



Sunrise Powerlink Project
8315 Century Park Court, CP21G
San Diego, CA 92123-1550

October 7, 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 Link 4 – 230 kV Underground Transmission Line

Dear Ms. Blanchard:

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

As previously discussed with the CPUC, SDG&E intends to construct the Project in Links and Segments to coincide with environmental restrictions, preconstruction mitigation measure implementation scheduling, and planned outages. SDG&E is proposing to begin construction on Link 4, 230 kV Underground Transmission Line, located in San Diego County within the community of Alpine in California. Link 4 of the Sunrise Powerlink Project consists of approximately 6.2 miles of two double circuit 230 kV transmission lines bifurcating the 230 kV overhead, Link 5, portion of the alignment between mileposts 98.2 and 92.

The underground alignment begins at two new double circuit transition cable poles. The transition cable poles provide the necessary structure to mechanically terminate the overhead conductors of the eastern end of the 230 kV portion of Link 5 and support the underground cable terminators required for each underground cable. The alignment traverses along private property and continues west along Alpine Boulevard. An existing dirt private driveway will be extended to just south of the two transition poles on the east end of the underground construction. The route continues west of Peutz Valley Road and Alpine Boulevard. From this location the alignment travels north under Interstate 8 onto private property where it will transition overhead onto two new double circuit transition cable poles on private property. On the western end of the underground section, an existing unpaved road will be upgraded to provide access to the western transition cable poles. This access road will remain after

construction to provide access to SDG&E structures during the operation phase of the project. The underground construction will be supported by the Alpine Construction Yard 18, submitted under separate cover and approved as NTP#3.

Construction activities for Link 4 include construction of the transition structures, installation of the underground facilities and upgrades to existing access roads as shown on pages MS-110 through MS-117 of the April 30, 2010 PMR Map Book submitted on May 14, 2010. Stringing activities associated with the transition structures will be conducted during construction of Link 5.

SDG&E requests to begin construction activities along Link 4 based on the following conditions.

No impacts will occur to sensitive vegetation, including tree trimming, until the following plans and reports have been approved by the CPUC:

- Habitat Mitigation and Monitoring Plan(for jurisdictional areas), Habitat Mitigation Plan and Habitat Acquisition Plan (MM B-1a, B-2a, B-7e, B-7j, B-7l, G-CM-17, G-CM-45)
- 2010 Rare Plant Survey Report, excerpt for Link 4, anticipated submittal October 18, 2010 (MM B-5a, G-CM-33)
- Restoration Plan for Sensitive Vegetation Communities in Temporary Impact Areas, submitted September 24, 2010 (MM B-5a)
- Amendment to the 2009 Bat Survey Report, submitted October 1, 2010 (MM B-9a)

SDG&E anticipates approval of these plans and reports by late October.

SDG&E has also submitted the required permit applications for work in jurisdictional areas, including a California Department of Fish and Game (CDFG) Streambed Alteration Agreement, Army Corps of Engineers (ACOE) Section 404 Nationwide Permit 12, and the Regional Water Quality Control Board (RWQCB) Section 401 Water Quality Certification. No work will occur within CDFG, ACOE or RWQCB jurisdiction until the appropriate permits are obtained, in accordance with Mitigation Measures (MM) B-2a and WQ-APM-15.

The majority of the work along Link 4 occurs within paved areas along Alpine Boulevard. Work activities will be restricted to these paved areas until the above mentioned approvals are obtained. As noted above, tree trimming required at various locations along Alpine Boulevard will not be allowed until approvals are received. The areas where work will be restricted until these conditions have been met are depicted in Attachment B, Link 4 Map.

A Final Class III Inventory was approved by the CPUC and the BLM on June 2, 2010. Twenty-eight sites where impacts cannot be avoided were identified; however none of these sites occur on Link 4. All known cultural resources will be avoided on Link 4. In addition, protection measures in the Historic Properties Management Plan, approved by the CPUC and BLM on July 15, 2010, will be implemented on Link 4 during construction as required.

With the exception of the conditions listed above, all preconstruction measures have been met for Link 4 (see Attachment A). All other required mitigation measures, as stated in the

Mitigation Monitoring, Compliance, and Reporting Program (MMCRP), will be implemented immediately prior to and during construction. Please note that Attachment A includes all measures associated with design, preconstruction and during implementation; post construction measures are not included in Attachment A, these can be referenced in the MMCRP. We respectfully ask for authorization of this NTP request by October, 22, 2010 in order to begin construction on the 230 kV underground transmission line of the Sunrise Powerlink Project, Link 4, Section 6, Segment 15, of the Project. Should you have any questions or need additional information, please do not hesitate to contact me at (858) 650-4064.

Sincerely,



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Cc: Susan Lee, Aspen Environmental Group
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Attachment: A - Mitigation Measure Table
B - Link 4 Map

ATTACHMENT A

Attachment A: Preconstruction Status Report

Thursday, October 07, 2010

3:36:30 PM

Report Criteria:

AGENCY: CPUC

LOCATION: Link 4

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 4

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	Properties and Right-of-way associated with construction of Link 4 are not in use as mitigation for other projects; therefore, this portion of the mitigation measure is not applicable.
B-01a: Delineate all limits of construction	The limits of construction will be delineated with orange construction fencing or flagging prior to the start of construction.
B-01a: Coordinate gate installation 60 days prior to construction	No new gate installation will occur on public access roads. Access roads will be located on private driveways. SDG&E has coordinated with a local landowner for replacement of a gate on Loritz property. This was agreed upon through a landowner agreement signed April 17, 2010.
B-01a: Submit documentation of coordination 30 days prior to construction	No new gate installation will occur on public access roads. Access roads will be located on private driveways. SDG&E has coordinated with a local landowner for replacement of a gate on Loritz property. This was agreed upon through a landowner agreement signed April 17, 2010.
B-01a: Post signs on access road gates prohibiting unauthorized users	No new gate installation will occur on public access roads. Access roads will be located on private driveways. SDG&E has coordinated with a local landowner for replacement of a gate on Loritz property. This was agreed upon through a landowner agreement signed April 17, 2010.
B-01a: Provide funding for off-road vehicle patrols	This mitigation measure is not applicable to Link 4. Off-Highway Vehicle Recreational Areas are not located along Link 4 (Alpine Boulevard and associated private lands).
B-01a: Mitigate for impacts by unauthorized activity	This mitigation measure will be fulfilled during construction.
B-01a: Submit a Habitat Restoration Plan	SDG&E submitted a Restoration Plan for Sensitive Vegetation Communities for Temporary Impacts for review and approval to the CPUC, BLM, USFS and wildlife agencies that addresses restoration of temporarily impacted areas on September 24, 2010. SDG&E will not impact sensitive vegetation communities prior to approval of this plan.
B-01a: Mitigate for impacted habitat	In coordination with the appropriate agencies, off-site purchase and dedication of habitat shall be provided for areas where habitat restoration cannot meet mitigation requirements as outlined in this measure. This will be determined during and post construction during restoration activities.
B-01a: Mitigate for the loss of native trees and tree trimming	Mitigation for loss of native trees or tree trimming will be provided as outlined in this measure. The 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 was prepared by an approved 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 an approved 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 shall be fulfilled during or post construction should a fire occur and found to be caused by the project.
B-01k: Develop re-seeding plan	This mitigation measure shall be fulfilled during or post construction should a fire occur and found to be caused by the project.
B-02a: Avoid impacts to jurisdictional areas	Impacts to jurisdictional features were considered during the design of the project and have been avoided, to the extent feasible. The location of each jurisdictional drainage and potential impact was described in the Preliminary Jurisdictional Determination report that was approved by the Army Corps of Engineers.
B-02a: Mitigate impacted areas as required by wetland permitting	Where avoidance of jurisdictional areas is not feasible, SDG&E will comply with all mitigation required by the jurisdictional agencies. SDG&E will not impact jurisdictional areas prior to providing the necessary mitigation required as part of wetland permitting. SDG&E submitted a HMMP on July 14, 2010 and a revision to the HMMP on October 7, 2010.
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. 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 Construction Design Plans have been submitted to the CPUC on June 8, 2010.
B-02a: Mitigate for jurisdictional wetland habitat	SDG&E will not impact jurisdictional areas prior to acquiring the required permits for work in jurisdictional areas. SDG&E submitted a HMMP on July 14, 2010 and a revision to the HMMP on October 7, 2010.
B-02a: Obtain wetland permits prior to construction	Wetland permit applications were submitted for review and approval on March 30, 2010 and updates were submitted on August 23, 2010.
B-02a: Delineate all limits of construction	The April 30, 2010 Mapbook submitted on May 14, 2010 illustrates the limits of construction. Limits of construction will be delineated with orange construction fencing, flagging or silt fencing prior to construction.
B-02a: Install gates and signs at entrances of access roads	This mitigation measure is not applicable to Link 4 NTP. No new gate installation will occur on public access roads. New access roads will be located on private driveways.
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 will not impact jurisdictional areas prior to approval of the Habitat Management Plan. A Habitat Management Plan was submitted for review and approval on September 22, 2010.
B-03a: Submit and implement a Weed Control Plan	A Final Weed Control Plan was approved on September 8, 2010.

Mitigation Measure and APM	Status
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 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 construction.
B-03a: Wash vehicles and equipment	This mitigation measure will be fulfilled during construction. The closest designated wash station is located on the Alpine Construction yard.
B-03a: Submit monthly wash logs during construction and annual logs during operation/maintenance	This mitigation measure will be fulfilled during construction.
B-05a: Conduct surveys in the spring and submit a special status plant report	A Rare Plant Survey was completed by a qualified biologist. The survey report was submitted to the CPUC for review, as outlined in this measure, on November 9, 2009 and found adequate in a memo from Helix dated August 26, 2010. No rare plants were identified in the 2009 surveys along Link 4. No rare plants were observed during the 2010 rare plant survey on Link 4.
B-05a: Stake or flag special status plant populations	A Rare Plant Survey was completed by a qualified biologist. The survey report was submitted to the CPUC for review, as outlined in this measure, on November 9, 2009 and found adequate in a memo from Helix dated August 26, 2010. No rare plants were identified in the 2009 surveys along Link 4. Special status plant populations will be staked or flagged by a qualified biologist if identified during construction.
B-05a: Avoid impacts to federal and state listed plant species	Impacts to federal or State listed species have been avoided. The Project Modification Report Mapbook submitted on May 14, 2010, shows both sensitive resources and the locations of areas that may be disturbed. A Rare Plant Survey was completed by a qualified biologist. The survey report was submitted to the CPUC for review, as outlined in this measure, on November 9, 2009 and found adequate in a memo from Helix dated August 26, 2010. No rare plants were identified in the 2009 surveys along Link 4. No rare plants were observed during the 2010 rare plant survey on Link 4.
B-05a: Submit a Restoration Plan for federal and state listed plants	SDG&E will not impact rare plants until the Restoration Plan for Special Status Plants is approved. The plan will be prepared by a qualified biologist as outlined in this measure.
B-05a: Avoid impacts to moderately sensitive plant species	Impacts to moderately sensitive plant species have been avoided. The Project Modification Report Mapbook submitted on May 14, 2010, shows both sensitive resources and the locations of areas that may be disturbed. A Rare Plant Survey was completed by a qualified biologist. The survey report was submitted to the CPUC for review, as outlined in this measure, on November 9, 2009 and found adequate in a memo from Helix dated August 26, 2010. No moderately sensitive plants were identified in the 2009 surveys along Link 4.
B-05a: Submit a Restoration Plan for special status plant species	Reseeding and salvage is not required on Link 4. A Rare Plant Survey was completed by a qualified biologist. The survey report was submitted to the CPUC for review, as outlined in this measure, on November 9, 2009 and found adequate in a memo from Helix dated August 26, 2010. No rare plants were identified in the 2009 surveys along Link 4. No rare plants were observed during the 2010 rare plant survey on Link 4. No impacts to special status plant species will occur on Link 4.
B-05a: Submit a Habitat Management Plan	No offsite mitigation is required because there are no rare plants on Link 4.
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. 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-07e: Conduct grading or brushing outside of breeding season September 16- March 14	Riparian Birds Survey Report 2009 was submitted to CPUC for review on January 14, 2010. This measure will be implemented during construction.
B-07e: Survey within 10 days prior to initiating work in area	Riparian Birds Survey Report 2009 submitted to CPUC for review on January 14, 2010. Least Bell's vireo occur near the Link 4 construction area but will not be impacted by construction. No southwestern willow flycatcher occupied or designated critical habitat occurs in the Link 4 construction area. There will not be any impacts to occupied vireo/flycatcher habitat on Link 4. A permitted biologist will conduct pre-construction surveys for least Bell's vireo and southwestern willow flycatcher within 10 calendar days prior to the initiation of construction that would occur between March 15 and September 15.
B-07e: Survey once per week if species present	Riparian Birds Survey Report 2009 submitted to CPUC for review on January 14, 2010. Least Bell's vireo occur near the Link 4 construction area but will not be impacted by construction. No southwestern willow flycatcher occupied or designated critical habitat occurs in the Link 4 construction area. There will not be any impacts to occupied vireo/flycatcher habitat on Link 4. A permitted biologist will conduct pre-construction surveys for least Bell's vireo and southwestern willow flycatcher within 10 calendar days prior to the initiation of construction that would occur between March 15 and September 15. This mitigation measure will be fulfilled during construction.
B-07e: Establish 300-foot buffer if active nest found	Riparian Birds Survey Report 2009 submitted to CPUC for review on January 14, 2010. Least Bell's vireo occur near the Link 4 construction area but will not be impacted by construction. No southwestern willow flycatcher occupied or designated critical habitat occurs in the Link 4 construction area. There will not be any impacts to occupied vireo/flycatcher habitat on Link 4. A permitted biologist will conduct pre-construction surveys for least Bell's vireo and southwestern willow flycatcher within 10 calendar days prior to the initiation of construction that would occur between March 15 and September 15. This mitigation measure will be fulfilled during construction.
B-07e: Monitor noise if construction occurs within buffer	Riparian Birds Survey Report 2009 submitted to CPUC for review on January 14, 2010. Least Bell's vireo occur near the Link 4 construction area but will not be impacted by construction. No southwestern willow flycatcher occupied or designated critical habitat occurs in the Link 4 construction area. There will not be any impacts to occupied vireo/flycatcher habitat on Link 4. A permitted biologist will conduct pre-construction surveys for least Bell's vireo and southwestern willow flycatcher within 10 calendar days prior to the initiation of construction that would occur between March 15 and September 15. This mitigation measure will be fulfilled during construction.
B-07e: Provide mitigation for temporary and permanent impacts	Riparian Birds Survey Report 2009 submitted to CPUC for review on January 14, 2010. Least Bell's vireo occur near the Link 4 construction area but will not be impacted by construction. No southwestern willow flycatcher occupied or designated critical habitat occurs in the Link 4 construction area. There will not be any impacts to occupied vireo/flycatcher habitat on Link 4 so offsite mitigation is not required.
B-07e: Submit a Habitat Management Plan	Riparian Birds Survey Report 2009 submitted to CPUC for review on January 14, 2010. Least Bell's vireo occur near the Link 4 construction area but will not be impacted by construction. No southwestern willow flycatcher occupied or designated critical habitat occurs in the Link 4 construction area. There will not be any impacts to occupied vireo/flycatcher habitat on Link 4. SDG&E will not impact sensitive habitat prior to the approval of a Habitat Management Plan. The HAP/HMP was prepared by an approved biologist and was submitted for review and approval on September 22, 2010 as outlined in the mitigation measure.

Mitigation Measure and APM	Status
B-07h: No activities within 4,000 ft. of eagle nest during breeding season	This mitigation measure is not applicable to the Link 4 NTP. Construction along Link 4 will not occur within 4,000 feet of an eagle nest.
B-07i: Determine suitable habitat areas of QCB	Per USFWS QCB protocol, site assessments for suitable QCB habitat were conducted in 2009 and 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 by MP 116.5, 110, 79 to 80, 74.5, 71, and 36. Construction of Link 4 will occur between MP 98 and MP 92.8. No disturbance will occur to Quino checkerspot butterfly habitat.
B-07i: Conduct pre-construction protocol survey	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 by MP 116.5, 110, 79 to 80, 74.5, 71, and 36. This mitigation measure does not apply for the Link 4. Construction of Link 4 will occur between MP 98 and MP 92.8. No disturbance will occur to Quino checkerspot butterfly habitat.
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 by MP 116.5, 110, 79 to 80, 74.5, 71, and 36. Construction of Link 4 will occur between MP 98.2 and MP 92. No disturbance will occur to Quino checkerspot butterfly habitat.
B-07i: Submit a Habitat Management Plan	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 by MP 116.5, 110, 79 to 80, 74.5, 71, and 36. This mitigation measure does not apply for the Link 4. Construction of Link 4 will occur between MP 98 and MP 92.8. No disturbance will occur to Quino checkerspot butterfly habitat.
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 CPUC 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 were conducted and completed along the two stream crossings through Alpine Boulevard between MP98.2 and MP92. No Arroyo Toad were found at these locations during the 2009 surveys. Survey results were included in the 2009 Arroyo Toad Survey Report.
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	A biological monitor shall conduct daily clearance surveys. This mitigation measure shall be fulfilled during construction.
B-07j: Mitigate for the loss of occupied habitat	Based on the 2009 Arroyo Toad Survey, no occupied habitat occurs in Link 4.
B-07j: Submit a Habitat Management Plan	A Habitat Management Plan was submitted to the appropriate agencies on September 22, 2010 for review and approval as outlined in this measure. No impacts to Arroyo Toad habitat will occur prior to approval of this plan.

Mitigation Measure and APM	Status
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	No occupied California gnatcatcher habitat occurs along Link 4. USFS suitable habitat occurs north of the proposed alignment and work areas, and will not be impacted by construction. There is no designated critical habitat along Link 4.
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	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. This mitigation measure will be fulfilled during construction.
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.
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.
B-09a: No direct impacts to nursery colonies allowed	Bat nursery colonies were not identified on Link 4. If nursery colonies are encountered during construction, measures will be implemented to avoid direct impacts.
B-09a: Implement methods to minimize indirect impacts	Bat nursery colonies were not identified on Link 4. If nursery colonies are encountered during construction, measures will be implemented to minimize indirect impacts.

Mitigation Measure and APM	Status
BIO-APM-01: Submit protocol surveys for sensitive plant and wildlife	<p>USFWS protocol-level surveys for Arroyo Toad 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 CPUC 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.</p> <p>The surveys were conducted and completed along the two stream crossings through Alpine Boulevard between MP98.2 and MP92. No Arroyo Toad were found at these locations during the 2009 surveys. Survey results were included in the 2009 Arroyo Toad Survey Report.</p> <p>Rare Plant surveys were also conducted along Link 4. A Rare Plant Survey was completed by a qualified biologist. The survey report was submitted to the CPUC for review, as outlined in this measure, on November 9, 2009 and found adequate in a memo from Helix dated August 26, 2010. No sensitive plants were observed.</p> <p>There is not designated critical habitat for least Bell's vireo, southwestern willow flycatcher or coastal California gnatcatcher in Link 4. Riparian Birds Survey Report 2009 submitted to CPUC for review on January 14, 2010. Least Bell's vireo occur near the Link 4 construction area but will not be impacted by construction. No southwestern willow flycatcher occupied or designated critical habitat occurs in the Link 4 construction area. There will not be any impacts to occupied vireo/flycatcher habitat on Link 4 so offsite mitigation is not required. Neither Occupied coastal California gnatcatcher nor unoccupied critical habitat occurs along Link 4. USFS designated suitable habitat occurs north of Alpine Boulevard construction area, however, activities will not impact this habitat.</p>
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	The pre-construction component of this mitigation measure is complete. All vehicle traffic will occur on existing access roads and upgraded access roads within private property on the east and west end of Link 4 and on Alpine Boulevard as outlined in the Final Construction Plans submitted on June 8, 2010. Limits of construction will be marked by SDG&E in advance for the contractor, contractor-acquired accesses, or public access roads.
BIO-APM-03: Avoid constructing roads during nesting season and submit surveys if new roads needed during nesting season	<p>The pre-construction component of this mitigation measure is complete. All vehicle traffic will occur on existing public roads and access roads within private property on the east and west end of Link 4 and on Alpine Boulevard as outlined in the Final Construction Plans submitted on June 8, 2010.</p> <p>When it is not feasible to keep vehicles on existing access roads or to avoid constructing new access roads during the nesting season, SDG&E shall perform surveys and submit results to the USFWS and CDFG.</p>
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	<p>Final Construction Design Plans have been submitted to the CPUC on June 8, 2010.</p> <p>Project and survey activities will be confined to areas noted in final dimensioned engineering drawings.</p>
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	The pre-construction component of this mitigation measure is complete. To the extent possible, access roads will be constructed as outlined in this mitigation measure. New access roads for this link will not be constructed through streambeds or washes. Access road construction and design have been outlined in the Final Construction Plans submitted on June 8, 2010.
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 and August 23, 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	The SWEAP video, approved by the CPUC on March 15, 2010, includes instruction that littering is prohibited on this project. The SWEAP video will be shown to all project personnel prior to construction and enforced throughout all phases of the Project.
BIO-APM-08: Delineate and avoid sensitive plant populations	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment. The PMR (dated May 14, 2010) discusses the overall reduction of impacts to sensitive features and the redesign of the alignment to be relocated to previously disturbed areas, when feasible. The April 30, 2010 Mapbook and PMR were submitted to the CPUC on May 14, 2010. 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	Tree trimming locations have been identified. Information regarding sensitive tree trimming locations will be put into the SDG&E GEARS database. This mitigation measure will be fulfilled during and post construction.
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	Access roads improved as part of Link 4 are permanent access roads and shall remain open for maintenance of the alignment. Access road improvements shall be performed by grading. This mitigation measure is not applicable for Link 4.

Mitigation Measure and APM	Status
BIO-APM-18: Design structures and access roads to minimize impacts to sensitive features	<p>A memo was submitted to the CPUC and Aspen documenting compliance with Mitigation Measure BIO-APM-18, Task 1, on September 1, 2010. Structures and access roads have been designed to minimize impacts to sensitive features. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment. The PMR (dated May 14, 2010) discusses the overall reduction of impacts to sensitive features and the redesign of the alignment to be relocated to previously disturbed areas, when feasible. The April 30, 2010 Mapbook and PMR were submitted to the CPUC on May 14, 2010.</p>
BIO-APM-18: Submit site surveys when constructing poles or roads in high value habitats cannot be avoided	<p>USFWS protocol-level surveys for Arroyo Toad 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 CPUC 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.</p> <p>The surveys were conducted and completed along the two stream crossings through Alpine Boulevard between MP98.2 and MP92. No Arroyo Toad were found at these locations during the 2009 surveys. Survey results were included in the 2009 Arroyo Toad Survey Report.</p> <p>Rare Plant surveys were also conducted along Link 4. A Rare Plant Survey was completed by a qualified biologist. The survey report was submitted to the CPUC for review, as outlined in this measure, on November 9, 2009 and found adequate in a memo from Helix dated August 26, 2010. No sensitive plants were observed.</p> <p>There is not designated critical habitat for least Bell's vireo, southwestern willow flycatcher or coastal California gnatcatcher in Link 4. Riparian Birds Survey Report 2009 submitted to CPUC for review on January 14, 2010. Least Bell's vireo occur near the Link 4 construction area but will not be impacted by construction. No southwestern willow flycatcher occupied or designated critical habitat occurs in the Link 4 construction area. There will not be any impacts to occupied vireo/flycatcher habitat on Link 4 so offsite mitigation is not required. Neither Occupied coastal California gnatcatcher nor unoccupied critical habitat occurs along Link 4. USFS designated suitable habitat occurs north of Alpine Boulevard construction area, however, activities will not impact this habitat.</p> <p>Pre-construction surveys will be conducted by a qualified biologist if applicable. Results of the surveys will be submitted to wildlife agencies for review and approval.</p>
BIO-APM-18: Construct crossings at right angles to streambeds if access roads cannot avoid sensitive water features	<p>To the extent possible, access roads shall be constructed as outlined in this mitigation measure. Access road construction and design have been outlined in the Final Construction Plans submitted on June 8, 2010. Revised 401, 404, and 1602 permit applications were submitted for review and approval on March 30, 2010 and August 23, 2010.</p>
BIO-APM-19: Implement and comply with BLM mitigation measures	<p>This mitigation measure will be fulfilled during and post construction.</p>
BIO-APM-19: Use Section 7 process to obtain incidental take authorization	<p>Based on the surveys conducted there are no species on Link 4 that would be covered under the Section 7 take authorization.</p>
BIO-APM-20: Leave vegetation in place where re-contouring is not required	<p>This mitigation measure will be implemented during construction.</p>
BIO-APM-21: Conform to "Suggested Practices for Raptor Protection on Power Lines"	<p>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.</p> <p>Transition structures are included as part of construction of Link 4. These structures are located where overhead and underground transmission lines meet. These structures have been designed to conform with "Suggested Practices for Raptor Protection on Power Lines" (Raptor Research Foundation, Inc. 1981). Final Construction Design Plans have been submitted for review and approval to the CPUC on June 8, 2010.</p>
BIO-APM-22: Salvaging may include removal and stockpiling for replanting	<p>This mitigation measure will be implemented during construction.</p>

Mitigation Measure and APM	Status
BIO-APM-23: Remove only minimum amount of vegetation necessary for construction	This mitigation measure will be implemented during construction.
BIO-APM-23: Conserve topsoil in areas of sensitive habitat	This mitigation measure will be implemented during construction.
BIO-APM-24: Secure in place strong covers	This mitigation measure will be implemented during construction.
BIO-APM-26: Slope excavations on one end	This mitigation measure will be implemented 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	No bat maternity roosts were observed during the 2009 Bat Surveys performed along the Sunrise Powerlink alignment. A revised 2009 Bat Survey Report was submitted to CPUC for review on February 19, 2010. No roosting areas, such as large rocks or trees, exist as habitat for bat nursery colonies; therefore, this mitigation measure does not apply. An amendment to the 2009 bat survey was submitted to the CPUC on October 1, 2010.
BIO-APM-29: Minimize impacts of exterior lighting adjacent to preserved habitat	Construction of Link 4 of the Sunrise Powerlink Transmission Line will occur during daytime hours, as directed by local county ordinances. No night construction is anticipated and construction night lighting is not anticipated to be needed, therefore, this mitigation measure does not apply. Should night lighting be deemed necessary during construction, SDG&E will comply with this mitigation measure.
BIO-APM-29: Minimize vehicle speed and volume	This mitigation measure will be implemented during construction.
G-CM-01: 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.
G-CM-02: Use SDG&Es Water Quality Construction BMP Manual.	This mitigation measure will be fulfilled during construction. See WQ-APM-4
G-CM-03: Obtain NPDES permit and implement a SWPPP.	A Notice of Intent was submitted to the State Water Resources Control Board on May 5, 2010. A Waste Discharge Identification Number (937C358170) was received on May 18, 2010. A SWPPP has been developed and was submitted to the CPUC on September 23, 2010. The SWPPP will be implemented during construction.
G-CM-04: Training to implement conservation measures.	Project personnel have received training as outlined in this measure. A log of all personnel that have participated in SWEAP training will be periodically submitted to the CPUC throughout construction. (See BIO-APM-2)
G-CM-05: Limit vehicle speeds on access roads to minimize fugitive dust.	See BIO-APM-3
G-CM-06: Keep all activities within designated temporary and permanent disturbance areas.	Final Construction Design Plans have been submitted to the CPUC on June 8, 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.	Survey vehicles shall remain on existing roads. (See BIO-APM-04)
G-CM-06: No paint or discoloring agents will be applied to rocks or vegetation.	No paint or permanent discoloring agents shall be applied as outlined in this measure. (See BIO-APM-4)

Mitigation Measure and APM	Status
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.	Stringing of new wire and reconductoring is not included in the scope of work for Link 4 and therefore this mitigation measure is not applicable.
G-CM-09: Disposal of wastes.	Littering will be prohibited on this project. (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 and Aspen documenting compliance with Mitigation Measure BIO-APM-18, Task 1, on September 1, 2010. Structures and access roads have been designed to minimize impacts to sensitive features. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment. The PMR (dated May 14, 2010) discusses the overall reduction of impacts to sensitive features and the redesign of the alignment to be relocated to previously disturbed areas, when feasible. The April 30, 2010 Mapbook and PMR were submitted to the CPUC on May 14, 2010
G-CM-11: conduct site surveys when not feasible to avoid constructing poles or access roads in designated sensitive areas.	See BIO-APM-18
G-CM-12: Leave vegetation in place where re-contouring is not required. Restore disturbed soils based on HRP per G-CM-16.	This mitigation measure will be fulfilled during construction.
G-CM-13: Use lowest illumination allowed for human safety.	Construction of Link 4 of the Sunrise Powerlink Transmission Line will occur during daytime hours, as directed by local county ordinances. No night construction is anticipated and construction night lighting is not anticipated to occur and therefore, this mitigation measure does not apply. Should night lighting be deemed necessary during construction, SDG&E will comply with this mitigation measure.
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).	No sensitive vegetation occurs on Link 4 that requires the use of temporary construction mats.
G-CM-16: Habitat Restoration Plan approval.	No temporary impacts are being proposed as part of construction of Link 4, therefore this mitigation measure does not apply. (See B-1a)
G-CM-16: Impacts, compensation, and a qualified habitat restoration specialist.	SDG&E will not impact sensitive vegetation communities prior to approval of the Restoration Plan for Sensitive Vegetation Communities submitted to the CPUC on September 24, 2010. (See B-1a)

Mitigation Measure and APM	Status
G-CM-16: Temporary impacts to desert scrub and dune habitats.	This mitigation measure does not apply. No desert scrub and dune habitats exist along Link 4. The April 30, 2010 Mapbook and Project Modification Report (PMR) illustrate the types of habitat that exist along Link 4, which include Chapparal, Coastal and Montane Scrub, and Disturbed/Developed/Non-Vegetated habitat. The April 30, 2010 Mapbook and PMR were submitted to the CPUC on May 14, 2010. (See B-1a)
G-CM-17: Habitat Management Plan.	SDG&E will not impact sensitive vegetation communities prior to the approval of a Habitat Management Plan. The HAP/HMP was prepared by an approved biologist and was submitted for review and approval on September 22, 2010 as outlined in this mitigation measure. (See B-1a)
G-CM-17: Off-site compensation and property acquisition.	SDG&E will not impact sensitive vegetation communities prior to the approval of a Habitat Management Plan. The HAP/HMP was prepared by an approved biologist and was submitted for review and approval on September 22, 2010 as outlined in this mitigation measure. (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.	Construction along Link 4 will not occur in Flat-Tail Horned Lizard Habitat; therefore, this mitigation measure does not apply. (See B-11a)
G-CM-20: Develop a Weed Control Plan for pre-construction and non-invasive weed abatement.	A Final Weed Control Plan was approved on September 8, 2010. (See B-3a)
G-CM-20: Contents of the Weed Control Plan.	A Final Weed Control Plan was approved on September 8, 2010. The pre-construction weed inventory has been completed and is discussed in 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.	The Dust Control Plan was approved on January 20, 2010 which addresses mitigation measures AQ-1a, AQ-APM-1, AQ-APM-2, and AQ-APM-3. This plan was submitted for the entire Sunrise Powerlink Project alignment and addresses specific measures that will be required to prevent generation of dust. The Dust Control Plan will be implemented and enforced during construction of Link 4. (See AQ-1a) Document Link: http://www.cpuc.ca.gov/environment/info/aspen/sunrise/otherdocs/DCP/Dust%20Control%20Plan%20REV%20091112.pdf
G-CM-24: Implement Dust Control Plan.	See AQ-1a
G-CM-25: Restrict vehicle movement to access roads.	The pre-construction component of this mitigation measure is complete. Vehicle traffic will be restricted to existing paved and unpaved access roads when feasible. All vehicle traffic will occur on existing access roads and newly constructed access roads within private property on the east and west end of Link 4 and on Alpine Boulevard as outlined in the Final Construction Plans submitted on June 8, 2010. (See BIO-APM-3)
G-CM-26: Delineate construction limits.	The limits of construction will be delineated with orange construction fencing or flagging prior to the start of construction. No new gate installation will occur on public access roads. New access roads will be located on private driveways. (See B-1a)
G-CM-27: Build access roads at right-angles to stream crossings.	To the extent possible, access roads shall be constructed as outlined in this mitigation measure. Access road construction and design have been outlined in the Final Construction Plans submitted on June 8, 2010. Revised 401, 404, and 1602 permit applications were submitted for review and approval on March 30, 2010 and August 23, 2010. In streambeds and washes, SDG&E will perform pre-activity survey(s) for threatened or endangered riparian birds as outlined in this mitigation measure. (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.	No new gate installation will occur on public access roads. New access roads will be located on private driveways. SDG&E has coordinated with a local landowner for replacement of a gate on Loritz property. This was agreed upon through a landowner agreement signed April 17, 2010. (See B-1a)
G-CM-29: Provide funding.	This mitigation measure is not applicable to Link 4. Off-Highway Vehicle Recreational Areas are not located along Link 4 (Alpine Boulevard and associated private lands). (See B-1a)

Mitigation Measure and APM	Status
G-CM-31: Mowing of access roads to maintain access for maintenance.	See BIO-APM-17
G-CM-32: Surveys for USFS listed species.	<p>USFWS protocol-level surveys for Arroyo Toad 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 CPUC 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.</p> <p>The surveys were conducted and completed along the two stream crossings through Alpine Boulevard between MP98.2 and MP92. No Arroyo Toad were found at these locations during the 2009 surveys. Survey results were included in the 2009 Arroyo Toad Survey Report.</p> <p>Rare Plant surveys were also conducted along Link 4. A Rare Plant Survey was completed by a qualified biologist. The survey report was submitted to the CPUC for review, as outlined in this measure, on November 9, 2009. No sensitive plants were observed.</p> <p>There is not designated critical habitat for least Bell's vireo, southwestern willow flycatcher or coastal California gnatcatcher in Link 4. Riparian Birds Survey Report 2009 submitted to CPUC for review on January 14, 2010. Least Bell's vireo occur near the Link 4 construction area but will not be impacted by construction. No southwestern willow flycatcher occupied or designated critical habitat occurs in the Link 4 construction area. There will not be any impacts to occupied vireo/flycatcher habitat on Link 4 so offsite mitigation is not required. Neither Occupied coastal California gnatcatcher nor unoccupied critical habitat does not occur along Link 4. USFS designated suitable habitat occurs north of Alpine Boulevard construction area, however, activities will not impact this habitat. (See BIO-APM-1)</p>
G-CM-33: Delineate plant population boundaries.	<p>The pre-construction component of this mitigation measure is complete. A Rare Plant Survey was completed by a qualified biologist. The survey report was submitted to the CPUC for review, as outlined in this measure, on November 9, 2009. No rare plants were identified in the 2009 surveys along Link 4, therefore no flagging is required. (See B-5a)</p>
G-CM-34: Tree trimming guidelines.	<p>The Habitat Acquisition Plan discusses mitigation for loss of native trees. A Habitat Acquisition Plan was submitted to the CPUC for review and approval on February 4, 2010. Tree Mitigation shall occur for loss of native trees or native tree trimming.</p>
G-CM-35: Rare plants shall be salvaged where avoidance is not feasible.	<p>Rare plants have been identified and mapped. A rare plant survey report was submitted to the CPUC on November 9, 2009. The April 30, 2010 Mapbook illustrates changes to the final design of the alignment. The PMR (dated May 14, 2010) discusses the overall reduction of impacts to rare plants identified in the surveys and a redesign of the alignment to avoid and minimize impacts to rare plants. The April 30, 2010 Mapbook and PMR were submitted to the CPUC on May 14, 2010. SDG&E is developing a Rare Plant Restoration Plan, which will be submitted to CPUC. No rare plants have been identified on Link 4. If rare plants are encountered during construction, measures will be implemented to reduce impacts.</p>
G-CM-36: Do not harm wildlife, including rattlesnakes.	<p>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. (See BIO-APM-10)</p>
G-CM-37: Do not feed wildlife.	<p>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. (See BIO-APM-11)</p>
G-CM-38: Do not bring pets to project areas.	<p>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. (See BIO-APM-12)</p>
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 mitigation 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.	All equipment maintenance, staging, and dispensing of fuel, oil, coolant, or any other such activities will occur at designated areas. Staging of equipment and equipment refueling will occur at the Alpine Laydown yard which was submitted as a separate NTP. Routine vehicle maintenance and other such activities will occur at the designated contractor's yard and will not occur along Link 4. This mitigation measure is not applicable to Link 4.
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 Construction Design Plans have been submitted to the CPUC on June 8, 2010. Project and survey activities will be confined to areas noted in final dimensioned engineering drawings.
G-CM-45: Purchase/dedicate suitable habitat for preservation.	A Habitat Acquisition Plan was submitted for review and approval on February 4, 2010. The plan includes the requirements as outlined in this mitigation measure. A revised HAP/HMP was submitted for review and approval on September 22, 2010 and includes the requirements as outlined in this mitigation measure. (See B-1a)
SS-CM-01: Avoid Impacts to Thornmint	Limits of construction of Link 4 are located between MP98.2 and MP92. This mitigation measure is not applicable to the Link 4 NTP.
SS-CM-01: Implement Weed Control Plan (G-CM-20).	Limits of construction of Link 4 are located between MP 98.2 and MP 92. This mitigation measure is not applicable to the Link 4 NTP.
SS-CM-02: Compensation of unavoidable impacts.	Limits of construction of Link 4 are located between MP 98.2 and MP 92. This mitigation measure is not applicable to the Link 4 NTP.
SS-CM-03: A USFWS-permitted biologist must delineate suitable/occupied Quino habitat.	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 by MP 116.5, 110, 79 to 80, 74.5, 71, and 36. This mitigation measure does not apply for the Link 4. Construction of Link 4 will occur between MP 98.2 and MP 92. No disturbance will occur to Quino checkerspot butterfly habitat.
SS-CM-04: Conduct a pre-construction presence/absence survey.	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 by MP 116.5, 110, 79 to 80, 74.5, 71, and 36. This mitigation measure does not apply for the Link 4. Construction of Link 4 will occur between MP 98 and MP 92.8. No disturbance will occur to Quino checkerspot butterfly habitat.
SS-CM-04: No species-specific compensation required in areas where survey is conclusive.	The USFWS concurred that there are no QCB on Link 4 and there is no potential habitat within close proximity to work areas.
SS-CM-04: In the event of inconclusive surveys, consider all habitat occupied and compensate accordingly.	The USFWS concurred that there are no QCB on Link 4 and there is no potential habitat within close proximity to work areas.
SS-CM-04: Host plant mapping during pre-construction surveys.	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 by MP 116.5, 110, 79 to 80, 74.5, 71, and 36. This mitigation measure does not apply for the Link 4. Construction of Link 4 will occur between MP 98.2 and MP 92. No disturbance will occur to Quino checkerspot butterfly habitat.

Mitigation Measure and APM	Status
SS-CM-05: Include habitat restoration in USFS's Recovery Plan for Quino Checkerspot Butterfly.	This mitigation measure is not applicable to Link 4 as no QCB habitat is present and restoration will not be required. (See B-7i)
SS-CM-06: Quino habitat within the Jacumba Unit.	This mitigation measure is not applicable to Link 4. This mitigation measure addresses only the Jacumba Unit of QCB which does not exist along Link 4.
SS-CM-07: Construction during Quino flight season.	This mitigation measure does not apply for the Link 4. Activities will take place outside Quino checkerspot butterfly habitat.
SS-CM-08: Pre-construction Service protocol survey within suitable breeding habitat.	<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 CPUC 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.</p> <p>The surveys were conducted and completed along the two stream crossings through Alpine Boulevard between MP98.2 and MP92. No Arroyo Toad were found at these locations during the 2009 surveys. Survey results were included in the 2009 Arroyo Toad Survey Report. (See B-7j)</p>
SS-CM-09: Develop arroyo toad translocation monitoring program prior to initiating construction.	<p>The surveys were conducted and completed along the two stream crossings through Alpine Boulevard between MP98.2 and MP92. No arroyo toad were found at these locations during the 2009 surveys. Survey results were included in the 2009 Arroyo Toad Survey Report.</p> <p>An Arroyo Toad Translocation plan is being developed for the project. (See B-7j)</p>
SS-CM-10: Develop and implement predator control program in USFS lands.	There is no USFS-land associated with Link 4; therefore, this measure is not applicable. (See B-7j)
SS-CM-11: Requirements for arroyo toad-occupied habitat loss.	<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 CPUC 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.</p> <p>The surveys were conducted and completed along the two stream crossings through Alpine Boulevard between MP98.2 and MP92. No Arroyo Toad were found at these locations during the 2009 surveys. Survey results were included in the 2009 Arroyo Toad Survey Report. (See B-7j)</p>
SS-CM-12: Daylight use of access roads to avoid/minimize impacts to arroyo toads.	This mitigation measure will be fulfilled during construction.
SS-CM-13: No construction activities during arroyo toad breeding season.	This mitigation measure will be fulfilled during construction.
SS-CM-15: Do not locate improvements within arroyo toad upland aestivation and riparian breeding habitat.	<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 CPUC 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. All work for Link 4 fall within existing disturbed areas (e.g. Alpine Boulevard) within Arroyo Toad habitat.</p> <p>The surveys were conducted and completed along the two stream crossings through Alpine Boulevard between MP98.2 and MP92. No Arroyo Toad were found at these locations during the 2009 surveys. Survey results were included in the 2009 Arroyo Toad Survey Report.</p> <p>The April 30, 2010 Mapbook illustrates changes to the final design of the alignment. The PMR (dated May 14, 2010) discusses overall minimization and avoidance of impacts to arroyo toad habitat and a redesign of the alignment to be relocated to previously disturbed areas when feasible. The April 30, 2010 Mapbook and PMR were submitted to the CPUC on May 14, 2010. (See B-7j)</p>

Mitigation Measure and APM	Status
SS-CM-16: Construction outside of the breeding season.	This mitigation measure will be fulfilled during construction.
SS-CM-16: Construction during the breeding season - survey 10 days prior to initiating activity.	A permitted biologist will conduct pre-construction surveys for least Bell's vireo and southwestern willow flycatcher within 10 calendar days prior to the initiation of construction that would occur between March 15 and September 15.
SS-CM-16: Activity protocol for when vireos are present during construction.	A permitted biologist will conduct surveys for least Bell's vireo and southwestern willow flycatcher daily should vireos be present. 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.
SS-CM-16: Avoid impacts to jurisdictional water resources.	A permitted biologist will monitor for active nests should least Bell's vireo be present.
SS-CM-18: Develop and implement brown-headed cowbird trapping program for USFS lands.	This mitigation measure is not applicable to Link 4. Construction along Link 4 will not occur in Cleveland National Forest.
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.	This mitigation measure does not apply to Link 4. Activities will take place outside coastal California gnatcatcher habitat.
SS-CM-19: Conduct presence/absence survey 10 days prior to initiating construction activities. Conduct nest survey, as appropriate.	During the coastal California gnatcatcher breeding season, 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. (See B-7I)
SS-CM-19: Establish no-construction barrier around active nests.	This mitigation measure does not apply to Link 4. Activities will take place outside coastal California gnatcatcher habitat.
SS-CM-20: Compensate for loss of occupied gnatcatcher habitat.	Occupied coastal California gnatcatcher habitat does not occur on Link 4.
SS-CM-21: Compensate for loss of unoccupied gnatcatcher habitat.	Unoccupied critical habitat does not occur on Link 4. USFS designated suitable habitat occurs north of Alpine Boulevard construction. Activities will not impact this habitat.
SS-CM-22: No construction during lambing season from January 1 through June 30 or period of greatest water need.	This mitigation measure does not apply for the Link 4. Activities will take place outside Peninsular bighorn sheep habitat.
SS-CM-23: Compensation for loss of occupied big horn sheep habitat.	This mitigation measure does not apply for the Link 4. Peninsular bighorn sheep habitat does not occur on Link 4.
SS-CM-24: Big Horn Sheep Monitoring Plan.	This mitigation measure does not apply for the Link 4. Peninsular bighorn sheep habitat does not occur on Link 4.
SS-CM-24: Helicopter flight paths over occupied habitat.	This mitigation measure does not apply for the Link 4. Peninsular bighorn sheep habitat does not occur on Link 4.
SS-CM-24: Cease construction within I-8 Island until sheep have left the area.	This mitigation measure does not apply for the Link 4. Peninsular bighorn sheep habitat does not occur on Link 4.
SS-CM-25: Fund, design, and construct a fencing system to prevent bighorn sheep from crossing I-8.	This mitigation measure does not apply for the Link 4. Peninsular bighorn sheep habitat does not occur on Link 4.
SS-CM-25: Fund the removal of invasive species and hazardous fences.	This mitigation measure does not apply for the Link 4. Peninsular bighorn sheep habitat does not occur on Link 4.
SS-CM-25: Fund a 10-year monitoring program of bighorn sheep behavior, movement, and dispersal.	This mitigation measure does not apply for the Link 4. Peninsular bighorn sheep habitat does not occur on Link 4.

Mitigation Measure and APM	Status
SS-CM-25: Fund biennial surveys to be conducted by CDFG.	This mitigation measure does not apply for the Link 4. Peninsular bighorn sheep habitat does not occur on Link 4.
V-01a: Screen construction sites if visible from public areas	This mitigation measure does not apply to Link 4. No substation construction or staging and material areas are included in the scope of work for Link 4. Final Construction Plans were submitted to the CPUC on June 8, 2010.
V-01a: Submit final construction plans 60 days prior to construction	This mitigation measure does not apply to Link 4. No substation construction or staging and material areas are included in the scope of work for Link 4. Final Construction Plans were submitted to the CPUC on June 8, 2010.
V-01b: Design and install lighting to avoid night lighting impacts	No construction and storage yards and staging areas and fly yards are included in the scope of work for Link 4 and therefore this mitigation measure is not applicable. Final Construction Plans were submitted to the CPUC on June 8, 2010.
V-01b: Submit a Construction Lighting Mitigation Plan 90 days prior to construction	No construction and storage yards and staging areas and fly yards are included in the scope of work for Link 4 and therefore this mitigation measure is not applicable. Final Construction Plans were submitted to the CPUC on June 8, 2010.
V-02a: Construct access and spur roads at appropriate angles	The pre-construction component of this mitigation measure is complete. Final Construction Plans have been submitted to the CPUC on June 8, 2010. Access roads along Link 4 are existing paved or unpaved roads. Existing access roads will be improved and used subsequently for O&M activities along the eastern and western end of Link 4 and will comply with this measure.
V-02a: Consult with visual resources specialist to evaluate access road visibility prior to final design	The pre-construction component of this mitigation measure is complete. Final Construction Plans have been submitted to the CPUC on June 8, 2010. Access roads along Link 4 are existing paved or unpaved roads. Existing access roads will be improved and used subsequently for O&M activities along the eastern and western end of Link 4 and will comply with this measure. Michael Clayton, the CPUC visual resource specialist, met with SDG&E May 21, 2010 to discuss road information, these changes were incorporated into the PMR.
V-02a: Submit table 60 days prior to construction	The pre-construction component of this mitigation measure is complete. Final Construction Plans have been submitted to the CPUC on June 8, 2010. Access roads along Link 4 are existing paved or unpaved roads. Existing access roads will be improved and used subsequently for O&M activities along the eastern and western end of Link 4 and will comply with this measure. Michael Clayton, the CPUC visual resource specialist, met with SDG&E May 21, 2010 to discuss road information, these changes were incorporated into the PMR.
V-02a: Submit final construction 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 in-line views of land scars. Final Construction Design Plans have been submitted to the CPUC on June 8, 2010.
V-02b: Create barriers for public access if opened as a construction route	This mitigation measure is not applicable for Link 4 NTP. No new gate installation will occur on public access roads. Existing access roads will be improved and used subsequently for O&M activities along the eastern and western end of Link 4. These access roads are located on private driveways.
V-02b: Submit final construction and restoration plans 60 days prior to construction	Final construction plans were submitted to CPUC on June 8, 2010. The Restoration Plan for Sensitive Vegetation was submitted to CPUC on September 24, 2010. No impacts to sensitive vegetation communities will occur on Link 4 prior to approval of the restoration plan.
V-02c: Treat disturbed soils visible from sensitive public viewing locations	This mitigation measure will be implemented during construction as necessary.
V-02c: 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 color contrast of land scars on non-Forest lands. Final Construction Design Plans have been submitted for review and approval to the CPUC on June 8, 2010.
V-66a: Reconsider the location of transition structures	According to an email dated October 6, 2010 from Michael Clayton, CPUC's visual resources consultant, the relocation of the Chocolate Canyon transition cable poles as shown in the April 30, 2010 Mapbook demonstrates compliance with the requirements of V-66a.

Mitigation Measure and APM	Status
V-66a: Submit memo and final construction plans 120 days prior to construction	The April 30, 2010 Mapbook illustrates changes to the final design of the alignment incorporating the fine-tuning of the transition structures to reduce structural prominence. The Mapbook was submitted to the CPUC on May 14, 2010. Final Construction Design Plans were submitted to the CPUC on June 8, 2010. SDG&E submitted a memo to the CPUC documenting compliance with this mitigation measure on October 1, 2010 and approved on October 6, 2010.
VR-APM-01: Place structures at maximum distance from crossings	The pre-construction component of this mitigation measure is complete. 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. The Mapbook was submitted to the CPUC on May 14, 2010. Where the underground crosses Interstate 8 in Alpine, no structures will visually impact the crossing. The alignment crosses the highway via underground conduits at this point. Cable Poles were sited at the maximum possible distance. On the east end of Link 4 cable poles are located approximately 1,750 feet from Interstate 8. Cable Poles on the west end of Link 4 are located approximately 980 feet from Interstate 8.
VR-APM-04: Do not paint or discolor rocks or vegetation	The SWEAP video was approved by the CPUC on March 15, 2010. The SWEAP video will be shown to all project personnel prior to construction and enforced throughout all phases of the Project. The video includes instructions prohibiting application of paint or permanent discoloring agents on rocks or vegetation to indicate survey or construction limits.
VR-APM-05: Do not install structures in front or in line-of-sight of residences	The two transition structures are not within line-of-sight of a residence and the remaining portion of Link 4 is located underground. SDG&E did not install 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. A revised Mapbook and PMR were submitted to CPUC on May 14, 2010.
L-01a: Submit Construction Notification Plan 45 days prior to construction	The Construction Notification Plan was approved by the CPUC on March 1, 2010.
L-01a: Mail a public notice 15 days prior to construction	The Construction Notification Plan that was approved by the CPUC on March 1, 2010 addresses mailing public notifications. Proof of Notification will be submitted to CPUC prior to start of construction.
L-01a: Advertise in newspapers and bulletins 15 days prior to construction	The Construction Notification Plan that was approved by the CPUC on March 1, 2010 addresses newspaper advertisement notifications. Proof of Notification will be submitted to CPUC prior to start of construction.
L-01a: Post notices of construction at public venues 30 days prior to construction	The Construction Notification Plan that was approved by the CPUC on March 1, 2010 addresses posting of notices of construction at public venues. Proof of Notification will be submitted to CPUC prior to start of construction.
L-01a: Provide a public liaison person and toll-free hotline number before and during construction	The Construction Notification Plan identifies the public liaison person assigned to the project and the toll-free hotline. The Plan was approved by the CPUC on March 1, 2010.
L-02b: Notify landowners 90 days prior to completing final design of route	A memorandum submitted to CPUC on October 5, 2010 summarizes the landowner notification process. All landowners have been notified within 1000 feet of the project alignment. Landowners not directly affected by project facilities were sent a letter through certified mail in spring 2009 and given the opportunity to request changes. Landowners already in easement acquisition negotiations were notified through the acquisition process and provided the opportunity to request changes. The results of these landowner notifications are summarized in the L-2b memorandum dated, October 5, 2010 and in the Project Modification Report and Mapbook.
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.
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 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.

Mitigation Measure and APM	Status
L-02b: Provide written report within 30 days of the public notice closing date for responses	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. The results of these landowner notifications are summarized in the L-2b memorandum dated, October 5, 2010 and in the Project Modification Report and Mapbook.
L-02b: Develop specific reroute modifications	The modifications identified in this measure are illustrated in the April 30, 2010 Mapbook and discussed briefly in the the Project Modification Report submitted to the CPUC on May 14, 2010. The underground construction and associated access road have been shifted west off of Star Valley road onto private property owned by Richard Loritz.
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-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	Alpine Boulevard crosses an existing creek via box culverts to protect erosion and scour from flooding and drainage. Duct bank installation will cross via a bridge attachment underneath an existing creek. Duct banks will match existing decks and not impact flood control capacity. SDG&E initially coordinated with the County to discuss these conflicts and mitigative construction methods on October 7, 2009 and continues to meet with them.
LU-APM-06: Restrict and confine activity within limits of construction	The pre-construction component of this mitigation measure is complete. The limits of construction activities have been determined, with activity restricted to and confined within those limits. Final construction plans have been submitted to the CPUC on June 8, 2010. This mitigation measure will be implemented during construction. Construction activities will be limited to the width of the County right-of-way along Alpine Boulevard for trenching. At the two jack and bore locations construction areas will also be located within the County right-of-way or within granted areas as prescribed by the appropriate permits.
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	This mitigation measure is not applicable to the Link 4 NTP. Construction of the underground link does not include the installation of project facilities on bordering private property, open space parks, or recreation areas. SDG&E has entered into a contractual agreement with the two private property owners affected.
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	A traffic control permit has been issued by the County of San Diego Department of Public Works and was submitted to the CPUC on September 17, 2010. No other ministerial permits will be required for this work.
R-APM-02a: Provide advance notice if restrictions in access routes to recreational use areas	Link 4 does not cross through any recreational areas, nor will construction activities in this area result in impacts to nearby areas; therefore this mitigation measure does not apply.
R-APM-02b: No construction on federal holidays that affects trail use	Link 4 does not cross through any recreational areas. Construction along Link 4 does occur near the California Riding and Hiking Trail. This measure will be implemented during construction.

Mitigation Measure and APM	Status
R-APM-02c: Coordinate construction activities affecting parkland and trails prior to construction	SDG&E met with Maryanne Vancio, San Diego County Trails Program Coordinator, on September 21, 2010 to coordinate construction activity impacts to a riding trail that is adjacent to Alpine Boulevard. Construction of Link 4 will not occur on the trail. Signs will be posted at either end of the trail along Alpine Boulevard to notify users of construction activities.
R-APM-02d: Post signs at alternative park access and parking	Link 4 does not cross through any recreational areas, nor will construction activities in this area result in impacts to nearby areas; therefore this mitigation measure does not apply.
R-APM-02e: Post signs at alternative trails and bikeways	Link 4 does not cross through any recreational areas, nor will construction activities in this area result in impacts to nearby areas; therefore this mitigation measure does not apply.
R-APM-02f: Post signs at equestrian trails during helicopter construction	Helicopter construction will not occur for Link 4; therefore this mitigation measure does not apply for this NTP.
R-APM-02f: Regularly check and maintain signs	Helicopter construction will not occur for Link 4; therefore this mitigation measure does not apply for this NTP.
WR-01a: Coordinate construction activities and schedule 60 days prior to construction	SDG&E met with MaryAnne Vancio, San Diego County Trails Program Coordinator, on September 21, 2010 to coordinate construction activity impacts to a portion of the California Riding and Hiking Trail adjacent to Link 4. No impacts will occur to the trail. A memo dated October 1, 2010 documents this coordination effort. (See R-APM-2c)
WR-01a: Submit documentation of coordination 30 days prior to construction	See WR-01a and R-APM-2c
WR-01b: Coordinate temporary detours of trails 60 days prior to construction	See WR-01a and R-APM-2c
WR-01b: Site new trail segments to avoid sensitive resources and restore to pre-construction conditions	Link 4 does not cross through the recreational areas identified in this mitigation measure; therefore, this mitigation measure does not apply.
WR-01b: Post public notices at trail detours	No trail closures or detours are required on Link 4; therefore this mitigation measure does not apply.
WR-01c: Coordinate alternative recreation facilities 60 days prior to construction	See WR-01a and R-APM-2c
WR-01c: Post public notices at recreation facilities	SDG&E has coordinated with MaryAnne Vancio, San Diego County Trails Program Coordinator. SDG&E shall post signs at each end of the trail impacted by construction of Link 4. (See WR-01a and R-APM-2c)
WR-01c: Submit documentation of coordination 30 days prior to construction	Link 4 does not cross through any recreational areas, nor will construction activities in this area result in impacts to nearby areas; therefore this mitigation measure does not apply to Link 4.
WR-02a: Relocate 500kV line along southern boundary of JAM properties	The JAM property is not located on Link 4; therefore this mitigation measure does not apply.
WR-02a: Submit memo and construction plans 120 days prior to construction	The BCD Alternative does not occur on Link 4; therefore this mitigation measure does not apply..
WR-03a: Coordinate to determine locations of tower sites and spur roads	See WR-1a and R-APM-2c
WR-03a: Coordinate 60 days prior to construction and submit documentation 30 days prior to construction	See WR-01a and R-APM-2c
AG-01a: Coordinate with property owners and tenants 60 days prior to construction	No agricultural operations will be affected by construction of Link 4; therefore, this measure is not applicable.
AG-01c: Coordinate with grazing operators 60 days prior to construction and 30 days after construction	There are no grazing operations located along Link 4; therefore this mitigation is not applicable.

Mitigation Measure and APM	Status
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. These areas are not located along Link 4, therefore, this measure is not applicable.
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. These areas are not located along Link 4, therefore, this measure is not applicable.
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 along Link 4 was surveyed prior to performance of cultural resource field surveys.
C-01b: Protect potential and register-eligible resources from direct project impacts	The Project Modification Report and Mapbook submitted on May 14, 2010 and approved by the CPUC and BLM through a Determination Memorandum on September 22, 2010 illustrates that the final design of the alignment incorporates changes to avoid impacts to potentially register-eligible and register eligible resources based on preliminary National Register of Historic Places and consultation with the SHPO. 28 sites have been identified where impacts cannot be avoided. None of these sites will be impacted by construction on Link 4. A Final Class III Inventory was approved by the CPUC and BLM on June 2, 2010.
C-01b: Undertake additional studies if resources cannot be protected from direct impacts	28 sites have been identified where impacts can't be avoided. Where potentially NRHP- and/or CRHR-eligible cultural resources cannot be protected or avoided, additional studies will take place and further recommendation for mitigative treatment will be made. An evaluation report will be developed and submitted of this effort when available. None of these sites will be impacted by construction on Link 4.
C-01b: Incorporate results of studies in HPTP	28 sites have been identified where impacts can't be avoided. Where potentially NRHP- and/or CRHR-eligible cultural resources cannot be protected or avoided, additional studies will take place and further recommendation for mitigative treatment will be made. An evaluation report will be developed and submitted of this effort when available. None of these sites will be impacted by construction on Link 4; therefore the Historic Properties Treatment Plan (HPTP) is not required for Link 4 and this mitigation measure is not applicable. (See C-1b Task 1)
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 cultural monitors during construction and observations will be summarized and submitted to the CPUC in the weekly report.
C-01b: Erect protective flagging or other markers for ESA	Protective fencing and markers will be used to designate the area as an ESA. These ESAs will be monitored by cultural Monitors during construction and observations will be summarized and submitted to the CPUC in the weekly report.
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. Monitoring will be implemented during construction.
C-01c: Submit Historic Properties Treatment Plan	28 sites have been identified where impacts to potentially NRHP- and/or CRHR-eligible cultural resources cannot be protected or avoided. Additional studies will take place at these sites and further recommendation for mitigative treatment will be made. An evaluation report will be developed and submitted of this effort when available. None of these sites will be impacted by construction on Link 4; therefore a Historic Properties Treatment Plan (HPTP) is not required and this mitigation measure is not applicable. (See C-1b Task 1)
C-01d: Conduct data recovery investigations to reduce adverse effects	28 sites have been identified where potentially NRHP- and/or CRHR-eligible cultural resources cannot be protected or avoided, additional studies will take place and further recommendation for mitigative treatment will be made. An evaluation report will be developed and submitted of this effort when available. None of these sites will be impacted by construction on Link 4; therefore a Historic Properties Treatment Plan (HPTP) is not needed for Link 4. This mitigation measure is not applicable.

Mitigation Measure and APM	Status
C-01d: Submit field closure report prior to construction within 100 feet of affected resource	Data recovery is not required on Link 4.
C-01e: Implement archaeological monitoring at cultural ESAs	This mitigation measure will be fulfilled during construction as described in the approved HPMP.
C-01e: Qualification of archaeologists must be approved	The qualifications of the principal archaeologist and archaeological monitors were submitted to the BLM and CPUC for approval on July 20, 2010. Cultural Monitor Resumes have been approved by the BLM on September 30, 2010. Only monitors approved by the CPUC and BLM will work on the Project. A list of all approved monitors will be updated throughout the project.
C-01e: Retain and schedule any required Native American monitoring	A Historic Properties Management Plan (HPMP) was approved by the CPUC and BLM on July 15, 2010 and includes locations where Native American monitoring will be required. Native American monitors will not be required on Link 4.
C-01e: Submit cultural resources monitoring monthly reports during construction	This mitigation measure will be implemented during construction pursuant to the approved HPMP.
C-01e: Notify if any damage to cultural resource ESAs and divert work to a buffer distance	This mitigation measure will be implemented during construction pursuant to the approved HPMP.
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-01g: Avoid impacts to Old Highway 80	Final construction plans showing implementation of avoidance techniques to retain integrity along the UG section of Alpine Boulevard (also known as Old Highway 80) were submitted on June 8, 2010 to the CPUC for review. The Historic Properties Management Plan was approved on July 15, 2010. Cultural monitors will be on-site during ground disturbing activities. This will be documented in the weekly monitoring report.
C-01g: Formally evaluate segments that are affected by construction impacts	Final construction plans showing implementation of avoidance techniques to retain integrity along the UG section of Alpine Boulevard (also known as Old Highway 80) were submitted on June 8, 2010 to the CPUC for review. The Historic Properties Management Plan was approved on July 15, 2010.
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 held with the BLM. No known locations of Native American remains occur along Link 4.
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.
C-02a: Assist and support MLD with reinterment location	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.
C-02a: Follow laws that govern treatment of human remains	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.
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.
C-02a: Divert work if human remains are discovered and inform officer	SDG&E has avoided direct impacts to known locations of Native American human remains and will continue to avoid direct impacts to Native American human remains. This mitigation measure will be fulfilled during construction.
C-03a: Implement archaeological monitoring	A Historic Properties Management Plan was approved by the CPUC on July 15, 2010 and identifies monitoring needs. Monitors will be on-site during subsurface construction disturbance at all locations identified in the Class III Inventory and Management Plan as sensitive. Monitoring observations will be summarized and submitted to the CPUC in the weekly report.

Mitigation Measure and APM	Status
C-03a: Divert work if buried cultural material discovered and notify archaeologist	This mitigation measure will be fulfilled during construction.
C-04a: Assist and support BLM in consultations with Native Americans to asses impacts	Government-to-government consultations have been ongoing. Records of consultations are being held with the BLM.
C-04a: Submit documentation of all pre-construction actions 30 days prior to construction	Written documentation of the completion of all pre-construction consultation actions completed to date was included in the HPMP, approved on July 15, 2010, 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.
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	A Historic Properties Management Plan (HPMP) was approved by the CPUC on July 15, 2010 and addresses avoidance of archeological sites that are eligible or potentially eligible for the National Register. No archeological sites identified will be impacted by construction along Link 4.
CR-APM-02: Implement impact avoidance and APMs during construction	A Historic Properties Management Plan (HPMP) was approved by the CPUC on July 15, 2010 and addresses avoidance of archeological sites that are eligible or potentially eligible for the National Register. 28 sites have been identified where potentially NRHP- and/or CRHR-eligible cultural resources cannot be protected or avoided, additional studies will take place and further recommendation for mitigative treatment will be made. An evaluation report will be developed and submitted of this effort when available. No archeological sites identified will be impacted by construction along Link 4; therefore a Historic Properties Treatment Plan (HPTP) is not needed and this mitigation measure is not applicable.
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.
CR-APM-03: Evaluate the discovered resource and determine appropriate actions.	This mitigation measure will be fulfilled during construction.
CR-APM-03: Develop a treatment plan to mitigate impacts	This mitigation measure will be fulfilled during construction.
CR-APM-04: Conduct maintenance and other activities in conformance with national standards	This mitigation measure will be fulfilled during construction.
CR-APM-05: Follow guidelines for cultural resources	The Historic Properties Management Plan approved on July 15, 2010, incorporates the guidance provided in this measure. SDG&E will continue to comply with Cultural Resources mitigation measures as outlined in the MMCRP.
CR-APM-06: Avoid historic properties by fencing or barricading	A Historic Properties Management Plan (HPMP) was approved by the CPUC on July 15, 2010 and identifies historic properties along the Project route. Historic properties near Link 4 have been identified and will be avoided by restricting construction activities to the designated construction limits. Limits will be clearly marked and monitored during construction.

Mitigation Measure and APM	Status
CR-APM-06: Implement a plan if historic properties cannot be avoided	A Historic Properties Management Plan (HPMP) was approved by the CPUC on July 15, 2010 and identifies historic properties along the Project route. Historic properties near Link 4 have been identified and will be avoided.
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	The Historic Properties Management Plan (HPMP) approved by the CPUC on July 15, 2010, addresses protection measures to be implemented during construction.
CR-APM-07: Implement control measures to minimize vibration, dust, and fumes	The Historic Properties Management Plan (HPMP) approved by the CPUC on July 15, 2010, addresses protection measures to be implemented during construction.
CR-APM-07: Minimize deterioration to buildings and structures	The Historic Properties Management Plan (HPMP) approved by the CPUC on July 15, 2010, addresses protection measures to be implemented during construction.
CR-APM-07: Implement a plan if deterioration cannot be avoided	This will be addressed during construction, if required.
CR-APM-08: Avoid and protect landscaping essential to historic property	A Historic Properties Management Plan (HPMP) was approved by the CPUC on July 15, 2010 and addresses avoidance of archeological sites that are eligible or potentially eligible for the National Register. 28 sites have been identified where potentially NRHP- and/or CRHR-eligible cultural resources cannot be protected or avoided, and additional studies will take place and further recommendation for mitigative treatment will be made. An evaluation report will be developed and submitted of this effort when available. None of the sites identified will be impacted by construction along Link 4; therefore a Historic Properties Treatment Plan (HPTP) is not needed and this mitigation measure is not applicable. (See also C-1g)
CR-APM-08: Minimize intrusion to the historic setting	A Historic Properties Management Plan (HPMP) was approved by the CPUC on July 15, 2010 and addresses avoidance of archeological sites that are eligible or potentially eligible for the National Register. 28 sites have been identified where potentially NRHP- and/or CRHR-eligible cultural resources cannot be protected or avoided, and additional studies will take place and further recommendation for mitigative treatment will be made. An evaluation report will be developed and submitted of this effort when available. None of the sites identified will be impacted by construction along Link 4; therefore a Historic Properties Treatment Plan (HPTP) is not needed and this mitigation measure is not applicable. (See also C-1g)
CR-APM-09: Restrict construction and operation access	This mitigation measure will be fulfilled during construction requirement.
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	This mitigation measure will be implemented during construction.
CR-APM-11: Implement standard practices on private land	A memo was submitted to the CPUC on September 13, 2010 documenting compliance with this mitigation measure.
CR-APM-12: Conduct cultural surveys for staging areas not yet identified	This mitigation measure is not applicable to Link 4. No additional staging areas are anticipated on Link 4.
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.
N-01a: Obtain a variance for night construction or 200 feet from sensitive receptors 45 days prior to construction	SDG&E shall limit construction activities to working hours as issued by the County of San Diego in their Traffic Control permit (Permit number 0910-77). Should construction activities need to occur outside these hours, SDG&E shall apply for a variance as outlined in this mitigation measure.

Mitigation Measure and APM	Status
N-01a: Employ noise suppression techniques	This mitigation measure will be fulfilled during construction; therefore, it is not applicable as a pre-construction requirement.
N-02a: Manage blasting with a plan for each site 45 days prior to construction	Blasting is not anticipated on Link 4, however, if blasting is deemed necessary during construction, SDG&E will comply with this measure as defined and prepare a location specific blasting plan will be submitted.
N-02a: Restore damaged structure and compensate owner	This mitigation measure is not applicable for the Link 4 NTP. Blasting is not a construction method to be implemented during construction along Link 4.
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. The preconstruction part is complete for this mitigation measure.
NOI-APM-01: Provide a public liaison person before and during construction.	The Construction Notification Plan identifies a public liaison person that can 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	This mitigation measure will be implemented during construction. SDG&E will follow working hours as issued by the County of San Diego.
T-04a: Provide temporary pedestrian access	This mitigation measure will be implemented during construction.
T-04a: Provide detours and signs for bike route closures	This mitigation measure will be implemented during construction.
T-05a: Coordinate road repairs with public agencies	This mitigation measure will be implemented post construction.
T-05a: Protect drainage structures and incorporate measures into access agreement/easement	SDG&E has submitted final construction plans on June 8, 2010. These plans show avoidance and minimization of impacts to roadside drainage structures. This mitigation measure 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. Should parking spaces be eliminated or relocated as part of construction of the Link 4, SDG&E will post "No Parking" signs 48 hours in advance to notify the public of the potential short-term elimination of parking spaces. This will be implemented during construction.
T-09a: Prepare a Construction Transportation Management Plan	A project-wide Traffic Study was submitted on April 28, 2010 and approved by San Diego County on September 29, 2010. The Study revealed that there is only one area, Highway 67 on Link 5, where a CTMP will be required. A project-wide Traffic Study was completed on March 3, 2010. A Traffic Control Plan has been developed and submitted to the County of San Diego for approval. The Traffic Control Permit was issued by the County of San Diego (Permit number 0910-77) which addresses traffic and transportation issues related to the construction of the 230 kV underground portion of the Sunrise Powerlink.
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 and other agencies regarding the location of new transmission lines and towers on December 17, 2009, February 8, 2010, and April 20, 2010. Transition poles on the west end of Link 4 were moved further down slope in an effort to reduce impacts to the flight path of federal helicopters in the area.
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	A Traffic Control Permit was issued by the County of San Diego (Permit number 0910-77) on September 17, 2010 and submitted to the CPUC on September 24, 2010.

Mitigation Measure and APM	Status
T-APM-02b: Submit Detour Plans	A Traffic Control Permit was issued by the County of San Diego (Permit number 0910-77) on September 17, 2010 and addresses detours. This permit was submitted to the CPUC on September 24, 2010.
T-APM-02b: Right-of-Entry permit required for construction and maintenance activities outside of easements	This mitigation measure does not apply to Link 4. No project activities will occur within ABDSP.
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 has coordinated with emergency service providers on February 2, 2010, February 17, 2010, and August 18, 2010. A project-wide Traffic Study was completed on March 3, 2010. A Traffic Control Permit was issued by the County of San Diego (Permit number 0910-77) on September 17, 2010 and addresses emergency vehicle access. This permit was submitted to the CPUC on September 24, 2010.
T-APM-04a: Notify cities and counties regarding construction activities	SDG&E has met with the respective emergency services including Alpine Fire, County Sherriff, Viejas Fire, CDF and Lakeside Fire. 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 met with the Alpine Unified School District regarding impacts to school bus stops along Alpine Boulevard on August 26, 2010 at 1:00 p.m. at the Alpine School District Office. Attendees included Tom Pellegrino, Superintendent, Rob Turner, Business Manager, and David Ragsdale, Director of Transportation.
T-APM-05a: Consult with transit authorities 1 month prior to construction	SDG&E has coordinated with the Metropolitan Transit System to reduce potential interruption of transit services as a result of construction along Link 4 on September 2, 2010. Attendees included Mike Daney and Devin Braun.
T-APM-06b: Parking in San Diego County shall comply with County regulations and per an approved traffic control plan	A Traffic Control Permit was issued by the County of San Diego (Permit number 0910-77) on September 17, 2010 and addresses parking on San Diego County-maintained roads. This permit was submitted to the CPUC on September 24, 2010. This measure will be satisfied during construction.
T-APM-09a: Underground utility facilities within 1,000 feet of an Officially Designated Scenic Highway	This mitigation measure is not applicable to the Link 4 NTP. There are no new or relocated utility facilities within 1,000 feet of an Officially Designated Scenic Highway.
T-APM-10a: Ensure continuous access to properties	A Traffic Control Permit was issued by the County of San Diego (Permit number 0910-77) on September 17, 2010 and addresses laying down of temporary steel plate trench bridge. This permit was submitted to the CPUC on September 24, 2010. This mitigation measure will be implemented during construction and is not applicable as a pre-construction mitigation measure.
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. The HMBP, SWPPP and SPCC Plan are provided as Appendices to the HazCom Plan.

Mitigation Measure and APM	Status
HS-APM-05: Investigate impacts of all contaminated sites	<p>A Phase 1 Environmental Site Assessment was submitted to the CPUC for review on August 28, 2009 and SDG&Es final response to comments was submitted on December 16, 2009. Two intersections along Alpine Boulevard, developed with a pair of adjoining service stations, have documented releases. Document Link: http://www.cpuc.ca.gov/environment/info/aspen/sunrise/otherdocs/ESA_Addendum_3_120309.pdf</p> <p>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. Document Link: http://www.cpuc.ca.gov/environment/info/aspen/sunrise/otherdocs/ESA_Addendum_3_120309.pdf</p>
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	<p>A memo was submitted to the CPUC and Aspen documenting compliance with Mitigation Measure HS-APM-9, Task 1, on September 10, 2010.</p> <p>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.</p>
HS-APM-10: Store and dispose of hazardous waste per regulations	If hazardous wastes are generated, they will be properly disposed of and stored in accordance with all applicable federal and state regulations. Hazardous material minimization measures shall be employed whenever possible.
HS-APM-11: Develop Fire Prevention and Response Plan	The Fire Plan, signed by the CAL Fire Chief, was approved by the CPUC on February 2, 2010.
HS-APM-11: Assign Fire Marshal to enforce fire prevention provisions	The Fire Plan, signed by the CAL Fire Chief, was approved by the CPUC on February 2, 2010 and a project Fire Marshall has been hired onto the project and is assigned to enforce the FPRP.
HS-APM-12: Develop a Traffic Control Plan	A Traffic Control Permit was issued by the County of San Diego (Permit number 0910-77) on September 17, 2010 and addresses emergency vehicle access. This permit was submitted to the CPUC on September 24, 2010.
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 pre-construction component of this mitigation measure has been completed. 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	Hazardous material spill kits will be kept and maintained in certain vehicles on the job-site.
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 mitigation measure will be implemented during construction.
P-03b: Submit report to agencies of contaminated soil within 30 days of laboratory data receipt	This mitigation measure will be implemented during construction.
P-07a: Implement steps 60 days prior to construction if excavation will occur	A Phase 1 Environmental Site Assessment was submitted to the CPUC for review on August 28, 2009 and SDG&Es final response to comments was submitted on December 16, 2009. Two intersections along Alpine Boulevard, developed with a pair of adjoining service stations, have documented releases. Document Link: http://www.cpuc.ca.gov/environment/info/asp/sunrise/otherdocs/ESA_Addendum_3_120309.pdf 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. Document Link: http://www.cpuc.ca.gov/environment/info/asp/sunrise/otherdocs/ESA_Addendum_3_120309.pdf
PS-01a: Limit conductor surface gradient	No conductor is being installed as part of the construction activities therefore this mitigation measure is not applicable.
PS-02a: Identify objects within and near ROW for induced voltages and implement electrical grounding	No objects with the potential for induced voltages have been identified; however, if during construction an object is identified SDG&E shall implement electrical grounding of metallic objects in accordance with SDG&E's standards.
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	The Construction Emission Monitoring Plan and Air Quality Mitigation Program was approved on January 26, 2010. This document provided updated NOx and PM calculations that show project-wide emissions below the applicability threshold for this measure, documented NOx emissions reduction credits obtained and addressed the funding of incentive programs. SDG&E has executed a MOU with Imperial County APCD regarding providing incentive funding for reducing emissions of PM10 and NOx throughout Imperial County and is pursuing the MOU with San Diego APCD in case emissions exceed the applicability thresholds during construction. Acknowledgement of compliance with this mitigation measure was issued by the CPUC on September 13, 2010. Construction-phase activities and emissions would be limited in accordance with the AQPMC (June 9, 2009) and the fuel use cap and other activity caps in the CEMP (January 21, 2010). The resultant emissions are expected to remain less than the federal General Conformity de minimis thresholds for the San Diego Air Basin. Mitigation Measure AQ-1h, which involves achieving emission reductions to levels below the federal thresholds, would be satisfied based upon these lower emissions.
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	Avoidance of Sulfur hexafluoride emissions does not apply to this site. Sulfur hexafluoride is only used in equipment that is installed in substations. Scope of work along Link 4 does not include substation construction and therefore this mitigation measure does not apply.
AQ-04c: Become a Partner in EPA's SF6 Partnership prior to construction.	Sulfur hexafluoride is only used in equipment that is installed in substations. Scope of work along Link 4 does not include substation construction and therefore this mitigation measure does not apply.
AQ-04c: Report SF6 emissions to CCAR	Sulfur hexafluoride is only used in equipment that is installed in substations. Scope of work along Link 4 does not include substation construction and therefore this mitigation measure does not apply.
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.

Mitigation Measure and APM	Status
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	This mitigation measure is not applicable for the Link 4 NTP. Work will not occur on United States Forest Service Lands.
H-01k: Confine vehicles to roads identified in a Road and Traffic Management Plan	This mitigation measure is not applicable for the Link 4 NTP. Work will not occur on United States Forest Service Lands.
H-01k: File an Erosion Control Measure Plan prior to construction	This mitigation measure is not applicable for the Link 4 NTP. Work will not occur on United States Forest Service Lands.
H-01k: Submit NEPA analysis prior to ground disturbing work	This mitigation measure is not applicable for the Link 4 NTP. Work will not occur on United States Forest Service Lands.
H-01k: Enter into a cost recovery agreement with the Forest Service	This mitigation measure is not applicable for the Link 4 NTP. Work will not occur on United States Forest Service Lands.
H-01k: File a Water Resources Management Plan within 6 months of license issuance	This mitigation measure is not applicable for the Link 4 NTP. Work will not occur on United States Forest Service Lands.
H-01k: File a plan for ground and surface water management within 1 year of license issuance	This mitigation measure is not applicable for the Link 4 NTP. Work will not occur on United States Forest Service Lands.
H-01l: Submit a site-specific sediment control plan and SWPPP prior to construction	This mitigation measure is not applicable for the Link 4 NTP. Work will not occur on United States Forest Service Lands.
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	No blasting is anticipated to occur as part of the construction of Link 4; therefore, this mitigation measure is not applicable.
H-06a: Determine which towers require scour protection during design phase	A Geotechnical Investigation Report for Link 4, Underground, was submitted to the CPUC for review on April 19, 2010 and was approved June 18, 2010. The final project design is based on the findings of this report. A Geotechnical Investigation Report for Link 4, Bauer Bridge Construction, was submitted to the CPUC and approved on September 30, 2010. The final project design is based on the findings of this report.
H-06a: Submit evaluation and design plans 60 prior to constructing towers	A Geotechnical Investigation Report for Link 4, Underground, was submitted to the CPUC for review on April 19, 2010 and was approved June 18, 2010. The final project design is based on the findings of this report. A Geotechnical Investigation Report for Link 4, Bauer Bridge Construction, was submitted to the CPUC and approved on September 30, 2010. The final project design is based on the findings of this report.
H-07a: Submit a Hazardous Substance Control and Emergency Response Plan 60 days prior to construction	A memo was submitted to the CPUC on Wednesday September 15, 2010 documenting compliance with this mitigation measure and Waste Discharge Identification numbers assigned by the California State Water Resources Control Board. SDG&E submitted a construction SWPPP which includes emergency response information to the CPUC on September 24, 2010.
H-08a: Submit design plans for burying line 60 days prior to construction	The I-8 Underground Segment of the transmission line crosses two existing creeks, Viejas Creek on the eastern end and Chocolate Canyon Creek near MP 95 on Alpine Blvd. An access road on the western end of Link 4 also crosses a tributary to Chocolate Canyon Creek. A Memorandum and Engineering Design drawings were sent to the CPUC on March 3, 2010 documenting compliance with this mitigation measure and was approved by the CPUC on August 4, 2010.

Mitigation Measure and APM	Status
WQ-APM-01: Minimize disturbance to water resources	Revised 401, 404 and 1602 permit applications were submitted for review and approval on March 30, 2010. SDG&E will not impact jurisdictional areas prior to providing the necessary mitigation as required as part of wetland permitting.
WQ-APM-02: Avoid sensitive water features	A memo was submitted to the CPUC and Aspen documenting compliance with Mitigation Measure WQ-APM-2, Task 1, on August 30, 2010.
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. Surface disturbing activities will not be allowed to begin until the site has been clearly marked, fenced or flagged to delineate those areas specifically allowed for use and those that are restricted when performed adjacent to these sites.
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	No stringing of conductor will occur as part of construction of Link 4.
WQ-APM-04: Prepare and implement erosion control BMPs per the SWPPP	The pre-construction component of this mitigation measure has been completed. A Notice of Intent was submitted to the State Water Resources Control Board on May 5, 2010. A Waste Discharge Identification Number (937C358170) was received on May 18, 2010. A SWPPP has been developed and was submitted to the CPUC on September 24, 2010. Qualified Stormwater monitors will be on-site during construction monitoring erosion control. This will be documented in the weekly monitoring report.
WQ-APM-04: Select upland pull sites to minimize disturbance to water resources	This mitigation measure does not apply to the Link 4 NTP. No pull sites will be included as part of this work.
WQ-APM-04: Do not place structures in streambeds or drainage channels	A memo was submitted to the CPUC and Aspen documenting compliance with Mitigation Measure WQ-APM-4, Task 6, on August 30, 2010. To the extent feasible, structures were not designed to be located within streambeds and drainage features. The locations of the structures are shown in the Project Modification Report Map Book, which was submitted to the CPUC on May 14, 2010.
WQ-APM-05: Construct stream crossings and develop a mitigation and restoration plan	The I-8 Underground Segment of the transmission line crosses two existing creeks on Alpine Blvd. Alpine Boulevard was constructed to cross the existing creek via concrete box culverts, with entrance slab and exit slab. The duct banks for both circuits will cross the existing creek via bridge attachment originally designed to meet scour and erosion protection. Engineering design calls for attaching the proposed duct banks on both sides of the existing bridge under an existing creek. The bottom of the duct bank will match existing deck, and there is no impact to flood control capacity. This design was reviewed and approved by the County of San Diego, Department of Public Work. A memorandum and Engineering Drawings were submitted to the CPUC on March 3, 2010 documenting compliance with this mitigation measure.
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.
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.

Mitigation Measure and APM	Status
WQ-APM-08: Contain and sample if dewatering and then release water according to test results	If ground water is encountered it will be handled according to federal, state and local regulations. Water will be pumped into either a tank truck or a baker tank and tested for proper disposal.
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	The I-8 Underground Segment of the transmission line crosses two existing creeks, Viejas Creek on the eastern end and Chocolate Canyon Creek near MP 95 on Alpine Blvd. An access road on the western end of Link 4 also crosses a tributary to Chocolate Canyon Creek. A Memorandum and Engineering Design drawings were sent to the CPUC on March 3, 2010 documenting compliance with this mitigation measure and was approved by the CPUC on August 4, 2010. Final construction plans have been submitted to the CPUC on June 8, 2010. This mitigation measure will be fulfilled during construction.
WQ-APM-11: Test groundwater levels with pilot borings along underground portion of project	Groundwater level information along Link 4 was addressed in the Geotechnical Investigation Report for Link 4, Underground, submitted to CPUC and approved on June 18, 2010. According to this report, no locations along Link 4 have groundwater at a depth of less than 8 feet below ground surface.
WQ-APM-11: Submit letter report with test drilling results	Groundwater level information along Link 4 was addressed in the Geotechnical Investigation Report for Link 4, Underground, submitted to CPUC and approved on June 18, 2010. According to this report, no locations along Link 4 have groundwater at a depth of less than 8 feet below ground surface.
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	A SWPPP has been developed and NPDES permits have been obtained. The SWPPP was submitted to the CPUC on September 24, 2010. The conditions of the permits and SWPPP will be implemented and enforced during the Project to prevent and avoid hydrologic impacts.
WQ-APM-15: Adjust route of access roads to avoid sensitive features	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	A Traffic Control Plan has been developed and submitted to the County of San Diego for approval. The Traffic Control Permit was issued by the County of San Diego (Permit number 0910-77) which addresses traffic and transportation issues related to the construction of the 230 kV underground portion of the Sunrise Powerlink including flagging of construction traffic routes. This mitigation measure will be implemented 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 Investigation Report for Link 4, Underground, was submitted to the CPUC for review on April 19, 2010 and was approved June 18, 2010. The final project design is based on the findings of this report. A Geotechnical Investigation Report for Link 4, Bauer Bridge Construction, was approved by the CPUC on September 30, 2010. The final project design is based on the findings of this report.

Mitigation Measure and APM	Status
G-04a: Submit site-specific seismic analyses 60 days prior to final project design	A Geotechnical Investigation Report for Link 4, Underground, was submitted to the CPUC for review on March 10, 2010 and was approved June 18, 2010. The final project design is based on the findings of this report. A Geotechnical Investigation Report for Link 4, Bauer Bridge Construction, was approved by the CPUC on September 30, 2010. The final project design is based on the findings of this report.
G-04b: Submit liquefaction studies 60 days prior to final project design	A Geotechnical Investigation Report for Link 4, Underground, was submitted to the CPUC for review on April 19, 2010 and was approved June 18, 2010. The final project design is based on the findings of this report. A Geotechnical Investigation Report for Link 4, Bauer Bridge Construction, was approved by the CPUC on September 30, 2010. The final project design is based on the findings of this report.
G-06a: Submit slope stability analyses 60 days prior to construction	Geotechnical studies were performed for Link 4. The geotechnical report was submitted to the CPUC on April 19, 2010 and approved on June 18, 2010. The geotechnical report addresses structure placement avoidance in areas of high shrink/swell potential. These reports included slope stability analyses as described in this measure. The final project design is based on the findings of these reports. A Geotechnical Investigation Report for Link 4, Bauer Bridge Construction, was approved by the CPUC on September 30, 2010. The final project design is based on the findings of this report.
GEO-APM-01: No widening or grading of existing access roads if soil is sensitive to disturbance	The FEIR/EIS identified sensitive soils as "natural sand sources that supply the material for sand dune systems throughout the [ABDSP]. The project no longer impacts ABDSP and there are no sand dune systems along the project route; therefore, this mitigation measure does not apply.
GEO-APM-02: Minimize soil disturbance or return to pre-construction contours and condition	This mitigation measure will be 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" dated October 16, 2009 was submitted to CPUC for review and approval on is April 19, 2010. No areas of high shrink/swell were identified in the report; therefore, this measure does not apply.
GEO-APM-04: Place structures in geologically stable areas	A Geotechnical Investigation Report for Link 4, Underground, was submitted to the CPUC for review on March 10, 2010 and was approved June 18, 2010. The geotechnical report addresses structure placement avoidance in areas of high shrink/swell potential. A Geotechnical Investigation Report for Link 4, Bauer Bridge Construction, was approved by the CPUC on September 30, 2010. The final project design is based on the findings of this report.
GEO-APM-05: Implement construction to avoid or minimize new soil disturbance	The pre-construction portion of this measure is complete. Project construction activities are designed to avoid or minimize new disturbance, erosion on manufactured slopes, and off-site degradation from accelerated sedimentation. During construction, impacts from accelerated sedimentation will also be minimized. Final Construction Design Plans have been submitted to the CPUC on June 8, 2010.
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 measures and restoration efforts to control erosion at disturbed locations are covered under the Storm Water Pollution Prevention Plan. A SWPPP was submitted to CPUC on September 24, 2010. This will be implemented post construction.
GEO-APM-08: Remove or stabilize boulders and span structures over landslide areas	This mitigation measure is not applicable to Link 4. Construction along Link 4 will include underground transmission construction and erection of the cable poles at both ends of the Link. The cable poles are not downhill from boulders.
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.

Mitigation Measure and APM	Status
PSU-APM-01: Coordinate with utility providers	Coordination occurred with utility providers with underground facilities located along Alpine Boulevard. SDG&E met with Barb Hanagan of Golden State Utility company regarding Time Warner As-Built on September 17, 2007. SDG&E met with Rick Miller of Network Infrastructure Services regarding Level 3 Communications on November 7, 2007. SDG&E met with Dave Williams and Mark Perrett of the County of San Diego regarding sewer conflicts on January 19 and May 11, 2010. SDG&E met with Courtney Mael, Dan Black, and R Bier of Padre Dam Water Authority on January 20 and August 5, 2010. SDG&E met with Mark Perrett of the County of San Diego regarding Alpine Sanitation District Sewer System Upgrades on July 22, 2010.
PSU-APM-02: Notify USA 48 hours prior to earth-disturbing activities	This mitigation measure will be implemented.
PSU-APM-03: Minimize disruption to response times and access for emergency and police services	A Traffic Control Permit was issued by the County of San Diego (Permit number 0910-77) on September 17, 2010 and addresses emergency vehicle access, lane closures, and other construction activities. This permit was submitted to the CPUC on September 24, 2010. This mitigation measure will be implemented during construction.
S-02a: Provide copies of posted public notices of planned outages	This mitigation measure will be implemented during construction. Copies of notices and dates of public notification shall be provided to the CPUC and BLM.
S-02b: Submit documentation prior to construction of the underground transmission line	The Project Modification Report discusses changes to the final design of the alignment and incorporates avoidance underground utilities. Final construction plans demonstrating compliance this measure were submitted to the CPUC on June 8, 2010.
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	Limited water will be used for construction activities on Link 4. SDG&E will continue its coordination efforts to obtain approval to use reclaimed water on the project. Potable water will be used as needed on Link 4 until such approval is received.
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 CAL FIRE 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 CAL FIRE 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	A Traffic Impact Analysis was performed and incorporates coordination of construction schedules, lane closures, and other activities with installation of the project with emergency and police services to ensure that disruption to response times and access is minimized. A Traffic Control Permit was issued by the County of San Diego (Permit number 0910-77) on September 17, 2010 and addresses emergency vehicle access. This permit was submitted to the CPUC on September 24, 2010. This will be implemented during construction.
F-01c: Coordinate fire suppression activities and unobstruct access roads at all times	This mitigation measure will be implemented during construction.
F-01c: Cease construction in work areas if fire within 1,000 feet	This mitigation measure will be implemented during construction.
F-01c: Contact dispatch centers 2 days prior to helicopter use	This mitigation measure will be implemented during construction.

Location: Link 4

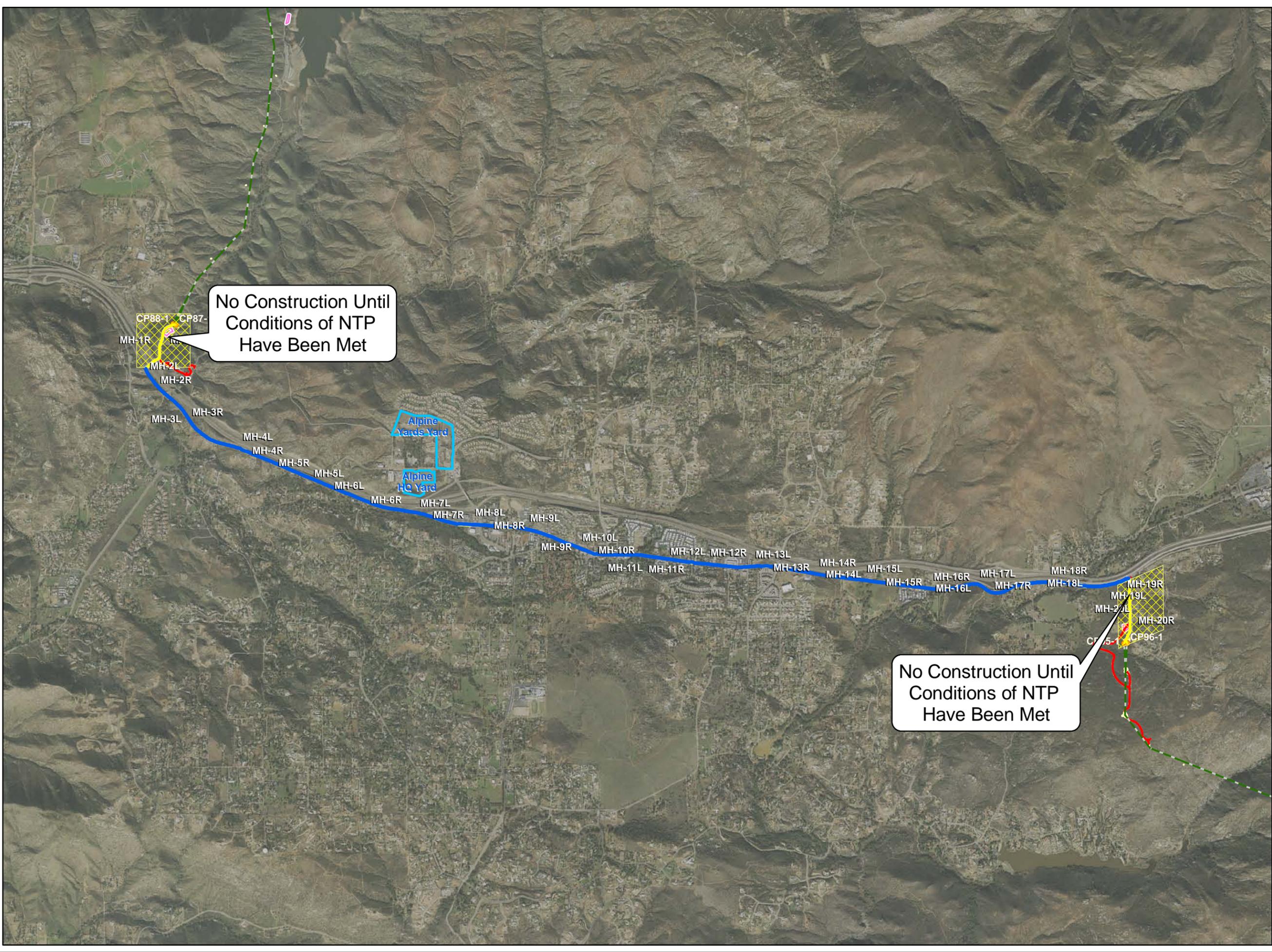
Mitigation Measure and APM	Status
F-01d: Clear and spread onsite dead and decaying vegetation prior to construction and maintenance	SDG&E will clear dead and decaying vegetation from the work area prior to starting construction and/or maintenance work. Clearing of dead and decaying vegetation will be monitored during construction and observations will be summarized and submitted to the CPUC in the weekly report. This will be implemented during construction.

ATTACHMENT B

Legend

-  Cable Poles
-  Alpine Blvd. Portion of UG Alignment
-  Sunrise 230kV Overhead
-  New Road - Proposed
-  Road Construction, Permanent Impact
-  Grading Limits
-  No Construction Until Conditions of NTP Have Been Met

**Sunrise PowerLink
230 KV
Underground
Alignment**



No Construction Until
Conditions of NTP
Have Been Met

No Construction Until
Conditions of NTP
Have Been Met