



Jennifer L. Kaminsky
SOCRE Environmental Project Manager
San Diego Gas & Electric Company
(T) 858-503-5028

December 12, 2017

Andrew Barnsdale
Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Re: Notice to Proceed Request 2 to conduct site preparation activities and construction staging at the future San Juan Capistrano Substation as part of South Orange County Reliability Enhancement Project.

Mr. Barnsdale:

On December 15, 2016, the California Public Utilities Commission (CPUC) voted to grant San Diego Gas & Electric Company (SDG&E) a Certificate of Public Convenience and Necessity (Decision D.16-12-064) for the South Orange County Reliability Enhancement Project (SOCRE Project or Project) contingent upon implementation of the Mitigation Monitoring, Compliance and Reporting Program (MMCRP). SDG&E is formally requesting approval of Notice to Proceed No. 2 (NTP-2) from the CPUC to conduct site preparation and construction staging activities at the future San Juan Capistrano Substation as identified herein and described in the Final Environmental Impact Report (FEIR), dated April 25, 2016 (State Clearinghouse No. 2013011011).

Pursuant to the Project's MMCRP, the following information (Sections 1.0 to 11.0) is provided and organized as outlined in Section 3.2.2, Notice to Proceed Process Requirements, and contains all pertinent information required for the CPUC to authorize NTP-2 activities.

1.0 Description of Work and Comparison to FEIR

As described in the Project's FEIR (Section 2.3.1, San Juan Capistrano Substation, page 2-8), SDG&E will rebuild and upgrade the future San Juan Capistrano Substation to a gas-insulated (GIS) substation. As part of this NTP request, SDG&E is requesting authorization to prepare the future substation site for construction staging and utilization of the site for ongoing staging activities throughout the duration of the Project. Site preparation and construction staging activities, as described below in Section 2.0, Description of Activities for Project Component, are consistent with the description contained within the Project's FEIR, with the addition of specific details of each activity that were not available during preparation of the FEIR. Note that SDG&E is not requesting authorization to proceed with ground-disturbing activities as part of

this NTP-2 request. Ground-disturbance is defined herein as activities that would alter the existing elevations of the site, involve site development, grading, grubbing or tree root removal.

2.0 Description of Activities for Project Component

Site Preparation

As described in the Project's FEIR (Section 2.4.4.1, San Juan Capistrano Substation Construction, page 2-44; and Section 2.4.8.1, Staging Area, page 2-59) and in order to prepare the San Juan Capistrano Substation for ongoing construction staging, SDG&E contractors will complete the following site preparation activities:

- All vegetation will be cleared from the substation property using hand held manual and power tools (e.g., chainsaw). Large equipment (i.e., Bobcat S450 skid-steer, 430 backhoe and 930 loader) will be used to transport vegetative material around the site. To avoid ground disturbance, vegetation debris will also be manually loaded into the bucket of a 930 loader (or similar equipment) for transport to the chipper or loaded directly into a haul truck for removal off-site. Alternatively, the vegetation debris may be covered with a tarp and stored onsite and removed during future grading operations. All vegetation removal activities will be monitored to ensure it is performed as outlined above. Ground-disturbance defined herein as activities that would alter the existing elevations of the site, involve site development, grading, grubbing or tree root removal, will not be performed as part of NTP-2 activities. Trees and shrubs will be cut flush to the ground and roots and tree stumps will be removed during future grading and grubbing activities, which are not included in the scope of this NTP-2 request. Approximately 1.73 acres of vegetation (1.46 acres of ornamental/landscaping and 0.27 acre of coastal sage scrub) and several trees will be removed from the substation property. There are two small patches of coastal sage scrub located adjacent to the eastern side of the fenced substation and in the middle of the site. However, these patches are not considered habitat because they are unlikely to be used by special-status wildlife species, are isolated from other occurrences of natural habitat, and are surrounded by urban development. Please refer to **Attachment A, San Juan Capistrano Substation – Biological Field Survey Report** for additional details regarding the substation's existing biological resources. Vegetation removal from the site prior to the start of nesting season will also help deter nesting birds consistent with the Project's Nesting Bird Management Plan, Section 8.1. Vegetation debris will be cut into segments and stockpiled onsite. Debris may be chipped before being loaded into dump trucks and hauled off-site. SDG&E will maintain records identifying disposal locations and the amount of vegetation debris hauled off-site. These records can be provided to the CPUC upon request during construction.
- SDG&E contractors will demolish the east wing of the former utility structure. The structure's foundation and footings will not be removed as part of NTP-2 activities, so no ground-disturbing activities will occur associated with the demolition work. As per Mitigation Measure (MM) CUL-8, 12-inches of roof and walls will be retained where the east wing intersects the west wing of the existing structure. This will allow the remaining portion of the roof and wall visually to read as a "ghost" of the east wing once

it is removed. Any hazardous materials, including asbestos or lead containing materials, will be removed in accordance with the Project's Hazardous Materials and Waste Management Plan (HMWMP) and properly containerized, labeled, characterized, and disposed of in accordance with federal, state, and local regulations.

- Aggregate material may be placed onsite (as needed) to create a safe, all-weather surface.
- Relocation of the interior fence separating the upper and lower yards as illustrated in Figure 2, **Attachment B, NTP-2 Figures**.
- Potholing to identify existing underground plumbing (sewer lines/septic tank) in preparation for future grading activities. All potholes will be immediately backfilled with the soil that was excavated. Installation of screening around the entire perimeter of the substation property will be completed, consistent with MM AES-3. Given the duration of construction at the substation, a 6 to 8-foot tall chain-link fence is anticipated to be installed with post-holes filled with concrete in areas where the permanent screening wall will not be installed as part of future construction activities. Construction fencing using T-posts may be utilized in areas where the permanent substation screening wall will be installed. Once the wall is construction the construction fencing would be removed. Screening on all fencing will consist of a tan mesh material affixed to the fence.
- Installation of security systems, including cameras, lights and motion detectors.
- Plug and abandon the onsite water well (located in the lower yard) pursuant to Orange County well abandonment and environmental health procedures.
- Removal of two (abandoned) communication utility poles and wired connection to former utility structure.
- Depending on the logistical constraints of the substation property and overall Project need, two construction trailers may be mobilized onto the substation site. Mobilization of construction trailers would include the following activities:
 - Connection to the electrical distribution system via a service drop pole.
 - Trailers may have internal restroom facilities and wastewater holding tanks that will not be connected to the local wastewater system. The wastewater holding tanks will be maintained by a licensed sanitation contractor that would dispose of the waste at an off-site location and in compliance with standards established by the Regional Water Quality Control Board.
 - In addition to the security features discussed above, the construction trailers will include exterior lighting that will be consistent with FEIR MM AES-5. All construction lighting will be shielded and operated and oriented downwards to mostly or fully eliminate off-site light spill at all times. In addition, motion

activated lights and/or sensors will also be installed in appropriate areas limiting light exposure to the minimum amount of time necessary.

- Installation of Stormwater Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs). A copy of the Project's Construction General Permit and SWPPP will be kept and maintained onsite and can be accessed using the following link to the SMARTs system:

<https://smarts.waterboards.ca.gov/smarts/faces/PublicDataAccess/PublicNoiSearch.xhtml>
1. See additional SWPPP related details in Section 10.0, Permits and Approvals.

- Per the CPUC approved Water Efficiency Plan, SDG&E is coordinating with the local recycled water purveyor (e.g., City of San Juan Capistrano) for the limited water needs required for NTP-2 dust suppression. However, the City of San Juan Capistrano has yet to process SDG&E's application to haul recycled water from one of their recycled water fire hydrants to the substation or to allow installation of a direct recycled water pipeline to the site. As such, water for NTP-2 work activities will likely come from potable water sources. To reduce the overall water need, SDG&E will implement water saving techniques as described in the Project's Water Efficiency Plan.

Please refer to **Attachment C, NTP-2 Site Photographs** for pictures and additional details regarding the vegetation being removed, examples of sites that have been cleared of vegetation without ground disturbance, the internal fence relocation, communication pole removal, and water well abandonment. Pictures and elevations of the east wing of the former utility structure were submitted to the CPUC as part of the Historic American Engineering Report (HAER) photographic documentation.

Construction Staging

Also, as described in the Project's FEIR (Section 2.4.8.1, Staging Area, page 2-59), the substation will be used as a staging yard continuously throughout the duration of the Project for pole assemblage, temporary stockpile of material, refueling and maintenance/repair of vehicles and equipment, storage of materials and equipment, portable restrooms, parking, lighting, generator use, worker meet-up, construction trailers, temporary water and fuel storage for construction activities, and other similar construction staging activities. Welding may be required at the San Juan Capistrano Substation staging yard for pole assemblage or other construction needs. Per FEIR MM AES-3, the entire substation property will be fenced and screened and would minimize any potential light and glare impacts associated with construction staging activities (including welding) on surrounding residences.

3.0 Staging

NTP-2 activities include preparation of the substation for utilization as a construction staging yard. As such, any staging, laydown areas, equipment storage and Project vehicle parking necessary to support the activities included in NTP-2 will be conducted within the existing substation property as depicted in Figure 1 in **Attachment B, NTP-2 Figures**. No Project equipment or vehicle parking will occur on Camino Capistrano. Construction workers driving

personal commutation vehicles to the site may park in legal parking locations on City streets near the substation site in accordance with local parking restrictions.

4.0 Location of Project Component

Activities included with NTP-2 will be conducted within both the lower and upper yards of the existing substation property as shown on Figure 2 in **Attachment B: NTP-2 Figures**. The approximately 6.4-acre substation is bounded by residential property to the north and streets to the west, east, and south (Camino Capistrano, Calle Santa Rosalia, and Calle Bonita, respectively). Please refer to Figure 1 in **Attachment B, NTP-2 Figures**, for an aerial view of the substation property boundary.

5.0 Estimated Area of Land Disturbance

As described in the Project's FEIR, the substation is designated for approximately 6.4 acres of permanent disturbance, and site preparation and construction staging activities will likely result in the disturbance to the majority of the substation property. However, ground-disturbance, defined herein as activities that would alter the existing elevations of the site, involve site development, grading, grubbing or tree root removal, will not be performed as part of NTP-2 activities. Please refer to Figure 2 in **Attachment B, NTP-2 Figures**, for a map of the type of vegetation that will be removed. The substation site will not be restored at the completion of site preparation activities, as the site will be used continuously for staging during future phases of construction, as well as the eventual rebuild of the substation. However, in accordance with the Construction General Permit (2009-0009-DWQ (As amended by 2010-0014-DWQ and 2012-0006-DWQ)) effective soil cover (e.g., hydromulch or another effective soil stabilization technique) will be applied on disturbed, inactive areas in order to control erosion in compliance with the Project's SWPPP.

6.0 Construction Schedule and Duration

Approximately 30 days will be required to complete the site preparation activities. Construction associated with NTP-2 is anticipated to begin within 7 days of issuance of NTP-2 by the CPUC and take approximately 4 weeks to complete. Staging activities at the substation will also begin within 7 days of issuance of NTP-2 by the CPUC and continue throughout the duration of the Project.

As described in MM NV-1, daily construction equipment operating used and staging hours are planned for daylight hours (7:00 A.M. to 6:00 P.M.), Monday through Friday. If construction or staging activities will be required to go beyond the allowable timeframes outlined in the City of San Juan Capistrano noise ordinance (e.g., nights, holidays, and Sundays), SDG&E will follow the terms and notifications outlined in MM NV-1 and the Project's approved Noise and Vibration Control Plan.

7.0 Construction Personnel

Approximately 5 to 10 construction personnel will typically be on site for the site preparation and staging yard activities. Peak number of construction personnel, including SDG&E

management and environmental compliance personnel, onsite at one time for NTP-2 activities will be approximately 15 personnel. Please see **Attachment D, MMCRP Requirements Tracking Table for NTP-2** for further details on applicable monitoring requirements.

8.0 Off-Road Diesel Equipment List

In addition to any hand tools, hand power tools or equipment rated less than 50 horsepower required for site preparation activities and vegetation removal, SDG&E is anticipates conducting site preparation and demolition activities described herein using the equipment listed in the table below.

| Equipment | On or Off-Road | Diesel or Gasoline |
|-------------------------------------|----------------|--------------------|
| Water Truck | On-Road | Gasoline |
| Bobcat S450 Skid-Steer Loader | Off-Road | Diesel |
| 430 Backhoe | Off-Road | Diesel |
| John Deere 710 Backhoe | Off-Road | Diesel |
| 330 Excavator | Off-Road | Diesel |
| 930 Loader | Off-Road | Diesel |
| Chipper | Off-Road | Diesel |
| Dump Truck | On-Road | Diesel |
| Portable generators and compressors | N/A | Gasoline |

All equipment and vehicles anticipated to be used to complete NTP-2 construction activities are identified in the equipment list outlined in Appendix F, Detailed Construction Equipment Use tables, of the Project's FEIR. If equipment not listed is needed during construction, it will comply with the Tier rating requirements found in APM AQ-2 and actual emissions will be tracked and reconciled in compliance with MM AQ-1. In support of compliance with MM AQ-1, SDG&E provided estimated construction NOx emissions calculations to the CPUC for all construction activities anticipated to occur in 2017 and 2018, which includes activities identified in NTP-2.

9.0 Preconstruction Requirements, Status and Mitigation Measures/Applicant Proposed Measures

During construction of the components described above, SDG&E will implement all applicable Applicant Proposed Measures (APMs) and MMs as identified in the Project's FEIR and in the MMCRP. The applicability and status of all APMs and MMs included within the Project's MMCRP is provided in **Attachment D, MMCRP Requirements Tracking Table for NTP-2**. The table is color coded for easy reference by applicability, timing and the status (if the measure contains a preconstruction requirement). Pre-construction measures that are pending as noted in **Attachment D** include the following:

- *MM BR-3: Preconstruction Surveys:* A CPUC-approved, qualified biologist will perform a preconstruction survey within 14 days of the start of ground disturbance.
- *MM BR-8: Western Burrowing Owl Impacts Reduction Measures:* A CPUC-approved biologist will conduct preconstruction take-avoidance surveys for burrowing owls within 150 meters of Project areas in suitable habitat no more than 14 days prior to ground-

disturbing activities.

Prior to construction, SDG&E will communicate the environmental concerns and appropriate work practices to all SDG&E crews and contractors through a Safety Environmental Awareness Program (SEAP) training. The SEAP includes, but is not limited to, a review of air quality, archaeological and paleontological resources, biological resources, dust control measures, hazardous waste and spill prevention, construction fire control and emergency response measures, and noise control measures. SDG&E completed the first SEAP training on September 13, 2017 and will continue to provide training throughout construction.

In support of compliance with MM AQ-1, SDG&E provided estimated construction NOx emissions calculations to the CPUC for all construction activities anticipated to occur in 2017 and 2018, which includes activities identified in NTP-2 on November 3, 2017.

10.0 Permits and Approvals

Construction activities included in NTP-2 will be conducted within the San Juan Capistrano Substation property and are anticipated to require certain permits from local and state agencies.

As described in the Project's HMWMP, asbestos abatement and removal work in the upper yard will be performed using proper work practices/control measures, in accordance with applicable asbestos rules and regulations with written notification to California Occupational Health and Safety and the South Coast Air Quality Management District. SDG&E will provide a copy of the notification to the CPUC prior to starting abatement activities.

SDG&E submitted a Construction General Permit Notice of Intent and SWPPP into the State Water Resources Control Board Storm Water Multiple Application and Report Tracking System on December 1, 2017 and WDID number 9 30C 381897 was issued for work on the substation property on December 4, 2017. As previously mentioned, a copy of the Project's SWPPP will be kept and maintained onsite and can be accessed via the following link: <https://smarts.waterboards.ca.gov/smarts/faces/PublicDataAccess/PublicNoiSearch.xhtml>

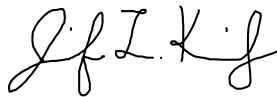
NTP-2 water well abandonment activities will require a Well Destruction Permit as outlined by the Orange County Well Ordinance (County Ordinance No. 2607). In addition, a City of San Juan Capistrano Demolition Permit will be required for the demolition of the east wing of the former utility structure. SDG&E will obtain the required permits for NTP-2 prior to the commencement of abandonment and demolition activities. The City of San Juan Capistrano Municipal Code (Section 9-2.349) provides for the requirements for a Tree Removal Permit. However, a review of Sections 9-2.349(c) and 9-2.349(e), demonstrate that this requirement would not be applicable to the Project since it does not fall within any of the categories 9-2.349(c)(1) through 2.349(c)(7) and the tree removal was approved by the CPUC as part of its discretionary approval authority (e.g., CPCN), which included conditions for replacement landscaping. Furthermore, the City of San Juan Capistrano's Tree Removal Permit is considered a discretionary action, and per the CPUC's General Order 131-D, Section XiV.B, this discretionary action is preempted by the CPUC's exclusive jurisdiction to regulate all aspects of design, construction and operation of public utilities. As such, a Tree Removal Permit would not be required for NTP-2.

Further, NTP-2 activities will be conducted within the substation property and will not impact a public roadway or trail under the jurisdiction of the City of San Juan Capistrano. So, the need for a traffic control permit is not anticipated. Nevertheless, SDG&E will implement the Project's FEIR APM TR-1 (Avoid Traffic Near Schools), APM TR-2 (Avoid SR-74 Traffic), APM TR-3 (Emergency Access) and APM TR-4 (Off-Peak Deliveries) that will minimize any potential impacts to public safety. However, if work activities do require the need to obtain a traffic control permit (e.g., associated with a large delivery to the site), then the appropriate permits would be obtained prior to performing those activities.

11.0 Request for Approval

SDG&E respectfully requests authorization of NTP-2 to conduct site preparation activities and utilization of the San Juan Capistrano Substation property as a staging yard as conditioned on any pending pre-construction requirements identified herein and in **Attachment D** by December 15, 2017 (2-week review). Should you have any questions or need additional information, please do not hesitate to contact me at (858) 503-5028 or by email at jkaminsky@semprautilities.com.

Sincerely,



Jennifer L. Kaminsky
SOCRE Environmental Project Manager

Attachment A: San Juan Capistrano Substation – Biological Field Survey Report
Attachment B: NTP-2 Figures
Attachment C: Site Photographs
Attachment D: MMCRP Requirements Tracking For NTP-2

cc: Joe Donaldson, Ecology and Environment, Inc.
Keri Cuppage, SDG&E
Kelly Stallings, SDG&E
Mary Turley, SDG&E
Kenda Pollio, KP Environmental

ATTACHMENT A
San Juan Capistrano Substation – Biological Field Survey Report

SAN DIEGO GAS & ELECTRIC COMPANY

**SOUTH ORANGE COUNTY RELIABILITY
ENHANCEMENT PROJECT**

**SAN JUAN CAPISTRANO SUBSTATION –
BIOLOGICAL FIELD SURVEY REPORT**

PREPARED FOR:



PREPARED BY:



October 2017

ICF. 2017. San Juan Capistrano Substation – Biological Field Survey Report.
October. (ICF 00289.17.) San Diego, CA. Prepared for San Diego Gas &
Electric, San Diego, CA.

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Acronyms and Abbreviations

| | |
|--------|---|
| CPUC | California Public Utilities Commission |
| FEIR | Final Environmental Impact Report |
| GIS | gas-insulated substation |
| NCCP | Natural Community Conservation Plan |
| NTPRs | Notice to Proceed Requests |
| Report | Biological Field Survey Report |
| SDG&E | San Diego Gas & Electric Company |
| SJC | San Juan Capistrano |
| SOCRE | South Orange County Reliability Enhancement |

1. Introduction

This Biological Field Survey Report (Report) was prepared for the San Diego Gas & Electric Company's (SDG&E) South Orange County Reliability Enhancement (SOCRE) Project (Project), located in southern Orange County and a portion of northern San Diego County, California. The first phase of construction will occur at the future San Juan Capistrano (SJC) Substation.

The SJC substation is located within the City of San Juan Capistrano, Orange County, California. The site is accessible via Camino Capistrano. Any staging necessary to support the construction activities at the SJC substation will be conducted within the existing 6.4-acre San Juan Capistrano substation property. The substation property is bounded by residential property to the north and streets to the west, east, and south (Camino Capistrano, Calle Santa Rosalia, and Calle Bonita, respectively).

This Report summarizes a biological field survey conducted in accordance with Section 7.1.3 of the SDG&E Subregional Natural Community Conservation Plan (NCCP) to determine if the SJC Substation site provides Habitat for special-status species. Habitat is defined as any areas that could provide habitat for the 110 species covered under the NCCP. Habitat is defined in the NCCP Implementing Agreement as *"the area or niche occupied or suitable for occupation by any particular species, subspecies, or population of fish, wildlife or plant, and shall include all biological resources comprising any part of such niche which may among other things affect the food chain, shelter, nesting or foraging of any species, subspecies, or population."* As part of the pre-activity surveys required under Section 7.1.3 of the NCCP, SDG&E will confirm if an area is Habitat for a species, taking into consideration the generalized mapped vegetation community, as well as other factors including stand size, its relative degree of human-induced disturbance (e.g., cover of invasive species, etc.), and geographic proximity to or isolation from other areas providing Habitat to the species.

2. Methods

ICF biologist Keoni Calantas conducted the biological field survey on September 13, 2017. The biologist confirmed the existing vegetation mapping for the Project, as described in the Project's Final Environmental Impact Report (FEIR) (CPUC 2016), and analyzed suitability for the SJC substation site to support special-status species by assessing a variety of variables (i.e., size of native vegetative stands, relative disturbance, geographic proximity to other habitat blocks, etc.). The biologist also recorded the location of any native oak trees. The survey area included the approximately 6.4-acre San Juan Capistrano substation property. Vegetation communities were mapped in accordance with the SDG&E Subregional NCCP. Aerial imagery and geospatial data were used to compare the existing vegetation mapping to onsite conditions. Dominant plant species were also recorded during the survey.

3. Survey Results

Existing boundaries of vegetation communities and land cover-types, as described in the Project's FEIR, were unchanged, and acreages remained the same. The following vegetation communities or land cover types were noted during the biological field survey.

3.1 Developed

Developed is a land cover type associated with human-constructed land cover types devoid of vegetation. For the purposes of this analysis, developed areas include developed roads (paved, gravel, hard-packed dirt), driveways, and substation structures and facilities. More specifically, developed areas included the existing substation yard with paved and gravel surfaces, the paved road leading to the substation yard from Camino Capistrano, and the substation buildings at the western substation entrance. Developed areas also surround a majority of the substation property in the form of residential development, paved local roads, and Interstate 5, which is located approximately 700 feet east of the substation.

3.2 Disturbed Habitat

Disturbed habitat is composed primarily of non-native and/or invasive grasses and forbaceous species, but depending on types and frequencies of disturbances, soil types, microclimate variables, available seed sources and other factors, disturbed habitat may also contain sparse subshrubs or shrubs. Both native and non-native plant species may exist within disturbed habitats. Disturbed habitats observed on the Project include mowed or maintained areas and herbicide-treated areas in varying stages of recovery. Disturbed habitat is located on the hillsides of the substation property, in areas that are devoid of ornamental and native shrubs and trees. Dominant plant species within this disturbed habitat included mustard (*Brassica* sp.), fountain grass (*Pennisetum setaceum*), telegraph weed (*Heterotheca grandiflora*), wild oat (*Avena fatua*), Perez's sealavender (*Limonium perezii*), and Australian saltbush (*Atriplex semibaccata*).

3.3 Landscaped/Ornamental

Landscaped/ornamental is a type of developed habitat that includes turf grass and/or other plant species intentionally placed by humans or that have escaped from nearby ornamental seed sources. For the purposes of this analysis, landscaped/ornamental within the substation includes areas where trees and shrubs were planted and maintained in the past but been abandoned over the years, resulting in uncontrolled growth and maturation of trees and shrubs. Ornamental is located within the northwestern corner of the substation property, as well as lining the northern and southern boundaries of the substation property.

Although ornamental species dominant within the substation property included nonnative species such as Peruvian peppertree (*Schinus molle*), red-eye acacia (*Acacia cyclops*), turf grass, and eucalyptus (*Eucalyptus* sp.), some native species also occur within the areas mapped as ornamental. These native species included Mexican elderberry (*Sambucus nigra* ssp. *caerula*), one mature individual of lemonade berry (*Rhus integrifolia*), and two mature individual coast live oak (*Quercus agrifolia*) trees. Since these native species are scattered throughout the canopy of nonnative ornamentals, they are mapped within the landscape/ornamental category because they do not constitute Habitat that would support special-status species. Ornamental sycamores (*Platanus racemosa*) also grow along the western boundary of the substation property, adjacent to Camino Capistrano. The approximate location of the coast live oak trees have been mapped, as shown in Figure 1, SJC Substation Veg Mapping.

3.4 Coastal Sage Scrub

Coastal sage scrub provides Habitat for the federally threatened coastal California gnatcatcher (*Poliioptila californica californica*), as well as other special-status species that are candidates for federal listing, state species of concern, or considered sensitive by local jurisdictions and NCCP covered species. Dominant plant species within this community include California sagebrush (*Artemisia californica*), flat-top buckwheat (*Eriogonum fasciculatum*), laurel sumac (*Malosma laurina*), lemonade berry, and black sage (*Salvia mellifera*).

The coastal sage scrub mapped within the substation includes two small, isolated stands:

- Stand 1 is approximately 1,862 feet² (0.04 acre), and located adjacent to the eastern side of the fenced substation yard.
- Stand 2 is approximately 8,516 feet² (0.2 acre), and located in approximately the middle of the developed substation yard.

Both Stand 1 and Stand 2 are dominated by San Diego County sunflower (*Viguiera laciniata*), which is a CRPR List 4 species, observed at roughly 50-75 % absolute cover. Within the understory of both stands, fountain grass and Perez's sealavender was noted at approximately 10-15% absolute cover, with bare ground comprising the remainder of the stand. Stand 1 is in close proximity to transmission structures, and immediately surround by developed gravel surfaces within the active yard. Stand 2 is immediately surrounded by paved substation surfaces and disturbed habitat dominated by the weedy species listed above.

Although these patches are dominated by a native coastal sage scrub species, they are not considered Habitat under the NCCP because of their size, isolation, and the historical and current land use of the site. These stands are isolated from any other occurrence of natural habitat and exhibit disturbance in the form of invasive species. The nearest natural habitat is located approximately 1,500 feet west of the substation within and adjacent to Trabuco Creek. The canyons of Trabuco Creek appear to be vegetated with shrublands and riparian woodlands, but have no ecological connection to the isolated stands of coastal sage scrub within the substation. Residential and urban development surround all sides of the substation. Historic and current land use information demonstrate that the site, including the patches of coastal sage scrub species, has been previously developed and the site has maintained its current use as an industrial substation since 1917. No special-status wildlife species have been noted within the substation site during extensive surveys conducted for the Project in support of the FEIR preparation. Due to its isolation, the coastal sage scrub within the substation does not function within a larger landscape of native coastal sage scrub habitat, and is not likely to support nesting, shelter or foraging for special-status species.

3.5 Native Oak Trees








Expansion and/or construction of substations and other project components may require the removal and trimming of trees. SDG&E shall carry out tree trimming and removal activities in accordance with applicable county regulations and the terms of any applicable permits (CPUC 2016).

4. References

California Public Utilities Commission. 2016. *South Orange County Reliability Enhancement Project Final Environmental Impact Report*. April.

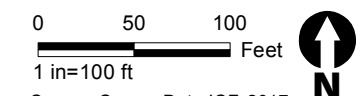
Figure 1. SJC Substation Veg Mapping



-  Permanent Impact Area
-  Temporary Impact Area
-  Coast Live Oak (*Quercus agrifolia*)
- Vegetation**
-  CSS - Coastal Sage Scrub
-  DEV - Developed
-  DIST - Disturbed Habitat
-  ORN - Landscape/Ornamental

South Orange County Reliability Enhancement Project

San Juan Capistrano Substation
Biological Field Survey Report



Source: Survey Data-ICF, 2017; Imagery-ESRI, 2016.



Appendix A. Photolog of Onsite Conditions

PHOTO LOG
SDG&E SOCRE – San Juan Capistrano Substation
San Juan Capistrano, Orange County, California
ICF Site Survey, September 13, 2017



Photo 1. South-facing view of the approximate PERC-101 location (red)



Photo 2. Northeast-facing view of the approximate PERC-101 location (red)

PHOTO LOG
SDG&E SOCRE – San Juan Capistrano Substation
San Juan Capistrano, Orange County, California
ICF Site Survey, September 13, 2017



Photo 3. North-facing view of approximate PERC-101 location (red)



Photo 4. Northwest-facing view of approximate PERC-101 location (red)

PHOTO LOG
SDG&E SOCRE – San Juan Capistrano Substation
San Juan Capistrano, Orange County, California
ICF Site Survey, September 13, 2017



Photo 5. Northwest-facing view of the PERC-102 location, staked in the field



Photo 6. Northeast-facing view of the PERC-102 location

PHOTO LOG
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San Juan Capistrano, Orange County, California
ICF Site Survey, September 13, 2017



Photo 7. Northwest-facing view of the PERC-102 location



Photo 8. West-facing view of the PERC-102 location

PHOTO LOG
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San Juan Capistrano, Orange County, California
ICF Site Survey, September 13, 2017



Photo 9. West-facing view of the disturbed hillside mapped on-site, from the western substation yard fence. Ornamental vegetation mapped on-site can be seen on the western side of the hillside.



Photo 10. Northwest-facing view of the disturbed habitat mapped on-site, with a swath of ornamental vegetation at the ridge. Taken from western substation yard fence

PHOTO LOG
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San Juan Capistrano, Orange County, California
ICF Site Survey, September 13, 2017



Photo 11. North-facing view of the coastal sage scrub habitat. Taken from western substation yard fence.



Photo 12. West-facing view of ornamental vegetation mapped within the western portion of the property. This picture was taken from the top of the hill of disturbed habitat on the western side of the paved access road.

PHOTO LOG
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San Juan Capistrano, Orange County, California
ICF Site Survey, September 13, 2017



Photo 13. Southwest-facing view of the disturbed habitat, and the existing substation building on the western portion of the property



Photo 14. South-facing view of the southern disturbed hillside.

PHOTO LOG
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San Juan Capistrano, Orange County, California
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Photo 15. East-facing view of the coastal sage scrub mapped on-site



Photo 16. Northeast-facing view of the coastal sage scrub mapped on-site; this scrub is dominated by San Diego County sunflower (*Viguiera laciniata*).

PHOTO LOG
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San Juan Capistrano, Orange County, California
ICF Site Survey, September 13, 2017



Photo 17. A closer look at the coastal sage scrub, dominated by San Diego County sunflower



Photo 18. Nonnative Perez's lavender (*Limonium perezii*) and fountain grass (*Pennisetum setaceum*) occur sporadically within the coastal sage scrub habitat.

PHOTO LOG
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San Juan Capistrano, Orange County, California
ICF Site Survey, September 13, 2017



Photo 19. West-facing view of the coast live oak (*Quercus agrifolia*) located along the western boundary of the substation property (orange).



Photo 20. East-facing view of the other coast live oak within the property (orange).

PHOTO LOG
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San Juan Capistrano, Orange County, California
ICF Site Survey, September 13, 2017



Photo 21. South-facing view into the fenced substation yard; most of the area within the fenced yard is developed, with fountain grass invading the perimeter of the yard.





Photo 22. Southeast-facing view of the fenced substation yard.

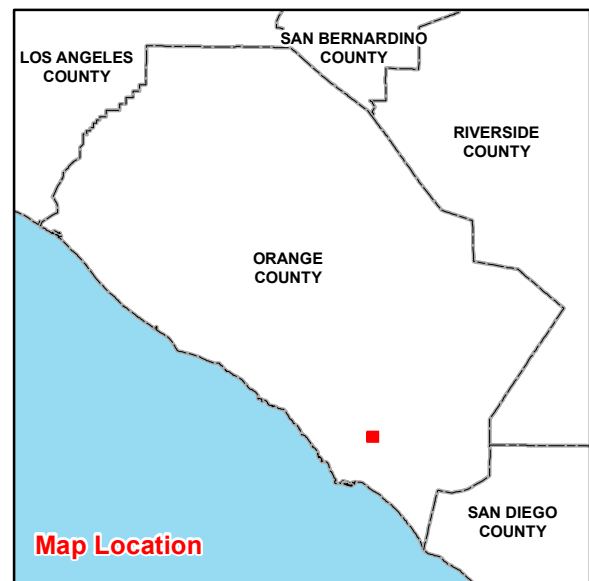
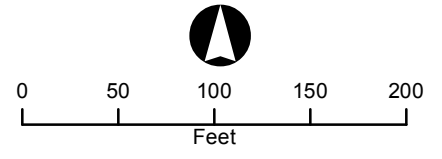
ATTACHMENT B
NTP-2 Figures

**FIGURE 1
CAPISTRANO SUBSTATION
NTP-2 – Attachment B**

**SOCRE PROJECT
San Juan Capistrano
Orange County, CA**

LEGEND




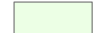



-  San Juan Capistrano Substation Boundary
-  County Boundary

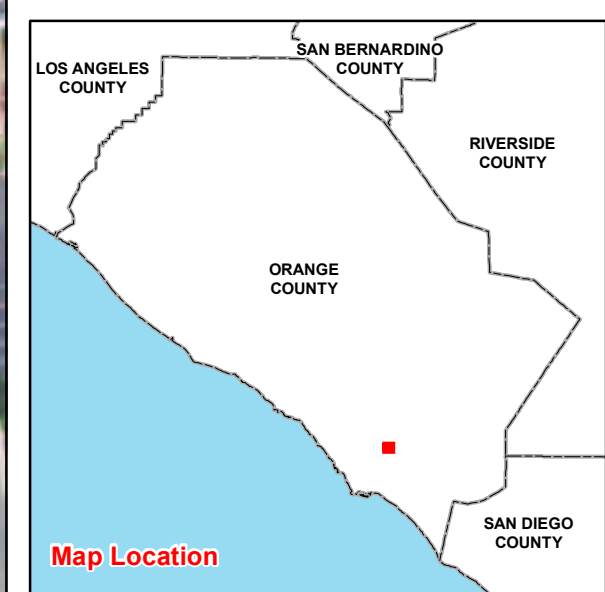
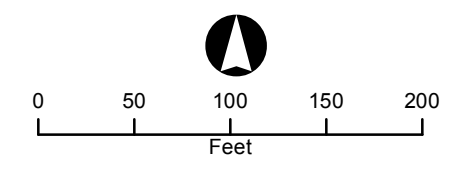


**FIGURE 2
CAPISTRANO SUBSTATION
VEGETATION
NTP-2 – Attachment B**

**SOCRE PROJECT
San Juan Capistrano
Orange County, CA**

LEGEND

-  Substation Fence Relocation
 -  San Juan Capistrano Substation Site
 -  County Boundary
- Vegetation**
-  CSS - Coastal Sage Scrub
 -  DEV - Developed
 -  DIST - Disturbed Habitat
 -  ORN - Landscape/Ornamental



ATTACHMENT C
NTP-2 Site Photographs

ATTACHMENT C
NTP-2 Site Photographs



View looking west at the vegetation and trees located along the western substation property line. All vegetation will be removed as part of NTP-2 activities.



Vegetation and trees located in the northeast corner of the substation property that will be removed.



View looking east at the vegetation and trees located in the central portion of the substation property that will be removed.

ATTACHMENT C
NTP-2 Site Photographs



View looking south (along Camino Capistrano) of the vegetation to be removed in front of the former utility structure.



View looking north at the vegetation to be removed on the slope between the upper and lower yards.

ATTACHMENT C
NTP-2 Site Photographs



View looking south at one of the two old communication utility poles and wires that will be removed.



View looking east at the internal chain-link fence that will be relocated during NTP-2 activities.

ATTACHMENT C
NTP-2 Site Photographs



View looking north of the water well that will be abandoned and plugged.



Example of tree removal (flush cut), conducted without ground disturbance.



Vegetation clearing from a utility ROW is an ongoing maintenance activity that is typically done without ground disturbance.

Attachment D
MMCRP Requirements Tracking Table For NTP-2

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|--|-------------------------------------|------------------------|---|
| AESTHETICS | | | |
| APM AES-1: Clean Work Areas. During construction, SDG&E would keep construction activities as clean and inconspicuous as practical. | During Construction and Restoration | Applicable | SDG&E and its contractors will implement this measure during NTP-2 activities. |
| APM AES-2: Restoring Disturbed Areas. When proposed project construction has been completed all disturbed terrain would be restored through recontouring and revegetation in order to reestablish a natural appearing landscape and reduce potential visual contrasts between disturbed areas and the surrounding landscape. | During Restoration | Not Applicable | NTP-2 activities will be conducted within the existing substation property that is part of the Project’s permanent impact area; therefore, restoration is not required. However, all potholes and any other holes created by the removal of the two communication poles and fence relocation will be immediately backfilled. |
| APM AES-3: Visual Screening - San Juan Capistrano Substation. The applicant would install landscaping and a screening wall would be installed in key areas along the perimeter of San Juan Capistrano Substation to partially screen views of substation structures and to visually integrate the new substation facilities with the existing setting. Figure 2-4 depicts the general location of new substation landscaping. Plant material would be appropriate to site-specific conditions and the local landscape setting. Landscaping would be consistent with technical requirements for proposed project operations and maintenance and would incorporate input from the City of San Juan Capistrano, local residents, and SDG&E’s facility security. | Restoration and Operation | Not Applicable | APM AES-3 is applicable to the permanent visual screening of the permanent substation structures at the completion of construction. As such, this APM is not applicable to NTP-2 activities since installation of permanent landscaping and screening is not part of this NTP-2 request. |
| MM AES-1: Architectural Review of San Juan Capistrano Substation. To ensure that the aesthetic design of San Juan Capistrano Substation facilities, such as walls, buildings, and landscaping, are consistent with the City of San Juan Capistrano’s aesthetic design criteria, the applicant shall submit a revised series of elevations and a landscape plan to the City’s Architectural Review Board (ARB) prior to filing for grading and building permits. The ARB shall have the opportunity to provide input to the CPUC on whether the applicant’s revised plans are consistent with the City’s aesthetic design criteria and if any modifications are appropriate. The CPUC will take into account the ARB’s input in reviewing and approving the aesthetic design and landscaping for the San Juan Capistrano Substation. The applicant shall not initiate ground-disturbing activities until the CPUC approves the aesthetic design and landscaping plan for the San Juan Capistrano Substation. | Pre-construction | Not Applicable | NTP-2 does not include ground-disturbing activities defined as activities that would alter the existing elevations of the site, involve site development, grading, grubbing or tree root removal. Furthermore, demolition of the East Wing will not involve ground-disturbing activities as part of NTP-2 activities. In order to prevent ground-disturbance, the East Wing’s foundation and footings will be left in place and removed during future phases of the Project. NTP-2 also does not include the construction of any permanent substation facilities, structures, walls, |

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NTP-2 Request

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Measure Not Applicable to NTP-2

Applicable to NTP-2 – Measure to be Implemented During Construction/Restoration/Operation

Applicable to NTP-2 – Pre-Construction Status Pending/Ongoing

Applicable to NTP-2 – Pre-Construction Status Complete/Approved

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|--|---|------------------------|--|
| | | | buildings or landscape installation. Therefore, this measure is not applicable to NTP-2 activities. |
| <p>MM AES-2: Minimize Clearing and Ground Disturbance and Restore Disturbed Areas to Pre-Project Conditions. Clearing and ground disturbance required for construction, operation, and maintenance, including, but not limited to, access roads, pulling sites, construction and maintenance pads, and construction laydown areas, will be the minimum required, and the applicant will consult with the CPUC to identify and implement methods to restore disturbed areas to pre-construction conditions for all areas not required for operation and maintenance. The applicant will consult with the CPUC to identify and implement methods to restore disturbed areas to conditions that would blend with the overall landscape character, to the extent feasible. Areas around new or rebuilt transmission structures that must be cleared during the construction process or other areas of ground disturbance will be regraded and revegetated to restore these areas to an appearance that will help blend them into the overall landscape character.</p> | During Construction, Restoration, and Operation | Applicable | NTP-2 activities will occur within the substation site that is part of the Project’s permanent impact area needed for operation and maintenance; therefore, permanent restoration is not required. However, at the completion of the potholing, fence relocation and communication pole removal, all holes will be backfilled and compacted. |
| <p>MM AES-3: Screen or Effectively Locate Laydown Areas. Laydown areas within view of residences, scenic roads, and recreational facilities will be effectively located to limit views (aesthetic effects) of materials, equipment, vehicles, and other items used during construction. Staging and laydown areas that cannot be located away from public views will be screened using opaque fencing or landscaping to limit aesthetic effects. Where laydown areas are visible from publicly accessible areas and roads, any associated signage will be kept to the minimum necessary to communicate information about the project, safety, and security. All laydown areas will be effectively reclaimed immediately following completion of their use.</p> | During Construction and Restoration | Applicable | SDG&E will implement this measure during NTP-2 activities. A construction fence (with screening) is included as part of NTP-2 activities that would limit views of site preparation and staging activities. |
| <p>MM AES-4: Glare and Color Contrast Reduction for Transmission Structures and Conductors. To reduce potential glare and color contrast for components of the project, the finish on all new transmission structures will be non-reflective (e.g., steel that has been galvanized and treated to create a dulled finish) to reduce light reflection and color contrast and help blend the structures into the landscape setting. All new transmission conductors will be non-specular to minimize conductor reflectivity and help blend them into the landscape setting.</p> | During Construction | Not Applicable | NTP-2 does not include the installation of transmission structures or conductors. |
| <p>MM AES-5: Shield or Downcast Construction Lighting. To reduce the potential for visual impacts associated with construction lighting, lighting for construction activities will be limited to an amount required for safety of construction personnel and security of construction equipment. In order to minimize the effect of light pollution in the surrounding area, all construction lighting will be operated and oriented to mostly or fully eliminate off-site light spill at all times.</p> | During Construction and Restoration | Applicable | SDG&E will implement MM AES-5 during NTP-2 activities, specifically for any lighting associated with security features and construction trailers. |

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|--|-------------------------------------|------------------------|---|
| AIR QUALITY | | | |
| <p>APM AQ-1: Control Fugitive Dust Emissions. The applicant would minimize fugitive dust by:</p> <ul style="list-style-type: none"> • Using a gravel apron to reduce mud/dirt track-out from unpaved truck exit routes. • Applying water to disturbed areas within a construction site. • Limiting the onsite vehicles to a 15-mph speed limit on unpaved roads. If necessary, SDG&E or its contractor(s) can install speed monitoring equipment at strategic locations and along project roads. • Requiring all trucks hauling dirt, sand, soil, or other loose material to be covered with a fabric tarp and maintain a freeboard height of 12 inches. • Applying a cover to storage piles when wind events are declared. <p>Requiring local streets to be swept by Rule 1186-compliant PM10 efficient vacuum units a minimum of once per month.</p> | During Construction and Restoration | Applicable | SDG&E will implement this measure during NTP-2 activities. |
| <p>APM AQ-2: Minimize NOx and Particulate Matter (PM) Emissions from Off-Road Diesel-Powered Construction Equipment. Where available, SDG&E will ensure that all off-road diesel-powered construction equipment with engines greater than 50 horsepower are compliant with Tier 4 interim or Tier 4 off-road emissions standards, as specified by the phase-in schedule below:</p> <p>2015: 5% Tier 4 interim engines 2016: 10% Tier 4 engines 2017: 20% Tier 4 engines 2018: 30% Tier 4 engines 2019: 40% Tier 4 engines 2020: 50% Tier 4 engines</p> <p>In the event equipment with a Tier 4/Tier 4 interim engine is not available for any off-road engine larger than 50 hp, that engine shall be operated with tailpipe retrofit controls that reduce exhaust emissions of NOx and PM to no more than Tier 3 emission levels.</p> <p>Equipment with an engine not compliant with the Tier 4/Tier 4 interim standard will be allowed only when the applicant has performed (and documented) a good faith effort (due diligence) to locate Tier 4 and/or Tier 4 interim equipment in the Project vicinity (defined as within 200 miles of the Project site). Use of older equipment (operated with tailpipe retrofit controls that reduce exhaust emissions of NOx and PM to no more than Tier 3 emission levels) would be allowable following due diligence and associated documentation that no Tier 4/Tier 4 interim equipment (or emissions equivalent retrofit equipment) is available for a particular equipment type. Each</p> | During Construction and Restoration | Applicable | NTP-2 activities will utilize off-road diesel-powered construction equipment with engines greater than 50 horsepower and that are compliant with Tier 4 interim or Tier 4 off-road emissions standards. In the event that non-Tier 4 equipment is unavailable, documentation or due diligence will be submitted to the CPUC per APM AQ-2. |

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|---|--|------------------------|---|
| <p>case shall be documented with written correspondence (or signed statement and electronic mail) by the appropriate construction contractor, along with documented correspondence from at least two construction equipment rental firms providing equipment within the defined project vicinity (200 miles). Documentation of due diligence will be submitted to CPUC staff for before equipment is used on the project.</p> <p>The applicant will make available to CPUC staff and/or construction monitors a copy of each piece of construction equipment's certified tier specification, BACT documentation, and/or CARB or SCAQMD operating permit, as applicable, at the time of mobilization of each applicable unit of equipment.</p> | | | |
| <p>MM AQ-1: Oxides of Nitrogen (NO_x) Credits. The emissions of NO_x due to construction of the proposed project will be mitigated through the purchase of Regional Clean Air Incentive Market Trading Credits (RTCs) for every pound of NO_x emissions in excess of the SCAQMD regional significance threshold of 100 pounds per day. The total amount of NO_x RTCs to be purchased will be calculated when the construction schedule is finalized. The applicant will purchase and submit the required RTCs to the SCAQMD at least 60 days prior to the start of each construction year for the upcoming year of construction. The applicant will also track actual daily emissions during construction according to a monitoring plan that includes records of equipment and vehicle usage.</p> | Pre-construction and during Construction | Applicable | <p>Complete. As per the 2017 and 2018 NOX Construction Emissions Mitigation Analysis Memo submitted to the CPUC on 11/3/2017, estimated emissions for 2017 and 2018 construction activities, including NTP-2 activities, are below the 100 pounds per day threshold. Therefore, no credits need to be purchased for work associated with this NTP. SDG&E will track actual daily emissions during construction as required by the Project's monitoring plan.</p> |
| BIOLOGICAL RESOURCES | | | |
| <p>SDG&E Subregional Natural Community Conservation Plan (NCCP)/Habitat Conservation Plan (HCP) Operational Protocols: See Appendix O.</p> | Pre-construction, during Construction, and Operation | Not Applicable | <p>NTP-2 activities will not occur within natural areas subject to the requirements of the NCCP/HCP. Please refer to Attachment A, San Juan Capistrano Substation – Biological Field Survey Report for additional details regarding the substation's biological resources.</p> |
| <p>MM BR-1: Limit Construction to Designated Areas and Protect Riparian, Aquatic, and Wetland Areas. In all project locations, vehicular traffic (including movement of all equipment) will be restricted to established construction areas indicated by flagging and signage. CPUC notification</p> | Pre-construction, during Construction, | Applicable | <p>Complete. All NTP-2 activities will be limited to the substation site that is part of the Project's permanent impact area.</p> |

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|--|-----------------------------------|------------------------|--|
| <p>and approval will be required for any additional disturbance areas already identified and evaluated for the project pursuant to CEQA. As feasible, the applicant shall use disturbed or low habitat value areas before using undisturbed or higher quality habitat areas, as determined by a qualified biologist. Prior to ground disturbing activities, sensitive resources, such as waterbodies, oak trees, special status plant populations, and natural communities, will be clearly marked and avoided.</p> <p>All aquatic features, including vegetated washes, creeks, drainages (ephemeral and perennial), and riparian areas, will be spanned by the 230-kV transmission and 12-kV distribution line where possible. If construction will occur within 200 feet of an aquatic feature, biological monitors will establish and maintain a minimum exclusionary buffer of 50 feet from the delineated extent of all jurisdictional wetland features. If the applicant cannot maintain the 50-foot exclusionary buffer, the applicant will submit best management practices (BMPs) to the CPUC for review and approval prior to construction. In addition, if the applicant is unable to maintain the 50-foot buffer, the applicant shall consult with USACE and CDFW regarding potential impacts to streams or wetlands.</p> <p>If nighttime lighting is necessary adjacent to aquatic areas, lighting shall be shielded away from these areas to prevent impacts on aquatic wildlife.</p> | and Operation | | There are no riparian, aquatic or wetlands areas and no occurrences of state or federally listed species onsite. Please refer to Attachment A, San Juan Capistrano Substation – Biological Field Survey Report for additional details regarding the substation’s biological resources. This measure will be implemented during NTP-2 activities. |
| <p>MM BR-2: Biological Monitoring. CPUC-approved, qualified biological monitors will be present during construction and restoration activities in areas where sensitive resources identified by a CPUC-approved biologist may be impacted by construction of the project. Biological monitors will be assigned to the project in areas of sensitive biological resources. The monitors will be responsible for ensuring that impacts on special status species, native vegetation, wildlife habitat, or unique resources will be avoided to the fullest extent possible. Where appropriate, monitors will flag the boundaries of areas where activities will need to be restricted in order to protect native plants and wildlife or special status species. Those restricted areas will be monitored to ensure their protection during construction. The applicant shall submit the biological monitors’ daily monitoring reports and monthly biological monitoring reports to the CPUC, CDFW and USFWS.</p> | During Construction and Operation | Applicable | While the substation site is not identified as an area where sensitive resources are present, biological monitors may be onsite during NTP-2 activities as needed to monitor compliance with biological mitigation measures and applicable Plans. For example, biological monitors may be onsite to clear vegetation of non-sensitive species such as snakes, ahead of clearing crews. |

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|---|--|------------------------|---|
| <p>MM BR-3: Preconstruction Surveys.</p> <p>a. Preconstruction surveys will be conducted by CPUC-approved, qualified biologists according to standardized methods. Surveys will encompass all construction areas. Existing baseline vegetation data will be used during post-construction restoration efforts, as outlined in Section 7 of the SDG&E Subregional NCCP/HCP. Preconstruction surveys will take place for each discrete work area within 14 days of the start of ground disturbance, or if work has lapsed for longer than 14 days.</p> <p>b. Additionally, a CPUC-approved, qualified biologist will conduct preconstruction clearance sweeps for special status species at all access, staging, and work areas where suitable habitat is present within approximately 24 hours of construction and restoration activities each day.</p> <p>c. In addition to these preconstruction surveys, a CPUC-approved biologist will conduct protocol-level surveys for coastal California gnatcatcher and least Bell's Vireo along the proposed 12-kV distribution line where surveys have not yet taken place. A CPUC-approved biologist will also perform protocol-level southwestern willow flycatcher and rare plant surveys throughout the entire project area, where suitable habitat exists.</p> <p>If a special status species is found at any time, the CPUC will be notified within 48 hours, and the CPUC will determine the need for additional consultation with the appropriate resource agency or agencies.</p> | Pre-construction (no more than 14 days). | Applicable | <p>Ongoing. a. Resumes for qualified biologists were submitted to the CPUC on 08/30/17. CPUC approval of the resumes is required prior to the start of NTP-2 activities. Preconstruction surveys will be performed prior to start of NTP-2 activities as required; however, NTP-2 activities will not impact any areas covered by the NCCP/HCP.</p> <p>b. Suitable habitat is not present within NTP-2 work areas; therefore, this portion of the measure is not applicable.</p> <p>c. Suitable habitat is not present within NTP-2 work areas; therefore, this portion of the measure is not applicable.</p> <p>If special status species are found during construction, the CPUC will be notified as required.</p> |
| <p>MM BR-4: Limit Removal of Native Vegetation Communities and Trees. The removal of native vegetation and trees will be limited to the minimum practicable area required for construction of the project. To the extent feasible, grading, grubbing, graveling, or paving will only occur for permanent project components. Temporary staging areas will be used in such a way that it facilitates post-construction restoration, per Section 7 of the SDG&E Subregional NCCP/HCP. Drive-and-crush methods will be employed, with the exception of those areas where this method is not feasible for temporary staging areas for safety reasons and placement of temporary structures, such as construction trailers and drop tanks.</p> | During Construction and Restoration | Applicable | Vegetation and tree removal will be limited to the substation site (a permanent impact component as described in the Project's FEIR needed for operations and maintenance of the substation), which mainly consists of non-native vegetation. |
| <p>MM BR-5: Avian Safe Building Standards. The applicant will design all transmission structures installed as part of the proposed project to be consistent with the Suggested Practices for Raptor Protection on Power Lines: The State of the Art in 2006 (APLIC 2006).</p> | Pre-construction | Not Applicable | NTP-2 does not include the design or construction of transmission structures. As such, Avian Safe Building Standards do not apply. |
| <p>MM BR-6: Migratory Birds and Raptors Impact Reduction Measures. The applicant will develop a Nesting Bird Management Plan in consultation with the USFWS, CDFW, and CPUC that outlines protective measures and BMPs that will be employed to prevent disturbance to active nests of both special status and Migratory Bird Treaty Act (MBTA) -protected bird species with</p> | Pre-construction, during Construction, and Restoration | Applicable | <p>Complete. The Nesting Bird Management Plan was approved by the CPUC on 8/16/2017. SDG&E incorporated comments received from</p> |

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|---|--------|------------------------|--|
| <p>the potential to occur in the project area. The Nesting Bird Management Plan will include the following components:</p> <ul style="list-style-type: none"> • Appropriate survey timing, extents, and methods, including dates of local breeding season when surveys must take place; monitoring and reporting protocol; protocol for determining whether a nest is active; and protocol for documenting, reporting, and protecting active nests within construction and restoration areas will be included in the Nesting Bird Management Plan. If preconstruction survey protocols exist for a-special status avian species with a potential to be impacted by the project, the plan will outline the implementation of these protocols. The survey area will include the construction area, plus an additional distance large enough to accommodate the protective buffer of MBTA-protected bird species likely to occur in proximity to the construction area. The plan will also specify approved nest deterrent methods, inactive nest management, and state that project-related nest failures will be reported to the USFWS and CDFW. • Appropriate and effective buffer distances, including horizontal buffers from nests, horizontal buffers from territories, if appropriate, and vertical buffers for helicopters will be included. Buffers will not be based on generalized assumptions regarding all nesting birds, but will be specific to the site and species/guild and account for specific stage of nesting cycle and construction work type. During construction and restoration, a CPUC-approved avian biologist will implement the appropriate buffer distance in accordance with the plan, and a process for a reduction from the plan’s nesting buffer distances will be specified. Buffer reductions for special status species and raptors shall be determined upon consultation with USFWS, CDFW, and the CPUC. Buffer reductions for common species must be approved by the CPUC-approved avian biologist and USFWS, CDFW, and CPUC will be notified. • Vertical buffers would be based on anticipated effects of rotor wash and noise for each class of helicopter (i.e. Light Duty, Medium Duty, and Heavy Duty). Surveys and monitoring of the active buffer areas will be completed by a CPUC-approved biologist before, during, and after helicopter use in the vicinity of active buffers and reported to the CPUC. • The Nesting Bird Management Plan will include the minimum requirements to become a CPUC-approved avian biologist and biological monitor for nesting birds, including education, experience in conducting biological surveys, and experience with specific birds in the project area. • The CPUC-approved biological monitor will halt work if it is determined that active nesting will be disturbed by construction or restoration activities until further direction or approval to work is obtained from the CPUC and/or appropriate wildlife agencies. <p>The Nesting Bird Management Plan will be submitted to the USFWS, CDFW, and CPUC for review and comment no more than six months prior to the start of construction, with the intent that the plan will be finalized no more than two months prior to the start of construction. The final plan will be implemented during construction and restoration activities. A Nesting Tracker</p> | | | <p>CDFW on 7/12/2017 and USFWS on 7/18/2017 into the final approved Plan. SDG&E will implement the Plan as required during construction and will be enforced by the CPUC approved monitors onsite.</p> |

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Measure Not Applicable to NTP-2

Applicable to NTP-2 – Measure to be Implemented During Construction/Restoration/Operation

Applicable to NTP-2 – Pre-Construction Status Pending/Ongoing

Applicable to NTP-2 – Pre-Construction Status Complete/Approved

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|---|--|------------------------|---|
| will be maintained and updated weekly during the nesting bird season, and will be submitted to USFWS, CDFW, and CPUC on a monthly basis. This Nesting Tracker will contain data such as species, location, buffer, monitor name, and status of the nest. | | | |
| <p>MM BR-7: Coastal Cactus Wren Avoidance.</p> <p>a. Preconstruction Surveys. CPUC-approved biologists will perform preconstruction surveys in potential coastal cactus wren habitat within 200 feet of each discrete work area and record the location and quality. Preconstruction surveys will take place within two weeks prior to the start of ground disturbance or when work has lapsed for longer than two weeks.</p> <p>b. Conservation. Should suitable coastal cactus wren habitat patches be identified in or within 200 feet of work areas, the areas will be avoided to the greatest extent possible during construction. Habitat includes, but is not limited to, mature cholla or prickly-pear cactus typically less than 1 meter in height, interspersed with California sagebrush, California buckwheat, and blue elderberry. Habitat patches may be as small as approximately 1acre. Habitat patches located in close proximity to construction activities should be protected by physical barriers, such as rope or signage.</p> <p>c. Habitat Restoration Plan for Coastal Cactus Wren Habitat. Prior to construction of the proposed project, and with the coordination and review of USFWS and CDFW, SDG&E will prepare a habitat restoration plan for coastal cactus wren habitat. Details of the restoration plan will be finalized pending consultation between the applicant, SDG&E, USFWS, and CDFW. The restoration plan will be prepared by a qualified botanist familiar with this vegetation association. The plan will include the following elements: planting/reseeding species mentioned above in correct ratios so as to be suitable for coastal cactus wren; monitoring plan and schedule, including duration and performance criteria; and any specific measures that will be required to ensure success of the restoration effort. Suitable habitat will be replaced at a 1:1 ratio, and if SDG&E chooses to implement the restoration effort outside the project area, it must be no more than 3 miles away from the project area.</p> <p>d. Take Avoidance. Should biologists identify nesting coastal cactus wrens at any time during construction, biologists will implement a buffer around the nest that sufficiently protects the nesting pair from disturbance caused by construction activities, as determined by the project-specific Nesting Bird Management Plan. The nest should be monitored regularly according to methods outlined in the Nesting Bird Management Plan and the buffer must remain in place until construction is complete or the nest is no longer active.</p> | Pre-construction and during Construction and Restoration | Not Applicable | Coastal Cactus Wren habitat assessment was included in the Nesting Bird Management approved by the CPUC on 8/16/2017. Per the habitat assessment it has been determined that no suitable habitat for this species occurs within 200 feet of the NTP-2 activities. |
| <p>MM BR-8: Western Burrowing Owl Impacts Reduction Measures.</p> <p>a. Preconstruction Surveys for Burrowing Owls. Prior to ground disturbance, a CPUC-approved biologist will conduct preconstruction take-avoidance surveys for burrowing owls within 150</p> | Pre-construction and during Construction and | Applicable | Pending. A preconstruction take-avoidance survey will be conducted no more than 14 days prior to the start of |

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

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| <p>meters of project areas in suitable habitat no more than 14 days prior to ground-disturbing activities according to methods outlined in the CDFW’s 2012 (or most recent) Staff Report on Burrowing Owl Mitigation (CDFG 2012). Surveys will provide data on whether burrowing owls occupy the site and, if so, whether the owls are actively nesting.</p> <p>b. Burrowing Owl Impact Avoidance. If pre-construction take-avoidance surveys detect the presence of any active burrowing owl burrows during breeding season, the burrows will be avoided, and construction activities within 150 meters will be enclosed by construction fencing. Buffer sizes are outlined in the CDFW’s Staff Report on Burrowing Owl Mitigation. Active burrowing owl burrows should be monitored regularly according to methods outlined in the Nesting Bird Management Plan, and buffers should remain in place until the nest fledges or fails.</p> <p>c. Eviction. If, in consultation with the CDFW, it is determined that project activities require removal of occupied burrows, or burrows potentially occupied by burrowing owls, eviction and burrow closure may be required to ensure against “take” of owls or nests. However, eviction is required, it will occur only after consulting with CDFW and CDFW approval of a Burrowing Owl Exclusion Plan. Monitoring will be conducted to ensure take is avoided during eviction procedures. Owls may not be evicted or captured without prior authorization from the CDFW.</p> | Restoration | | <p>construction and the measure will be Implemented during construction as required.</p> <p>Note that Appendix D of the 2012 Staff Report on Burrowing Owl Mitigation states that surveys should be conducted “no less than 14 days”, but implementation of the surveys will conform to the requirements stated in this mitigation measure (i.e., “no more than 14 days”) because that approach precludes the possibility of burrowing owls re-colonizing a site after the surveys are conducted.</p> |
| <p>MM BR-9: Invasive Plant Control Measures. The applicant will use standard BMPs to avoid the introduction and spread of controllable invasive plant species such as tamarisk (<i>Tamarix</i> sp.) and giant reed (<i>Arundo donax</i>) during construction of the project. Proper handling during construction will include the following:</p> <ul style="list-style-type: none"> • All vehicles and equipment will be cleaned prior to arrival at the work site. • Crews, with construction inspector oversight, will ensure that vehicles and equipment are free of soil and debris capable of transporting noxious weed seeds, roots, or rhizomes before the vehicles and equipment are allowed use of access roads. • Straw or hay bales used for sediment barrier installations or mulch distribution will be obtained from state-cleared sources that are free of invasive weeds. <p>The applicant will develop an Invasive Plant Management Plan to outline the methods that will be employed to prevent the spread of invasive plants on site. This plan will be submitted to the CDFW and CPUC for review and comment no more than six months prior to the start of construction, with the intent to produce a final draft of the plan no later than two months prior to the start of construction.</p> | Pre-construction, during Construction and Restoration | Applicable | <p>Complete. The Invasive Plant Control Plan was approved by the CPUC on 8/14/2017. CDFW stated they had no comments on the Plan on 7/19/2017. SDG&E will implement the Plan as required during construction.</p> |
| <p>MM BR-10: Mitigation Plan Development. To ensure that the project is consistent with the SDG&E Subregional NCCP/HCP, the applicant will prepare and implement a Mitigation Plan for</p> | Pre-construction and during Construction | Not Applicable | <p>As described in the Attachment A, San Juan Capistrano Substation – Biological Field Survey Report, there is no habitat</p> |

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

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| <p>the project. The Mitigation Plan will:</p> <ul style="list-style-type: none"> • Detail a consultation process in accordance with Section 6.2.1 of SDG&E’s NCCP/HCP. Alternatively, an updated process and timeline can be developed as allowed by both USFWS and CDFW. • Require SDG&E to provide the CPUC with written confirmation from USFWS and CDFW that the consultation process has been carried out to the satisfaction of the agency and is consistent with the SDG&E Subregional NCCP/HCP. • Include a summary of the policies and procedures in the SDG&E Subregional NCCP/HCP that are relevant to other HCPs/NCCPs, conservation plans, and public or private conservation or preserve areas, including, but not limited to: <ul style="list-style-type: none"> – Operational protocols used in sensitive habitat areas; – Mitigation for temporary and permanent impacts, including habitat enhancement and mitigation credits; – Coordination and consultation procedures with the USFWS and CDFW; – Definition of preserve area according to the SDG&E Subregional NCCP/HCP; – Identification and mapping of areas that may qualify as a preserve area within 100 feet of any project component; and – A review of locations where there may be potential conflicts among conservation plans. • This plan will be submitted to the USFWS, CDFW, and CPUC for review and comment with the intent to produce a final draft of the plan, approved by the CPUC, no less than two months prior to the start of construction. Implementation of the Mitigation Plan, excluding any restoration or other physical habitat improvements that are required as a result of the agency consultation, will be implemented prior to the start of construction. | | | <p>within the proposed work area subject to the SDG&E Subregional NCCP/HCP; therefore, a Mitigation Plan is not application to NTP-2 activities.</p> |
| CULTURAL RESOURCES | | | |
| <p>APM CUL-1: Worker Training for Cultural Resources. Prior to the initiation of construction or ground-disturbing activities, all SDG&E, contractor, and subcontractor personnel would receive training regarding the appropriate work practices necessary to effectively implement the APMs and to comply with the applicable environmental laws and regulations, including the potential for exposing subsurface cultural resources and paleontological resources and to recognize possible buried resources. Training would inform all construction personnel of the anticipated procedures that would be followed upon the discovery or suspected discovery of archaeological materials, including Native American remains, and their treatment, as well as of paleontological</p> | <p>Pre-construction, during Construction and Restoration</p> | <p>Applicable</p> | <p>Ongoing. Worker Training (SEAP) has been developed and submitted to the CPUC on 07/07/2017. The SEAP training was first administered on September 13, 2017. All Project personnel will be required to participate in the SEAP prior to starting work on the Project. SEAP administration will remain ongoing</p> |

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| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
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| resources. | | | throughout construction for all new Project personnel. |
| <p>APM CUL-2: Cultural Resource Monitoring. A qualified archaeologist would attend preconstruction meetings, as needed, and a qualified archaeological monitor would monitor ground disturbing activities in the vicinity of all known cultural resources within the proposed project area. The requirements for archaeological monitoring would be noted on the construction plans. The archaeologist’s duties would include monitoring, evaluation of any finds, analysis of collected materials, and preparation of a monitoring results report conforming to Archaeological Resource Management Reports guidelines.</p> | During Construction and Restoration | Applicable | While ground-disturbing activities, defined as activities that would alter the existing elevations of the site, involve site development, grading, grubbing or tree root removal, is not planned, an archaeologist may be onsite or on-call during installation of the construction fence and/or vegetation removal. NTP-2 activities will be performed in compliance with the Project’s Cultural Resources Construction Monitoring Plan approved by the CPUC on 6/26/2017. |
| <p>APM CUL-3: Avoid Known Cultural Resources. Known cultural resources that can be avoided would be demarcated as Environmentally Sensitive Areas. Construction crews would be instructed to avoid disturbance of these areas.</p> | Pre-construction and during Construction | Applicable | Known cultural resources will be demarcated as Environmentally Sensitive Areas in compliance with the Project’s Cultural Resources Construction Monitoring Plan approved by the CPUC on 6/26/2017. |
| <p>APM CUL-4: Unanticipated Cultural Finds. In the event that cultural resources are discovered, the archaeologist would have the authority to divert or temporarily halt ground disturbance to allow evaluation of potentially significant cultural resources. The archaeologist would contact SDG&E’s Cultural Resource Specialist and Environmental Project Manager at the time of discovery. The archaeologist, in consultation with SDG&E’s Cultural Resource Specialist, would determine the significance of the discovered resources. SDG&E’s Cultural Resource Specialist and Environmental Project Manager must concur with the evaluation procedures to be performed before construction activities are allowed to resume. For significant cultural resources, a Research Design and Data Recovery Program would be prepared and carried out to mitigate impacts.</p> | During Construction and Restoration | Applicable | SDG&E will implement APM CUL-4 if unanticipated cultural resources are discovered in compliance with the Project’s Cultural Resources Construction Monitoring Plan approved by the CPUC on 6/26/2017. |
| <p>APM CUL-5: Curate Cultural Discoveries. All collected cultural remains would be cataloged and permanently curated with an appropriate institution. All artifacts would be analyzed to identify function and chronology as they relate to the history of the area. Faunal material would be identified as to species.</p> | During Construction and Restoration | Applicable | If necessary, SDG&E will collect, catalog, and curate cultural discoveries in compliance with the Project’s Cultural Resources Construction Monitoring Plan approved by the CPUC on 6/26/2017. |

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| <p>APM CUL-6: Archeological Monitoring Results Report. An archaeological monitoring results report (with appropriate graphics), which describes the results, analyses, and conclusions of the monitoring program, would be prepared and submitted to SDG&E’s Cultural Resource Specialist, SDG&E’s Environmental Project Manager, and the CPUC. Any new cultural sites or features encountered would be recorded with the <i>SCCIC</i> or <i>SCIC</i>.</p> | <p>During Construction and Restoration</p> | <p>Applicable</p> | <p>APM CUL-6 will be implemented by SDG&E as necessary and in compliance with the Project’s Cultural Resources Construction Monitoring Plan approved by the CPUC on 6/26/2017.</p> |
| <p>APM CUL-7: Monitoring by Native Americans. Native American monitoring may be implemented if transmission line construction has the potential to impact identified and mapped traditional locations and places. The role of the Native American monitor would be to represent tribal concerns and communicate with the tribal council. Appropriate representatives would be identified based on the location of the identified traditional location or place.</p> | <p>During Construction and Restoration</p> | <p>Not Applicable</p> | <p>NTP-2 is not associated with transmission line construction. Work associated with NTP-2 will not affect a traditional location or place.</p> |
| <p>APM CUL-8: Paleontological Monitoring. A paleontological monitor would work under the direction of a qualified project paleontologist and would be on site to observe excavation operations that involve the original cutting of previously undisturbed deposits with high paleontological resource sensitivity. A paleontological monitor is defined as an individual who has experience in the collection and salvage of fossil materials.</p> | <p>During Construction and Restoration</p> | <p>Applicable</p> | <p>While ground-disturbing activities, defined as activities that would alter the existing elevations of the site, involve site development, grading, grubbing or tree root removal, are not planned, a paleontologist may be onsite or on-call during installation of the construction fence, vegetation removal, and/or other NTP-2 work activities as required. Furthermore, all NTP-2 activities will be performed in compliance with the Project’s approved Paleontological Monitoring and Treatment approved on 08/29/2017.</p> |
| <p>APM CUL-9: Discovery of Fossils. In the event that fossils are encountered, the paleontological monitor would have the authority to divert or temporarily halt construction activities in the area of discovery to allow recovery of fossil remains in a timely fashion. The paleontologist would contact SDG&E’s Cultural Resource Specialist and Environmental Project Manager at the time of discovery. The paleontologist, in consultation with SDG&E’s Cultural Resource Specialist, would determine the significance of the discovered resources. SDG&E’s Cultural Resource Specialist and Environmental Project Manager must concur with the evaluation procedures to be performed before construction activities are allowed to resume. Because of the potential for recovery of small fossil remains, it may be necessary to set up a screen-washing operation on site. When fossils are discovered, the paleontologist (or paleontological monitor) would recover them along with pertinent stratigraphic data. In most cases, this fossil salvage can be completed in a short period of time. Because of the potential for recovery of small fossil remains, such as</p> | <p>During Construction and Restoration</p> | <p>Applicable</p> | <p>APM CUL-9 will be implemented as necessary activities in compliance with the Project’s Paleontological Monitoring and Treatment Plan which was approved by the CPUC on 08/29/2017.</p> |

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Measure Not Applicable to NTP-2

Applicable to NTP-2 – Measure to be Implemented During Construction/Restoration/Operation

Applicable to NTP-2 – Pre-Construction Status Pending/Ongoing

Applicable to NTP-2 – Pre-Construction Status Complete/Approved

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| <p>isolated mammal teeth, recovery of bulk sedimentary matrix samples for off-site wet screening from specific strata may be necessary, as determined in the field. Fossil remains collected during monitoring and salvage would be cleaned, repaired, sorted, cataloged, and deposited in a scientific institution with permanent paleontological collections, and a paleontological monitoring report would be written.</p> | | | |
| <p>APM CUL-10: Building of Distinction Requirements. The applicant proposes to take the following steps found in Council Policy 602, which applies to the alteration, modification, or demolition of “significant” structures:</p> <ol style="list-style-type: none"> 1. Advertise, for a period of three months, that the former utility structure may be available for relocation. 2. Prepare a photographic record of the former utility structure. Photographs will include: <ol style="list-style-type: none"> a. Each elevation; b. Close-ups of any unusual or unique architectural features; and c. Views of the structure from a distance. <p>In addition, measured drawings or plans will be included.</p> <p>If not relocated, allow the removal of any architectural elements of the former utility structure for a period of two weeks at the expense of any local historic interest group or organization removing the element.</p> | Pre-construction | Applicable | <p>Complete. Historic American Building Survey (HABS) photographic documentation showing the elevation, close-ups of architectural features and views from a distance was completed for the former utility structure on August 15, 2017 and submitted to the CPUC on 09/29/2017.</p> <p>As described in the Historic Architect Monitoring Plan, that was approved by the CPUC on 10/04/2017, advertisement is no longer applicable since the former utility structure will not be relocated and there are no architectural elements that would be appropriate for removal.</p> |
| <p>MM CUL-1: Supplemental Worker Training for Cultural Resource. As a supplement to APM CUL-1, this measure requires the applicant to incorporate the following specific topics into the pre-construction cultural resource training for all on-site personnel:</p> <ul style="list-style-type: none"> —Describe the role of cultural and paleontological resources monitors and the role of Native American monitors; —Describe the types of cultural and paleontological resources that may be found in the project area; —Describe the potential for human remains to be discovered during ground disturbing activities; and —Describe the penalties associated for breaking the laws relevant to the protection of cultural and paleontological resources. <p>The cultural and paleontological resources training components will be developed by a CPUC-approved cultural resources consultant (see MM CUL-3) and CPUC-approved paleontological consultant (see MM CUL-6). The applicant shall provide a copy of the training material and trainee sign-in sheets to the CPUC prior to construction.</p> | Pre-construction, during Construction, and Restoration | Applicable | <p>Complete. Worker Training has been developed and submitted to the CPUC on 07/07/2017. Trainee sign-in sheets were provided to the CPUC on 10/04/2017. All Project personnel will be required to participate in the SEAP prior to starting work on the Project. SEAP administration will remain ongoing throughout construction for all new Project personnel.</p> |

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| <p>MM CUL-2: Construction Monitoring Plan. Prior to construction, the applicant will submit a Construction Monitoring Plan for the proposed project, prepared by the approved consultant(s) (MM CUL-3) for review and approval by the CPUC. The final Construction Monitoring Plan shall be implemented, as specified, throughout construction and restoration. The Construction Monitoring Plan shall, at a minimum:</p> <ul style="list-style-type: none"> • Identify areas where native soil will be disturbed by construction or restoration of the proposed project or where known cultural resources (APM CUL-2) occur in the project area as areas that will be monitored by a CPUC-approved archaeologist. • Confirm that archeological monitoring will be performed during all ground disturbing activities along Segment 1a of the 230-kV transmission line, Segment A of the 12-kV distribution line, and within the proposed San Juan Capistrano Substation to prevent potential damage to buried Juaneño/Acjachemen deposits. • Describe monitoring procedures that will take place for each project component area, as required. • Describe how often monitoring will occur (e.g., full time, part time, spot checking). • Describe monitoring reporting requirements (APM CUL-6). • Describe the Testing and Evaluation Plans and Data Recovery Plans (APM CUL-4 and APM CUL-5). • Include contact information for those to be notified or reported to. | Pre-construction, during Construction, and Restoration | Applicable | Complete. The Construction Monitoring Plan was approved by the CPUC on 06/26/2017. The Construction Monitoring Plan will be implemented during construction. |
| <p>MM CUL-3: Qualified Cultural Resources Consultants. The applicant will retain the services of qualified professional (CPUC-approved) cultural resources consultants who meet or exceed the United States Secretary of the Interior qualification standards for professional archaeologists published in 36 Code of Federal Regulations (CFR) 61 and who have experience working in the jurisdictions traversed by components of the proposed project sufficient to identify the full range of cultural resources that may be found in the proposed project area. The consultants will also have knowledge regarding the cultural history of the proposed project area. The resumes and supporting information for each cultural resource consultant will be submitted to the CPUC for approval. At least one qualified cultural resources consultant must be approved by the CPUC prior to start of construction.</p> | Pre-construction | Applicable | Complete. The CPUC approved a qualified cultural resource consultant on 04/27/2017. |
| <p>MM CUL-4: Native American Consultation and Participation Planning. As a supplement to APM CUL-7, prior to construction, the applicant will provide evidence to the CPUC that tribes requesting consultation with the applicant regarding the project design and impacts on cultural resources were consulted. In addition, the applicant will provide evidence to the CPUC that</p> | Pre-construction, during Construction, and Restoration | Applicable | Complete. SDG&E submitted a Native American Monitoring Plan (NAMP) to the CPUC on 07/26/2017 and submitted to the tribes on 07/27/2017. A copy of the |

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| <p>tribes that express interest in the project during any phase (i.e., project application through end of construction and restoration) have been given the opportunity to participate in additional cultural resources surveys (MM CUL-5) and/or cultural resources monitoring when performed by a CPUC-approved cultural resources consultant (MM CUL-3).</p> <p>To outline the expected duties and responsibilities of all parties involved, the applicant and a CPUC-approved cultural resources consultant will submit a Native American Participation Plan prior to construction. The final Native American Participation Plan shall be implemented, as specified, throughout construction and restoration. Tribes that have expressed interest in the project prior to construction will be given the opportunity to participate in development of the plan. At a minimum, the plan will specify that:</p> <ul style="list-style-type: none"> • Native American monitors, if approved by a tribe, are expected to participate in worker environmental awareness and health and safety training and follow all health and safety protocols. • Attendance by Native American monitors during construction and restoration of the proposed project is at the discretion of the tribe, and the absence of a Native American monitor, should the tribes choose to forgo monitoring for some reason, will not delay work. • The Native American monitors will have the ability to notify a CPUC-approved cultural resources consultant who has the authority to temporarily stop work (MM CUL-3) if they find a cultural resource that may require recordation and evaluation. • Interpretation of a find will be requested from Native American monitors involved with the discovery, evaluation, or data recovery of unanticipated finds for inclusion in the final Cultural Resources Report. • The tribes involved with preparation of the Native American Participation Plan will be given the opportunity to participate in the development of Testing and Evaluation Plans and Data Recovery Plans (MM CUL-2) if the development of these plans is required. • Native American monitors approved by a tribe for monitoring work on the project will be notified 30 days prior to start of construction of the various project components. • The Native American monitors will be compensated for their time. If more than one tribal group wishes to participate in the monitoring, SDG&E will work out an agreement for sharing of monitoring compensation. • Define a process to inform tribes of completed cultural surveys and to provide a copy of the survey to interested tribes. | | | <p>8/14/2017 response received from the Juaneno Band of Acjachemen Nation indicating that they had no comments on the NAMP was submitted to the CPUC on 8/17/2017. The NAMP will be implemented during construction.</p> |

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| <p>MM CUL-5: Additional Cultural Resources Surveys. Prior to issuance of the notice to proceed, the applicant will ensure that qualified archaeological consultants, as specified in MM CUL-3, will conduct intensive-level cultural resources surveys (transects no greater than 10 meters) for all areas to be disturbed that have not already been surveyed for cultural resources and that, prior to the project, had been undisturbed. Surveys shall also include a California Historic Resources Information System search and Native American Heritage Commission Sacred Lands file database search. Reports that specify the research design, methods, and survey results will be submitted to the CPUC for review and must be accepted by the CPUC prior to the start of ground disturbance in the previously unsurveyed areas.</p> | Pre-construction | Not Applicable | The location of all NTP-2 activities, including the San Juan Capistrano Substation, has been previously surveyed; therefore, MM CUL-5 does not apply. |
| <p>MM CUL-6: Qualified Paleontological Consultants. The applicant will retain the services of qualified professional paleontological consultants with knowledge of the local paleontology and the minimum levels of experience and expertise, as defined by the Society of Vertebrate Paleontology’s Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources (2010). The resumes and supporting information for each paleontological consultant will be submitted to the CPUC for approval. At least one qualified paleontological consultant must be approved by the CPUC prior to start of construction.</p> | Pre-construction | Applicable | Complete. The CPUC approved SDG&E’s qualified paleontological consultant on 04/27/2017. |
| <p>MM CUL-7: Paleontological Monitoring and Treatment Plan. Prior to start of construction, the applicant will submit a Paleontological Monitoring and Treatment Plan for the proposed project that is prepared by a CPUC-approved paleontological consultant (MM CUL-6) to the CPUC for approval. This plan will be adapted from the Society of Vertebrate Paleontology’s Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources (2010) to specifically address each project component. In addition, the plan will, at a minimum:</p> <ul style="list-style-type: none"> • Describe the criteria used to determine whether an encountered resource is significant and if it should be avoided or recovered. • Identify construction and restoration impact areas of moderate to high sensitivity for encountering paleontological resources and the shallowest depths at which those resources may be encountered. • Describe methods of recovery, preparation, and analysis of specimens, final curation of specimens at a federally accredited repository, data analysis, and reporting. • Briefly identify and describe the types of paleontological resources that may be encountered. • Describe monitoring procedures that will take place for each component of the project that requires monitoring. • Describe how often monitoring will occur (e.g., full time, part time, spot checking), as well as | Pre-construction, during Construction, and Restoration | Applicable | Complete. The Paleontological Monitoring and Treatment Plan (PMTP) was approved by the CPUC 08/29/2017. The approved PMTP will be implemented during construction. |

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| <p>the circumstances under which monitoring will be increased or decreased.</p> <ul style="list-style-type: none"> Describe the circumstances that will result in the halting of work. Describe the procedures for halting work and for notifying construction and restoration crews when work is to be halted and to be resumed. Include testing and evaluation procedures for resources encountered. Describe procedures for curating any collected materials. Outline coordination strategies to ensure that the CPUC-approved paleontological consultant (MM CUL-6) conducts full-time monitoring of all grading activities in sediments determined to have a moderate to high sensitivity. Include reporting procedures. Include contact information for those to be notified or reported to. <p>For sediments of low or undetermined sensitivity, the Paleontological Monitoring and Treatment Plan will specify the level of monitoring necessary. Sediments with no sensitivity will not require paleontological monitoring. The plan will define specific conditions in which monitoring of earthwork activities could be reduced and/or depth criteria established to trigger monitoring. These factors will be defined by an approved (MM CUL-6) paleontologist.</p> | | | |
| <p>MM CUL-8: Preservation of Former Utility Structure at Capistrano Substation. The applicant shall incorporate the following design specifications at Capistrano Substation and features shown in Appendix S of this EIR with the purpose to rehabilitate the west wing of the former utility structure at Capistrano Substation per the Interior’s Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings:</p> <ul style="list-style-type: none"> Replacement of the current landscaping with landscaping that returns the existing utility structure’s setting to an earlier appearance. Construction of an approximately 5-foot-tall retaining wall parallel to the northern and eastern walls of the retained west wing. Construction of a masonry wall approximately 10 feet tall on the inside of the western perimeter of the substation. When viewed from the exterior, the masonry would vary from 12 to 15 feet in height due to grading behind the substation wall. The northern and southern perimeter walls would remain at approximately 10 feet in height. The existing utility structure shall remain approximately 4 inches from the western perimeter wall. The southern and western walls of the retained portion of the existing substation shall be | Pre-construction, and during Construction | Applicable | Complete. NTP-2 activities do not include any activities associated with the west wing of the former utility structure. However, SDG&E will implement MM CUL-8 during NTP-2 activities associated with the demolition of the east wing of the former utility structure. In addition, as outlined in MM CUL-8, SDG&E will implement the CPUC approved Historic Architect Monitoring Plan during construction. |

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| <p>located outside of the secured substation facility and will be visible from Camino Capistrano. The northern and eastern walls of the existing utility structure shall effectively act as part of the substation security wall.</p> <ul style="list-style-type: none"> • Installation of new steel doors to replace the doors in the southern, eastern, and northern walls of the existing utility structure. The northern and eastern doors will serve as part of the security wall. • Construction of a driveway from the main substation access to the structure’s southern door. • Set back the southern driveway vehicle access gate by approximately 80 feet from Camino Capistrano. • Set back the northern driveway access gate by approximately 35 feet from Camino Capistrano. • The northern and southern vehicular access gate shall be approximately 30 feet wide. Each pair of gates will be made of black wrought iron and be approximately 15 feet in width. • Grading and the phased site development would be similar to that of the Proposed Project Substation. <p>Modifications to the existing utility structure shall include:</p> <ul style="list-style-type: none"> • East Wing Demolition: Retain 12 inches of roof and walls where the east wing intersects the west wing of the existing structure. This will allow the remaining portion of the roof and wall visually to read as a “ghost” of the east wing once it is removed. • West Wing Rehabilitation: <ul style="list-style-type: none"> - Western Wall: the exterior wall, concrete wall iron jacking, and windows will be repaired. Security bars will be installed on all interior windows. - Northern Wall: Deteriorated, non-original, sidelights, and transom windows shall be replaced to match the original. Those that are replaced shall be made from steel rather than wood for increased security. Door assembly does not require glazing, but shall be constructed exclusively of steel following the original pattern. This wall and replacement door will only be accessible from the interior. - Eastern Wall: The interior door shall be replaced with a new exterior door that matches the original but is designed for exposure to the elements. Glazing is not required for the door or existing windows, but design should follow the original pattern. The eastern wall, window, and door will only be accessible from the interior. - Southern Wall: Deteriorated, non-original, sidelights, and transom windows shall be replaced to match the original. Those that are replaced shall be made from steel rather than wood for increased security. Door assembly does not require glazing, but shall be | | | |

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| <p>constructed exclusively of steel following the original pattern. Due to visibility from the street, the door. should include translucent wire glass at the transom. Where glazing occurs at the transom, security bars shall be installed on the interior.</p> <ul style="list-style-type: none"> - Interior Window Sills: Where water damage has occurred, windows sills shall be repaired. - Interior Crane: The movable crane shall be retained. - Lighting: A lighting plan shall be developed and implemented. It will include manually operating exterior wall sconces on the north and south walls. <p>The applicant shall prepare and implement a historic architect monitoring plan. The plan shall include, but shall not be limited to, the following information:</p> <ul style="list-style-type: none"> • Qualifications of the historic architect monitor (must meet the Secretary of the Interior’s Professional Qualifications Standards); • Activities that shall be monitored by the historic architect monitor; • Authority given to the historic architect monitor to halt construction on the former utility structure in order to prevent damage to the structure; • Procedures that the historic architect monitor will follow to halt construction and the procedures to restart construction; and • Reporting procedures for the historic architect. <p>The historic monitoring plan shall be submitted to the CPUC for approval at least six weeks prior to start of construction on the former utility structure.</p> <ul style="list-style-type: none"> • The applicant shall also prepare a Historic American Building Survey (HABS) photographic documentation for the utility structure before the east wing is removed. The applicant shall provide the HABS documentation to the CPUC at least six weeks prior to start of construction on the former utility structure. | | | |

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

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|---|--|------------------------|---|
| GEOLOGY, SOILS, AND MINERAL RESOURCES | | | |
| <p>APM GEO-1: Conduct an Engineering-level Geotechnical Investigation for Liquefaction Potential and Implement Recommended Design Measures. A geologic hazard evaluation was conducted by URS in 2008 to evaluate the pole locations along the Proposed Project transmission line route for the presence of geologic hazards that may affect the new towers and poles. The geologic hazard evaluation indicated the presence of geologic conditions potentially susceptible to liquefaction at the locations of proposed Pole Nos. 8, 9 and 10. Prior to construction, an engineering-level geotechnical investigation would be performed at these locations under the supervision of a California Certified Engineering Geologist or California licensed Geotechnical Engineer to further evaluate the liquefaction potential at each of these pole locations and to develop design measures to minimize the potential for damage to Proposed Project structures in the event of strong ground shaking. Recommendations of the geotechnical investigation would be incorporated into the final design for these structures. These recommendations would include augmented grading practices, expanded erosion control measures and deeper foundations.</p> | Pre-construction, during Construction, and Restoration | Not Applicable | The construction of poles and towers are not included in NTP-2. |
| <p>APM GEO-2 Conduct an Engineering-level Geotechnical Survey for Landslides and Implement Recommended Design Measures to Ensure Slope Stability is not Impacted and the Potential for Damage to Protect Structures is Minimized. A geologic hazard evaluation was conducted by URS in 2008 to evaluate the structure locations along the Proposed Project transmission line route for the presence of geologic hazards that may affect the new towers and poles. The geotechnical hazard evaluation identified areas with recent and ancient landslides along the Proposed Project transmission line route due to unstable slope conditions in portions of both the Capistrano and Monterey formations Prior to construction, an engineering-level geotechnical investigation would be performed at each pole location along the transmission line route that is in or near a mapped landslide or other unstable slope condition. This investigation would be performed under the supervision of a California Certified Engineering Geologist or California licensed Geotechnical Engineer, and would identify protection measures to be designed and implemented to ensure that the Proposed Project does not materially increase slope stability risks and to minimize potential for damage to Proposed Project structures in the event of landslides. These recommendations would include augmented grading practices, expanded erosion control measures and deeper foundations.</p> | Pre-construction, during Construction, and Restoration | Not Applicable | The construction of poles and towers are not included in NTP-2. |
| <p>MM GEO-1: Conduct an Engineering-level Geotechnical Investigation for Liquefaction Potential and Implement Recommended Design Measures. Prior to construction, an engineering-level geotechnical investigation shall be performed at Pole Nos. 1a through h5a under the supervision of a California Certified Engineering Geologist or California licensed Geotechnical Engineer to further evaluate the liquefaction potential at each of these pole</p> | Pre-construction, during Construction, and Restoration | Not Applicable | The construction of poles and towers are not included in NTP-2. |

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| locations and to develop design measures to minimize the potential for damage to proposed project structures in the event of strong ground shaking. Recommendations of the geotechnical investigation shall be incorporated into the final design for these structures. | | | |
| GREENHOUSE GASES | | | |
| <p>APM GHG-1: Operations Emissions Controls. SDG&E developed this APM to ensure that sulfur hexafluoride is properly managed. SDG&E would implement its existing sulfur hexafluoride mitigation strategies during the operation and maintenance of sulfur hexafluoride-containing equipment installed as part of the proposed project. These strategies include:</p> <ul style="list-style-type: none"> • Recording company-wide sulfur hexafluoride purchases, use, and emissions rates to comply with the USEPA’s requirements for Electrical Transmission and Distribution Equipment Use (Mandatory Reporting of Greenhouse Gases, 40 CFR Part 98, Subpart DD) and the CARB’s Regulation for Reducing Sulfur Hexafluoride Emissions from gas-insulated switchgear (Code Regs. Tit. 17, § 95350-95359); • Implementing a sulfur hexafluoride recycling program; • Training employees on the safety and proper handling of sulfur hexafluoride; • Continuing to report GHG emissions with the Climate Registry; and • Implementing SDG&E’s sulfur hexafluoride leak detection and repair program. This program includes monthly visual inspections of each GCB, which includes checking pressure levels within the breaker and recording these readings in SDG&E’s Substation Management System. During the installation or major overhaul of any GCB, the unit is tested over a 24-hour period to ensure no leaks are present. Minor overhauls of each GCB are conducted every 36 to 40 months to check overall equipment health. This process includes checking gas pressure, moisture ingress, and sulfur hexafluoride decomposition. If the GCB fails any of these checks, the unit is checked for leaks and repaired. In addition, all GCBs are equipped with a gas-monitoring device and alarm that automatically alerts SDG&E’s Grid Operations Center. If gas pressure approaches minimum operating levels, an alarm is immediately reported to SDG&E’s Substation Construction and Maintenance Department. The GCB is usually inspected for leaks within 24 hours of such an alarm. SDG&E’s leak detection practice includes the following three methodologies: <ul style="list-style-type: none"> – Spraying a leak-detection agent onto common leak points—including O rings, gaskets, and fittings; – Using a field-monitoring device (sniffer) to detect the presence of sulfur hexafluoride gas; and – Using a laser-detection camera to detect the presence of sulfur hexafluoride gas when the | During Operation | Not Applicable | NTP-2 activities do not involve installation of equipment containing sulfur hexafluoride. |

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| above two methods are unsuccessful in finding a leak. | | | |
| HAZARDS AND HAZARDOUS MATERIALS | | | |
| <p>APM HAZ-1: Conduct Environmental Site Assessment. Prior to the start of earth disturbance activities at the upper yard portion of the existing Capistrano Substation site, a Phase II Environmental Site Assessment (soil sampling) would be performed and, if any contaminated soil is found to be present, contaminated soils would be managed, removed, transported, and disposed of in accordance with all applicable laws, ordinances and safety standards. The Environmental Site Assessment would be completed pursuant to American Society for Testing and Materials International standard requirements.</p> | Pre-construction | Applicable | <p>Complete. The Phase II assessment is complete and included as part of the Hazardous Materials and Waste Management Plan (HMWMP) that was approved by the CPUC on 09/07/17 and through Addendum No. 1 of the HMWMP submitted to the CPUC on 11/1/2017.</p> |
| <p>APM HAZ-2: Hazardous Materials and Waste Management Plan. The applicant would prepare a project-specific Hazardous Materials and Waste Management Plan (HMWMP) following final CPUC project approval and be submitted to the CPUC prior to issuance of any applicable Notice to Proceed for the project. Handling, recycling, and waste transportation, and temporary waste storage procedures would be outlined within the HMWMP. The project-specific HMWMP would include site-specific procedures and would be developed based on SDG&E standards and applicable hazardous materials laws, standards, and regulations. Sampling and cleanup levels would be established in the HMWMP as follows:</p> <ul style="list-style-type: none"> • Confirmation samples would be taken to ensure that site conditions are consistent with current and proposed land uses (i.e., electric substation); • Confirmation samples would be taken, utilizing industry standard testing methods (e.g. EPA Methods), for appropriate site specific contaminants of concern; • Final sampling procedures would be included within the project-specific HMWMP; and • Final cleanup levels would be identified in the HMWMP and be consistent with acceptable levels for Commercial Industrial land uses. <p>Plans for the unanticipated discovery of contaminated soil and/or groundwater during construction would be included in the HMWMP, including:</p> <ul style="list-style-type: none"> • Procedures in response to the discovery of contaminated soil or groundwater, including those for stopping work, securing the contaminated area, preventing the spread of contamination, and appropriate waste management (testing, profiling, shipping disposal); • Training requirements for construction workers performing excavation activities; • Dewatering procedures; and | Pre-construction, during Construction, and Restoration | Applicable | <p>Complete. The Hazardous Materials and Waste Management Plan was submitted on 08/02/2017 and approved by the CPUC on 09/07/17. SDG&E submitted Addendum No. 1 of the HMWMP to the CPUC on 11/1/2017. SDG&E will implement the Plan during NTP-2 activities.</p> |

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| <ul style="list-style-type: none"> Procedures for notifying SDG&E and agency personnel in the event of the discovery of contaminated soil and/or groundwater. <p>The applicant’s outline of environmental procedures for management of the following would be addressed in the HMWMP:</p> <ul style="list-style-type: none"> Asbestos Management; Hazardous Materials Transportation Security Plans; Hazardous Materials and Waste Management; Hazardous Material and Waste Shipping; Hazardous Waste Minimization Plans; and Field Guidelines for Emergency Incidents. <p>Soil sampling and building materials sampling results from applicable Environmental Site Assessments would be applied to development of the HMWMP.</p> | | | |
| <p>APM HAZ-3: Personal Protection Equipment. Specialized crews would be utilized to conduct any remediation (safe removal of contaminants) at the Capistrano Substation site prior to actual construction of the proposed project commencing. Proper personal protection equipment would be utilized by all remediation workers that may come into contact with known contaminated soil or hazardous building materials. Personal protection equipment would be determined based upon the nature of the contamination present at any given portion of the substation site and would comply with all applicable CalOSHA standards.</p> | During Construction and Restoration | Applicable | SDG&E will implement this measure during NTP-2 activities as needed. |
| <p>APM HAZ-5: Recycling and Reuse. It is SDG&E’s practice to reuse or recycle all old structures/ poles, materials, and components following the retirement of substations, transmission lines, and structures/poles. Whatever cannot be reused or recycled is disposed of at an appropriate facility pursuant to all applicable laws.</p> | During Construction and Restoration | Applicable | SDG&E will implement this measure during NTP-2 activities and will recycle or reuse materials as feasible. |
| <p>APM HAZ-6: Fire Control. Construction restrictions would occur during times of high fire threat such as Red Flag Warnings issued by the National Weather Service or other severe fire weather conditions as identified by SDG&E.</p> <p>Consistent with SDG&E’s Electric Standard Practice 113.1 and the project-specific fire plan, prior to starting construction activities, SDG&E would clear dead and decaying vegetation from proposed project work areas where personnel are active or where equipment is in use or being stored within ROWs, staging areas, stringing sites, and access roads. Cleared dead and decaying vegetation would either be removed or chipped and spread on site.</p> | During Construction and Restoration | Applicable | The Construction Fire Prevention Plan was approved by the CPUC on 07/12/2017. SDG&E will implement the Plan during construction. |

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| <p>The project-specific fire plan would requirements for equipping diesel and gasoline operated engines with spark arrestors, carrying emergency fire suppression equipment, furnishing a water truck on or immediately adjacent to the proposed project work area, restricting smoking and vehicle idling, construction restrictions during Red Flag Warning periods (as applicable); and conducting pre-activity tailgate meetings that include fire safety discussions.</p> | | | |
| <p>MM HAZ-1: Hazardous Substances Contamination Prevention Plan. Prior to construction, the applicant shall prepare and implement a Hazardous Substances Contamination Prevention Plan supplementing the Hazardous Material Business Plan to prevent the release of hazardous materials and hazardous waste. The plan will include the following requirements and procedures:</p> <ul style="list-style-type: none"> • Training requirements for construction workers in appropriate work practices, including spill prevention and response measures. Additional training requirements for those performing excavation activities shall be required and shall include training on types of contamination (e.g., petroleum hydrocarbons, lead, asbestos, and <i>hazardous materials</i> (as defined by the California Health and Safety Code) and identifying potentially hazardous contamination (e.g., stained or discolored soil and odor). • Contain all hazardous materials at work sites and properly dispose of all such materials. <ul style="list-style-type: none"> – Hazardous materials shall be stored on pallets within fenced and secured areas and protected from exposure to weather and further contamination. – Fuels and lubricants shall be stored only at designated staging areas. • Maintain hazardous material spill kits for small spills at all active work sites and staging areas. Thoroughly clean up all spills as soon as they occur. • Store sorbent and barrier materials at all construction staging areas, including staging areas used during activities for decommissioning. Sorbent and barrier materials will be used to contain runoff from contaminated areas and from accidental releases of oil or other potentially hazardous materials to prevent the runoff from entering the storm drainage system. • Perform all routine equipment maintenance at a shop or at the staging area and recover and dispose of wastes in an appropriate manner. • Monitor and remove any vehicles with chronic or continuous leaks from use and complete repairs before returning them to operation. • Store shovels and drums at the staging areas. If small quantities of soil become contaminated, use shovels to collect the soil and store in drums before proper off-site disposal. Large quantities of contaminated soil may be collected using heavy equipment and | <p>Pre-construction, during Construction, and Restoration</p> | <p>Applicable</p> | <p>Complete. The Hazardous Materials and Waste Management Plan supplants the Hazardous Substances Contamination Prevention Plan and was approved by the CPUC on 09/07/17. SDG&E will implement the Hazardous Materials and Waste Management Plan during construction.</p> |

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| <p>stored in drums or other suitable containers prior to disposal. Should contamination occur adjacent to staging areas because of runoff, shovels and/or heavy equipment shall be used to collect the contaminated material.</p> <ul style="list-style-type: none"> • Procedures for transporting, shipping, and disposal of hazardous waste. • Procedures for managing asbestos containing material. • Procedures for notifying applicant and agency personnel in the event of the discovery of contaminated soil and/or groundwater. Contact information for federal, regional, and local agencies, the applicant’s environmental coordinator(s) responsible for the cleanup of contaminated soil or groundwater, and licensed disposal facilities and haulers. • Procedures for dewatering, including storage, testing, treatment, and disposal requirements and dewatering BMPs with reference to the applicant’s Stormwater Pollution Prevention Plan (SWPPP). <p>This plan will be submitted to the CPUC for review and approval 30 days prior to the start of project construction.</p> | | | |
| <p>MM HAZ-2: Contaminated Materials from MCB Camp Pendleton. Excavation, grading, or removal of any materials within MCB Camp Pendleton boundaries shall be accomplished in accordance with EPA Best Management Practices for Outdoor Shooting Ranges (EPA-902-B-01-001), RCRA, the Clean Water Act, 40 CFR 260 (Federal Hazardous Waste Regulations), and California Title 22 (California Hazardous Waste Regulations). All work shall be accomplished with every effort to prevent the spread of any potential contamination or release of any potential existing contaminants to the environment in accordance with all federal, state, and local laws, regulations and instructions. Prior to the removal of any soil or wood and construction debris that has been used in live fire training and received impact from rounds, the soil or debris shall be sampled for appropriate hazardous in accordance with all federal, state, and local laws, regulations, and instructions. Also, prior to the removal of any wood and construction debris that has been used in live fire training and received impact from rounds, the debris should be sampled for lead and other constituents. If the soil, wood, or debris is determined to be hazardous waste, it will be handled and disposed of in accordance with applicable hazardous waste regulations. All hazardous waste manifests shall be signed by the Hazardous Waste Branch, AC/S Environmental Security. Solid lead or copper removed from the base shall be recycled in accordance with the base Qualified Recycling Program regulations.</p> | <p>During Construction and Restoration</p> | <p>Not Applicable</p> | <p>NTP-2 does not include activities on MCB Camp Pendleton.</p> |
| <p>MM HAZ-3: Worker Safety Training. As part of the worker environmental awareness program, the applicant will prepare a safety training module, in coordination with an appropriate representative from MCB Camp Pendleton, to inform all on-site personnel of the active military</p> | <p>Pre-construction and during Construction</p> | <p>Not Applicable</p> | <p>NTP-2 does not include activities on MCB Camp Pendleton.</p> |

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| <p>training activities occurring within MCB Camp Pendleton and the potential hazards associated with working at Talega Substation. The worker environmental awareness program shall include training on how to identify unexploded ordinance and what procedures shall be followed if potential unexploded ordinance is identified, including the "Three R's" method: Recognize, immediately Retreat, and Report to the Provost Marshal's Office at (760) 725-3888 or dial 911 immediately. The applicant shall provide a copy of the training material and trainee sign-in sheets to the CPUC prior to construction.</p> | | | |
| <p>MM HAZ-4: Fire Prevention and Emergency Response Plan. The applicant will develop and implement a Fire Prevention and Emergency Response Plan. This plan, and a record of contact and coordination with the Orange County Fire Authority (OCFA), will be submitted to the CPUC for review and approval 30 days prior to the start of construction of the proposed project. The plan will describe fire prevention and response practices that the applicant will implement during construction of the proposed project to minimize the risk of fire and, in the case of fire, provide for immediate suppression and notification. The plan will include:</p> <ul style="list-style-type: none"> • Fire prevention and response practices, including the proper dispensing and storage of gasoline, diesel, and other fuels and combustible chemicals; power tool and equipment use; emergency access; fire suppression equipment and training; vegetation clearing; designated parking areas; appropriate climatic conditions and designated areas to perform welding or blow torch activities and other hot-work activities; and ceasing of any or all work activities, including helicopter use, as directed by the OCFA or other applicable fire department representatives. • Communication protocols for on-site workers to coordinate with local agencies and emergency personnel and for the applicant's environmental health and safety personnel to coordinate with on-site workers in the event of fire, flood, or other emergencies or increased risk of emergency during construction or operation of the project. • The Project Construction Manager, Contract Administrators, and/or Site Foreman will be present at each worksite during construction activities, and it will be their responsibility to monitor the contractor's fire-prevention activities. The Project Construction Manager, Contract Administrators, and/or Site Foreman will have full authority to stop construction as needed to prevent fire hazards. The Project Construction Manager, Contract Administrators, and/or Site Foreman responsibilities will include: <ul style="list-style-type: none"> - Maintain a complete copy of the Fire Prevention and Emergency Response Plan; | <p>Pre-construction, during Construction, and Restoration</p> | <p>Applicable</p> | <p>Complete. The Construction Fire Prevention and Emergency Response Plan was approved by the CPUC on 05/25/2017. The plan will be implemented by SDG&E during construction.</p> |

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| <ul style="list-style-type: none"> - Serve as a point of contact for fire departments in the event of fire or other emergency; - Manage the prevention, detection, control, and extinguishing of fires started accidentally as a result of construction activity; - Review site-specific fire prevention and emergency response plans with construction personnel prior to starting work in each project area; - Ensure that all construction personnel are trained in fire safety measures relevant to their responsibilities. At minimum, construction personnel will be trained in fire prevention and emergency reporting. Each member of the construction work force will be trained and equipped to extinguish small fires (i.e., the fire can be controlled or extinguished by portable fire extinguishers, small hose systems, or portable water supplies without the need for protective clothing or breathing apparatus); - Be equipped with radio and cellular telephone access for the duration of each work day; - Ensure that all construction personnel are provided with operational radio and/or cellular telephone access to allow for immediate reporting of fires or other emergencies and ensure that communication pathways and equipment are tested and confirmed operational each day prior to initiating construction activities at each worksite; - Maintain an updated key personnel and emergency services contact (telephone and email) list onsite and available to construction personnel; and - Construction workers will immediately report all fires to the nearest Fire Risk Manager. <p>The required fire suppression equipment, tools, and other materials to be included with each construction vehicle on the Project.</p> | | | |
| <p>MM HAZ-5: Discovery of an Unrecorded Oil or Gas Well. If an unrecorded oil and gas well is discovered during construction of the proposed project and the well is located within 50 feet of a construction disturbance area, the applicant shall immediately cease work within 50 feet of the well and notify the California Department of Conservation Division of Oil, Gas, and Geothermal Resources (DOGGR) Cypress District Office. Work shall not resume within 50 feet of the unrecorded well until DOGGR has determined appropriate actions to be taken and has given written notice of approval for work to resume.</p> | During Construction and Restoration | Applicable | SDG&E will implement MM HAZ-5 as needed. If an unrecorded oil or gas well is discovered, the Project’s Lead Environmental Inspector will notify the DOGGR and work will not commence until approval is given. |
| HYDROLOGY AND WATER QUALITY | | | |
| <p>MM WQ-1: Pesticide Application. If pesticides are used during construction or operations, they shall be applied in accordance with Federal Insecticide, Fungicide, and Rodenticide (FIFRA) labels. Applicators shall be appropriately trained and shall be certified by the California Department of Pesticide Regulation. Prior to any use of pesticides, the type of pesticides</p> | During Construction and Restoration | Applicable | SDG&E will implement this measure during NTP-2 activities as needed. |

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| <p>proposed for use shall be approved by the CPUC. Prior to each pesticide application the National Weather Service (forecast.weather.gov) shall be consulted, and no pesticides shall be applied if the chance of rain exceeds 70% within 24 hours of the proposed application time and location. Records of type and amount of pesticides used and locations of application shall be kept and submitted to the CPUC on a monthly basis during construction.</p> | | | |
| NOISE AND VIBRATION | | | |
| <p>APM NOISE-1: Nighttime and Weekend Activities. Any endeavors during the construction phase wherein nighttime and/or weekend activities are necessary (such as due to Caltrans transportation constraints for conductor stringing (I-5) or oversized/ overweight loads or CAISO outage constraints) would be limited to the extent feasible so that noise would not exceed the pertinent maximum noise level limits or the hourly L50 limits when measured at the nearest residential property. For example, to minimize potential noise disturbances during nighttime deliveries of transformers, the applicant would make every reasonable effort to minimize the duration of trucking activities at the project site. This would entail pulling delivery vehicles onto the project site, parking them overnight, and unloading/installing the item(s) during normal daytime construction hours. If nighttime or weekend activities cannot be conducted to meet the city's noise standards, SDG&E would communicate the exception to the appropriate local agency at least 24 hours in advance of conducting work that may exceed the threshold(s).</p> | <p>During Construction and Restoration</p> | <p>Applicable</p> | <p>Night and weekend work is not anticipated to be necessary during NTP-2 activities; however, SDG&E will implement this measure as needed.</p> |
| <p>MM NV-1: Nighttime and Weekend Construction Noise Controls. Before performing any construction, activities required during periods of time not allowed by local ordinances (i.e., nighttime and weekends), the applicant will:</p> <ul style="list-style-type: none"> • Obtain authorization from the local jurisdiction where work will be performed (city or county, as applicable) prior to initiating work at night and on weekends; • Notify occupants of the sensitive receptors properties located within 230 feet of the work a minimum of one week prior to the potential activities and their anticipated duration; • Ensure that noise levels will not exceed exterior noise standards of 55 A-weighted decibels (dBA) at the property boundary during the period of 6:00 p.m. to 10 p.m. and 45 dBA between 10 p.m. and 7 a.m.; • Minimize the duration of trucking activities at work sites to less than 30 minutes, when feasible; • Monitor noise levels during a cumulative period of more than 30 minutes in any hour (L₅₀) and maximum noise levels (L_{max}) at the nearest residential property boundary during the period when nighttime or weekend construction is performed; • Report noise levels (hourly L₅₀ and L_{max}) measured at the nearest residential property to the | <p>During Construction and Restoration</p> | <p>Applicable</p> | <p>Night and weekend work is not anticipated to be necessary during NTP-2 activities; however, SDG&E will implement this measure as needed.</p> |

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|---|-------------------------------------|------------------------|---|
| <p>local jurisdiction (city or county, as applicable) and the CPUC within one week. Noise level measurements shall be conducted and reported in compliance with the City of San Juan Capistrano and City of San Clemente requirements, as applicable; and</p> <ul style="list-style-type: none"> • If nighttime or weekend activities cannot be conducted to meet the local ordinance exterior noise standards, the applicant will implement additional mitigation measures, such as: <ul style="list-style-type: none"> – Reducing trucking activities to shorter periods of time; – Using low noise electrical equipment; – Installing portable noise barriers surrounding the work sites; or – Offering potentially affected residents an alternative place to stay overnight or for a weekend, as necessary. | | | |
| <p>MM NV-2: Low-Noise Substation Equipment and Noise Barriers. The applicant will ensure that San Juan Capistrano Substation’s operational noise levels will not exceed 45 dBA at the property boundary during the period of 10 p.m. to 7 a.m. This will be achieved by ensuring that the final substation layout provides sufficient setback between the project facilities and closest residential receptors, use of low-noise substation equipment, or installation of noise barriers in the perimeter of the substation. The 230-/138-kV and 138-/12-kV transformers will be located at a minimum distance of 100 feet from the nearest residential property. The applicant will conduct a noise survey at the closest receptors to the substation once the substation is fully operational to confirm that sufficient measures have been implemented to reduce noise levels to 45 dBA at the property boundary. The applicant will submit the noise survey results to the CPUC.</p> | During Operation | Not Applicable | NTP-2 does not involve the installation of substation equipment or facilities subject to this measure. |
| <p>MM NV-3: Construction Vibration Control Measures. The applicant will implement the following measures to reduce construction vibration at substations, transmission lines, distribution lines, and staging areas located within 100 feet of residential and other vibration-sensitive receptors:</p> <ul style="list-style-type: none"> • Route heavily loaded trucks away from residential streets, if possible. Select streets with the fewest homes if no alternatives are available; • Operate earth-moving equipment on construction sites as far away from residential and other vibration-sensitive receptors as possible; • Phase earth-moving and ground-impacting operations so as not to occur in the same time period; • Avoid nighttime activities; | During Construction and Restoration | Applicable | <p>Complete. The Construction Noise and Vibration Control Plan was approved by the CPUC on 10/5/2017. Construction Noise and Vibration Control Plan will be implemented during construction and restoration.</p> <p>SDG&E sent pre-construction notification letters on 8/11/17 to sensitive receptors, residents and property owners within 230 feet of San Juan Capistrano substation.</p> |

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|--|--|------------------------|---|
| <ul style="list-style-type: none"> • Avoid the use of vibratory rollers near noise- and vibration-sensitive areas; • Conduct pre-construction notifications for sensitive receptors located within 100 feet of construction activities within 30 days prior to construction; • Develop a construction vibration mitigation and monitoring plan during final project design to be reviewed and approved by the CPUC; and • Implement a compliance monitoring program during construction to ensure implementation of vibration control measures. | | | |
| <p>MM NV-4: Corona Noise Reduction during Wet Weather Conditions. The applicant will ensure that the incremental increase in ambient noise levels from the proposed 230-kV transmission line corona noise levels will not exceed FTA Cumulative Noise Levels Allowed by Criteria (Figure 4.11-1) at the closest sensitive receptor during nighttime operations (10 p.m. to 7 a.m.). To verify compliance with this measure, the applicant will measure ambient noise levels before the proposed project’s 230-kV line operations and the operational noise levels at sensitive residential receptors located within 45 feet of the 230-kV line segments. Operational noise levels will be measured during three rain events during the first two rainy seasons when the 230-kV line is operating. Reports shall provide noise measurements in Ldn and indicate the existing ambient noise levels and weather conditions during measurements. The applicant will submit measurement results to the CPUC annually. If the reports determine that the corona noise levels exceed FTA Cumulative Noise Levels Allowed by Criteria at sensitive residential receptors located within 45 feet, the applicant will implement the use of additional insulation equipment and additional technological solutions and will repeat the measuring of operational noise levels at sensitive residential receptors located within 45 feet of the 230-kV line segments during three rain events during the subsequent two rainy seasons, until the FTA Cumulative Noise Levels Allowed by Criteria threshold is no longer exceeded during rain events.</p> | During Operation | Not Applicable | NTP-2 does not include construction of the 230-kv transmission line. |
| <p>MM NV-5 : Noise Control Plan. Prior to the start of construction, the applicant shall prepare a Noise Control Plan for the construction and restoration of the proposed project. The applicant shall submit the Noise Control Plan to the CPUC at least 30 days prior to the start of construction for review and approval. The Noise Control Plan shall include measures that the applicant shall employ during construction and restoration of the proposed project to keep generated noise levels below the Severe Impact range shown in Figure 4.11-1 (FTA 2006) of this EIR at the nearest sensitive receptors to each project construction location, in order to avoid significant impacts from temporary ambient noise increases. The Noise Control Plan shall include measures such as the following:</p> <ul style="list-style-type: none"> • Install and maintain an absorptive noise control barrier in the perimeter of the San Juan | Pre-construction, during Construction, and Restoration | Applicable | Complete. The Construction Noise and Vibration Control Plan was approved by the CPUC on 10/05/2017. SDG&E will implement the Plan as required during construction. |

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|---|--------|------------------------|--------|
| <p>Capistrano Substation construction site.</p> <ul style="list-style-type: none"> • Limit heavy equipment activity adjacent to residences or other sensitive receptors to the shortest possible period required to complete the work activity. • Ensure that proper mufflers, intake silencers, and other noise reduction equipment are in place and in good working condition. • Maintain construction equipment according to manufacturer recommendations. • Minimize construction equipment idling. • Noise from back-up alarms (alarms that signal vehicle travel in reverse) in construction vehicles and equipment shall be reduced by providing a layout of construction sites that minimizes the need for back-up alarms and using flagmen to minimize time needed to back up vehicles. • When possible, use construction equipment specifically designed for low noise emissions (i.e., equipment that is powered by electric or natural gas engines instead of diesel or gasoline reciprocating engines). Electric engines have been reported to have lower noise levels than internal combustion engines. <p>Where practical, locate stationary equipment such as compressors, generators, and welding machines away from sensitive receptors or behind barriers. The Noise Control Plan shall detail the frequency, location, and methodology for noise monitoring prior to and during various construction and restoration activities to ensure that generated noise levels do not exceed the Severe Impact range shown in Figure 4.11-1 of this EIR. The Noise Control Plan shall detail the actions and procedures that the applicant shall implement to mitigate impacts in the event that monitoring detects that noise levels have exceeded the Severe Impact range shown in Figure 4.11-1 of this EIR. Noise level measurements shall be conducted in compliance with the City of San Juan Capistrano, City of San Clemente, and Orange County requirements.</p> <p>The Noise Control Plan shall designate a Construction Relations Officer that is readily available to answer questions or respond to complaints during any hours or days that construction or restoration is occurring. The applicant shall send pre-construction notifications to sensitive receptors located within 100 feet of construction activities at least 30 days prior construction. The notification shall include a phone number for the public to contact the Construction Relations Officer. Additionally, each construction site shall include clearly visible signs with a phone number for the public to contact the Construction Relations Officer. The applicant shall submit on a monthly basis to the CPUC a summary report of the complaints submitted to the Construction Relations Officer. The summary report shall include detail on how each complaint was responded to, if and when the complaint was resolved, and contact information for the member of the public that submitted the complaint.</p> | | | |

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Applicable to NTP-2 – Measure to be Implemented During
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Applicable to NTP-2 – Pre-Construction Status Pending/Ongoing

Applicable to NTP-2 – Pre-Construction Status Complete/Approved

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|---|---|------------------------|--|
| PUBLIC SERVICES | | | |
| <p>APM PS-1: Recreational Facility Access. Construction within existing public parks would not completely restrict access through the parks. Where necessary, SDG&E would create temporary foot and bicycle paths along with appropriate advanced notice and signage to direct and allow for the pedestrian and bicycle access through each affected park.</p> | Pre-construction, during Construction, and Restoration | Not Applicable | NTP-2 activities will be confined to the existing substation property boundary and will not affect recreational facilities or parks. |
| <p>APM PS-2: Repair Damage to Public Facilities. All recreational facilities that are physically impacted during construction activities would be returned to an approximate preconstruction state, allowing for SDG&E operation and maintenance activities, following the completion of the proposed project. SDG&E would make replacements of any public damaged or removed equipment, facilities, and infrastructure, in a timely manner.</p> | During Restoration | Not Applicable | NTP-2 activities will be confined to the existing substation property boundary and will not affect recreational facilities or parks. |
| <p>APM PS-3: Roadway Repair. SDG&E Contract Administrators oversee all aspects of construction and would ensure that contractors repair any damage caused by construction activities. Contract Administrators would also work with the customers and/or local agency to ensure repairs are sufficient and consistent with pre-construction conditions. Contractors working for SDG&E typically photograph and/or video document pre-construction conditions. At the completion of construction activities, this documentation is used to ensure that any damage that is caused by construction work is repaired.</p> | During Restoration | Applicable | SDG&E will document roadway conditions along Camino Capistrano adjacent to the substation site and make any repairs caused by construction after completion of construction of the substation. Note that NTP-2 activities will not directly affect roadways and will be confined to the existing substation property boundary. |
| <p>MM PS-1: Water Efficiency Plan. The applicant will make reasonable attempts to reduce overall water use and will reduce potable water use by at least 20 percent during drought conditions, as declared by the State of California. The applicant will be required to research reclaimed water sources and acquire reclaimed water to the greatest extent practicable. The applicant will prepare and submit a Water Efficiency Plan to the California Public Utilities Commission (CPUC) for review and approval at least 60 days prior to construction. The Water Efficiency Plan will detail the applicant’s water efficiency measures, including the use of reclaimed water, palliatives, alternative construction methods, or other measures proposed by the applicant. The Water Efficiency Plan will detail the applicant’s attempts to secure reclaimed water. In the event that a sufficient supply of reclaimed water cannot be reasonably obtained, the applicant will provide a well-documented justification for any use of potable water to be used for construction activities. If, at any time during construction, the State Water Resources Control Board (SWRCB) rescinds their Emergency Regulations (Resolution No. 2014-0038) due to a cessation of drought conditions in the state, the applicant may request that the CPUC rescind this mitigation measure. Alternatively, the applicant will need to revise their Water Efficiency Plan to remain in compliance with future adopted SWRCB regulations regarding water use during drought conditions.</p> | 60 days prior to Construction, during Construction, and Restoration | Applicable | Complete. The Water Efficiency Plan was approved by the CPUC on 10/03/2017. SDG&E will implement the Plan as required during construction. |

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Applicable to NTP-2 – Pre-Construction Status Complete/Approved

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|--|--|------------------------|--|
| TRANSPORTATION AND TRAFFIC | | | |
| <p>APM TR-1: Avoid Traffic Near Schools. Construction generated traffic associated with the San Juan Capistrano Substation and construction of the 138kV getaways (new underground cable packages and new Pole Nos. 1a through 7a) would avoid the start and ending time for the Saddleback Valley Christian School and the Serra Catholic High School. Workers would arrive at construction sites by 7:30 AM and would not leave prior to 3:30 PM.</p> | During Construction and Restoration | Applicable | SDG&E will implement this measure during NTP-2 activities. |
| <p>APM TR-2: Avoid SR-74 Traffic. Construction generated traffic associated with the San Juan Capistrano Substation and construction of the 138kV getaways (new underground cable packages and new pole Nos. 1a through 7a) would avoid the SR-74 off ramp from I-5. Avoidance of the SR-74 and I-5 interchange would ensure that construction generated traffic would not exacerbate existing conditions on the stretch of road between the intersections of SR-74 and Rancho Viejo Road and SR-74 and Del Obispo.</p> | During Construction and Restoration | Applicable | SDG&E will implement this measure during NTP-2 activities. |
| <p>APM TR-3: Emergency Access. SDG&E would coordinate with local emergency response agencies during all construction within existing roadways. Coordination with local emergency response agencies (such as Orange County Sheriff’s Department and Orange County Fire Authority) would ensure that impacts to emergency access are less than significant.</p> | During Construction and Restoration | Not Applicable | NTP-2 does not include work within existing roadways. |
| <p>APM TR-4: Off Peak Deliveries. Deliveries would be scheduled during off-peak traffic periods to reduce trips during the most congested periods of the day.</p> | During Construction and Restoration | Applicable | SDG&E will implement this measure during NTP-2 activities. |
| <p>APM TR-5: Material Removal, City Streets. For any underground work along city streets, materials would be removed from work areas on a daily basis to minimize traffic impacts.</p> | During Construction and Restoration | Not Applicable | NTP-2 does not include underground work. |
| <p>APM TR-6: Helicopter Use. When helicopters are in use for construction activities, designated fly yards would be kept clear of all other construction activity. If helicopters are used during construction of the proposed project, existing helicopter landing areas would be used wherever feasible. Helicopter landing areas along the existing ROW would be located away from residences and other land uses (generally at least one mile from sensitive noise receptors).</p> | During Construction and Restoration | Not Applicable | NTP-2 does not include helicopter use. |
| <p>APM TR-7: Traffic Control Plans. Contractors working for SDG&E would develop specific traffic control plans immediately prior to the start of construction that adhere to the Standard Traffic Control Procedure from the authority having jurisdiction (federal, state, county, city, or municipality) of the roadway being impacted. The traffic control plans would be created for the various construction phases of the San Juan Capistrano Substation, underground transmission</p> | Pre-construction and during Construction and Restoration | Not Applicable | The City of San Juan Capistrano has jurisdiction over the roadways surrounding the substation property where NTP-2 activities will take place. According to the Standard Traffic Control |

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Applicable to NTP-2 – Pre-Construction Status Complete/Approved

ATTACHMENT D: MMCRP REQUIREMENTS TRACKING TABLE

| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|--|---|------------------------|--|
| <p>and underground distribution segments leaving the San Juan Capistrano Substation, and overhead transmission.</p> <p>The approved traffic control plans would describe lane closures and other methods for reducing adverse construction-related traffic impacts and require SDG&E to coordinate in advance with emergency service providers to avoid restricting movements of emergency vehicles, to ensure that emergency vehicle access is maintained and that impacts to traffic flow are minimized.</p> <p>All traffic control plans would be developed, reviewed and approved by the authority having jurisdiction of the specific roadway being impacted. The traffic control plans would include vehicular and non-vehicular traffic and would be communicated to the public at least 48 hours in advance of the traffic control measures being installed in the roadway or as required by the traffic control permit.</p> | | | <p>Procedures for the City outlined in the City's Municipal Code, Traffic Control Plans are required for work conducted within the public right-of-way (i.e. roadway). NTP-2 activities will be conducted within the substation property and no roadways would be impacted. Therefore, traffic control plans are not anticipated to be required for this work and this measure would not be applicable to NTP-2 activities. However, if NTP-2 activities require traffic control, a Traffic Control Plan would be submitted and appropriate permits would be acquired.</p> |
| <p>MM TR-2^(a): Helicopter Safety Plan and External-Load Training Program. Prior to start of construction, SDG&E must submit a Helicopter Safety Plan and External-Load Training Program prepared by qualified personnel to the CPUC. All workers that shall be present when helicopters are in use for construction of the project shall be trained regarding helicopter external loads. A sign-in sheet recording the names and dates of all individuals trained shall be maintained by SDG&E. Helicopter Safety Plan and Worker Environmental Awareness training shall include the following, at minimum:</p> <ul style="list-style-type: none"> • An overview of the general steps taken by the certified Rotorcraft External-Load Operators before starting operations, including a survey of the flight area; the typical ground worker instructions from certified Rotorcraft External-Load Operators; the ramp inspection checklist (14 CFR 133 Ramp Inspection Job Aid) and examples of typical causes of unsatisfactory ramp inspections; and the equipment typically required for Class A, B, C, and D loads as specified in 14 CFR 133; • A summary of the contents of the FAA-approved Rotorcraft Load Combination Flight Manuals applicable to external-load operations planned for the project including maximum loads (internal and external) and load types and general performance capabilities, under approved operating procedures and limitations, for each type of helicopter to be used; • Detailed instruction regarding the proper methods of loading, rigging, or attaching external loads and examples of improper rigging and resultant accidents and incidents; and • Detailed information about planned helicopter construction techniques. | <p>Pre-construction and during Construction and Restoration</p> | <p>Not Applicable</p> | <p>NTP-2 does not include the use of helicopters.</p> |

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| APPLICANT PROPOSED MEASURE (APM) OR MITIGATION MEASURE (MM) | TIMING | Applicability to NTP-2 | STATUS |
|---|--|------------------------|---|
| <p>A safety brief, plan of operations, and refresher helicopter external-load operations training shall occur at the start of all days during which helicopter external-load operations are planned to occur. The planned flight paths, landing areas, and timing and types of helicopter construction activities for the day shall be presented. At minimum, the refresher training shall include examples load types and maximum loads (internal and external) for each type of helicopter to be used that day and a demonstration of proper external-load attaching and restraining means for all types of attaching and retraining devices that may be used.</p> <p>No SDG&E personnel or contractor, including helicopter pilots and crewmembers, shall work in proximity to or be involved with helicopter external-load operations unless they receive the initial training and attend the daily safety brief and refresher training. Signatures of all personnel and contractors that attend the daily safety brief and refresher training shall be collected and clear indication on the worker (e.g., sticker on the hardhat color-coded by training day) shall be visible to indicate that the worker, pilot, or crewperson is approved to work in proximity to or otherwise be involved with helicopter external-load operations for the day.</p> | | | |
| <p>MM TR-3: Notification and Monitoring of Helicopter Use. SDG&E will notify the Long Beach Flight Standards District Office at least one week in advance of all days during which helicopter operations are planned to occur or as required by the Flight Standards District Office. In addition, SDG&E will notify all residents, businesses, and owners of property within 0.25 miles of planned helicopter flight paths and landing areas along the Project alignment at least one week in advance of all days during which helicopter operations are planned to occur.</p> <p>In compliance with 14 CFR Part 133, the loading and unloading of all helicopter external loads shall be monitored by lineman (non-apprentice) certified by SDG&E to rig and inspect helicopter external loads.</p> <p>All accidents or incidents reported to the National Transportation and Safety Board (NTSB) or FAA shall, at the same time of reporting, be reported to the CPUC. Near misses involving helicopters that had the potential to result in an accident or incident as defined by NTSB but do not require NTSB notification, shall be recorded by SDG&E and immediately reported to the applicant’s safety coordinator and the CPUC.</p> | During Construction and Restoration | Not Applicable | NTP-2 does not include the use of helicopters. |
| <p>MM TR-4: City of San Juan Capistrano and City San Clemente Traffic Engineer and Parks and Recreation Review. Prior to commencing work within city boundaries of San Juan Capistrano and San Clemente, the applicant shall submit a draft Traffic Control Plan (APM TR-7) for the project to the City of San Juan Capistrano and City of San Clemente traffic engineers and Parks and Recreation departments for their review. A Draft Traffic Control Plan shall be submitted according to the timeframe established by the authority having jurisdiction of the roadway or trail being impacted. The applicant shall incorporate any recommendations from this review related to bikeway, sidewalk, and unpaved trail facilities into a final Traffic Control Plan prior to</p> | Pre-construction and during Construction and Restoration | Not Applicable | The City of San Juan Capistrano has jurisdiction over the roadways and trails surrounding the substation property where NTP-2 activities will take place. According to City’s Municipal Code, Traffic Control Plans are required for work conducted within the public right-of-way (i.e. roadway). NTP-2 activities |

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|--|---|------------------------|---|
| <p>com. The applicant shall provide a copy of the final Traffic control plan to the City of San Juan Capistrano, the City of San Clemente and the CPUC prior to commencing work.</p> | | | <p>will be conducted within the substation property and no roadways or trails would be impacted. Therefore, traffic control plans are not anticipated to be required for this work and this measure would not applicable to NTP-2 activities. However, if NTP-2 activities require traffic control, a Traffic Control Plan would be submitted and appropriate permits would be acquired.</p> |
| <p>MM TR-5: Content Requirements of the Traffic Control Plan. The applicant shall include and implement the following restrictions within their Traffic Control Plan (APM TR-7):</p> <ul style="list-style-type: none"> • Lane closures along Vista Montana shall only be implemented to avoid the start and ending time for the San Juan Hills High School. Lane closures along Vista Montana shall not be allowed during the periods of 6:30 to 8:00 AM and 2:00 to 3:30 PM on days when San Juan Hills High School is in session. • Construction-generated traffic associated with the project shall avoid the start and ending time for San Juan Hills High School. Workers shall avoid traveling along Vista Montana during the periods of 6:30 to 8:00 AM and 2:00 to 3:30 PM on days that San Juan Hills High School is in session. These times shall be modified as necessary over the duration of the project in response to changing school arrival/dismissal times. <p>Additionally, a final traffic control plan shall be provided to the CPUC for approval prior to the start of construction.</p> | <p>Pre-construction and during Construction</p> | <p>Not Applicable</p> | <p>As described above, NTP-2 activities will be conducted within the substation and would not impact a roadway or trail. The City of San Juan Capistrano’s municipal code would therefore not require a traffic control plan or permit. Therefore, traffic control plans are not anticipated to be required for this work and this measure would not applicable to NTP-2 activities. However, if NTP-2 activities require traffic control, a Traffic Control Plan would be submitted and appropriate permits would be acquired in accordance with this measure.</p> |