

FINAL

# Mining Operations Plan

West of Devers Upgrade Project  
Riverside and San Bernardino Counties, California

*Prepared for*

Southern California Edison

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# Mining Operations Plan Checklist

### Applicable Agencies:

- Bureau of Indian Affairs
- Bureau of Land Management
- California Department of Fish and Wildlife
- California Public Utilities Commission
- Coachella Valley Conservation Commission
- Morongo Band of Mission Indians
- Riverside County Regional Conservation Authority
- U.S. Fish and Wildlife Service

### Applies in the Following Areas:

- BLM Lands
- Morongo Reservation
- San Bernardino County
- CV-MSHCP
- WR-MSHCP
- Riverside County

### Applies to the Following Project Components:

- Transmission Line
- Subtransmission
- Telecom
- Substations
- Distribution
- Construction Yards

### Addresses the Following Measures:

- FEIR/FEIS MM MR-1a      Coordinate with Quarry Operations
- PEA APM MIN-1      Minimize interference with mining operations at Robertson’s Ready Mix Banning Rock Plant #66

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# Acronyms and Abbreviations

APM	Applicant Proposed Measure
BLM	Bureau of Land Management
CPCN	Certificate of Public Convenience and Necessity
CPUC	California Public Utilities Commission
FEIR	Final Environmental Impact Report
FEIS	Final Environmental Impact Statement
kV	kilovolt(s)
MM	mitigation measure
MOP	Mining Operations Plan
MW	megawatt(s)
PEA	Proponent's Environmental Assessment
Plan	Mining Operations Plan
Project	West of Devers Upgrade Project
ROD	Record of Decision
ROW	right-of-way
SCE	Southern California Edison
WOD	West of Devers

# Introduction

Southern California Edison (SCE) proposes to construct the West of Devers (WOD) Upgrade Project (Project) to increase the power transfer capability of the WOD 220-kilovolt (kV) transmission lines between Devers, El Casco, Vista, and San Bernardino substations. The Project is needed to facilitate the full deliverability of new electric generation resources being developed in eastern Riverside County, in an area designated by the California Independent System Operator for planning purposes as the Blythe and Desert Center areas. The Project, planned to be operational by 2021, would upgrade the existing WOD transmission line system by replacing the existing WOD 220-kV transmission lines and associated structures with higher-capacity transmission lines and structures and making telecommunication improvements.

This Mining Operations Plan (Plan or MOP) for SCE's West of Devers (WOD) Upgrade Project (Project) presents the activities to be conducted to support compliance with the measures listed in Table 1-1. Compliance with the measures listed in Table 1-1 will reduce potential impacts to mining operations resulting from construction of the Project.

This MOP provides mining operation avoidance control methods for construction activities and/or sources that could potentially interfere with mining operations. These sources and/or activities include power line location in proximity to mining operations, construction during mining operations, and the management of tower, power line, and road construction activities.

## 1.1 Project Overview

The Project would upgrade the existing WOD system by replacing existing 220-kV transmission lines and associated structures with new, higher-capacity 220-kV transmission lines and structures, modifying existing substation facilities, removing and relocating existing subtransmission (66-kV) lines, removing and relocating existing distribution (12-kV) lines, and making various telecommunication improvements. In particular, the Project would:

- Upgrade substation equipment within SCE's existing Devers, El Casco, Etiwanda, San Bernardino, and Vista substations in order to accommodate continuous and emergency power on the upgraded WOD 220-kV transmission lines. Activities related to substation upgrades will take place within the existing, disturbed fence lines of the substations and are not addressed further in this Plan.
- Remove and upgrade the existing 220-kV transmission lines and structures primarily within the existing WOD corridor as follows:
  - Segment 1 would be approximately 3.5 miles long and extend south from the San Bernardino Substation to the San Bernardino Junction. It would include the following existing 220-kV transmission lines: Devers–San Bernardino, Etiwanda–San Bernardino, San Bernardino–Vista, and El Casco–San Bernardino.
  - Segment 2 would be approximately 5 miles long and extend west from the San Bernardino Junction to Vista Substation. It would include the following existing 220-kV transmission lines: Devers–Vista No. 1 and Devers–Vista No. 2.
  - Segment 3 would be approximately 10 miles long and extend east from the San Bernardino Junction to El Casco Substation. It would include the following existing 220-kV transmission lines: Devers–Vista No. 1, Devers–Vista No. 2, El Casco–San Bernardino, and Devers–San Bernardino.

- Segment 4 would be approximately 12 miles long and extend east from El Casco Substation to San Gorgonio Avenue in the City of Banning. It would include the following existing 220-kV transmission lines: Devers–Vista No. 1, Devers–Vista No. 2, Devers–El Casco, and Devers–San Bernardino.
- Segment 5 would be approximately 9 miles long and extend east from San Gorgonio Avenue in the City of Banning to the eastern limit of the Morongo Reservation (Morongo Band of Mission Indians) at Rushmore Avenue. It would include the following existing 220-kV transmission lines: Devers–Vista No. 1, Devers–Vista No. 2, Devers–El Casco, and Devers–San Bernardino.
- Segment 6 would be approximately 8 miles long and extend east from the eastern boundary of the Morongo Reservation to Devers Substation. It would include the following existing 220-kV transmission lines: Devers–Vista No. 1, Devers–Vista No. 2, Devers–El Casco, and Devers–San Bernardino.
- Remove a portion (approximately 2 miles) of the existing San Bernardino–Redlands–Timoteo and San Bernardino–Redlands–Tennessee 66-kV Subtransmission Lines from within the existing WOD right-of-way (ROW) and reconstruct as follows:
  - The relocated San Bernardino–Redlands–Timoteo 66-kV Subtransmission Line would be approximately 2 miles long and would reconnect to the San Bernardino–Redlands–Timoteo 66-kV Subtransmission Line inside Timoteo-Substation.
  - The relocated San Bernardino–Redlands–Tennessee 66-kV Subtransmission Line would be approximately 3.5 miles long and would reconnect to the San Bernardino–Redlands–Tennessee 66-kV Subtransmission Line at Barton Road.
- Remove a portion of the existing Dental and Intern 12-kV distribution circuits within the WOD ROW and relocate the circuits as follows:
  - The relocated Dental 12-kV Distribution Circuit would be approximately 1.5 miles long and would reconnect to the existing Dental 12-kV circuit.
  - The relocated Intern 12-kV Distribution Circuit would be approximately 2.25 miles long and would reconnect to the Intern 12-kV circuit.
- Install telecommunication lines and equipment for the protection, monitoring, and control of transmission lines and substation equipment.

## 1.2 Project Location

The Project crosses the cities of Banning, Beaumont, Calimesa, Colton, Grand Terrace, Loma Linda, Palm Springs, Rancho Cucamonga, Redlands, San Bernardino, and Yucaipa, and unincorporated areas of Riverside and San Bernardino counties. The transmission corridor passes over Interstate 215 in San Bernardino County, as well as State Route (SR) 60, SR-79, SR-243, and SR-62 in Riverside County, and runs approximately parallel to the Interstate 10 corridor for the majority of the corridor in both San Bernardino and Riverside counties (Figure 1-1).

## 1.3 Lead Agencies

Lead agencies have discretionary approval over the Project and are responsible for reviewing aspects of the measures documented in this MOP. The California Public Utilities Commission (CPUC) is the state lead agency responsible for compliance with the California Environmental Quality Act. The Bureau of Land Management (BLM) is the federal lead agency responsible for compliance with National

Environmental Policy Act. Identified materials or documentation will be provided to the CPUC and BLM per the Project requirements (Table 1-1).

## 1.4 Measures

The measures, including Applicant Proposed Measures (APMs) from the Proponent’s Environmental Assessment (PEA) (SCE, 2013) and mitigation measures (MMs) from the Final Environmental Impact Report<sup>1</sup> (FEIR) and Final Environmental Impact Statement (FEIS) (BLM, 2016a), as presented in the Certificate of Public Convenience and Necessity (CPCN) (CPUC, 2016b) and record of decision (ROD) (BLM, 2016b), respectively, addressed in this Plan are listed in Table 1-1.

**Table 1-1. Applicable Applicant Proposed Measures, Mitigation Measures, and Other Regulatory Requirements**  
*WOD Mining Operations Plan*

Measure	Description
FEIR/FEIS MM MR-1a	<b>Coordinate with quarry operations.</b> Prior to construction within the Banning Rock Plant No. 66, SCE would consult with the plant owners and plant operations and management personnel. The consultation will include identification of locations of active mining and coordination of construction activities in and through those areas and to determine the best way to proceed with project construction, all with the goal of minimizing any disruption to plant operations. A plan to avoid or minimize interference with mining operations shall be prepared in conjunction by SCE documenting how coordination with the quarry operators is expected to occur. Prior to construction in the quarry area, SCE shall provide CPUC and BLM a copy of this plan.
PEA APM MIN-1	To minimize interference with mining operations at Robertson’s Ready Mix Banning Rock Plant No. 66, SCE will coordinate with the owner/operator to avoid critical mining periods and high-volume earthmoving days and will document said coordination.

Sources: CPUC, 2016b

Notes:

To avoid redundancy, the FEIR/FEIS MM language was copied from the CPCN (CPUC, 2016b). While subtle differences in MM language were noted upon review of the ROD (BLM, 2016b), the requirements are ultimately the same. References for the citations in the requirement descriptions can be found in the source documents.

APM = applicant proposed measure

## 1.5 Applicable Project Segments

The Plan addresses construction notification required prior to construction, during construction, and during post-construction/restoration activities for the Project segments listed in Table 1-2.

**Table 1-2. Applicable Project Segments**  
*WOD Mining Operations Plan*

Measure	Applicable Segments
MM MR-1a	Segment 5
APM MIN-1	Segment 5

## 1.6 Timing

The measures described in this Plan are applicable during the preconstruction, construction, and post-construction/restoration phases of the Project, as shown in Table 1-3.

<sup>1</sup> For the purpose of this Plan, “FEIR” refers to the FEIR (CPUC, 2015) and Addendum to the FEIR (CPUC, 2016a).

**Table 1-3. Applicable Timing**  
*WOD Mining Operations Plan*

Measure	Period		
	Preconstruction	Construction	Post-Construction/Restoration
MM MR-1a	☒	☒	☒
APM MIN-1	☒	☒	☒

# Methods

This section includes a detailed description of the actions required to implement the applicable APM and MM for the project elements covered by this Plan.

The FEIR/FEIS has determined that mining operations are present within the ROW and adjacent to proposed construction, which could result in interference with mining operations if the MMs are not instituted. The following subsections include descriptions of the actions required to comply with the MMs required by the CPCN (CPUC, 2016a) and ROD (BLM, 2016b), and the responsibilities and coordination between SCE and the construction contractor.

The construction contractor shall be responsible for complying with federal, state, and local requirements for coordinating with and limiting interference with mining operations. SCE will include these requirements in the construction contract specifications. The construction contractor will be responsible for implementing the performance requirements identified in this MOP. SCE personnel that visit the construction site will also be familiar with these applicable requirements.

## 2.1 Mitigation Measure MR-1a: Coordinate with Quarry Operations

The project identified in the plan of development crosses Banning Rock Plant No. 66, an active sand and gravel quarry operated by Robertson's Ready Mix at the northeastern edge of the City of Banning.

### 2.1.1 Mining Operations Avoidance Measures

#### 2.1.1.1 Coordination with Banning Rock Plant No. 66

Prior to finalizing the tower location design, SCE will meet with operations and management personnel of Robertson's Ready Mix, visit the plant, and observe the plant's daily operations. The following information will be obtained during the site visit:

- Locations of active mining
- The hours of operation at each mining location as well as the facilities
- Hauling schedules from and to the facilities
- Impacts that tower and power line construction could potentially have on such mining activities

#### 2.1.1.2 Finalization of Tower Locations

The following mining operations avoidance measures will be implemented in the final tower location design:

- Final design drawings will locate towers outside of the active mining locations in coordination with quarry management.
- Final construction documents will restrict construction activities within areas of active mining operations with an appropriate buffer established in coordination with quarry management.

### 2.1.1.3 Mining Operations Avoidance Plan

The following mining operations avoidance measures will be implemented as a plan to minimize the impacts from construction activities:

- Prior to the start of construction, SCE will submit a detailed construction plan to Robertson’s Ready Mix, including the finalized tower placement and spanning design plans as well as the construction operations schedule for the project area. The plan will document compliance with the identified APM and MM.
- SCE will incorporate into the finalized plan any appropriate supplemental measures agreed to with Robertson’s Ready Mix management.
- SCE will document compliance with these measures prior to the start of construction and submit a memorandum that demonstrates SCE’s outreach and coordination with the Robertson’s Ready Mix plant to the CPUC and BLM prior to the start of construction.

### 2.1.2 Monitoring Requirements

SCE will monitor compliance with the requirements in this Plan.

## 2.2 Applicant Proposed Measure MIN-1: To Minimize Interference with Mining Operations

The Mining Operations Avoidance Plan provides guidance for minimizing impacts to mining operations from the Project, including coordination with the owner/operator of Banning Rock Plant No. 66 to avoid critical mining periods and high-volume earthmoving days, are addressed in Section 2.1.

SECTION 3

# Plan Approval

This MOP has been prepared to address the requirements of MM MR-1a and APM MIN-1. The ROD has been approved. SCE requests review and approval of this Plan from the CPUC and BLM.

# References

Bureau of Land Management (BLM). 2016. *Final Environmental Impact Statement Report - Southern California Edison's West of Devers Upgrade Project*. August.

Bureau of Land Management (BLM). 2016b. *Record of Decision for the West of Devers Upgrade Project*. BLM/CA/PL-2015/012+1793, DOI-BLM-CA-060-0015-0021, CACA-055285. December.

California Public Utilities Commission (CPUC). 2015. *Final Environmental Impact Report - Southern California Edison's West of Devers Upgrade Project*. December. Available online at <http://www.cpuc.ca.gov/environment/info/asp/westofdevers/toc-feir.htm>.

California Public Utilities Commission (CPUC). 2016a. *Decision Granting Certificate of Public Convenience and Necessity for the West of Devers Upgrade Project and Related Matter*. August. Available online at <http://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M166/K441/166441910.pdf>.

California Public Utilities Commission (CPUC). 2016b. *Addendum to Final Environmental Impact Report Southern California Edison's West of Devers Upgrade Project*. SCH #2014051041. April.

Southern California Edison (SCE). 2013. *Proponent's Environmental Assessment*. West of Devers Upgrade Project. Prepared for the California Public Utilities Commission. October 2013. Available online at <http://www.cpuc.ca.gov/environment/info/asp/westofdevers/toc-pea.htm>.

# Revisions

Revisions made to standard text (black ink) should be noted below to document changes in requirements or SCE's approach to this Mining Operations Plan.

<b>Date</b>	<b>Description of Revision</b>	<b>Contact</b>

Figure

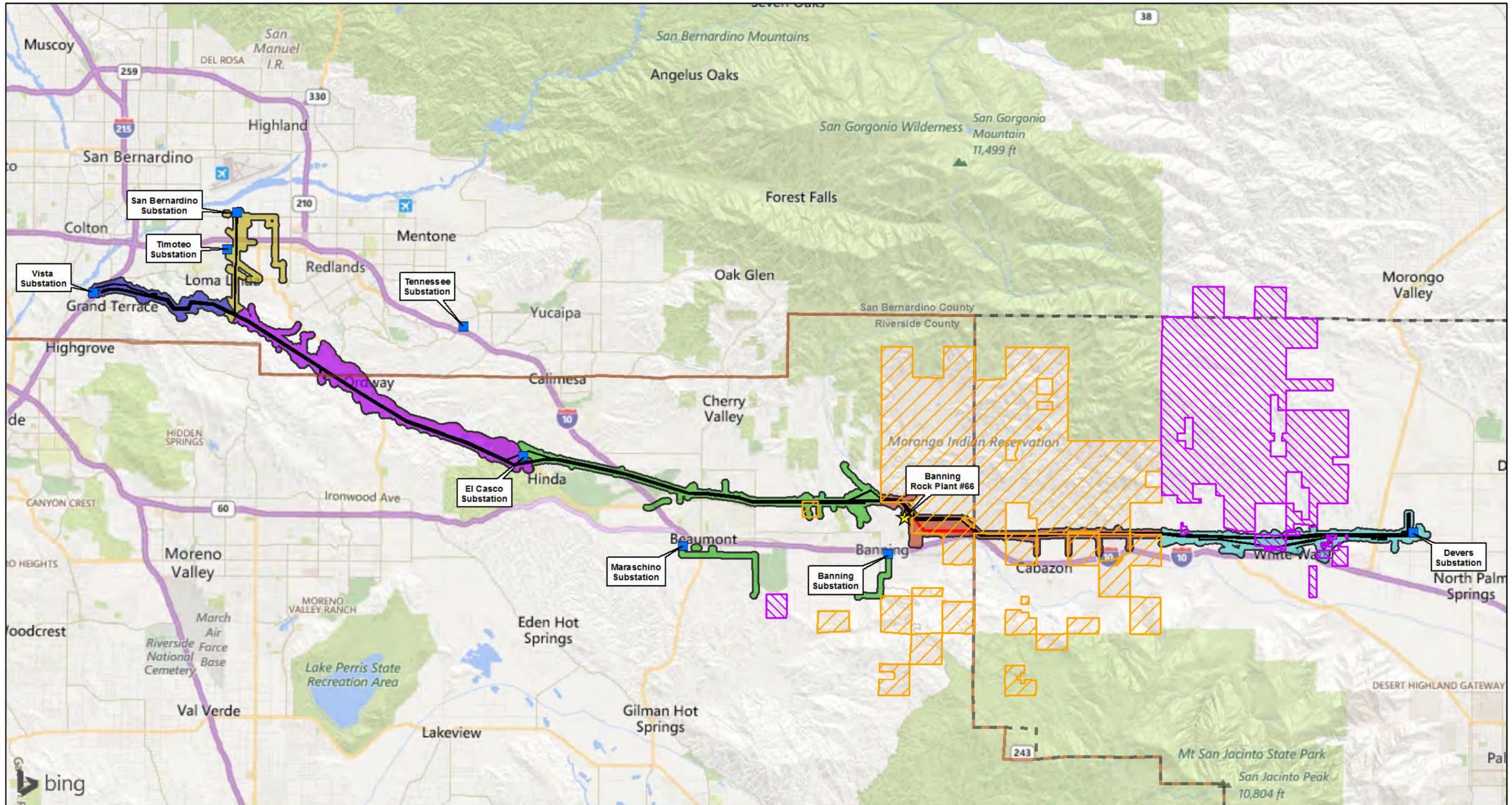


FIGURE 1-1

**SOUTHERN CALIFORNIA EDISON**  
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**LEGEND**

- Project Study Area
- Existing Transmission Line Right of Way
- Proposed Right of Way
- Substation
- ★ Banning Rock Plant #66

- Segment 1
- Segment 2
- Segment 3
- Segment 4
- Segment 5
- Segment 6
- U.S. Bureau of Land Management
- Morongo Reservation
- Western Riverside County MSHCP
- Coachella Valley MSHCP



Southern California Edison  
 West of Devers Upgrade Project  
**Project Location Map**  
 Mining Operations Plan