

APPENDIX D

Post-Construction Mitigation Measures Tracking Table

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POST-CONSTRUCTION MITIGATION MEASURES TRACKING TABLE

Table D-1 Post-Construction Mitigation Measures and APMs

Category	Measure Requirement/Application
APM/Mitigation Measure Title	Mitigation Measure Aesthetics-2: Retaining Wall Screening
Measure Text	Vegetation planted in the retaining walls shall be maintained and watered as needed until plant material is established. Plants that die shall be replaced with similar specimens. SDG&E shall monitor the vegetation planted in the retaining wall pockets for three years or until plants are fully established.
Location	Retaining walls
Monitoring/Reporting Action	Verify that vegetation is maintained and any plants that die are replaced with similar plants. Monitoring reports are submitted to CPUC for 3 years or until plants are fully established.
Effectiveness Criteria	Vegetation is maintained to visually screen the retaining walls.
Status	
Review/Approval	
APM/Mitigation Measure Title	Mitigation Measure Aesthetics-4: Cable Pole Screening
Measure Text	Vegetation planted around the cable pole shall be maintained and watered as needed until plant material is established. Plants that die shall be replaced with similar specimens. SDG&E shall monitor the vegetation around the cable pole until all container plants are fully established.
Location	Plantings around cable poles
Monitoring/Reporting Action	Verify that cable pole screening vegetation is maintained and any plants that die are replaced with similar plants. Monitoring reports are submitted to CPUC annually until plants are fully established.
Effectiveness Criteria	Vegetation is maintained to visually screen the cable pole.
Status	
Review/Approval	
APM/Mitigation Measure Title	APM AES-2: Restore Temporarily Disturbed Areas
Measure Text	When Proposed Project construction has been completed, all temporarily disturbed terrain will be restored, to the extent practical, to approximate preconstruction conditions while maintaining adequately safe work areas for operation and maintenance activities, as needed. Re-vegetation will be used, where appropriate (re-vegetation in certain areas is not possible due to vegetation management requirements related to fire safety) to re-establish a natural appearing landscape and reduce potential visual contrast between disturbed areas and the surrounding landscape. In addition, all construction materials and debris will be removed from the Proposed Project area and recycled or properly disposed of off-site.
Location	All areas of temporary disturbance

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Monitoring/Reporting Action	Verify construction materials have been removed from the project area and all areas of temporary disturbance have been restored.
Effectiveness Criteria	All work areas are maintained clean, and temporary disturbance areas are revegetated where appropriate to reduce visual contrast.
Status	
Review/Approval	
APM/Mitigation Measure Title	Mitigation Measure Biology-3: Weed Control Plan
Measure Text	<p>SDG&E shall prepare and implement a comprehensive, adaptive Weed Control Plan for pre-construction and long-term invasive, non-native species abatement. Developed land shall be excluded from weed control. Where SDG&E owns the property, the Weed Control Plan shall include specific weed abatement methods, practices, and treatment timing developed specifically for the Project area by qualified individuals with at least 5 years of weed control experience within San Diego County. The Weed Control Plan shall address control methods and issues controlling invasive non-native species within all vegetation communities and land cover types found along the Project alignment. On ROW easement on MCAS Miramar, the Weed Control Plan shall incorporate all appropriate and legal U.S. Marine Corps-stipulated regulations. The Weed Control Plan shall be submitted to MCAS Miramar for final authorization of weed control methods, practices, and timing prior to implementation of weed control on MCAS Miramar. The Weed Control Plan shall be submitted to the City of San Diego for final authorization of weed control methods, practices, and timing prior to implementation of any weed control within the City of San Diego MHPA.</p> <p>The Weed Control Plan shall include the following:</p> <ul style="list-style-type: none"> • A pre-construction weed inventory shall be conducted by surveying the entire ROW and areas immediately adjacent to the ROW where access permission is obtained, as well as at all ancillary facilities associated with the Project for weed populations that: (1) are considered by the San Diego County Agriculture Commissioner, MCAS Miramar (for ROW on MCAS Miramar), or City of San Diego (for ROW within the City of San Diego MHPA) as being a priority for control, (2) are weed populations that are rated High or Moderate for negative ecological impact in the California Invasive Plant Inventory (online) Database (Cal-IPC 2006 [and 2007 update]; http://www.cal-ipc.org/ip/inventory/index.php) or are weed species of concern to MCAS Miramar (for ROW on MCAS Miramar), and (3) aid and promote the spread of wildfires in San Diego County. Prolific wildfire promoting species such as brome grasses (<i>Bromus</i> sp.) shall be mapped but not targeted for control outside of Project impact areas. These populations shall be mapped and described according to density and area covered. These plant species shall be treated prior to construction or at a time when treatments would be most effective based on phenology according to control methods and practices for invasive weed populations included in the Weed Control Plan or required by MCAS Miramar or City of San Diego. • Weed control treatments shall include all legally permitted methods to be used in the following prioritized order: preventative, manual, mechanical, and chemical. All treatments shall be applied with the authorization of the, MCAS Miramar and City of San Diego as appropriate. The application

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	<p>of herbicides shall be in compliance with all state and federal laws and regulations under the prescription of a Pest Control Advisor (PCA) and implemented by a Licensed Qualified Applicator. Where manual and/or mechanical methods are used, disposal of the plant debris will be within an approved landfill area within San Diego County. The timing of the weed control treatment shall be determined for each plant species in consultation with the PCA for the Project, and with MCAS Miramar, and City of San Diego as appropriate, with the goal of controlling populations before they start producing seeds. For the lifespan of the project (i.e., as long as the project is physically present), long-term measures to control the introduction and spread of weeds in the project area shall be taken as follows.</p> <ul style="list-style-type: none"> - From the time construction begins until 2 years after construction is complete, annual surveying for new invasive weed populations and the monitoring of identified and treated populations shall be required in the survey areas described above. After this time, surveying for new invasive weed populations and monitoring of identified and treated populations shall be required at an interval of every two years. However, the treatment of weeds shall occur on a minimum annual basis, unless otherwise approved by the PCA, MCAS Miramar, and City of San Diego as appropriate. - During project construction and operation/maintenance, all seeds and straw materials shall be certified weed free, and all gravel and fill material shall also be certified weed free. - During project construction, vehicle and boot wash stations shall be provided.
Location	All areas of disturbance where weeds could establish
Monitoring/Reporting Action	SDG&E submits annual monitoring reports for 2 years after construction is complete. Verify that weeds are treated in accordance with the measure and approved plan.
Effectiveness Criteria	Weed populations are controlled to baseline levels.
Status	
Review/Approval	
APM/Mitigation Measure Title	Mitigation Measure Biology-6: Compensatory Mitigation for Impacts to Habitat
Measure Text	SDG&E shall restore temporarily impacted areas following construction according to the performance criteria described below and/or shall purchase/dedicate suitable habitat for preservation to off-set permanently impacted areas. Restoration of some vegetation communities in temporarily impacted areas may not be possible if those areas are subject to vegetation management to maintain proper clearance between transmission lines and vegetation, for example. In those instances, the mitigation shall consist of off-site acquisition and preservation of the vegetation community. Restoration of temporarily impacted areas involves recontouring the land, replacing the topsoil (if it was collected), planting seed and/or container stock, maintaining (i.e., weeding, replacement planting, supplemental watering, etc.), and monitoring the restored area for a period of 5 years or until year 5 success criteria are met.

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	SDG&E shall prepare a Habitat Restoration Plan that shall be subject to approval by the CPUC, USFWS, CDFW, City of San Diego (for restoration within City of San Diego MHPA), and MCAS Miramar (for restoration on MCAS Miramar) prior to habitat impacts. Required mitigation ratios are provided by habitat type in Table 4.1-10. In cases where the impacts to sensitive vegetation communities occur in the City of San Diego MHPA, the mitigation shall also occur in the MHPA. The Habitat Restoration Plan shall also identify, if applicable, the potential for reintroduction and/or increasing MSCP-covered species populations within habitat restoration areas if those covered species were affected by the Proposed Project.	
	Table 4.1-10 Required Habitat Mitigation Ratios	
		Mitigation Ratio
	Vegetation Community	Temporary Permanent¹
	Diegan Coastal Sage Scrub	
	Diegan coastal sage scrub	1:1 1:1
	Diegan coastal sage scrub in the MHPA	1:1 2:1
	Diegan coastal sage scrub-Disturbed	1:1 1:1
	Diegan coastal sage scrub-Disturbed in the MHPA	1:1 2:1
	Diegan coastal sage scrub-Revegetated	1:1 1:1
	Diegan coastal sage scrub-Revegetated in the MHPA	--- 2:1
	Coastal Sage Scrub	
	Coastal sage-chaparral scrub	0.5:1 1:1
	Coastal sage-chaparral scrub in the MHPA	1:1 2:1
	Chaparral	
	Chamise chaparral	0.5:1 1:1
	Chamise chaparral in the MHPA	1:1 2:1
	Chamise chaparral-disturbed	0.5:1 1:1
	Chamise chaparral-disturbed in the MHPA	1:1 2:1
	Scrub oak chaparral	1:1 1:1
	Scrub oak chaparral in the MHPA	2:1 2:1
	Southern mixed chaparral	0.5:1 1:1
	Southern mixed chaparral in the MHPA	1:1 2:1
	Southern mixed chaparral-disturbed	0.5:1 1:1

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Southern mixed chaparral-disturbed in the MHPA	1:1	2:1
Grassland		
Native grassland	1:1	1:1
Native grassland in the MHPA	2:1	2:1
Non-native grassland	0.5:1	1:1
Non-native grassland in the MHPA	---	2:1
Freshwater Marsh		
Freshwater marsh	---	1:1
Vernal Pool		
San Diego Mesa Vernal Pool	3:1	3:1
Riparian		
Southern riparian scrub	---	1:1
Mule fat scrub	---	1:1
Mulefat scrub in MHPA	---	2:1
Southern willow scrub	---	1:1
Southern willow scrub in MHPA	---	2:1
Tamarisk scrub in MHPA	---	2:1
Southern coast live oak riparian forest	---	1:1
Southern coast live oak riparian forest in MHPA	---	2:1
Note:		
¹ Mitigation ratios for permanent impacts are consistent with SDG&E's NCCP: 1:1 for permanent impacts outside a preserve and 2:1 for permanent impacts inside a preserve.		

The Restoration Plan shall include the following performance criteria:

- Percent cover and composition shall be similar to the conditions of a nearby reference site, defined as variation of no more than 10 percent absolute cover from the reference site cover and species composition condition.
- Maintenance and monitoring for restoration shall be for 5 years or until success criteria are met. Compensation planting areas shall be monitored eight times in Year 1, six times per year in Years 2 and 3, and 4 times per year in Years 4 and above.
- Compensation planting areas shall be monitored for invasive plants in the first 5 years following replanting. Invasive plant monitoring shall occur eight times in Year 1, six times per year in Years 2 and 3, and 4 times per year in Years 4 and 5. If invasive plants are found during the 5-year monitoring

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	<p>period, they shall be removed as necessary to support meeting the cover and vegetation composition success criteria.</p> <ul style="list-style-type: none"> • If the restoration fails to meet the established success criteria after the maintenance and monitoring period, maintenance and monitoring shall extend beyond the 5-year period until the criteria are met or unless otherwise approved by the CPUC. • Maintenance and monitoring shall be conducted following a prescribed schedule to assess progress and identify potential problems with the restoration. Remedial action (e.g., additional planting, weeding, erosion control, use of container stock, supplemental watering, etc.) shall be taken by an experienced, licensed Habitat Restoration Contractor during the maintenance and monitoring period if necessary to ensure the success of the restoration. <p>Any impacts associated with unauthorized activity (e.g., exceeding approved construction footprints or implementing the Habitat Management Plan after the allowed timeframe of 18 months following the initiation of any vegetation disturbing activities) shall be mitigated at a 5:1 ratio. Restoration of the unauthorized impacts shall be credited at a 1:1 ratio (i.e., mitigated by in-place habitat restoration); the remaining 4:1 shall be acquired and preserved off-site.</p> <p>For areas where habitat restoration cannot meet mitigation requirements, as determined by the Habitat Restoration Specialist in coordination with CPUC, USFWS, CDFW, and MCAS Miramar (for restoration on MCAS Miramar), off-site purchase and dedication of habitat (or as otherwise prescribed by MCAS Miramar for restoration on MCAS Miramar) shall be provided at the mitigation ratios provided in Table 4.1-10.</p> <p>Mitigation Parcels/Habitat Management Plans. All off-site mitigation parcels shall be approved by the CPUC, USFWS, CDFW and MCAS Miramar (as applicable) and must be acquired, or their acquisition must be assured. To demonstrate that such parcels will be acquired, SDG&E shall submit a Habitat Acquisition Plan at least 120 days prior to any ground disturbing activities for CPUC, USFWS, CDFW, and MCAS Miramar (as applicable) review and approval. The Habitat Acquisition Plan shall include, but shall not be limited to:</p> <ul style="list-style-type: none"> • Legal descriptions and maps of all parcels to be acquired; • Schedule that includes phasing relative to impacts; • Documentation demonstrating that the mitigation parcel(s) provides high quality habitat roughly equivalent in composition to the habitats that would be impacted by the project and at appropriate acreages; • Timing of conservation easement recording; • Initiation of habitat management activities relative to acquisition; and • Assurance mechanisms (e.g., performance bonds to assure adequate funding) for any parcels not actually acquired prior to vegetation disturbing activities. <p>A Habitat Management Plan shall be prepared by a biologist and approved by the CPUC, USFWS, CDFW, and MCAS Miramar (as applicable) for all acquired off-site mitigation parcels. The Habitat Management Plan must be approved in writing by these agencies (as applicable) within 18 months of the initiation of any vegetation disturbing activities. The Habitat Management Plan shall provide direction for the preservation and in-perpetuity management of all acquired, off-site mitigation parcels. The Habitat Management Plan shall include, but shall not be limited to:</p>

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	<ul style="list-style-type: none"> • Adequate SDG&E funding for the preparation and implementation of the HMP • Legal descriptions of all mitigation parcels approved by the CPUC, USFWS, CDFW, and MCAS Miramar (for mitigation parcels to be acquired for MCAS Miramar impacts) • Baseline biological data for all mitigation parcels • Designation of a land management entity approved by the CPUC, USFWS, CDFW, and MCAS Miramar (for mitigation parcels to be acquired for MCAS Miramar impacts) to provide in-perpetuity management • A Property Analysis Record prepared by the designated land management entity that explains the amount of funding required to implement the Habitat Management Plan • Designation of responsible parties and their roles (e.g., provision of endowment by SDG&E to fund the Habitat Management Plan and implementation of the Habitat Management Plan by the designated land management entity) <p>Management specifications including, but not limited to, regular biological surveys to compare with the baseline data; invasive, non-native species control; fence/sign replacement or repair; public education; trash removal; and annual reports to CPUC, USFWS, CDFW, and MCAS Miramar (for mitigation parcels to be acquired for MCAS Miramar impacts)</p>
Location	All areas of impact within sensitive habitats
Monitoring/Reporting Action	SDG&E files annual monitoring reports on restoration areas until success criteria are met and conducts surveys and provides reports to CPUC for all off-site mitigation parcels in accordance with the approved Habitat Management Plan or other documentation. The CPUC verifies restoration of areas of temporary disturbance through annual maintenance and monitoring and in accordance with the approved restoration plan or other documentation.
Effectiveness Criteria	Habitat is restored within areas of temporary disturbance within sensitive habitats. In-kind mitigation for permanent impacts to sensitive habitats is implemented.
Status	
Review/Approval	
APM/Mitigation Measure Title	Mitigation Measure Biology-11: Reseeding for Fires
Measure Text	Should a fire occur and be determined by the CPUC's Consumer Protection and Safety Division or the California Department of Forestry and Fire Protection (Cal Fire) to be caused by the project, SDG&E shall reseed all natural areas — both public and private — that are burned as a result of the project-caused fire. Reseeding shall continue until the native vegetation community is reestablished. For example, arid chaparral requires a minimum 10-year period to reestablish an adequate seed bank and thereby resist vegetation type conversion. A reseeded plan shall be developed with input from Cal Fire, CPUC, and City of San Diego (for ROW within and adjacent to City of San Diego MHPA) based on a native seed mix. Seeds shall be raked into the soil to avoid seed consumption, and reseeded shall be carried out once to coincide with the rainy season (October 1 through April 1) to increase the likelihood of germination success. SDG&E shall provide a written report documenting all

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	reseeding activities to the CPUC. SDG&E shall make a good faith effort to obtain approval to reseed on private lands, as appropriate, and documentation of this good faith effort shall be submitted to the CPUC upon request. Specific reseeding requirements stipulated in this mitigation measure shall be subject to approval and modification by any public land-owning agency.
Location	All areas subject to reseeding for wildfires caused by the project
Monitoring/Reporting Action	Verify that native vegetation community is reestablished in any areas burned from fires resulting from the project.
Effectiveness Criteria	All areas burned by wildfires caused by the project are revegetated with native vegetation.
Status	
Review/Approval	
APM/Mitigation Measure Title	APM BIO-2: SDG&E Subregional NCCP
Measure Text	<p><i>Applicable to post-construction:</i></p> <p>Biological monitors will be present during construction to assure implementation of the avoidance and minimization measures. If the previously-delineated work areas must be expanded or modified during construction, the monitors will survey the additional impact area to determine if any sensitive resources will be impacted by the proposed activities, to identify avoidance and minimization measures, and to document any additional impacts. Any additional impacts are included in a Post-construction Report (PCR) for purposes of calculating the appropriate mitigation, which generally includes site enhancement or credit withdrawal from the SDG&E mitigation bank. When construction is complete, the biological monitor will conduct a survey of the entire line to determine actual impacts from construction. The PCR will determine how much site enhancement and credit withdrawal from the SDG&E mitigation bank will be required to address impacts from project related activities. These impact and mitigation credit calculations are submitted to the USFWS and the CDFW as part of the NCCP Annual Report pursuant to requirements of the NCCP and the NCCP Implementing Agreement.</p>
Location	Areas where previously-delineated work areas are expanded or modified during construction
Monitoring/Reporting Action	SDG&E submits a PCR to the CPUC and USFWS documenting the areas of additional impacts and calculating the appropriate mitigation including site enhancement or credit withdrawal. The PCR includes survey results for the entire line to document the actual impacts from construction. Impacts are accounted for in the NCCP Annual Report submitted to the USFWS and CDFW.
Effectiveness Criteria	All habitat impacts resulting from construction activities are mitigated through either habitat enhancement or off-site mitigation through a mitigation bank.
Status	
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Category	Measure Requirement/Application
APM/Mitigation Measure Title	Mitigation Measure Cultural Resources-3: Monitoring Report
Measure Text	Upon completion of archaeological monitoring, SDG&E shall prepare a report that summarizes monitoring efforts and the results, analyses, and conclusions of the monitoring program. The report shall be submitted to the CPUC within 60 days of the close of construction. If no archaeological resources are discovered during construction, a letter report shall be submitted to the CPUC summarizing monitoring efforts. If archaeological resources are identified during construction, the report shall be consistent with the California Archaeological Resources Management Reports (ARMR) and commensurate with the nature and significance of the identified resource(s). All archaeological material shall be curated at a recognized curation facility unless the Tribe or Band requests that the Native American artifacts be reburied on site. Any newly identified cultural resources shall be recorded with the SCIC.
Location	Areas of archaeological monitoring
Monitoring/Reporting Action	SDG&E prepares a report summarizing monitoring efforts and submits the report to the CPUC within 60 days of the close of construction. Verify the report is consistent with the ARMOR, archaeological materials are curated at a recognized facility or reburied on site, and new resources are recorded with the SCIC.
Effectiveness Criteria	The report is consistent with the ARMOR and archaeological resources are properly curated and recorded with SCIC.
Status	
Review/Approval	
APM/Mitigation Measure Title	Mitigation Measure Hazards-1: Site Specific Blasting Plan.
Measure Text	If any structure is inadvertently adversely affected by construction vibration, the structure shall be restored to conditions equivalent to those prior to blasting. SDG&E shall then fairly compensate the owner of any damaged structure for lost use.
Location	Structures in the vicinity of blasting area
Monitoring/Reporting Action	Verify that any structure that is inadvertently adversely affected by blasting is restored and owners are fairly compensated for damage to structures.
Effectiveness Criteria	Structural damage resulting from blasting is repaired and mitigated.
Status	
Review/Approval	
APM/Mitigation Measure Title	Mitigation Measure Recreation-1: Pre- and Post-Construction Report
Measure Text	SDG&E shall repair all damage to parks and trails (e.g., rutting and ground disturbance) caused by construction vehicles and equipment once construction is completed in each work area in a timely manner (no more than 30 days).

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	Following construction for the entire project, SDG&E shall prepare a Post-Construction Parks and Trails Restoration Report that documents the parks and trails restoration effort. The post-construction report shall describe which resources were impacted and avoided, as well as photographs of the impacted sites prior to and following restoration. The Post-Construction Parks and Trails Report shall be submitted to the CPUC for review and approval following completion of all repairs and no later than 60 days after construction completion in the area. SDG&E shall complete all park and trail repairs to the satisfaction of the CPUC.
Location	Locations where construction will occur within parks, preserves, multi-use trails and unofficial trails along access roads
Monitoring/Reporting Action	SDG&E submits a Post-Construction Parks and Trails Report to CPUC no later than 60 days after construction. CPUC verifies that trails are adequately repaired.
Effectiveness Criteria	Any damage to trails or park recreational resources is repaired to pre-construction conditions.
Status	
Review/Approval	
APM/Mitigation Measure Title	APM PS-5: Recreational Facility Repair
Measure Text	All parks, trails, and recreational facilities that are physically impacted during construction activities and are not directly associated with the new permanent facilities, will be returned to an approximate pre-construction state, while still allowing for SDG&E to safely operate and maintain the facilities, following the completion of the Proposed Project. SDG&E will replace or repair any damaged or removed public equipment, facilities, and infrastructure in a timely manner.
Location	Parks, trails or recreational facilities that are physically impacted during construction
Monitoring/Reporting Action	Verify facilities are repaired and equipment replaced in a timely manner.
Effectiveness Criteria	Recreational facilities that are damaged by construction are repaired.
Status	
Review/Approval	
APM/Mitigation Measure Title	Mitigation Measure Traffic-3: Post-Construction Road Repair
Measure Text	Prior to construction, SDG&E shall conduct a pre-construction road condition assessment along the underground transmission line route and entrances and exits to all staging yards. SDG&E shall submit the pre-construction road condition assessment to the CPUC and the local jurisdiction (e.g., City of San Diego or City of Poway). If damage to roads occurs as a result of project construction or construction vehicle traffic, SDG&E shall restore damaged roadways within 60 days after the completion of construction at their own expense under the direction of and to the construction standard of the

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	affected local jurisdiction to ensure that impacted roads are adequately repaired.
Location	Underground transmission line alignment within roads
Monitoring/Reporting Action	Verify restoration of damaged roadways within 60 days after the completion of construction.
Effectiveness Criteria	Damaged roads are properly restored and repaired to the standards of the local jurisdictional agency.
Status	
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