

Environmental Minor Project Refinement Form



Project Name: ELM Series Capacitor Project Request Prepared By: Rincon Consultants

Date Approval Required: February 7, 2025 Variance Request No.: CPUC #6

Date Submitted: January 27, 2024 Location: L235 and L3000

Landowner: See Table 1

Landowner Parcel Number: See Table 1

Current Vegetative Cover/Land Use: See Table 2

Existing Sensitive Resource? ☐ NO ☒ YES Specify: See "Biological Resources"

Modifying (check as many as apply):
☒ MITIGATION MEASURE ☐ PLAN/PROCEDURE ☐ SPECIFICATION
☐ DRAWING ☐ PERMIT CONDITION ☒ OTHER

Specify Source (e.g., Mitigation Measure B.5): Initial Study/ Mitigated Negative Declaration Mitigation Measure UT-1 (MM UT-1)

Description of Change and Justification

Attachments:

☐ PHOTO CONSTRUCTION DRAWING ☐ ADDITIONAL ENVIRONMENTAL ANALYSIS ☐ CORRESPONDENCE ☐ OTHER: _____

OVERVIEW AND DESCRIPTION

Southern California Edison Company (SCE) requests Energy Division approval of its request for a Minor Project Refinement (MPR) which would authorize SCE to implement the cathodic protection measures in Mitigation Measure (MM) UT-1 after the ELM Series Capacitor (ELM) Project is in-serviced, rather than before the in-service date. With the implementation of the mitigation measures required by the ELM MND, this change would not result in any significant new impacts or an increase in severity of any existing impact.

Pursuant to Mitigation Measure UT-1 (MM UT-1) summarized below, SCE is required to:

1. Determine and report to CPUC and BLM the location of conducting materials susceptible to induced voltages and currents adjacent to the ELM Project.
2. Conduct an alternating current interference study (AC Study) on the effects of the ELM Project 500 kV lines if SCE identifies that other utilities may be susceptible to an increased risk of corrosion due to induced currents or voltages as a result of the ELM Project.
3. Submit the AC Study and proposed mitigation measures meant to protect the potentially affected utilities to the CPUC and BLM for review and approval at least 60 days prior to initiation of installation of such protection.
4. Complete all required protective and grounding work prior to the ELM Project in-service date.
5. Provide confirmation to the CPUC and BLM that the necessary grounding or other appropriate measures to provide appropriate cathodic protection were installed prior to the ELM Project in-service date.

SCE has complied with Items 1 and 2 of MM UT-1 by:

- Identifying the location of materials adjacent to the ELM Project susceptible to induced voltages and currents documented in the AC Study, UT-3 Induction Study and other supporting material provided to Eric Chiang (CPUC), Joan Patrovsky (BLM), and Jose Najjar (NPS) in a November 1, 2024 email from Thomas Diaz (SCE).
- Conducting an AC Study that analyzes the effects of the Proposed Project on several miles of Southern California Gas Company (SoCalGas) natural gas pipelines that parallel the ELM Project.

SCE in compliance with Item 3 of MM UT-1 has submitted the AC Study and proposed mitigation measures to the CPUC and BLM. CPUC and BLM approval is pending. SCE will provide the CPUC with an update at least 60 days prior to the start of the mitigation work once BLM approval is received.

SCE requests a MPR that would permit SCE to install the cathodic protection measures described in Item 4 and 5 of MM UT-1 after the ELM Project is in-serviced, rather than before the in-service date. As described in further detail below, this change will not result in any new significant impacts or increase in severity of any existing impact.

The alternating current (AC) mitigation system, as outlined in the AC Study prepared in compliance with MM UT-1 Item 2, is designed to reduce potential AC electrical interference effects to the SoCalGas pipelines Line 235 (L235) and Line 3000 (L3000). SoCalGas natural gas transmission pipeline L235 parallels approximately 55 miles of SCE's Lugo-Mohave 500-kilovolt (kV) Transmission Line, from near Essex Road in the Mojave National Preserve to the Newberry Springs and Ludlow series capacitor facility sites near SCE's Pisgah Substation. Approximately 6 miles of a second SoCalGas pipeline, L3000, is also located near the transmission line, from east of Ludlow to Pisgah Substation. At their closest, the ELM Project transmission line and pipelines are approximately 150 feet apart. Based on their proximity to and the planned increased power flow on the transmission lines as a result of the ELM Project, these pipelines require additional protective measures to mitigate any AC impacts.

An AC Study was conducted to determine the design measures necessary to mitigate AC risks to the SoCalGas pipelines.¹ SCE shall in accordance with the AC Study recommendations install AC mitigation adjacent to portions of the existing pipelines to mitigate the induced AC voltage levels to less than 15 V for personnel and public safety and to mitigate AC current densities levels to less than 30 A/m² to minimize potential adverse effects on pipeline integrity. Additional details on the scope of work is included below.

However, SCE's planning studies show that each of the 500 kV transmission lines that make up the ELM Project will not operate at its respective maximum operating limits under normal operating conditions until 2028, several years after the Project is in-serviced. Because the AC mitigation risk will not materialize until 2028, an MPR that permits SCE to comply with MM UT-1 items 4 and 5 after the project in-service date would allow the ELM Project to be in-serviced as scheduled without creating any new risk to the SoCalGas pipeline or any new significant impacts or increase in severity of any existing impact to any resources.

While the ELM Series Capacitors installed along the Lugo-Mohave 500 kV Transmission Line (L-M T/L) will increase the normal capacity of the transmission line from 2,400 Amps to 3,300 Amps, SCE does not plan to operate the L-M T/L to loading levels significantly beyond the historical peak value. The historical peak value for 2024 did not exceed 1300Amp. This precaution will remain in place until construction of the pipeline mitigations are completed to limit any potential safety risks associated with the pipelines. With the Series Capacitor(s) in-service, the L-M T/L loading is projected to increase by an additional 25-30% up until 2028. The target completion date for the pipeline mitigations construction is scheduled before 2028.

In the event of unexpected delays in the completion of the pipeline mitigations, SCE will notify the CPUC and will continue to operate the L-M T/L without exceeding the limits described above. This strategy ensures that the transmission line operates safely and effectively without compromising the integrity of the pipelines.

¹ To protect the SoCalGas pipelines from AC impacts the mitigation would need to maintain AC potentials and current densities to levels less than 15 V and 30 A/m², respectively, after the capacity on the Eldorado-Lugo and Lugo-Mohave 500 kV Transmission Lines increased following completion of the ELM Project.

AC MITIGATION SCOPE

The AC mitigation work will consist of trenching and installing 2/0 copper wire approximately 10 feet from the edge of the pipeline for L235 (22 Sections) and for L3000 (13 Sections). For L235, Section 1 and Section 20 will require the installation of 2/0 copper wire on each side of the pipeline. For L3000 only Section 1 will require the installation of 2/0 copper wire on each side the pipeline.

Trenching for the 2/0 copper wire will be achieved using a “V-ditch” track type tractor (D4 or D6T model). The V-ditch tractor will install the copper wire and warning tape concurrently and will not result in an open trench. For each section, SSD will be required to isolate the alternating current from interfering with the direct current on the pipeline. For each of the SSD location, an excavation measuring approximately 5 ft by 5 ft by 6 to 7 ft deep will be performed to expose the top of the pipeline so that a #6 copper wire can be attached (pin-brazed) to the pipe and attaching the other end to the SSD. A separate #6 copper cable will extend from the SSD to the 2/0 copper cable.

In addition, 7 locations along L235 and 4 locations along L3000 will also require Coupon Test Stations (CTSs) to be installed for future electrical interference check. For each CTS, a 5ft by 5ft by 3ft to 4ft deep excavation located approximately 3ft from the pipeline is required. The test coupon will be installed in the excavation with wire extending to grade and terminating inside an enclosure measuring approximately 3 inches in diameter and 7-foot tall. Approximately 4 feet of the enclosure will be above grade.

The current work plan is to commence on L3000 Section 1 and work west towards Section 13. Once L3000 work is complete, work will transition to L235 Section 22 and will continue in an easterly direction to L235 Section 1, terminating at CTS 1.

Upon completion of the work, all areas will be restored to as near to their original condition as reasonably practicable.

ALTERNATIVE CONSIDERATIONS

An alternative analysis included a “no perform” option, which is not possible as installation of the cathodic protection system must be completed required to effectively mitigate the AC voltage for safety of the pipelines and personnel. Alternative methods of cathodic protection such as grounding mats are typically utilized in localized areas and may not provide uniform protection for the pipelines.

ENVIRONMENTAL ANALYSIS

SCE performed a desktop environmental analysis to determine the potential for impacts to sensitive resources to occur as a result of the proposed change in the timing of construction of the approved AC mitigation scope. The analysis relied upon information from publicly available datasets and data collected for the project during the licensing/permitting and construction phases of the project. Additional surveys for biological, cultural and paleontological resources within the proposed work areas were conducted or are planned to be conducted.

Mitigation measures from the ELM Series Capacitor Project National Environmental Policy Act (NEPA) Environmental Assessment (EA) and the California Environmental Quality Act (CEQA) Initial Study-Mitigated Negative Declaration (IS-MND) will be incorporated for the work included in this MPR. These mitigation measures are included as attachments to this MPR.

BIOLOGICAL RESOURCES

A desktop analysis of publicly available data (e.g., CNDDDB) and relevant project data (e.g., data from focused/protocol surveys and FRED) were reviewed to determine the potential for special-status species to occur in the proposed work areas, and to assess the potential impacts to biological resources as a result of the change in the timing for the implementation of the AC mitigation. Results of desktop analysis and preliminary survey results of the MPR are discussed below.

Site Description: Table 2 lists the impacts to vegetation communities and land cover types for the proposed work areas.

Table 2 Impacts to Vegetation Communities and Land Cover Types in Proposed Splice Site Work Areas (acres)			
Vegetation Type	L235	L3000	TOTAL
Barren/Desert Scrub/Urban	1.98	2.13	4.11
Desert Scrub	100.88	7.85	108.73
Desert Scrub/Desert Wash	51.30	3.13	54.43
Desert Scrub/Urban	6.57	0	6.57
Desert Succulent Shrub	4.69	0	4.69
Desert Succulent Shrub/Desert Scrub	8.72	0	8.72
Desert Succulent Shrub/Desert Wash	13.26	0	13.26
Desert Wash	3.01	0	3.01
TOTAL	190.41	13.11	203.52

Nesting Birds: Suitable substrates for nesting birds protected by the California Fish and Game Code and Migratory Bird Treaty Act, including trees, shrubs, man-made structures, and the ground surface, can be found throughout the proposed work areas. A preconstruction survey for nesting birds will be conducted prior to the initiation of construction activities during the avian breeding season (Jan 1 – Aug 31). If active nests are identified, avoidance buffers will be established in accordance with the project Nesting Bird Management Plan (NBMP). With implementation of the NBMP, no impacts are anticipated.

Special-Status Riparian Birds: No suitable habitat for riparian birds occurs within 500 feet of the proposed work areas. Therefore, no impacts are anticipated.

Golden Eagle: Based on aerial habitat assessments and protocol surveys conducted for the Project, suitable nesting habitat and many historical nest records for golden eagles (*Aquila chrysaetos*) are located within 2 miles of the proposed work areas.

If the proposed work activities are planned during the golden eagle breeding season, a 1-mile buffer will be implemented for all active golden eagle nests unless buffer reductions are implemented in coordination with the U.S. Fish and Wildlife Service and California Department of Fish and Wildlife (CDFW).

Burrowing Owl: The proposed work areas are within the overall range of the burrowing owl (*Athene cunicularia*) and burrowing owl habitat is widespread across the project footprint, including on/near the proposed work areas. A pre-construction survey will be conducted prior to the initiation of construction activities in the proposed work areas in accordance with the 2012 CDFW Burrowing Owl Staff Report. If any active BUOW burrows are found during the preconstruction survey or construction activities, a buffer will be implemented according to the 2012 Staff Report. All BUOW and any active burrows will be avoided. If avoidance is not feasible an ITP for impacts to BUOW will be secured.

Special-Status Bats: Pallid bat (*Antrozous pallidus*) has potential to occur in the vicinity of the proposed work areas. Surveys for roosting bats will be conducted within 14 days prior to any grading of rocky outcrops or removal of large trees. If any active bat roosts are found during the surveys, an exclusion area will be established.

Special-Status Mammals: Special-status small mammals such as the American badger (*Taxidea taxus*) and desert bighorn sheep (*Ovis canadensis nelsoni*) have potential to occur in many parts of the proposed work area, as suitable habitat is widespread. If any special-status mammals are found during the preconstruction survey or construction activities, potential impacts will be addressed according to the Desert Kit Fox, American Badger, and Ringtail Avoidance and Mitigation Plan and mitigation measures.

Desert Tortoise: The proposed work areas are located within suitable desert tortoise habitat as determined by vegetation types and ground cover and L235 Sections 1 and 2, L235 CTS 1, both laydown yards, portions of L235 Section 3, and portions of Project access roads are in designated critical habitat for the species. Protocol-level desert tortoise surveys were conducted in Fall 2024 and a survey report is currently being prepared.

A preconstruction survey will be conducted prior to the initiation of construction activities in the proposed work areas. If any desert tortoises are found during the preconstruction survey or construction activities, potential impacts will be addressed through implementation of appropriate mitigation measures and biological monitoring.

Special-Status Terrestrial Herpetofauna: A preconstruction survey will be conducted prior to the initiation of construction activities in the additional work areas. If any special-status terrestrial herpetofauna are found during the preconstruction survey or construction activities, potential impacts will be addressed through implementation of the mitigation measures. If Mohave fringe-toed lizard are present in the splicing work area, a biological monitor will be present to assist with the location of equipment to avoid crushing this species.

Special-Status Plants: No state or federally protected threatened or endangered plant species have potential to occur. Joshua trees (*Yucca brevifolia*), if encountered, are expected to be eastern Joshua trees based on range maps published by CDFW; as such, western Joshua tree (*Yucca brevifolia* var. *brevifolia*) is determined not to occur. Twenty-nine special-status plants (defined as California Rare Plant Ranking (CRPR) plants ranked 1 and 2, and Bureau of Land Management S plants) have potential to occur within the proposed work areas and surrounding areas. Botanical field protocol surveys in suitable habitat are planned to be conducted in Spring 2025.

Project-specific protocol rare plant surveys are planned to be conducted in Spring 2025 in survey areas including all of the proposed work areas. In general, if special-status plants are observed, potential impacts to special-status plants will be addressed in accordance with the Special-Status Plant Salvage and Relocation Plan.

Cacti, Yucca, and Trees: A preconstruction survey will be conducted prior to the initiation of construction activities in the proposed work area. If any cacti and yucca are found during the preconstruction survey or construction activities, they will be avoided to the extent feasible. Unavoidable impacts to cacti and yucca will be addressed in accordance with the Cacti and Yucca Salvage Plan.

CULTURAL RESOURCES

A desktop analysis was conducted to determine the presence of and potential impacts to cultural resources within and directly surrounding the proposed work areas. The results indicate that approximately 30 percent of the project has been previously surveyed for cultural resources. Cultural surveys within portions of the proposed work areas and SoCalGas access roads are planned for areas that have not been subject to previous adequate survey. Mitigation measures for cultural resources will be incorporated based on the results of the surveys.

PALEONTOLOGICAL RESOURCES

A desktop analysis was conducted to determine the potential impacts to paleontological resources within and directly surrounding the proposed work areas. The proposed work areas are underlain by geologic units with the BLM Potential Fossil Yield Classification (PFYC) system ranks of Class 1 (Very Low), 2 (Low), 4 (High), and U (Unknown) potential for containing significant nonrenewable paleontological resources. Pedestrian surveys of the proposed work areas are planned for proposed work areas mapped as PFYC Class 4 or U. Windshield surveys will be conducted for proposed work areas mapped as PFYC Class 1 or 2. Mitigation measures for paleontological resources will be incorporated based on the results of the surveys.

JURISDICTIONAL WATERS

A jurisdictional delineation survey of the proposed work areas that had not been previously surveyed was conducted in Fall 2024. Waters under the jurisdiction of the Regional Water Quality Control Board (RWQCB) and California Department of Fish and Wildlife were determined to be present within the proposed work areas. No waters under the jurisdiction of the United States Army Corps of Engineers were determined to be present. A Jurisdictional Delineation Report is currently being prepared. If impacts to aquatic resources cannot be avoided, coverage under a Waste Discharge Requirements permit through the RWQCB and a Lake and Streambed Alteration Agreement through the CDFW will be pursued.

CONCLUSION

Based on close examination and analysis of the proposed scope of work, SCE did not identify any environmental constraints that warrant further review or would preclude approval of the MPR. With resource-specific surveys, preconstruction clearance surveys and implementation of the project mitigation measures and permit conditions, no additional significant impacts to biological, archaeological, paleontological resources, or jurisdictional waters are anticipated.

Resources:

Biological ☐ NO SENSITIVE RESOURCES PRESENT ☒ SENSITIVE RESOURCES PRESENT ☐ N/A

New Survey Report Attached: ☐ YES ☒ NO

If No, Previous Biological Survey Reference:

Insignia Environmental. 2018. Revised Biological Resources Technical Report for the Eldorado-Lugo-Mohave Series Capacitor Project. April.

Cultural ☐ NO RESOURCES PRESENT ☐ RESOURCES PRESENT WITH PROJECT APE: ☒ YES ☐ NO
☐ (PAVED/GRAVEL AREA AND NO GROUND DISTURBANCE)

If in APE, Previous Cultural Survey Reference:

Winslow, Diane L. and Julie E. Kramer, 2018, Audry, 2020. Winslow, Diane L. and Julie E. Kramer.

Rincon Consultants, Inc. 2020. Eldorado-Lugo-Mohave Series Capacitor Project, Paleontological Resources Mitigation Plan

If not in APE, attach new survey report.

Other Potential Impacts:

X AIR QUALITY	<input type="checkbox"/> LAND USE	X TRAFFIC
X BIOLOGICAL RESOURCES	X NOISE	X VISUAL
<input type="checkbox"/> CONTAMINATED SOILS	X PALEO RESOURCES	X WATER RESOURCES
X CULTURAL RESOURCES	<input type="checkbox"/> SOCIOECONOMIC	<input type="checkbox"/> WETLANDS
X HAZARDOUS MATERIALS	X STORM WATER (SWPPP)	

The proposed work could result in potential impacts to the resources indicated above. To mitigate any potential impacts, mitigation measures from the ELM Series Capacitor Project NEPA EA and the CEQA IS-MND will be incorporated for the work to limit the level of impacts to those described in those documents. A description of the potential impacts and the APMs and/or mitigation measures that would mitigate the impacts to each potentially impacted resource is provided below.

Air Quality The proposed work could result in a temporary impact to air quality due to activities on unpaved and paved surfaces, ground disturbance, and materials hauling, which cause fugitive dust, and the necessary use of equipment and motor vehicles that cause tailpipe emissions through the use of motor gasoline or diesel fuel. IS-MND Mitigation Measures MM AQ-1, APM AIR-01, APM AIR-02, APM AIR-03, APM AIR-04, and APM AIR-05 and EA Mitigation Measures AQ-1, AQ-2, AQ-3, AQ-4, AQ-5, and AQ-6 will be incorporated to reduce any potentially significant impacts that could occur as a result of the work described in this MNP.

Biological Resources Biological resources that have a potential to occur within the proposed work areas are described above. IS-MND Mitigation Measures MM BR-1, MM BR-2, MM BR-3, MM BR-4, MM BR-5, MM BR-6, MM BR-7, MM BR-8, MM BR-9, MM BR-10, MM BR-11, MM BR-12, and MM BR-13 and EA Mitigation Measures BIO-IFS-1, BR-1, BR-2, BR-3, BR-4, BR-5, BR-6, BR-7, BR-8, BR-9, BR-10, BR-11, BR-12, BR-13, BR-14, BR-15, BR-16, and BR-18 will be incorporated to reduce any potentially significant adverse impacts that could occur as a result of the work described in this MPR.

Cultural Resources A description of planned cultural resources surveys is provided above. IS-MND Mitigation Measures APM CUL-02, MM CR-1, MM CR-2, MM CR-3, MM CR-4, MM CR-5, MM CR-6, MM CR-7, MM CR-8, APM TCR-1, APM TCR-2, MM CR-1, MM CR-2, MM CR-3, MM CR-4, MM CR-5, MM CR-6, MM CR-7, and MM CR-8 and EA Mitigation Measures CR-1, CR-2, CR-3, CR-4, and CR-5 will be incorporated to reduce any potentially significant adverse impacts that could occur as a result of the work described in this MNP.

Hazardous Materials The proposed work may involve limited transport, storage, use, and disposal of hazardous materials. This may include the transport of fuels, lubricating fluids, and solvents. IS-MND Mitigation Measures MM HH-1 and MM H-2 and EA Mitigation Measures HM-1, HM-2, HM-3, HM-4, HM-5, HM-6, HM-7, HM-8, and HM-9 will be incorporated to reduce any potentially significant adverse impacts that could occur as a result of the work described in this MNP.

Noise The proposed work would create short-term construction noise levels; however, proposed work areas are almost entirely in undeveloped areas, along existing utility corridors. IS-MND Mitigation Measures APM NOI-01, APM NOI-02, MM N-1, and MM N-2 and EA Mitigation Measure NS-1 will be incorporated to reduce any potentially significant adverse impacts that could occur as a result of the work described in this MNP.

Paleontological Resources A description of planned paleontological resources surveys is provided above. IS-MND Mitigation Measures MM PAL-1, MM PAL-2, MM PAL-3, and MM PAL-4 and EA Mitigation Measures PR-1 and PR-2 and will be incorporated to reduce any potentially significant adverse impacts that could occur as a result of the work described in this MNP.

Storm Water SWPPP The proposed work would require a Change of Information under the Project’s existing SWPPP or a new SWPPP in order to comply with the 1972 Clean Water Act. Mitigation Measure MM HWQ-1 will be incorporated to reduce any potentially significant adverse impacts that could occur as a result of the work described in this MNP.

Traffic The proposed work could create a temporary increase in traffic, limited to worker commutes and the transport of supplies to and from construction areas and material supply sources. IS-MND Mitigation Measures MM T-1 and MM T-2 and EA Mitigation Measures TC-1, TC-2, TC-3, and TC-4 will be incorporated to reduce any potentially significant adverse impacts that could occur as a result of the work described in this MNP.

Visual Visual Impacts would be consistent with those described in the NEPA EA and the CEQA IS-MND. IS-MND Mitigation Measures MM AES-1, MM AES-2, MM AES-3 and MM BR-7 and EA Mitigation Measure VR-1 will be incorporated to reduce any potentially significant adverse impacts that could occur as a result of the work described in this MNP.

Water Resources As described above, the proposed work would cross additional CDFW and RWQCB-jurisdictional aquatic features. IS-MND Mitigation Measure MM HWQ and EA Mitigation Measures WQ-1, WQ-3, and WQ-4 will be incorporated to reduce any potentially significant adverse impacts that could occur as a result of the work described in this MPR.

CEQA and Permitting:

- 1. Will modification involve substantial changes that will require major changes to the CEQA document?
☐ YES ☒ NO
- 2. Will modification result in new significant environmental effects or a substantial increase in the severity of previously identified impacts?
☐ YES ☒ NO
- 3. Additional agency notifications and/or permit modifications required? ☒ YES ☐ NO

The proposed work will require additional agency notifications and permit modifications as summarized below.

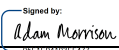
The proposed work involves construction on BLM and NPS land, which would require a Notice to Proceed and Special Use Permit, respectively. SoCalGas submitted a Standard Form 299 and supporting material to BLM for construction of the cathodic protection system on September 13, 2024. An application for a Special Use Permit was submitted to the NPS on September 13, 2024. Both applications are pending review. In addition, work on land under the jurisdiction of the CSLC will require an amendment of SoCalGas’s existing ROW lease.

As discussed above, if impacts to aquatic resources cannot be avoided, coverage under a Waste Discharge Requirements permit through the RWQCB and a Lake and Streambed Alteration Agreement through the CDFW will be pursued. Based on the preliminary results of the jurisdictional delineation survey, impacts to federal waters are not anticipated; therefore, aquatic permitting through the United States Army Corps of Engineers will not be required.

Conditions of Approval or Reasons for Denial:

Required Signatures:

Environmental Compliance Lead: X FIELD REVIEW COMPLETE

Name: Adam Morrison Signature:  Date: 1/27/2025

SCE Environmental Project Manager: X APPROVED ☐ APPROVED WITH CONDITIONS (SEE CONDITIONS ABOVE) ☐ DENIED

Name: Sylvia Granados Signature:  Date: 1/27/2025

SCE Project Manager: X APPROVED ☐ APPROVED WITH CONDITIONS (SEE CONDITIONS ABOVE) ☐ DENIED

Name: Selya Arce Signature:  Date: 1/27/2025

Certificate Of Completion

Envelope Id: 460F3D33-2183-4407-AD9E-16FD0F48EABC
 Subject: Complete with Docusign: MPR CathodicProtection_01272025.pdf
 Custom Envelope Field:
 Source Envelope:
 Document Pages: 9
 Certificate Pages: 5
 AutoNav: Enabled
 Envelopeld Stamping: Enabled
 Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Status: Completed
 Envelope Originator:
 Daniel Sarmiento
 P.O. Box 700
 Rosemead, CA 91770
 daniel.sarmiento@sce.com
 IP Address: 163.116.248.42

Record Tracking

Status: Original
 1/27/2025 2:22:07 PM
 Holder: Daniel Sarmiento
 daniel.sarmiento@sce.com

Location: DocuSign

Signer Events

Adam Morrison
 amorrison@rinconconsultants.com
 Security Level: Email, Account Authentication
 (None)

Signature

Signed by:

 05F1E94103FF477...

Signature Adoption: Pre-selected Style
 Using IP Address: 72.199.162.187

Timestamp

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Selya J. Arce
 selya.arce@sce.com
 Security Level: Email, Account Authentication
 (None)

DocuSigned by:


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Electronic Record and Signature Disclosure:
 Not Offered via DocuSign

SYLVIA Granados
 sylvia.granados@sce.com
 Security Level: Email, Account Authentication
 (None)

Signed by:

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Electronic Record and Signature Disclosure:
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In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events

Status

Timestamp

Carbon Copy Events	Status	Timestamp
Witness Events	Signature	Timestamp
Notary Events	Signature	Timestamp
Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	1/27/2025 2:32:14 PM
Envelope Updated	Security Checked	1/27/2025 3:04:12 PM
Envelope Updated	Security Checked	1/27/2025 3:04:12 PM
Envelope Updated	Security Checked	1/27/2025 3:04:12 PM
Envelope Updated	Security Checked	1/27/2025 3:04:12 PM
Certified Delivered	Security Checked	1/27/2025 3:06:11 PM
Signing Complete	Security Checked	1/27/2025 4:29:25 PM
Completed	Security Checked	1/27/2025 4:44:39 PM
Payment Events	Status	Timestamps
Electronic Record and Signature Disclosure		

ELECTRONIC RECORD AND SIGNATURE DISCLOSURE

From time to time, Southern California Edison Company (we, us or Company) may be required by law to provide to you certain written notices or disclosures. Described below are the terms and conditions for providing to you such notices and disclosures electronically through the DocuSign system. Please read the information below carefully and thoroughly, and if you can access this information electronically to your satisfaction and agree to this Electronic Record and Signature Disclosure (ERSD), please confirm your agreement by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

Getting paper copies

At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after the signing session and, if you elect to create a DocuSign account, you may access the documents for a limited period of time (usually 30 days) after such documents are first sent to you. After such time, if you wish for us to send you paper copies of any such documents from our office to you, you will be charged a \$0.00 per-page fee. You may request delivery of such paper copies from us by following the procedure described below.

Withdrawing your consent

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact Southern California Edison Company:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To advise Southern California Edison Company of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at IGInformationgovernance@sce.com and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

If you created a DocuSign account, you may update it with your new email address through your account preferences.

To request paper copies from Southern California Edison Company

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to IGInformationgovernance@sce.com and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with Southern California Edison Company

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

- i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an email to IGInformationgovernance@sce.com and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: <https://support.docusign.com/guides/signer-guide-signing-system-requirements>.

Acknowledging your access and consent to receive and sign documents electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

By selecting the check-box next to 'I agree to use electronic records and signatures', you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Southern California Edison Company as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Southern California Edison Company during the course of your relationship with Southern California Edison Company.