Agricultural Sampling Report dated May 7, 2010 was approved on September 2, 2010. The Soil Management Plan was approved by the CPUC on September 9, 2010. This measure is complete for all project areas with the exception of one property in Link 5 associated with structures CP63 and CP64.
P-02a: Follow regulatory procedures for handling and disposal of contaminated soil	Excavated materials containing elevated levels of pesticide or herbicide will be managed in compliance with the Soil Management Plan approved by the CPUC on September 9, 2010.
P-02a: Use effective dust suppression procedures	During construction, effective dust suppression procedures will be used in construction areas to reduce airborne emissions of these contaminants and reduce the risk of exposure to workers and the public.
P-02a: Consult regulatory agencies for handling, treatment, and/or disposal	Regulatory agencies for the State of California (DTSC or RWQCB) and San Diego County will be contacted by SDG&E or its contractor to plan handling, treatment, and/or disposal options.
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.
P-03b: Submit report to agencies of contaminated soil within 30 days of laboratory data receipt	This measure will be implemented during construction.
P-07a: Implement steps 60 days prior to construction if excavation will occur	The Soil Management Plan was approved by the CPUC on September 9, 2010 as fully addressing the requirements of this measure. A Phase 1 Environmental Site Assessment was submitted to the CPUC for review on December 2, 2009. In the event that new areas requiring ground disturbance are identified during construction, a Phase 1 will be conducted and submitted to the CPUC prior to construction in those areas.
PS-01a: Limit conductor surface gradient	SDG&E submitted a memorandum to the CPUC on September 30, 2010 demonstrating that SDG&E has limited the conductor surface electric gradient in accordance with the IEEE Radio Noise Design Guide.
PS-02a: Identify objects within and near ROW for induced voltages and implement electrical grounding	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. Dust Control Plan measures will be implemented during project construction.
AQ-01a: Pre-water sites 48 hours prior to clearing	This mitigation measure will be fulfilled during construction.
AQ-01a: Reduce amount of disturbed area	This mitigation measure will be fulfilled during construction.
AQ-01a: Spray stock-piles daily or as needed	This mitigation measure will be fulfilled during construction.
AQ-01a: Cover loads in trucks or maintain 6 inches of free-board	This mitigation measure will be fulfilled during construction.
AQ-01a: Pre-moisten import and export dirt prior to transport	This mitigation measure will be fulfilled during construction.
AQ-01a: Sweep public streets daily if soil tracking visible	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
AQ-01a: Apply soil stabilizers or water on inactive work areas	This mitigation measure will be fulfilled during construction.
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 at the yard. Any portable equipment over 50 hp will be permitted with the local Air Pollution Control District (APCD) or the California Air Resources Control Board. Equipment run logs will be maintained on a daily basis and periodically submitted to the CPUC.
AQ-01h: Obtain NOx emission reduction credits or fund incentive programs prior to construction	Mitigation measure AQ-01h, which was required to achieve emission reductions to levels below the federal thresholds is no longer applicable. The emissions expected based on the PMR are less than the federal General Conformity de minimus thresholds for San Diego Air Basin as determined in the Memorandum of Determination issued by the CPUC in September 2010. For additional information refer to page 9 of the memorandum.
AQ-04a: Report quarterly the status of carbon credits	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.
AQ-04c: Submit SF6 leak detection and repair program 90 days prior to construction	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.
AQ-04c: Become a Partner in EPA's SF6 Partnership prior to construction.	The Partnership MOU between SDG&E and the U.S. EPA was established on February 24, 2010.
AQ-04c: Report SF6 emissions to CCAR	As part of the SF6 Leak Detection and Repair Program developed by SDG&E, reporting of emissions to the CCAR will be conducted. This program was approved on March 12, 2010.
AQ-APM-02: Prohibit grading when wind exceeds 25 mph	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.
AQ-APM-02: Cover loads in trucks or maintain 2 feet of freeboard	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Install snow fence-type windbreaks	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Limit vehicle speeds to 15 mph on unpaved roads	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Water unpaved roads	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Apply soil stabilizers	This mitigation measure will be fulfilled during construction.
AQ-APM-02: Contain exposed stockpiles of soil and other material	This mitigation measure will be fulfilled during construction.
AQ-APM-03: Use methods to minimize mud and dust tracking on paved roads	This mitigation measure will be fulfilled during construction. A Dust Control Plan was approved by the CPUC on January 20, 2010. Conditions of the Dust Control Plan will be implemented and enforced throughout the Project.
AQ-APM-04: Encourage carpooling to job sites	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.
AQ-APM-05: Minimize vehicle idling time with common sense approach	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.
AQ-APM-05: Conduct briefings on common sense vehicle use	This mitigation measure will be implemented during construction.
H-01a (CC): Construct Chocolate Canyon Option in dry season	This mitigation measure will be fulfilled during construction.

Mitigation Measure and APM	Status
H-01a (CC): Drainage control and BMPs in place prior to winter rains	This mitigation measure will be fulfilled during construction.
H-01a (CC): Implement Source Water Protection Guidelines	This mitigation measure will be fulfilled during construction.
H-01b: Project construction plans and SWPPP for Los Peñasquitos Canyon Preserve	Los Peñasquitos Canyon Preserve is located west of Sycamore Canyon Substation which is the westerly end of the project; therefore, this measure is not applicable.
H-01k: File hazardous substance plan within 1 year of license issuance	SDG&E will comply with all Forest Service conditions as required by the Special Use Permit.
H-01k: Confine vehicles to roads identified in a Road and Traffic Management Plan	This mitigation measure will be fulfilled during construction.
H-01k: File an Erosion Control Measure Plan prior to construction	The SWPPPs and NPDES permits associated with the following WDID #s 937C358169 and 937C358216 were submitted to the CPUC and USFS on September 15, 2010. The conditions of the permit and SWPPP will be implemented and enforced during the construction to prevent and avoid hydrologic impacts.
H-01k: Submit NEPA analysis prior to ground disturbing work	The April 30, 2010 Mapbook and Project Modification Report (PMR) illustrate 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. A revised Mapbook and PMR was submitted to the CPUC on May 14, 2010.
H-01k: Enter into a cost recovery agreement with the Forest Service	A cost recovery agreement with USFS will be determined before ground disturbing activities may proceed on Forest Service Land.
H-01k: File a Water Resources Management Plan within 6 months of license issuance	A Water Use Study that discussed coordination efforts with local water districts was submitted for review on February 22, 2010. The SWPPPs and NPDES permits associated with the following WDID #s 937C358184 and 937C358217 were submitted to the CPUC on September 15, 2010. Qualified Stormwater monitors will be on-site during construction monitoring erosion control. This will be documented in the weekly monitoring report.
H-01k: File a plan for ground and surface water management within 1 year of license issuance	A Water Use Study that discussed coordination efforts with local water districts was submitted for review on February 22, 2010. Groundwater supplies will not be used during project construction.
H-01l: Submit a site-specific sediment control plan and SWPPP prior to construction	The SWPPPs and NPDES permits associated with the following WDID #s 937C358184 and 937C358217 were 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 hydrologic impacts.
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	A Wells and Springs Survey was submitted to CPUC on July 7, 2010 to address this mitigation measure prior to construction. This report was approved by CPUC on September 2, 2010. During construction, if blasting is determined to be necessary near a surveyed well or spring, SDG&E's contractor will prepare a blasting plan that addresses protection of the nearby well or spring.
H-06a: Determine which towers require scour protection during design phase	SDG&E provided the CPUC with an engineering report, sealed by a civil engineer registered in the State of California, demonstrating which towers may reasonably be subject to erosion during the life of the project. The report also provided plans for protection from scour, as well as an engineering demonstration that the tower and associated structures will not induce erosion onto adjacent property. The report was approved by the CPUC on October 7, 2010.
H-06a: Submit evaluation and design plans 60 prior to constructing towers	SDG&E provided the CPUC with an engineering report, sealed by a civil engineer registered in the State of California, demonstrating which towers may reasonably be subject to erosion during the life of the project. The report also provided plans for protection from scour, as well as an engineering demonstration that the tower and associated structures will not induce erosion onto adjacent property. The report was approved by the CPUC on October 7, 2010.

Mitigation Measure and APM	Status
H-07a: Submit a Hazardous Substance Control and Emergency Response Plan 60 days prior to construction	<p>A memo was submitted to the CPUC on Wednesday September 15, 2010 documenting compliance with this mitigation measure and provides the Waste Discharge Identification numbers assigned by the California State Water Resources Control Board. WDID numbers associated with Link 5 include: 937C358184 and 937C358217.</p> <p>Two site-specific SWPPPs have been developed for Link 5. These SWPPPs contain procedures to reduce the potential of spills and emergency response information to ensure quick and safe clean-up of spills.</p>
WQ-APM-01: Minimize disturbance to water resources	This mitigation measure will be implemented during construction. Grading plans were submitted on September 2, 2010 and demonstrate how disturbance to water resources will be minimized.
WQ-APM-02: Avoid sensitive water features	<p>A memo was submitted to the CPUC and Aspen documenting compliance with Mitigation Measure WQ-APM-2, Task 1, on August 30, 2010.</p> <p>Impacts to jurisdictional features were considered during design of the project and have been avoided, to the extent feasible. The locations of the structures are shown in the Project Modification Report Map Book, which was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum dated September 22, 2010.</p>
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.
WQ-APM-04: Use existing bridges to cross major streams	This mitigation measure will be fulfilled during construction.
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 locations of the structures are shown in the PMR Mapbook, which was submitted to the CPUC on May 14, 2010 and approved by CPUC and BLM through a Determination Memorandum dated September 22, 2010.
WQ-APM-04: Prepare and implement erosion control BMPs per the SWPPP	The SWPPPs and NPDES permits associated with the following WDID #s 937C358184 and 937C358217 were 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 hydrologic impacts.
WQ-APM-04: Select upland pull sites to minimize disturbance to water resources	A memo was submitted to the CPUC documenting compliance with Mitigation Measure WQ-APM-4, Task 5, on August 30, 2010. Impacts to surface water, riparian areas, wetlands, and floodplains were considered during design of the project and have been avoided to the extent feasible. The locations of the pull sites are shown in the Project Modification Report Map Book, which was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum on September 22, 2010.
WQ-APM-04: Do not place structures in streambeds or drainage channels	A memo was submitted to the CPUC documenting compliance with Mitigation Measure WQ-APM-4, Task 6, on August 30, 2010. Impacts to surface water, riparian areas, wetlands, and floodplains were considered during design of the project and have been avoided to the extent feasible. The locations of the pull sites are shown in the Project Modification Report Map Book, which was submitted to the CPUC on May 14, 2010 and approved through a Determination Memorandum on September 22, 2010.
WQ-APM-05: Construct stream crossings and develop a mitigation and restoration plan	Stream crossings will be constructed at low flow periods. A mitigation and restoration plan has been developed as part of the HMMP and was submitted to the agencies on July 14, 2010. A revised plan was submitted on October 8, 2010 to address agency comments.

Mitigation Measure and APM	Status
WQ-APM-06: Avoid designated surface water protection areas	The final project alignment is in the vicinity of the following source water; Lake Morena, Barrett Lake, El Capitan Reservoir, and San Vicente Reservoir. All these source waters will be avoided. The nearest source water to a project facility is the El Capitan Reservoir (Link 5). Structure CP72-2 (PMR mapbook page MS-119) is within 350 feet of the reservoir. The pullsite adjacent to the structure is approximately 100 feet from the reservoir. The next nearest source water to a project facility is the San Vicente Reservoir (Link 5), which is approximately 1650 feet from structure CP39 (PMR mapbook page MS-132). All other source waters are at least 1 mile from a project facility.
WQ-APM-06: No diversions, detention, retention, or consumption of surface waters	This mitigation measure will be fulfilled during construction.
WQ-APM-06: Conduct interviews with affected landowners prior to construction	Groundwater supplies will not be used during project construction; therefore this mitigation measure is not applicable.
WQ-APM-06: Negotiate with landowners to provide alternative water supplies	Groundwater supplies will not be used during project 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 and dewatering is not anticipated during construction. If it is later determined that dewatering is necessary, SDG&E will implement measure as defined.
WQ-APM-09: Storing fuels and hazardous materials prohibited near wells	This mitigation measure will be fulfilled during construction.
WQ-APM-10: Minimize stream bank erosion	See H-06a
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 SWPPPs and NPDES permits associated with the following WDID #s 937C358184 and 937C358217 were 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 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)
WQ-APM-15: Use existing roads or cross-country access routes	This mitigation measure will be fulfilled during construction.
WQ-APM-15: Clearly mark approved construction traffic routes	This mitigation measure will be fulfilled during construction.
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	SDG&E has located staging/storage areas for equipment and materials outside of riparian areas.

Mitigation Measure and APM	Status
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 Report titled, "Geotechnical and Geologic Hazards Investigation Report" dated October 16, 2009 was submitted to CPUC for review and approval on April 19, 2010. The final project design is based on the findings of this report. CPUC issued a memorandum on June 18, 2010 confirming that this report satisfies the requirements of this mitigation measure.
G-04a: Submit site-specific seismic analyses 60 days prior to final project design	A Geotechnical Report titled, "Geotechnical and Geologic Hazards Investigation Report" dated October 16, 2009 was submitted to CPUC for review and approval on April 19, 2010. An explanation of structure design based on windloading instead of seismic loading is included in the Executive Summary. The final project design is based on the findings of this report. CPUC's geotechnical consultant issued a memorandum on June 18, 2010 confirming that this report satisfies the requirements of this mitigation measure.
G-04b: Submit liquefaction studies 60 days prior to final project design	A Geotechnical Report titled, "Geotechnical and Geologic Hazards Investigation Report" dated October 16, 2009 was submitted to CPUC for review and approval on April 19, 2010. The final project design is based on the findings of this report. SDG&E will conduct additional geotechnical exploration, including borings. SDG&E will provide a supplemental report prior to installation of structures.
G-06a: Submit slope stability analyses 60 days prior to construction	A report titled "Geotechnical Evaluation, Access Roads and Structure Pads" dated October 16, 2009 was submitted to CPUC for review and approval on May 28, 2010. These reports included slope stability analyses as described in this measure. The final project design is based on the findings of these reports. As required by the CPUC memo dated June 18, 2010, additional investigations will occur in areas along Section 5 and Segment 4A of Link 5 during construction.
G-09a: Coordinate to determine status and plans of active quarries	There are no active quarries in Link 5. There is one property, Hansen, where quarry operations may occur in the future. SDG&E has coordinated with the Hansen property owner to determine the status of and plans for future quarry operations and SDG&E has agreed to compensate the owner if construction interferes with future quarry plans.
G-09a: Submit plan to avoid impacts to mining operations 60 days prior to construction	There are no active quarries in Link 5. However, SDG&E has agreed to compensate the Hansen property owner if construction interferes with future quarry plans.
G-09a: Provide map of reroute and summary of impacts to mining areas	Neither the SWPL or the Interstate 8 Alternative require a reroute due to quarry operations.
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 implemented during 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	See G-6a
GEO-APM-05: Implement construction to avoid or minimize new soil disturbance	Final Grading and Plan and Profiles were submitted to the CPUC on September 2, 2010. 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.

Mitigation Measure and APM	Status
GEO-APM-06: Perform surface restoration for erosion control and re-vegetation	Erosion control will be implemented under Project site specific SWPPPs and shall include areas where re-contouring and substantial ground disturbance will be required. This mitigation measure will be fulfilled during construction.
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	This mitigation measure will be fulfilled during construction.
GEO-APM-09: Consult with agencies if paleontological resources cannot be avoided	This mitigation measure will be fulfilled during construction.
PSU-APM-01: Coordinate with utility providers	There are no third party utilities that will be affected by the project; therefore, this mitigation measure is not applicable. A memo was submitted to the CPUC documenting compliance with Mitigation Measure PSU-APM-1 on October 14, 2010 and approved November 5, 2010.
PSU-APM-02: Notify USA 48 hours prior to earth-disturbing activities	This mitigation measure will be implemented during construction.
PSU-APM-03: Minimize disruption to response times and access for emergency and police services	This mitigation measure will be implemented during construction.
S-02a: Provide copies of posted public notices of planned outages	Applicability is project specific; Copies of notices and dates of public notification shall be provided to the CPUC and BLM. This measure will be satisfied during construction.
S-02b: Submit documentation prior to construction of the underground transmission line	Link 5 does not include underground transmission line construction; therefore, this mitigation measure is not applicable.
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. SDG&E will obtain a variance for the use of reclaimed water outside of the Padre Dam and City of San Diego jurisdictions. Potable water will be used until the variance is obtained. Copies of variances will be submitted to the CPUC prior to use of reclaimed 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.
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.
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	This mitigation measure is partially fulfilled through the Traffic Impact Study/Control Plan, which is specific for each site. Individual traffic plans will be developed by the contractor and are site specific.
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.

Mitigation Measure and APM	Status
F-01c: Contact dispatch centers 2 days prior to helicopter use	This measure will be implemented during construction.
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	SDG&E has incorporated non-specular steel poles into the project design in compliance with this mitigation measure. SDG&E provided the CPUC with final construction drawings for reference on July

ATTACHMENT B: LANDOWNER RESTRICTIONS

List of Restricted Areas for Private Landowners

These tables identify the closest structures where work may be restricted due to on-going landowner negotiations. The land ownership maps included with the Sunrise Powerlink Project Notice to Proceed Request (Attachment C) for the overhead portion of the project show all areas (e.g. access roads, ancillary sites, etc.) that are restricted until landowner negotiations are finalized. The maps should be used for the most accurate identification of restricted areas.

Link 1

EP231-1	EP243
EP238-1	EP244
EP239-1	EP245-1
EP240	EP358
EP242	Jacumba Valley Ranch Yard

Link 2-No restrictions

Link 5

CP28	CP47-2
CP29	CP48-2
CP29-1	CP49-1
CP32	CP50-1
CP32-2	CP51-1
CP33A	CP52
TSAP CP33A AND PULL SITE	CP54-2
CP33-2	CP55
CP34-2	CP56-1
CP35-2	CP-57
CP36-1	CP-59
CP37-2	CP-62-1
CP39	CP63-1
CP40-1	CP64-2
CP41-1	CP65-1
CP42-1	Helix Construction Yard
CP46-2	

These tables will be updated as landowner negotiations are completed.

ATTACHMENT C: LAND OWNERSHIP MAP

This attachment has been submitted under separate cover.

ATTACHMENT D: LANDOWNER NOTIFICATION MAP

This attachment has been submitted under separate cover.