



Draft
Environmental Impact Report
for the
Stagecoach Solar Project

State Clearinghouse No. 2020100234
CSLC EIR No. 763; W30213; W26868

Lead Agency:
California State Lands Commission
100 Howe Avenue, Suite 100 South
Sacramento, CA 95825



October 2021



MISSION STATEMENT

The California State Lands Commission provides the people of California with effective stewardship of the lands, waterways, and resources entrusted to its care based on the principles of equity, sustainability, and resiliency, through preservation, restoration, enhancement, responsible economic development, and the promotion of public access.

CEQA DOCUMENT WEBSITE

www.slc.ca.gov/Info/CEQA.html

Project Geographic Location:

Latitude: 34°38'9.06"N
Longitude: 117° 1'23.73"W
(Datum WGS84)

Document prepared in coordination with:



EXECUTIVE SUMMARY

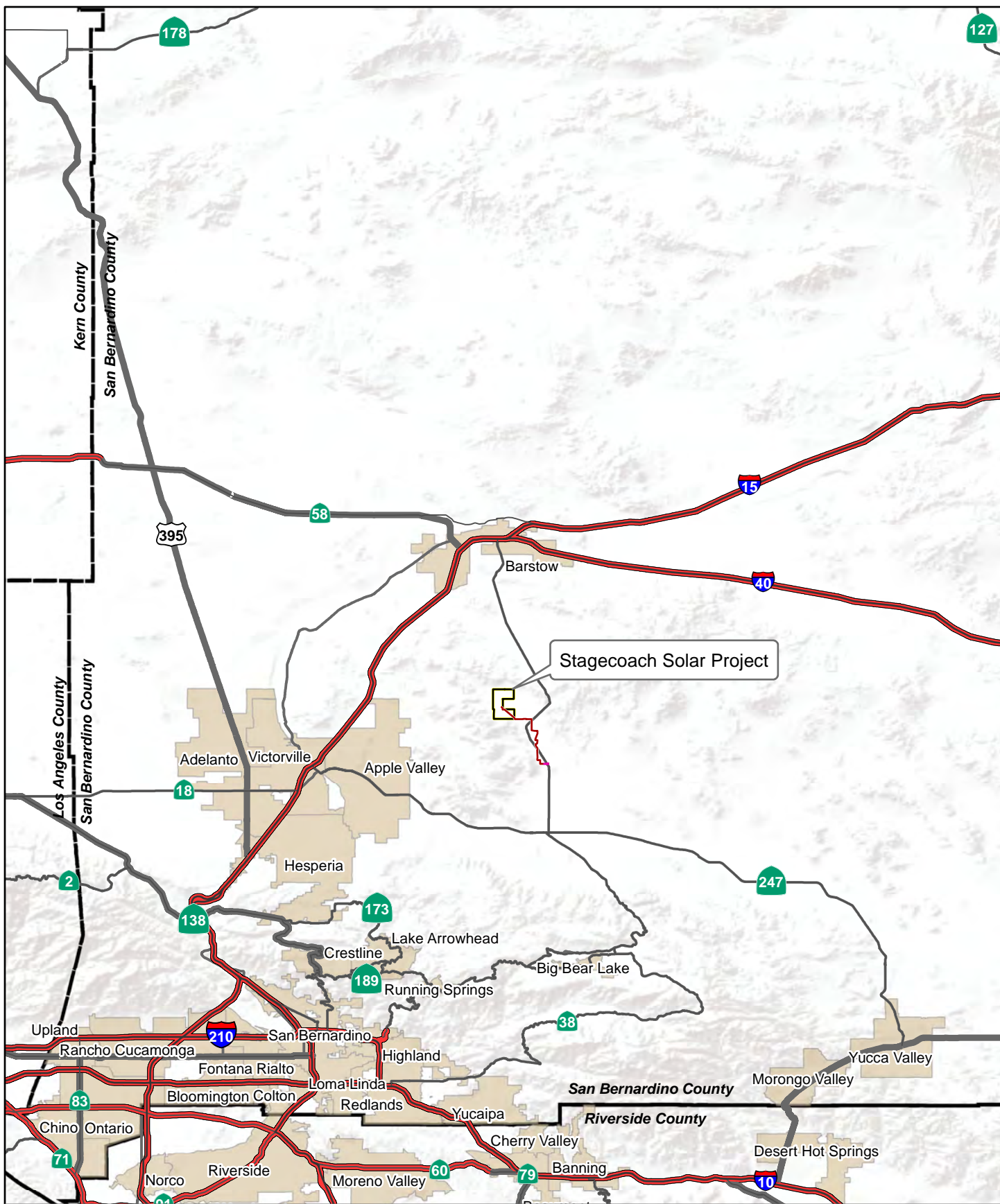
1 BACKGROUND, PROJECT LOCATION, AND PROJECT SCOPE

2 The California State Lands Commission (CSLC), as lead agency under the California
3 Environmental Quality Act (CEQA; Pub. Resources Code, § 21000 et seq.), has prepared
4 this Environmental Impact Report (EIR) for the proposed Stagecoach Solar Project
5 (Proposed Project). Aurora Solar, LLC (Aurora Solar or Applicant), a wholly owned
6 subsidiary of Avangrid Renewables, has applied to the CSLC for a lease of State-owned
7 school lands managed by the CSLC on which to construct and operate the Proposed
8 Project, a solar energy generation project located in San Bernardino County, approximately
9 15 miles south of the City of Barstow and 12 miles northwest of the unincorporated
10 community of Lucerne Valley. The Proposed Project would generate up to 200 megawatts
11 (MW) of solar energy using photovoltaic (PV) and battery storage technologies. Collectively,
12 the Stagecoach Facilities would include the solar arrays, ancillary project facilities, a
13 battery energy storage system (BESS), and a 220 kilovolt (kV) electrical generation intertie
14 (gen-tie) line. The Project area and design details are illustrated in Figure ES-1 (Stagecoach
15 Solar Project Region), Figure ES-2 (Proposed Project [Overview]), and Figure ES-3
16 (Proposed Project [Solar Generation Plant]).

17 The purpose of this EIR is to identify the significant impacts on the environment of the
18 Proposed Project, identify the alternatives to the Proposed Project, and indicate the
19 manner in which those significant effects can be mitigated or avoided (Pub. Resources
20 Code, § 21002.1, subd. (a)). This EIR is intended to provide the CSLC with information
21 required to exercise its jurisdictional responsibilities with respect to the issuance of a lease
22 for the Proposed Project (to be considered at a noticed public meeting). Responsible
23 agencies can use the information in a certified EIR in exercising their jurisdictional or
24 regulatory responsibilities related to the Proposed Project.

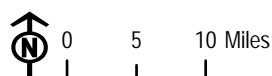
25 The proposed Stagecoach Facilities lease area covers 3,570 acres comprising six
26 undeveloped parcels managed by the CSLC.¹ Within the 3,570-acre area, approximately
27 1,975 acres would be occupied by the solar panels, ancillary project facilities, and BESS
28 (collectively referred to as the Stagecoach Solar Generation Plant). The Stagecoach Gen-
29 tie Line would run approximately 9.1 miles, connecting the Stagecoach Solar Generation
30 Plant to the Southern California Edison (SCE) Calcite Substation proposed by SCE.

¹ Assessor Parcel Numbers (APNs) 046-430-101, 046-430-102, 046-430-104, 046-430-105, 041-716-254, 041-716-253.

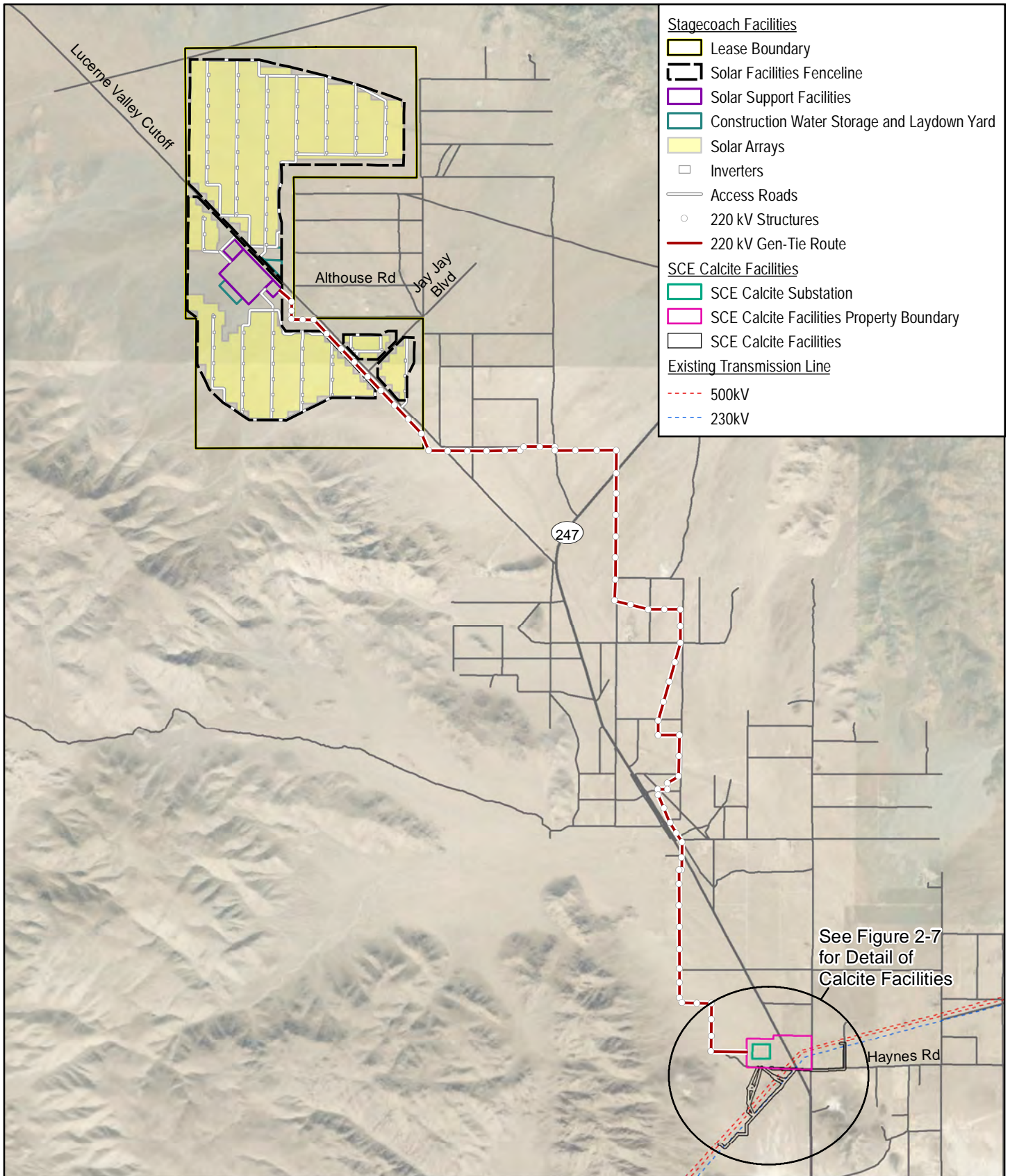


Source: Dudek

Figure ES-1



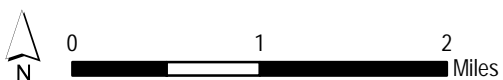
Stagecoach Solar Project Region



See Figure 2-7 for Detail of Calcite Facilities

Figure ES-2

Proposed Project (Overview)



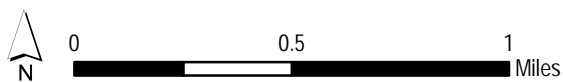
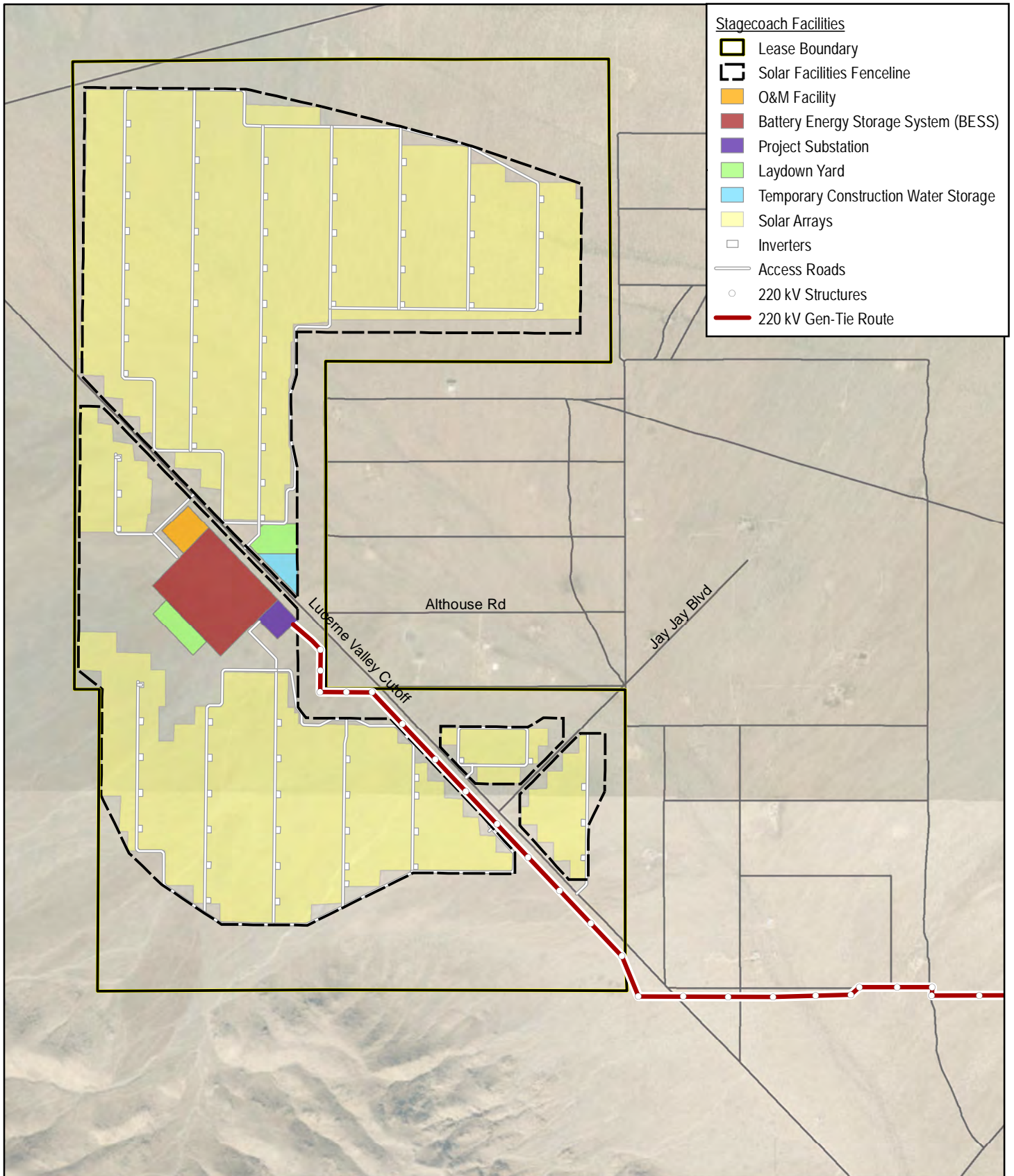


Figure ES-3

Proposed Project (Solar Generation Plant)

1 This EIR also evaluates the proposed SCE Calcite Facilities that would be used to
2 interconnect electrical generation facilities in the region to the SCE electrical system. It
3 would be designed, constructed, owned, operated, and maintained by SCE and falls under
4 the permitting jurisdiction of the California Public Utilities Commission (CPUC), which
5 would use this EIR to evaluate impacts of the SCE Calcite Facilities. Among other
6 authorizations and approvals, the SCE Calcite Facilities would require a discretionary
7 Permit to Construct from the CPUC. Because this substation is needed to deliver electricity
8 from the Stagecoach Facilities, construction and operation of the proposed SCE Calcite
9 Facilities, including the SCE Calcite Substation and associated interconnection equipment,
10 are considered part of the Proposed Project for purposes of environmental review. The
11 SCE Calcite Facilities are shown on Figure ES-2.

12 **PROPOSED PROJECT DESCRIPTION**

13 **Stagecoach Facilities**

14 The Proposed Project would include the following primary components:

- 15 • Solar PV modules (also referred to as solar panels) and inverters with generating
16 capacity of up to 200 MW at the point of interconnect
- 17 • An underground and overhead 34.5 kV collection system linking the PV modules to
18 the onsite collector substation
- 19 • A 5-acre 34.5 kV/220 kV substation within the Stagecoach Solar Generation Plant
20 boundaries
- 21 • A 5,000-square-foot operations and maintenance (O&M) facility
- 22 • A BESS covering up to 56 acres and with approximately 200-800 MW hours of
23 capacity
- 24 • New access roads within the fence line of the Proposed Project area
- 25 • New access roads to enter the Proposed Project area
- 26 • Fencing and site security systems
- 27 • Permanent groundwater wells or an on-site water tank using water transported from
28 off-site for the O&M building and to facilitate washing of the PV modules
- 29 • An approximately 9.1-mile-long 220 kV generation intertie transmission line
30 (Stagecoach Gen-tie Line) to interconnect the solar field to the proposed SCE
31 Calcite Substation
- 32 • A fiber optic line from the Stagecoach Solar Generation Plant substation to the SCE
33 Calcite Substation within the Stagecoach Gen-tie Line right-of-way (ROW; installed
34 mostly underground, with a few overhead segments on wood poles)

1 Construction of the Stagecoach Facilities would take approximately 18 months. The
2 operating life of the project is anticipated to be 40 years. Following operation, all facilities
3 would be removed in accordance with a Decommissioning Plan filed with the CSLC.

4 **SCE Calcite Facilities**

5 The proposed SCE Calcite Facilities would be located on and adjacent to an approximately
6 75-acre parcel that extends on the west and east sides of State Route 247 (SR-247 or
7 Barstow Road), directly north of Haynes Road, in San Bernardino County. The main
8 components of the proposed SCE Calcite Facilities are:

- 9 • The SCE Calcite Substation with a 220 kV switchyard on approximately 7 acres
10 along with approximately 4 additional acres for drainage, grading, and an access
11 road
- 12 • Transmission structures to loop-in the Lugo-Pisgah No. 1 220 kV transmission line
13 into SCE Calcite Substation adding a total of approximately 5,000 feet of new
14 transmission line (two lines of approximately 2,500 feet located adjacent to one
15 another, creating the Calcite-Lugo and Calcite-Pisgah 220 kV transmission lines)
- 16 • Structures to connect the Stagecoach Gen-tie Line into the SCE Calcite Substation
- 17 • Approximately 700 feet of 12 kV overhead distribution line and approximately 3,100
18 feet of underground distribution line (connecting the existing distribution system
19 along Haynes Road to the SCE Calcite Substation) to provide temporary power for
20 construction and permanent substation light and power
- 21 • Fiber optic communication cables, equipment, and associated structures for required
22 duplication of communications systems. The telecommunication facilities would
23 include a Remedial Action Scheme, which is a protective system providing rapid
24 automated response to outages and unplanned system events.

25 **SUMMARY OF PROJECT OBJECTIVES, PURPOSE, AND NEED**

26 Aurora Solar's objectives for the Proposed Project are as follows:

- 27 • Establish reliable solar PV power-generating facilities in an economically feasible
28 and commercially financeable manner that can be marketed to potential power
29 purchasers
- 30 • Assist California utilities in meeting their obligations under California's Renewables
31 Portfolio Standard (RPS). In September 2018, Governor Brown signed Senate Bill
32 (SB) 100 (De León), Chapter 312, Statutes of 2018 (SB 100), which requires
33 California electric utilities to generate at least 60 percent of their power from
34 renewable resources and to mandate that the state obtain 100 percent of its
35 electricity from carbon-free sources by 2045.

- 1 • Assist California in meeting greenhouse gas (GHG) emissions reduction goal as
2 required by the California Global Warming Solutions Act (Assembly Bill (AB) 32,
3 Gatto 2014), as amended by SB 32 in 2016, which establishes a target of GHG
4 emissions reductions in the State to be 40 percent of 1990 levels by 2030
 - 5 • Assist California in transitioning the transportation sector to zero-emission vehicles
6 by 2035 under Executive Order N-79-20, signed by Governor Newsom on
7 September 23, 2020
 - 8 • Co-locate energy storage facilities of sufficient size and configuration to reliably
9 store electricity in an economically feasible and commercially financeable manner to
10 facilitate the integration of solar energy into the California Independent System
11 Operator (CAISO) transmission grid
 - 12 • Locate solar power plant and associated energy storage facilities as close as
13 possible to electrical transmission facilities with anticipated capacity and available
14 interconnection to the CAISO transmission grid
 - 15 • Site the Proposed Project in an area with high solar insolation² in order to maximize
16 productivity from the PV technology
 - 17 • Use proven and available solar PV and energy storage technologies
 - 18 • Create local short- and long-term employment and business opportunities in the
19 region
- 20 SCE has proposed to build the SCE Calcite Facilities in response to an interconnection
21 application from Aurora Solar, LLC.

22 **CSLC MANAGEMENT OF SCHOOL LANDS**

23 The CSLC is responsible for managing and enhancing State-owned School Lands in order
24 to provide revenue for the California State Teachers' Retirement Fund. The CSLC is also
25 required to identify new, sustainable, equitable, and responsible revenue streams,
26 including consideration of project requests for proposals with desired revenue-generating
27 activities like solar, geothermal, wind, and wave energy (CSLC 2021b). The CSLC is also
28 committed to supporting State renewable energy goals. Therefore, the CSLC will review
29 the Proposed Project for its ability to develop school lands into productive resource base
30 that generates revenue (CSLC 2020). The long-term leasing of school lands for solar
31 energy generation creates ongoing income for the California State Teachers' Retirement
32 Fund.

² Insolation is a measure of solar radiation energy received on a given surface in a given time. It is commonly expressed as an average irradiance in watts per square meter (W/m²) or kilowatt-hours per square meter per day (kWh/m²/day). The region in which the Project is located receives greater than 5.75 kWh/m²/day of solar radiation energy, giving it a higher degree of solar radiation than most areas within the United States (NREL 2021).

1 SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

2 This EIR assesses the potentially significant impacts of the Proposed Project on the
3 following environmental issue areas:

- | | | |
|----|-----------------------------------|--|
| 4 | • Aesthetics/Light and Glare | • Hydrology and Water Quality |
| 5 | • Air Quality | • Land Use and Planning |
| 6 | • Biological Resources | • Noise and Vibration |
| 7 | • Cultural Resources | • Paleontological Resources |
| 8 | • Cultural Resources – Tribal | • Population and Housing |
| 9 | • Energy | • Public Services, Utilities, and
Service Systems |
| 10 | • Geology and Soils | • Recreation |
| 11 | • Greenhouse Gas Emissions | • Traffic and Transportation |
| 12 | • Hazards and Hazardous Materials | • Wildfire |

13 Impacts within each affected environmental issue area are analyzed in relation to pertinent
14 significance criteria. Impacts are classified as one of five categories.

- 15 • **Significant and Unavoidable:** A substantial or potentially substantial adverse
16 change from the environmental baseline that meets or exceeds significance criteria,
17 where either no feasible mitigation can be implemented, or the impact remains
18 significant after implementation of mitigation measures
- 19 • **Less than Significant with Mitigation:** A substantial or potentially substantial
20 adverse change from the environmental baseline that can be avoided or reduced to
21 below applicable significance thresholds
- 22 • **Less than Significant:** An adverse impact that does not meet or exceed the
23 significance criteria of a particular resource area and, therefore, does not require
24 mitigation
- 25 • **Beneficial:** An impact that would result in an improvement to the physical
26 environment relative to baseline conditions
- 27 • **No Impact:** A change associated with the Project that would not result in an impact
28 to the physical environment relative to baseline conditions

29 The analysis in this EIR presents nearly 50 mitigation measures that would reduce the
30 severity of the environmental impacts of the Proposed Project. Mitigation measures (MM)
31 are listed in Table ES-1.

Table ES-1. List of Recommended Mitigation Measures

MM #	MM Title
MM ALG-5	Minimize Night Lighting at Project Facilities
MM ALG-6	Surface Treatment and Design of Project Structures and Buildings
MM AQ-1a	Fugitive Dust Control
MM AQ-1b	Control On-Site Off-Road Equipment Emissions
MM BIO-1a	Implement Biological Monitoring
MM BIO-1b	Implement Worker Environmental Awareness Training
MM BIO-1c	Minimize Impact and Protect Identified Vegetation and Habitat
MM BIO-1d	Weed Management
MM BIO-1e	Revegetation
MM BIO-1f	Protect Important Plants
MM BIO-1g	Compensate for Loss of Natural Habitat
MM BIO-3a	Protect Wildlife Resources
MM BIO-3b	Relocate Special-status Wildlife Species
MM BIO-3c	Protect Desert Tortoise
MM BIO-3d	Protect Desert Kit Fox and American Badger
MM BIO-3e	Avoid Effects on Burrowing Owl
MM BIO-3f	Bird and Bat Protection
MM BIO-3g	Implement Protective Designs for Collector Line and Gen-tie Lines
MM CUL-1a	Retain a Cultural Resources Specialist
MM CUL-1b	Prepare and Implement a Cultural Resources Monitoring Plan
MM CUL-1c	Develop and Implement Cultural Resources Environmental Awareness Training
MM CUL-1d	Archaeological Monitoring
MM CUL-1e	Unanticipated Discoveries
MM CUL-1f	Monitoring Report
MM CUL-1g	Avoidance of Environmentally Sensitive Area
MM CUL-3	Treatment of Human Remains
MM TCR-1a	Tribal Monitoring
MM TCR-1b	Treatment of Cultural Resources
MM GEO-5	Prepare Desert Pavement Assessment
MM GEO-7	Assess Unsuitable Soils
MM HAZ-1	Hazardous Materials Training and Management Plan
MM HAZ-2	Unexploded Ordnance (UXO) Identification, Training, and Reporting Plan

Table ES-1. List of Recommended Mitigation Measures

MM #	MM Title
MM HAZ-3a	Aerially Deposited Lead Testing Program
MM HAZ-3b	Soil and Groundwater Management Plan
MM HAZ-5a	Limit the Conductor Surface Gradient
MM HAZ-5b	Document and Resolve Electronic Interference Complaints
MM HAZ-5c	Implement Grounding Measures
MM HWQ-2	Prepare & Implement Groundwater Monitoring and Reporting Plan (Mitigation for cumulative impact)
MM HWQ-3	Drainage Plan Development
MM NOI-1a	Construction Restrictions
MM NOI-1b	Public Notification Process
MM NOI-1c	Noise Complaint Process
MM NOI-1d	Operational Noise Performance Standard
MM PAL-1a	Paleontological Worker Environmental Awareness Program
MM PAL-1b	Unanticipated Fossil Discovery
MM TRA-1	Construction Traffic Control Plan
MM TRA-3a	Repair Roadways Damaged by Construction Activities
MM TRA-3b	Gen-tie Access Road Design Approval
MM WIL-1	Expand Fire Management and Prevention Plan
SCE Applicant Proposed Measures (APMs) for SCE Calcite Facilities Only (All have been superseded by Biological Resources mitigation measures listed above)	
BIO-GEN-1	Pre-construction biological clearance surveys and monitoring
ENV-GEN-1	Worker's Environmental Awareness Training Program
BIO-AVI-1	Avian-Safe Design
BIO-HERP-1	Desert Tortoise
BIO-MAM-1	Mohave Ground Squirrel

1 With the implementation of mitigation measures identified in this EIR, most impacts would
2 be reduced to Less than Significant. However, even with implementation of these
3 measures, the Proposed Project would result in the following significant and unavoidable
4 environmental impacts that cannot be mitigated to less than significant levels. Each impact
5 is noted as a short-term (construction) impact or long-term (operational) impact.

6 Significant and Unavoidable Impacts: Stagecoach Facilities

- 7 • **Aesthetics/Light and Glare Impact ALG-2:** Creation of visual contrast due to
8 vegetation removal (long-term impact)

- 1 • **Aesthetics/Light and Glare Impact ALG-6:** Long-term presence of the Proposed
2 Project would result in landscape changes that degrade existing visual character or
3 quality (long-term impact)
- 4 • **Air Quality Impact AQ-1:** Air pollutant emissions from construction and O&M
5 (short-term construction impact from PM10)
- 6 • **Air Quality Impact AQ-3:** Exposure of sensitive receptors to substantial pollutants
7 concentrations (short-term construction impact from criteria air pollutants and toxic
8 air contaminants)
- 9 • **Cultural Resources Impact CUL-1:** The Proposed Project (gen-tie line only) could
10 cause a substantial adverse change in the significance of a historical resource
11 pursuant to State California Environmental Quality Act (CEQA) Guidelines³ section
12 15064.5 (long-term indirect effect)
- 13 • **Energy Impact EN-2:** The Stagecoach Solar Generation Plant and Gen-tie Line
14 would conflict with or obstruct a State or local plan for renewable energy or energy
15 efficiency (County’s adopted Renewable Energy and Conservation Element)
- 16 • **Land Use and Planning Impact LU-2:** The Stagecoach Solar Generation Plant
17 and Gen-tie Line would conflict with the County’s adopted Renewable Energy and
18 Conservation Element
- 19 • **Public Services, Utilities, and Service System Impact PSU-1:** The County’s
20 population would not increase due to construction and operation of the Stagecoach
21 Facilities, and they would not create the need for new public service facilities.
22 However, emergency response times may be severely inhibited by construction
23 traffic (short-term impact during construction).
- 24 • **Traffic and Transportation Impact TRA-1:** Proposed Project traffic volumes, or
25 temporary road or travel lane closures, would substantially affect the circulation
26 system (short-term impact during construction)
- 27 • **Traffic and Transportation Impact TRA-4:** Proposed Project activities would affect
28 emergency vehicle response (short-term impact during construction)

29 Significant and Unavoidable Impacts: SCE Calcite Facilities

- 30 • **Aesthetics/Light and Glare Impact ALG-6:** Long-term presence of the Proposed
31 Project would result in landscape changes that degrade existing visual character or
32 quality (long-term impact)
- 33 • **Air Quality Impact AQ-1:** Air pollutant emissions from construction and O&M
34 (short-term construction impact from PM10)

³ The “State CEQA Guidelines” refers to California Code of Regulations, Title 14, Chapter 3.

- 1 • **Energy Impact EN-2:** The SCE Calcite Facilities would conflict with or obstruct a
2 State or local plan for renewable energy or energy efficiency (the County’s adopted
3 Renewable Energy and Conservation Element)
- 4 • **Land Use and Planning Impact LU-2:** The SCE Calcite Facilities would conflict
5 with the County’s adopted Renewable Energy and Conservation Element
- 6 • **Public Services, Utilities, and Service System Impact PSU-1:** (If constructed
7 concurrently with the Stagecoach Facilities) The County’s population would not
8 increase due to construction and operation of the SCE Calcite Facilities, and they
9 would not create the need for new public service facilities. However, emergency
10 response times may be severely inhibited by construction traffic (short-term impact
11 during construction).
- 12 • **Traffic and Transportation Impact TRA-1:** (If constructed concurrently with the
13 Stagecoach Facilities) Traffic volumes associated with construction of the SCE
14 Calcite Facilities would substantially affect the circulation system (short-term impact
15 during construction)
- 16 • **Traffic and Transportation Impact TRA-4:** (If constructed concurrently with the
17 Stagecoach Facilities) SCE Calcite Facilities construction activities would affect
18 emergency vehicle response (short-term impact during construction)

19 All Project-related impacts and mitigation measures are summarized in Table ES-2a
20 (Stagecoach Solar Generation Plant and Gen-tie Line) and Table ES-2b (SCE Calcite
21 Facilities) presented at the end of this section. As described in Section 7.0, *Mitigation*
22 *Monitoring Program*, CSLC staff or CSLC-contracted monitors will monitor all mitigation
23 measures during implementation of the Mitigation Monitoring Program.

24 SUMMARY OF ALTERNATIVES TO THE PROPOSED PROJECT

25 CEQA requires identification and evaluation in an EIR of a reasonable range of alternatives
26 to a Proposed Project. Pursuant to State CEQA Guidelines section 15126.6, subdivision
27 (a), an EIR need only consider a reasonable range of feasible alternatives that will foster
28 informed decision-making and public participation; therefore, while an EIR need not
29 consider every conceivable alternative, an EIR must include sufficient information about
30 each alternative to allow meaningful evaluation, analysis, and comparison with the
31 Proposed Project.

32 The range of potential alternatives considered in this EIR is limited to those that would
33 feasibly attain most of the Proposed Project objectives while avoiding or substantially
34 reducing any of the significant effects of the Proposed Project. Alternatives that were
35 considered but rejected are identified below and accompanied by brief, fact-based
36 explanations of the reasons for rejection. Among the factors that may have been used to
37 eliminate alternatives from detailed consideration, as permitted by CEQA, are: (1) a failure

1 to meet most of the Proposed Project objectives, (2) infeasibility, and (3) inability to avoid
2 significant impacts (State CEQA Guidelines, § 15126.6, subd. (c)). Alternatives carried
3 forward for analysis in this EIR are summarized below.

- 4 • **No Project Alternative:** The Applicant's request for a CSLC lease would not be
5 approved. No solar development would occur on State-owned land, and the gen-tie
6 line would not be constructed. However, the SCE Calcite Facilities could still be
7 constructed if the CPUC determines that the substation has value even in the
8 absence of the Stagecoach Facilities.
- 9 • **Joshua Tree Avoidance Alternative:** In this alternative, the Stagecoach Solar
10 Generation Plant would be reconfigured within the same State-owned land
11 boundaries to minimize loss of the western Joshua tree. The Proposed Project
12 would still generate 200 MW of electricity and the gen-tie would be unchanged. The
13 SCE Calcite Facilities would still be constructed.
- 14 • **Underground Gen-tie Alternative in County Roads:** This alternative would
15 eliminate the most severe aesthetic impacts of the proposed overhead gen-tie line
16 by installing 6 miles of the gen-tie line underground in unpaved roads, while
17 retaining 2.6 miles of the proposed overhead route. It would interconnect to either
18 the proposed or alternative (see below) SCE Calcite Facilities locations.
- 19 • **Underground Gen-tie Alternative Along Proposed Route:** This underground
20 alternative route would follow all or part of the route of the proposed overhead 220
21 kV gen-tie line. Either the entire 9.1-mile-long route could be installed underground
22 in the right-of-way (ROW) already acquired by the Applicant, or only the most visible
23 northern segment could be installed underground, leaving the southern segment
24 overhead, as proposed.
- 25 • **SCE Calcite Facilities Alternative:** An alternative location for the SCE Calcite
26 Facilities would be on an approximately 40-acre property immediately northwest of
27 the proposed substation site property. The alternative substation location would be
28 similar in design to the proposed substation but would be approximately 1,000 feet
29 northwest of the proposed site. The 220 kV lines connecting with the existing Lugo-
30 Pisgah corridor would be about 2,600 feet longer than those required for the
31 proposed site.

32 ALTERNATIVES NOT CONSIDERED FOR FULL EVALUATION

33 Several alternatives were considered but were determined to be infeasible, did not clearly
34 offer the potential to reduce significant environmental impacts, or did not achieve most of
35 the Proposed Project objectives. These alternatives were eliminated from further
36 evaluation in the EIR and include the following (refer to Section 5.3 for explanation):

- 37 • San Bernardino County Areas of Trona, El Mirage, Amboy, Hinkley, Kramer
38 Junction: Each area was evaluated for access to transmission, proximity to

1 residential areas, appropriate zoning or Bureau of Land Management (BLM) land
 2 designations, and other environmental concerns. The primary reasons for
 3 elimination are:

- 4 ○ Trona: New 30-mile transmission line is required
- 5 ○ EI Mirage: BLM land designated for off-road vehicle use would be
 6 inconsistent with solar development and availability of private land is not
 7 known
- 8 ○ Amboy: New transmission line would be required within National Monument,
 9 Congressionally designated Wilderness, or Mojave National Preserve
- 10 ○ Hinkley: BLM Development Focus Areas are too small for 200 MW of solar
 11 facilities and availability of private land is not known
- 12 ○ Kramer Junction: BLM cannot currently accept development applications due
 13 to Mohave ground squirrel protection requirements
- 14 ● BLM Land Exchange: Infeasible due to lengthy agency processes with uncertain
 15 conclusions
- 16 ● Overhead Gen-tie on BLM Land Alternative: Infeasible due to BLM land
 17 designations that prohibit new transmission rights-of-way
- 18 ● SR-247 Underground Gen-tie Alternative: Infeasible because rights would have to
 19 be obtained from Caltrans and all other landowners, which is unlikely

20 **COMPARISON OF PROPOSED PROJECT AND ALTERNATIVES AND** 21 **ENVIRONMENTALLY SUPERIOR ALTERNATIVE**

22 The State CEQA Guidelines require the consideration of a “no project” alternative and to
 23 identify, under specific criteria, an “environmentally superior” alternative. If the
 24 environmentally superior alternative is determined to be the no project alternative, the EIR
 25 must identify an environmentally superior alternative among the other alternatives (State
 26 CEQA Guidelines, § 15126.6, subd. (e)(2)). Three tables (presented at the end of this
 27 section) compare the Proposed Project impacts with those of the alternatives:

- 28 ● Table ES-3a summarizes the comparison of the impacts of the proposed
 29 Stagecoach Solar Generation Plant with two alternatives
- 30 ● Table ES-3b summarizes the comparison of the impacts of the proposed
 31 Stagecoach Gen-tie Line with three alternatives
- 32 ● Table ES-3c summarizes the comparison of the proposed SCE Calcite Facilities
 33 with two alternatives

34 For a more detailed comparison of the Proposed Project and alternatives, see Section 6.6,
 35 *Comparison of Proposed Project and Alternatives and Environmentally Superior*
 36 *Alternative*. The alternatives are evaluated at a lesser level of detail but with sufficient

1 information to allow meaningful evaluation, analysis, and comparison to the Proposed
2 Project, consistent with CEQA's requirements (State CEQA Guidelines, § 15126.6, subd.
3 (d)).

4 Based on the analysis contained within this EIR, the CSLC has determined that the No
5 Project Alternative would be environmentally superior for the solar generation plant, the
6 gen-tie line, and the SCE Calcite Facilities, as it would avoid all direct impacts on the
7 desert environment. However, the No Project Alternative would not support State goals of
8 reducing greenhouse gas emissions from power generation using fossil fuels.

9 CEQA requires that if the No Project Alternative is environmentally superior, the lead
10 agency should also define the alternative with the next best environmental preference.
11 That preference is presented in Sections ES.7.1 through ES.7.3. The comparisons of
12 alternatives for the solar generation plant, the gen-tie line, and the SCE Calcite Facilities
13 are presented separately in those sections.

14 Chapter 4 of this EIR defines a wide range of impacts, including a number of significant
15 and unavoidable impacts that cannot be avoided by the Proposed Project or the other
16 alternatives. The No Project Alternative would avoid impacts from the construction,
17 operation, maintenance, and decommissioning of the Proposed Project. However, the No
18 Project Alternative would not realize the beneficial impacts of the Proposed Project relating
19 to reduction of long-term air quality and greenhouse gas emissions through the use of
20 renewable energy generation and replacement of fossil fuel generation. The No Project
21 Alternative does not have the potential to meet any of the Project objectives.

22 Among the other alternatives for each project component, the Environmentally Superior
23 Alternatives are as follows:

- 24 • For the solar generation plant, the Joshua Tree Avoidance Alternative would have
25 reduced impacts in comparison with the Proposed Project
- 26 • For the gen-tie line, the Underground Gen-tie Alternative in County Roads would
27 have the fewest impacts overall, primarily by eliminating the most severe aesthetics
28 impacts of the gen-tie line and by using existing disturbed rights-of-way
- 29 • The SCE Calcite Facilities Alternative site is preferred over the proposed location
30 due to its somewhat less visible location

31 **Solar Generation Plant Alternatives**

32 The impacts of the solar generation plant alternatives (Proposed Project and Joshua Tree
33 Avoidance Alternative) are summarized in Table ES-3a. The identification of the
34 Environmentally Superior Alternative is difficult because each alternative presents
35 environmental trade-offs. All would result in similar impacts to air quality resulting from
36 construction vehicles and dust, but other impacts are summarized as follows:

- 1 • The **Proposed Project** would create significant impacts in aesthetics and
2 transportation/traffic. The project lease boundaries include approximately 578
3 Joshua trees, and the proposed footprint would affect over 100 acres of Joshua tree
4 woodland, resulting in the loss of approximately 398 Joshua trees. Mitigation for this
5 impact would result in permanent conservation of Joshua trees in other locations.
6 While construction noise impacts would be less than significant with recommended
7 mitigation, there are approximately 11 residences within 1,000 feet of the State
8 lease boundary.
- 9 • The **Joshua Tree Avoidance Alternative** would be within the same State-
10 managed land lease boundary but would be configured differently. This alternative
11 would create similar impacts to aesthetics, transportation/traffic, and nearby
12 residences as the Proposed Project. This design would reduce the loss of western
13 Joshua trees by about 80 percent compared with the Proposed Project (resulting in
14 a loss of approximately 160 Joshua trees, 238 fewer than the Proposed Project).
15 Impacts to nearby residences would be very similar to those of the Proposed
16 Project.

17 **Gen-tie Line Alternatives**

18 The impacts of the gen-tie line alternatives (Proposed Project, Underground Gen-tie
19 Alternative in County Roads, and Underground Gen-tie Alternative Along Proposed Route)
20 are summarized in Table ES-3b. As with the solar generation plant, each alternative
21 presents environmental trade-offs. All gen-tie alternatives would contribute to significant
22 construction traffic impacts. Most other impacts would also be similar to impacts of the
23 proposed gen-tie line, but impacts with important differences are summarized as follows:

- 24 • The **Proposed Stagecoach Gen-tie Line** would create significant and unavoidable
25 impacts to aesthetics due to the installation of a highly visible high voltage
26 transmission line in the mostly undeveloped Lucerne Valley area. The line would
27 cross SR-247 twice and would wind through low density residential areas east of
28 the highway. It would also require construction of a new 9-mile access road.
- 29 • The **Underground Gen-tie Alternative in County Roads** would eliminate 6 miles
30 of highly visible overhead transmission line between the solar generation plant and
31 the SCE Calcite Substation. It would increase construction activity and ground
32 disturbance along its route, affecting nearby residences. Impacts to biological and
33 cultural resources may be less severe than the Proposed Project because it would
34 require construction of a new access road, and this alternative would be installed
35 underground in unpaved roads, most of which have already been graded.
36 Installation cost would be much greater, and maintenance of an underground gen-
37 tie line would be more difficult due to the limited access to the buried conductors.

- 1 • The **Underground Gen-tie Alternative Along Proposed Route** would eliminate
2 either a portion, or all of the 9 miles of highly visible overhead line between the solar
3 generation plant and the SCE Calcite Substation, following the path of the
4 Applicant's private land gen-tie. Like the County roads alternative described above,
5 the alternative would have greater construction impacts to nearby residents. It
6 would require greater construction disturbance in undisturbed lands because it
7 would not be installed below existing unpaved roads. Installation cost would be
8 even greater than the Underground Gen-tie Alternative in County Roads due to the
9 additional length. Maintenance of an underground gen-tie line is more difficult due to
10 the limited access to the buried conductors.

11 **SCE Calcite Facilities Alternative**

12 The impacts of the SCE Calcite Facilities alternatives (Proposed Project, SCE Calcite
13 Facilities Alternative) are summarized in Table ES-3c. The two sites are very similar, but
14 the impact with the most notable difference is summarized as follows:

- 15 • The **Proposed SCE Calcite Substation** would be nearly adjacent to SR-247, in a
16 currently undeveloped area about 1,000 feet north of the existing Lugo-Pisgah
17 transmission corridor. The aesthetic impact of this facility would be significant and
18 unavoidable.
- 19 • The **SCE Calcite Facilities Alternative** substation site is farther from SR-247. The
20 aesthetic impact would also be significant, but, given the greater distance from the
21 highway and the backdrop of the Granite Mountains, its visual impact would be less
22 than that of the proposed site. Other impacts would be very similar to those of the
23 proposed site.

24 **KNOWN AREAS OF CONTROVERSY OR UNRESOLVED ISSUES**

25 State CEQA Guidelines section 15123, subdivision (b)(2) requires EIRs to contain a brief
26 summary of areas of known controversy including issues raised by agencies and the
27 public. The public has expressed a wide range of concerns about the proposed
28 Stagecoach Facilities and the SCE Calcite Facilities. During public scoping for the
29 Proposed Project, Agencies and the public defined the following major concerns:

- 30 • San Bernardino County's Renewable Energy and Conservation Element of the
31 General Plan (2020 County Policy Plan) would not permit this solar project if it were
32 on private land
- 33 • The Proposed Project would impact desert tortoise (*Gopherus agassizii*) and other
34 sensitive species. The undeveloped site is in a natural condition and occupied with
35 desert tortoise and other sensitive species. The Proposed Project would result in
36 loss of habitat and potentially death or injury to sensitive wildlife due to construction
37 and operation vehicles.

- 1 • The Proposed Project may block wildlife movement corridors. The Proposed Project
2 would block a portion of defined movement corridors for desert tortoise and other
3 wildlife.
- 4 • Construction of the SCE Calcite Facilities could induce other growth in the area.
5 The construction of the SCE Calcite Facilities could facilitate other future projects
6 because the cost of the substation itself would have been paid by the Stagecoach
7 developers.
- 8 • The Proposed Project would impact scenic views along SR-247, a State-Eligible
9 Scenic Highway and County-Designated Scenic Highway
- 10 • Environmental justice is a concern in this lower income community, so it should be
11 analyzed in detail
- 12 • The Apple Valley Multi-Species Habitat Conservation Plan is being prepared and
13 the Proposed Project would conflict with its goals
- 14 • Ground disturbance would result in windblown dust and soil erosion. Uncontrolled
15 dust could expose people to Valley Fever spores.
- 16 • Availability of groundwater is constrained, and the Proposed Project would require a
17 large amount of water for dust control
- 18 • Greenhouse gas emissions from the Proposed Project could result from conversion
19 of land from open space and vehicle emissions

20 Appendix C, *Index to Public Scoping Comments*, identifies concerns raised during the EIR
21 scoping period, which include potential effects to the desert environment, effects on
22 biological resources, and impacts related to environmental justice, noise, and dust.

23 ORGANIZATION OF THE EIR

24 The EIR is presented in nine sections:

- 25 • **Section 1.0 – Introduction** provides background on the Proposed Project and the
26 CEQA process
- 27 • **Section 2.0 – Project Description** describes the proposed lease area, Proposed
28 Project elements and activities, and schedule
- 29 • **Section 3.0 – Cumulative Projects** identifies the projects that are analyzed for
30 potential cumulative effects and the EIR’s approach to cumulative impact analysis
- 31 • **Section 4.0 – Environmental Impact Analysis** describes existing environmental
32 conditions, Proposed Project-specific impacts, mitigation measures, and residual
33 effects for individual environmental issue areas, and evaluates cumulative impacts

- 1 • **Section 5.0 – Project Alternatives Analysis** describes the alternatives screening
2 methodology, alternatives rejected from full consideration, and alternatives carried
3 forward for analysis and the impacts of those alternatives
- 4 • **Section 6.0 – Other Required CEQA Sections and Environmentally Superior**
5 **Alternative** addresses other required CEQA elements, including significant and
6 irreversible environmental and growth-inducing impacts, comparison of the Proposed
7 Project and alternatives, and identification of the environmentally superior alternative
- 8 • **Section 7.0 – Mitigation Monitoring Program** describes the monitoring authority,
9 enforcement and mitigation compliance responsibilities, and general monitoring
10 procedures, and presents the mitigation monitoring table
- 11 • **Section 8.0 – Environmental Justice** describes existing conditions and Project-
12 related effects related to environmental justice
- 13 • **Section 9.0 – Report Preparation Sources and References** lists the persons
14 involved in preparation of the EIR and the reference materials used

15 The following nine appendices are provided:

- 16 • **Appendix A** contains an abridged list of major federal and state laws, regulations,
17 and policies potentially applicable to the Proposed Project organized by issue area
- 18 • **Appendix B** contains the Draft EIR distribution list
- 19 • **Appendix C** includes scoping information, including a copy of the Notice of
20 Preparation (NOP), comment letters received in response to the NOP, scoping
21 hearing transcripts, and an index to where each NOP comment is addressed in the
22 Draft EIR
- 23 • **Appendix D** contains the Stagecoach Water Supply Assessment
- 24 • **Appendix E** presents the detailed description of the SCE Calcite Facilities
- 25 • **Appendix F** contains the Biological Resources Technical Report (with attachments
26 including Preliminary Jurisdictional Delineation Report, Mohave Ground Squirrel
27 Habitat Assessment, Golden Eagle Habitat Assessment, Joshua Tree inventory
28 summary memo). This appendix also includes the biological resources information
29 related to the SCE Calcite Facilities.
- 30 • **Appendix G** includes the public version of the Cultural Resources Technical Report
31 (confidential appendices are omitted)
- 32 • **Appendix H** includes the Air Quality and Greenhouse Gas Emissions Calculations
- 33 • **Appendix I** presents calculations for Noise impacts

34 Summary Tables following this page include:

- 35 • **Table ES-2a:** Summary of Impacts and Mitigation: Proposed Stagecoach Facilities

- 1 • **Table ES-2b:** Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities
- 2 • **Table ES-3a:** Summary of Impacts: Proposed Project and Alternatives – Solar
- 3 Generation Plant Only
- 4 • **Table ES-3b:** Summary of Impacts: Proposed Project and Alternatives – Gen-tie
- 5 Line Only
- 6 • **Table ES-3c:** Summary of Impacts: Proposed Project and Alternatives – SCE
- 7 Calcite Facilities Only

Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.1 AESTHETICS		
Impact ALG-1: Introduction of visually discordant construction equipment, vehicles, materials, and workforce	LTSM	MM AQ-1a: Fugitive Dust Control MM TRA-1: Construction Traffic Control Plan
Impact ALG-2: Creation of visual contrast due to vegetation removal	SU	MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1e: Revegetation
Impact ALG-3: Creation of visual contrast associated with the marking of natural features	LTSM	MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat
Impact ALG-4: Creation of visual contrast associated with fugitive dust, waste, and trash	LTSM	MM AQ-1a: Fugitive Dust Control MM BIO-3a: Protect Wildlife Resources
Impact ALG-5: Creation of new sources of substantial light or glare such as nighttime illumination	LTSM	MM ALG-5: Minimize Night Lighting at Project Facilities
Impact ALG-6 (Solar Generation Plant): Long-term presence of the Project would result in landscape changes that degrade existing visual character or quality	SU	MM ALG-6: Surface Treatment and Design of Project Structures and Buildings MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1e: Revegetation
Impact ALG-6 (Gen-tie Line): Long-term presence of the Stagecoach Gen-tie Line would result in landscape changes that degrade existing visual character or quality	SU	MM ALG-6: Surface Treatment and Design of Project Structures and Buildings

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.2 AIR QUALITY		
Impact AQ-1: Air pollutant emissions from construction and O&M	SU	MM AQ-1a: Fugitive Dust Control MM AQ-1b: Control On-Site Off-Road Equipment Emissions
Impact AQ-2: Consistency with regional air quality plans	LTSM	MM AQ-1a: Fugitive Dust Control MM AQ-1b: Control On-Site Off-Road Equipment Emissions
Impact AQ-3 (Solar Generation Plant): Exposure of sensitive receptors to substantial pollutant concentrations	SU	MM AQ-1a: Fugitive Dust Control MM AQ-1b: Control On-Site Off-Road Equipment Emissions
Impact AQ-3 (Gen-tie Line): Exposure of sensitive receptors to substantial pollutant concentrations	LTSM	MM AQ-1a: Fugitive Dust Control MM AQ-1b: Control On-Site Off-Road Equipment Emissions
Impact AQ-4: Creation of objectionable odors affecting a substantial number of people	LTS	No mitigation required

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.3 BIOLOGICAL RESOURCES		
Impact BIO-1: Substantially reduce habitat for a fish or wildlife species	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat MM HAZ-1: Hazardous Materials Training and Management Plan
Impact BIO-2 (Solar Generation Plant): Substantially affect state or federally listed threatened or endangered plants, California Rare Plant Rank 1 or 2 plants, or locally significant populations of other non-listed special-status plants by causing take of a listed species or degrading occupied habitat or designated critical habitat, or substantially reduce the number or restrict the range of a listed species	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact BIO-2 (Gen-tie Line): Substantially affect state or federally listed threatened or endangered plants, California Rare Plant Rank 1 or 2 plants, or locally significant populations of other non-listed special-status plants by causing take of a listed species or degrading occupied habitat or designated critical habitat, or substantially reduce the number or restrict the range of a listed species	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1g: Compensate for Loss of Natural Habitat

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities

Impact	Impact Class ¹	Recommended MMs
<p>Impact BIO-3 (Solar Generation Plant): Substantially affect state fully protected wildlife species, state or federally listed threatened or endangered wildlife, California Species of Special Concern, or state ranked S1, S2, or S3 special-status wildlife by causing take or degrading occupied habitat or designated critical habitat, or substantially reduce the number or restrict the range of a listed species or cause the local population to drop below self-sustaining levels</p>	<p>LTSM</p>	<p>MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO-3a: Protect Wildlife Resources MM BIO-3b: Relocate Special-status Wildlife Species MM BIO-3c: Protect Desert Tortoise MM BIO-3d: Protect Desert Kit Fox and American Badger MM BIO-3e: Avoid Effects on Burrowing Owl MM BIO-3f: Bird and Bat Protection MM BIO-3g: Implement Protective Designs for Collector Line and Gen-tie Lines MM NOI-1a: Construction Restrictions MM ALG-5: Minimize Night Lighting at Project Facilities MM TRA-1: Construction Traffic Control Plan</p>

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities

Impact	Impact Class ¹	Recommended MMs
<p>Impact BIO-3 (Gen-tie Line): Substantially affect state fully protected wildlife species, state or federally listed threatened or endangered wildlife, California Species of Special Concern, or state ranked S1, S2, or S3 special-status wildlife by causing take or degrading occupied habitat or designated critical habitat, or substantially reduce the number or restrict the range of a listed species or cause the local population to drop below self-sustaining levels</p>	<p>LTSM</p>	<p>MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO-3a: Protect Wildlife Resources MM BIO-3b: Relocate Special-status Wildlife Species MM BIO-3c: Protect Desert Tortoise MM BIO-3d: Protect Desert Kit Fox and American Badger MM BIO-3e: Avoid Effects on Burrowing Owl MM BIO-3f: Bird and Bat Protection MM BIO-3g: Implement Protective Designs for Collector Line and Gen-tie Lines MM NOI-1a: Construction Restrictions MM ALG-5: Minimize Night Lighting at Project Facilities MM TRA-1: Construction Traffic Control Plan</p>

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities

Impact	Impact Class ¹	Recommended MMs
<p>Impact BIO-4 (Solar Generation Plant): Cause take of protected nesting birds, including nestlings or eggs, through direct impacts to the nest or substantial nearby disturbance which could cause nest abandonment</p>	<p>LTSM</p>	<p>MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO-3a: Protect Wildlife Resources MM BIO-3b: Relocate Special-status Wildlife Species MM BIO-3e: Avoid Effects on Burrowing Owl MM BIO-3f: Bird and Bat Protection MM BIO-3g: Implement Protective Designs for Collector Line and Gen-tie Lines</p>

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact BIO-4 (Gen-tie Line): Cause take of protected nesting birds, including nestlings or eggs, through direct impacts to the nest or substantial nearby disturbance which could cause nest abandonment	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO-3a: Protect Wildlife Resources MM BIO-3b: Relocate Special-status Wildlife Species MM BIO-3e: Avoid Effects on Burrowing Owl MM BIO-3f: Bird and Bat Protection MM BIO-3g: Implement Protective Designs for Collector Line and Gen-tie Lines
Impact BIO-5: Create a substantial collision and electrocution risk for birds or bats	LTSM	MM BIO-3f: Bird and Bat Protection MM BIO-3g: Implement Protective Designs for Collector Line and Gen-tie Lines

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact BIO-6 (Solar Generation Plant): Remove or degrade substantial acreage of riparian vegetation or sensitive vegetation communities identified as S1, S2, or S3, such that the community could be eliminated or its structure or function in the vicinity of the project would be substantially affected	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat
Impact BIO-6 (Gen-tie Line): Remove or degrade substantial acreage of riparian vegetation or sensitive vegetation communities identified as S1, S2, or S3, such that the community could be eliminated or its structure or function in the vicinity of the project would be substantially affected	NI	No mitigation required

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact BIO-7 (Solar Generation Plant): Substantially impact jurisdictional wetlands or waters of the U.S. or waters of the state such that ecological structure or function of jurisdictional features in the vicinity of the project would be substantially affected	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO-7a: Protect Streambeds and Watersheds MM HAZ-1: Hazardous Materials Training and Management Plan

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact BIO-7 (Gen-tie Line): Substantially impact jurisdictional wetlands or waters of the U.S. or waters of the state such that ecological structure or function of jurisdictional features in the vicinity of the project would be substantially affected	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO-7a: Protect Streambeds and Watersheds MM HAZ-1: Hazardous Materials Training and Management Plan

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact BIO-8 (Solar Generation Plant): Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO-3a: Protect Wildlife Resources MM BIO-3c: Protect Desert Tortoise MM BIO-3f: Bird and Bat Protection MM BIO-3g: Implement Protective Designs for Collector Line and Gen-tie Lines

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact BIO-8 (Gen-tie Line): Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO-3a: Protect Wildlife Resources MM BIO-3c: Protect Desert Tortoise MM BIO-3f: Bird and Bat Protection MM BIO-3g: Implement Protective Designs for Collector Line and Gen-tie Lines

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact BIO-9: Conflict with local policies or ordinances protecting biological resources	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO-3a: Protect Wildlife Resources MM BIO-3c: Protect Desert Tortoise MM BIO-3f: Bird and Bat Protection MM BIO-3g: Implement Protective Designs for Collector Line and Gen-tie Lines MM BIO-7a: Protect Streambeds and Watersheds
Impact BIO-10: Conflict with provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan	NI	No mitigation required

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.4 CULTURAL RESOURCES		
Impact CUL-1 (Solar Generation Plant): The Project could cause a substantial adverse change in the significance of a historical resource pursuant to State CEQA Guidelines, section 15064.5	LTSM	MM CUL-1a: Retain a Cultural Resources Specialist MM CUL-1b: Prepare and Implement a Cultural Resources Monitoring Plan MM CUL-1c: Develop and Implement Cultural Resources Environmental Awareness Training MM CUL-1d: Archaeological Monitoring MM CUL-1e: Unanticipated Discovery MM CUL-1f: Monitoring Report MM TCR-1a: Tribal Monitoring MM TCR-1b: Treatment of Cultural Resources
Impact CUL-1 (Gen-tie Line): The Project could cause a substantial adverse change in the significance of a historical resource pursuant to State CEQA Guidelines, section 15064.5	SU	MM CUL-1a: Retain a Cultural Resources Specialist MM CUL-1b: Prepare and Implement a Cultural Resources Monitoring Plan MM CUL-1c: Develop and Implement Cultural Resources Environmental Awareness Training MM CUL-1d: Archaeological Monitoring MM CUL-1e: Unanticipated Discovery MM CUL-1f: Monitoring Report MM TCR-1a: Tribal Monitoring MM TCR-1b: Treatment of Cultural Resources

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact CUL-2: The Project could cause a substantial adverse change in the significance of a unique archaeological resource pursuant to State CEQA Guidelines, section 15064.5	LTSM	MM CUL-1a: Retain a Cultural Resources Specialist MM CUL-1b: Prepare and Implement a Cultural Resources Monitoring Plan MM CUL-1c: Develop and Implement Cultural Resources Environmental Awareness Training MM CUL-1d: Archaeological Monitoring MM CUL-1e: Unanticipated Discovery MM CUL-1f: Monitoring Report MM TCR-1a: Tribal Monitoring MM TCR-1b: Treatment of Cultural Resources
Impact CUL-3: The Project could disturb human remains, including those interred outside of formal cemeteries	LTSM	MM CUL-3: Treatment of Human Remains

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.5 CULTURAL RESOURCES – TRIBAL		
Impact TCR-1 (Solar Generation Plant): Change the Significance of a Tribal Cultural Resource, as defined in Public Resources Code section 21074, that is either eligible for or listed in the California Register of Historic Resources or in a local register or is determined by the lead agency to be significant	LTSM	MM TCR-1a: Tribal Monitoring MM TCR-1b: Treatment of Cultural Resources MM CUL-1a: Retain a Cultural Resources Specialist MM CUL-1b: Prepare and Implement a Cultural Resources Monitoring Plan MM CUL-1c: Develop and Implement Cultural Resources Environmental Awareness Training MM CUL-1d: Archaeological Monitoring MM CUL-1e: Unanticipated Discovery MM CUL-1f: Monitoring Report MM CUL-3: Treatment of Human Remains

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact TCR-1 (Gen-tie Line): Change the Significance of a Tribal Cultural Resource, as defined in Public Resources Code section 21074, that is either eligible for or listed in the California Register of Historic Resources or in a local register or is determined by the lead agency to be significant	LTSM	MM TCR-1a: Tribal Monitoring MM TCR-1b: Treatment of Tribal Cultural Resources MM CUL-1a: Retain a Cultural Resources Specialist MM CUL-1b: Prepare and Implement a Cultural Resources Monitoring Plan MM CUL-1c: Develop and Implement Cultural Resources Environmental Awareness Training MM CUL-1d: Archaeological Monitoring MM CUL-1e: Unanticipated Discovery MM CUL-1f: Monitoring Report MM CUL-3: Treatment of Human Remains
SECTION 4.6 ENERGY		
Impact EN-1: Wasteful, inefficient, or unnecessary consumption of energy resources during construction or operation and maintenance	LTS	Mitigation is not required but the following measures would be beneficial in improving efficiency of energy use: MM AQ-1b: Control On-Site Off-Road Equipment Emissions MM TRA-1: Construction Traffic Control Plan
Impact EN-2: Conflict with or obstruct a State or local plan for renewable energy or energy efficiency	SU	No mitigation available
SECTION 4.7 GEOLOGY AND SOILS		
Impact GEO-1: Damage or injury from fault rupture	NI	No mitigation required

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact GEO-2: Strong earthquake-induced ground shaking could result in damage to project structures and/or injury to people	LTS	No mitigation required
Impact GEO-3: Project structures could be damaged by seismically induced liquefaction phenomena	LTS	No mitigation required
Impact GEO-4: Seismically induced landslides or slope failures could damage project structures or expose workers to injury	LTS	No mitigation required
Impact GEO-5: Construction and operation of the Project could trigger or accelerate soil erosion	LTSM	MM GEO-5: Prepare Desert Pavement Assessment. MM AQ-1a: Fugitive Dust Control MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1e: Revegetation MM BIO-1g: Compensate for Loss of Natural Habitat
Impact GEO-6: Slope failures, such as landslides, could be triggered by project construction	LTS	No mitigation required
Impact GEO-7: Unsuitable soils result in damage to project structures	LTSM	MM GEO-7: Assess Unsuitable Soils
Impact GEO-8: Soils could be incapable of supporting a Septic System	LTS	No mitigation required
SECTION 4.8 GREENHOUSE GAS EMISSIONS		
Impact GHG-1: GHG emissions from project activities	LTS	No mitigation required

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact GHG-2: Consistency with applicable GHG plan, policy, or regulation	NI	No mitigation required
SECTION 4.9 HAZARDS AND HAZARDOUS MATERIALS		
Impact HAZ-1: Spill or release of hazardous materials occurs during construction, operation, or maintenance of the Project	LTSM	MM HAZ-1: Hazardous Materials Training and Management Plan
Impact HAZ-2: Encountering unexploded ordnance or military munitions and explosives of concern (UXO or MEC)	LTSM	MM HAZ-2: Unexploded Ordnance (UXO) Identification, Training, and Reporting Plan
Impact HAZ-3: Unknown environmental contamination could be encountered during construction	LTSM	MM HAZ-3a: Aerially Deposited Lead Testing Program MM HAZ-3b: Soil and Groundwater Management Plan
Impact HAZ-4: Valley fever spores could be mobilized	LTSM	MM AQ-1a: Fugitive Dust Control
Impact HAZ-5 (Gen-tie Line): Gen-tie Line could cause interference with radio, television, communications, or electronic equipment	LTSM	MM HAZ-5a: Limit the Conductor Surface gradient MM HAZ-5b: Document and Resolve Electronic Interference Complaints MM HAZ-5c: Implement Grounding Measures
Issue HAZ-6 (Gen-tie Line): Electric and magnetic fields would be increased with presence of the Stagecoach Gen-tie Line	NI	Mitigation is not required, but the following is recommended: Best Management Practice EMF-1: Low-Cost EMF Reduction

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.10 HYDROLOGY AND WATER QUALITY		
Impact HWQ-1: The Proposed Project would violate water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality	LTSM	MM HAZ-1: Hazardous Materials Training and Management Plan
Impact HWQ-2: The Proposed Project would substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level	LTS	No mitigation required for impacts of Stagecoach Facilities. MM HWQ-2: Prepare and Implement Groundwater Monitoring and Reporting Plan (for cumulative impacts only)
Impact HWQ-3 (Solar Generation Plant): The Proposed Project would substantially alter existing drainage patterns by altering the course of a waterway or through the addition of impervious surfaces, allowing substantial erosion, siltation, increased surface runoff on- or off-site, or affecting flood flows.	LTSM	MM HWQ-3: Drainage Plan Development (not applicable to Stagecoach Gen-tie Line)
Impact HWQ-3 (Gen-tie Line): The Proposed Project would substantially alter existing drainage patterns by altering the course of a waterway or through the addition of impervious surfaces, allowing substantial erosion, siltation, increased surface runoff on- or off-site, or affecting flood flows.	LTS	No mitigation required
Impact HWQ-4 (Solar Generation Plant): The Proposed Project would be located in flood hazard zones, resulting in risk of release of pollutants due to site inundation	LTSM	MM HWQ-3: Drainage Plan Development MM HAZ-1: Hazardous Materials Training and Management Plan

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact HWQ-4 (Gen-tie Line): The Proposed Project would be located in flood hazard zones, resulting in risk of release of pollutants due to site inundation	LTSM	MM HAZ-1: Hazardous Materials Training and Management Plan
Impact HWQ-5: The Proposed Project would conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan	NI	No mitigation required
SECTION 4.11 LAND USE AND PLANNING		
Impact LU-1: The Proposed Project would physically divide an established community	LTS	No mitigation required
Impact LU-2: The Proposed Project would not cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect	SU	No mitigation available
SECTION 4.12 NOISE AND VIBRATION		
Impact NOI-1 (Solar Generation Plant): Construction and operation noise levels in excess of applicable community noise standards	LTSM	MM NOI-1a: Construction Restrictions MM NOI-1b: Public Notification Process MM NOI-1c: Noise Complaint Process MM NOI-1d: Operational Noise Performance Standard
Impact NOI-1 (Gen-tie Line): Construction and operation noise levels in excess of applicable community noise standards	LTSM	MM NOI-1a: Construction Restrictions MM NOI-1b: Public Notification Process MM NOI-1c: Noise Complaint Process
Impact NOI-2: Construction noise impacts in excess of ambient noise levels	LTSM	MM NOI-1a: Construction Restrictions MM NOI-1b: Public Notification Process MM NOI-1c: Noise Complaint Process

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
Impact NOI-3 (Solar Generation Plant): Operational noise impacts in excess of ambient noise levels	LTSM	MM NOI-1d: Operational Noise Performance Standard
Impact NOI-3 (Gen-tie Line): Operational noise impacts in excess of ambient noise levels	LTS	No mitigation required
Impact NOI-4: Vibration impacts to sensitive receptors	LTS	No mitigation required
SECTION 4.13 PALEONTOLOGICAL RESOURCES		
Impact PAL-1: The Proposed Project could destroy a unique paleontological resource or site	LTSM	MM PAL-1a: Paleontological Worker Environmental Awareness Program MM PAL-1b: Unanticipated Fossil Discovery
SECTION 4.14 POPULATION AND HOUSING		
Impact POP-1: Project construction and operation would induce substantial population growth in an area, either directly or indirectly	LTS	No mitigation required
Impact POP-2: Project construction and operation would displace substantial numbers of people or existing housing, necessitating the construction of replacement housing elsewhere	LTS	No mitigation required

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.15 PUBLIC SERVICES, UTILITIES, AND SERVICE SYSTEMS		
Impact PSU-1: Project construction and operation would result in adverse physical impacts associated with the provision of or need for new or altered governmental facilities or would inhibit maintenance of acceptable service ratios and response times for public services.	SU	MM TRA-1: Construction Traffic Control Plan
Impact PSU-2: Project construction and operation would require new or relocated utilities and service systems and/or place demands on local water, wastewater, and solid waste facilities in excess of their capacities	LTS	No mitigation required
SECTION 4.16 RECREATION		
Impact REC-1 (Solar Generation Plant): Increase the use of recreational areas such that substantial physical deterioration of the area would occur or be accelerated	LTSM	MM TRA-1: Construction Traffic Control Plan MM TRA-3a: Repair Roadways Damaged by Construction Activities
Impact REC-1 (Gen-tie Line): Increase the use of recreational areas such that substantial physical deterioration of the area would occur or be accelerated	LTS	No mitigation required
Impact REC-2 (Solar Generation Plant): Disrupt or prevent access to designated recreational areas or disturb users of recreational resources	LTSM	MM TRA-1: Construction Traffic Control Plan MM TRA-3a: Repair Roadways Damaged by Construction Activities
Impact REC-2 (Gen-tie Line): Disrupt or prevent access to designated recreational areas or disturb users of recreational resources	LTS	No mitigation required

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Table ES-2a. Summary of Impacts and Mitigation: Proposed Stagecoach Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.17 TRAFFIC AND TRANSPORTATION		
Impact TRA-1: Project traffic volumes, or temporary road or travel lane closures, would substantially affect the circulation system	SU	MM TRA-1: Construction Traffic Control Plan
Impact TRA-2: Project activities would substantially increase vehicle miles travelled	LTS	No mitigation required
Impact TRA-3 (Solar Generation Plant): Project activities or features would substantially increase roadway hazards from roadway damage or incompatible uses	LTSM	MM TRA-1: Construction Traffic Control Plan MM TRA-3a: Repair Roadways Damaged by Construction Activities
Impact TRA-3 (Gen-tie Line): Project activities or features would substantially increase roadway hazards from roadway damage or incompatible uses	LTSM	MM TRA-1: Construction Traffic Control Plan MM TRA-3b: Gen-tie Access Road Design Approval
Impact TRA-4: Project activities requiring temporary road or travel lane closures would affect emergency vehicle response.	SU	MM TRA-1: Construction Traffic Control Plan
SECTION 4.18 WILDFIRE		
Impact WIL-1: Require the installation or maintenance of infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing increased wildfire risk	LTSM	MM WIL-1: Expand Fire Management and Prevention Plan
Impact WIL-2: Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires	LTSM	MM WIL-1: Expand Fire Management and Prevention Plan MM BIO-1d: Weed Management MM BIO-1e: Revegetation

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.1 AESTHETICS		
Impact ALG-1: Introduction of visually discordant construction equipment, vehicles, materials, and workforce	LTSM	MM AQ-1a: Fugitive Dust Control MM TRA-1: Construction Traffic Control Plan
Impact ALG-2: Creation of visual contrast due to vegetation removal	NI	No mitigation required
Impact ALG-3: Creation of visual contrast associated with the marking of natural features	LTSM	MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat
Impact ALG-4: Creation of visual contrast associated with fugitive dust, waste, and trash	LTSM	MM AQ-1a: Fugitive Dust Control MM BIO-3a: Protect Wildlife Resources
Impact ALG-5: Creation of new sources of substantial light or glare such as nighttime illumination	LTSM	MM ALG-5: Minimize Night Lighting at Project Facilities
Impact ALG-6: Long-term presence of the Project would result in landscape changes that degrade existing visual character or quality	SU	MM ALG-6: Surface Treatment and Design of Project Structures and Buildings
SECTION 4.2 AIR QUALITY		
Impact AQ-1: Air pollutant emissions from construction and O&M	SU	MM AQ-1a: Fugitive Dust Control MM AQ-1b: Control On-Site Off-Road Equipment Emissions
Impact AQ-2: Consistency with regional air quality plans	LTSM	MM AQ-1a: Fugitive Dust Control MM AQ-1b: Control On-Site Off-Road Equipment Emissions

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
Impact AQ-3: Exposure of sensitive receptors to substantial pollutant concentrations	LTSM	MM AQ-1a: Fugitive Dust Control MM AQ-1b: Control On-Site Off-Road Equipment Emissions
Impact AQ-4: Creation of objectionable odors affecting a substantial number of people	LTS	No mitigation required
SECTION 4.3 BIOLOGICAL RESOURCES		
Impact BIO-1: Substantially reduce habitat for a fish or wildlife species	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat MM HAZ-1: Hazardous Materials Training and Management

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
Impact BIO-2: Substantially affect state or federally listed threatened or endangered plants, California Rare Plant Rank 1 or 2 plants, or locally significant populations of other non-listed special-status plants by causing take of a listed species or degrading occupied habitat or designated critical habitat, or substantially reduce the number or restrict the range of a listed species	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities

Impact	Impact Class ¹	Recommended MMs
<p>Impact BIO-3: Substantially affect state fully protected wildlife species, state or federally listed threatened or endangered wildlife, California Species of Special Concern, or state ranked S1, S2, or S3 special-status wildlife by causing take or degrading occupied habitat or designated critical habitat, or substantially reduce the number or restrict the range of a listed species or cause the local population to drop below self-sustaining levels</p>	<p>LTSM</p>	<p>MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO-3a: Protect Wildlife Resources MM BIO-3b: Relocate Special-status Wildlife Species MM BIO-3c: Protect Desert Tortoise MM BIO-3d: Protect Desert Kit Fox and American Badger MM BIO-3e: Avoid Effects on Burrowing Owl MM BIO-3f: Bird and Bat Protection MM BIO-3g: Implement Protective Designs for Collector Line and Gen-tie Lines MM NOI-1a: Construction Restrictions MM ALG-5: Minimize Night Lighting at Project Facilities MM TRA-1: Construction Traffic Control Plan</p>

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities

Impact	Impact Class ¹	Recommended MMs
Impact BIO-4: Cause take of protected nesting birds, including nestlings or eggs, through direct impacts to the nest or substantial nearby disturbance which could cause nest abandonment	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO 1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO-3a: Protect Wildlife Resources MM BIO-3b: Relocate Special-status Wildlife Species MM BIO-3e: Avoid Effects on Burrowing Owl MM BIO-3f: Bird and Bat Protection MM BIO-3g: Implement Protective Designs for Collector Line and Gen-tie Lines
Impact BIO-5: Create a substantial collision and electrocution risk for birds or bats	LTSM	MM BIO-3f: Bird and Bat Protection MM BIO-3g: Implement Protective Designs for Collector Line and Gen-tie Lines
Impact BIO-6: Remove or degrade substantial acreage of riparian vegetation or sensitive vegetation communities identified as S1, S2, or S3, such that the community could be eliminated or its structure or function in the vicinity of the project would be substantially affected	NI	No mitigation required

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
Impact BIO-7: Substantially impact jurisdictional wetlands or waters of the U.S. or waters of the state such that ecological structure or function of jurisdictional features in the vicinity of the project would be substantially affected	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO7-a: Protect Streambeds and Watersheds MM HAZ-1: Hazardous Materials Training and Management Plan
Impact BIO-8: Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites	LTS	No mitigation required

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
Impact BIO-9: Conflict with local policies or ordinances protecting biological resources	LTSM	MM BIO-1a: Implement Biological Monitoring MM BIO-1b: Implement Worker Environmental Awareness Training MM BIO-1c: Minimize Impact and Protect Identified Vegetation and Habitat MM BIO-1d: Weed Management MM BIO-1e: Revegetation MM BIO-1f: Protect Important Plants MM BIO-1g: Compensate for Loss of Natural Habitat MM BIO-3a: Protect Wildlife Resources MM BIO-3c: Protect Desert Tortoise MM BIO-3f: Bird and Bat Protection MM BIO-3g: Implement Protective Designs for Collector Line and Gen-tie Lines MM BIO-7a: Protect Streambeds and Watersheds
Impact BIO-10: Conflict with provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan	NI	No mitigation required

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.4 CULTURAL RESOURCES		
Impact CUL-1: The Project could cause a substantial adverse change in the significance of a historical resource pursuant to State CEQA Guidelines, section 15064.5	LTSM	MM CUL-1a: Retain a Cultural Resources Specialist MM CUL-1b: Prepare and Implement a Cultural Resources Monitoring Plan MM CUL-1c: Develop and Implement Cultural Resources Environmental Awareness Training MM CUL-1d: Archaeological Monitoring MM CUL-1e: Unanticipated Discovery MM CUL-1f: Monitoring Report MM CUL-1g: Avoidance of Environmentally Sensitive Area MM TCR-1a: Tribal Monitoring MM TCR-1b: Treatment of Tribal Cultural Resources

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
Impact CUL-2: The Project could cause a substantial adverse change in the significance of a unique archaeological resource pursuant to State CEQA Guidelines, section 15064.5	LTSM	MM CUL-1a: Retain a Cultural Resources Specialist MM CUL-1b: Prepare and Implement a Cultural Resources Monitoring Plan MM CUL-1c: Develop and Implement Cultural Resources Environmental Awareness Training MM CUL-1d: Archaeological Monitoring MM CUL-1e: Unanticipated Discovery MM CUL-1f: Monitoring Report MM TCR-1a: Tribal Monitoring MM TCR-1b: Treatment of Tribal Cultural Resources
Impact CUL-3: The Project could disturb human remains, including those interred outside of formal cemeteries	LTSM	MM CUL-3: Treatment of Human Remains

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.5 CULTURAL RESOURCES – TRIBAL		
Impact TCR-1: Change the Significance of a Tribal Cultural Resource, as defined in Public Resources Code section 21074, that is either eligible for or listed in the California Register of Historic Resources or in a local register or is determined by the lead agency to be significant	LTSM	MM TCR-1a: Tribal Monitoring MM TCR-1b: Treatment of Tribal Cultural Resources MM CUL-1a: Retain a Cultural Resources Specialist MM CUL-1b: Prepare and Implement a Cultural Resources Monitoring Plan MM CUL-1c: Develop and Implement Cultural Resources Environmental Awareness Training MM CUL-1d: Archaeological Monitoring MM CUL-1e: Unanticipated Discovery MM CUL-1f: Monitoring Report MM CUL-1g: Avoidance of Environmentally Sensitive Area MM CUL-3: Treatment of Human Remains
SECTION 4.6 ENERGY		
Impact EN-1: Wasteful, inefficient, or unnecessary consumption of energy resources during construction or operation and maintenance	LTS	Mitigation is not required but the following measures would be beneficial in improving efficiency of energy use: MM AQ-1b: Control On-Site Off-Road Equipment Emissions MM TRA-1: Construction Traffic Control Plan
Impact EN-2: Conflict with or obstruct a State or local plan for renewable energy or energy efficiency	SU	No mitigation available

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.7 GEOLOGY AND SOILS		
Impact GEO-1: Damage or injury from fault rupture	NI	No mitigation required
Impact GEO-2: Strong earthquake-induced ground shaking could result in damage to project structures and/or injury to people	LTS	No mitigation required
Impact GEO-3: Project structures could be damaged by seismically induced liquefaction phenomena	LTS	No mitigation required
Impact GEO-4: Seismically induced landslides or slope failures could damage project structures or expose workers to injury	NI	No mitigation required
Impact GEO-5: Construction and operation of the Project could trigger or accelerate soil erosion	LTSM	MM AQ-1a: Fugitive Dust Control Plan
Impact GEO-6: Slope failures, such as landslides, could be triggered by project construction	NI	No mitigation required
Impact GEO-7: Unsuitable soils result in damage to project structures	LTSM	MM GEO-7: Assess Unsuitable Soils
SECTION 4.8 GREENHOUSE GAS EMISSIONS		
Impact GHG-1: GHG emissions from project activities	LTS	No mitigation required
Impact GHG-2: Consistency with applicable GHG plan, policy, or regulation	LTS	No mitigation required

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.9 HAZARDS AND HAZARDOUS MATERIALS		
Impact HAZ-1: Spill or release of hazardous materials occurs during construction, operation, or maintenance of the project	LTSM	MM HAZ-1: Hazardous Materials Training and Management Plan
Impact HAZ-3: Unknown environmental contamination could be encountered during construction	LTSM	MM HAZ-3a: Aerially Deposited Lead Testing Program MM HAZ-3b: Soil and Groundwater Management Plan
Impact HAZ-4: Valley fever spores could be mobilized	LTSM	MM AQ-1a: Fugitive Dust Control
SECTION 4.10 HYDROLOGY AND WATER QUALITY		
Impact HWQ-1: The Proposed Project would violate water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality	LTSM	MM HAZ-1: Hazardous Materials Training and Management Plan
Impact HWQ-2: The Proposed Project would substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level	LTS	No mitigation required
Impact HWQ-3: The Proposed Project would substantially alter existing drainage patterns by altering the course of a waterway or through the addition of impervious surfaces, allowing substantial erosion, siltation, increased surface runoff on- or off-site, or affecting flood flows.	LTSM	MM HWQ-3: Drainage Plan Development

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
Impact HWQ-4: The Proposed Project would be located in flood hazard zones, resulting in risk of release of pollutants due to site inundation	LTSM	MM HWQ-3: Drainage Plan Development MM HAZ-1: Hazardous Materials Training and Management Plan
Impact HWQ-5: The Proposed Project would conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan	NI	No mitigation required
SECTION 4.11 LAND USE AND PLANNING		
Impact LU-1: The Proposed Project would physically divide an established community	LTS	No mitigation required
Impact LU-2: The Proposed Project would not cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect	SU	No mitigation available
SECTION 4.12 NOISE AND VIBRATION		
Impact NOI-1: Construction and operation noise levels in excess of applicable community noise standards	LTSM	MM NOI-1a: Construction Restrictions MM NOI-1b: Public Notification Process MM NOI-1c: Noise Complaint Process MM NOI-1d: Operational Noise Performance Standard
Impact NOI-2: Construction noise impacts in excess of ambient noise levels	LTSM	MM NOI-1a: Construction Restrictions MM NOI-1b: Public Notification Process MM NOI-1c: Noise Complaint Process
Impact NOI-3: Operational noise impacts in excess of ambient noise levels	LTSM	MM NOI-1d: Operational Noise Performance Standard
Impact NOI-4: Vibration impacts to sensitive receptors	LTS	No mitigation required

¹ Impact Class Abbreviations: **SU**: Significant and Unavoidable. **LTSM**: Less than Significant with Mitigation. **LTS**: Less than Significant. **B**: Beneficial. **NI**: No Impact.

Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.13 PALEONTOLOGICAL RESOURCES		
Impact PAL-1: The Proposed Project could destroy a unique paleontological resource or site	LTSM	MM PAL-1a: Paleontological Worker Environmental Awareness Program MM PAL-1b: Unanticipated Fossil Discovery
SECTION 4.14 POPULATION AND HOUSING		
Impact POP-1: Project construction and operation would induce substantial population growth in an area, either directly or indirectly	NI	No mitigation required
Impact POP-2: Project construction and operation would displace substantial numbers of people or existing housing, necessitating the construction of replacement housing elsewhere	NI	No mitigation required
SECTION 4.15 PUBLIC SERVICES, UTILITIES, AND SERVICE SYSTEMS		
Impact PSU-1: Project construction and operation would result in adverse physical impacts associated with the provision of or need for new or altered governmental facilities or would inhibit maintenance of acceptable service ratios and response times for public services	SU	MM TRA-1: Construction Traffic Control Plan
Impact PSU-2: Project construction and operation would require new or relocated utilities and service systems and/or place demands on local water, wastewater, and solid waste facilities in excess of their capacities	LTS	No mitigation required

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
SECTION 4.16 RECREATION		
Impact REC-1: Increase the use of recreational areas such that substantial physical deterioration of the area would occur or be accelerated	LTS	No mitigation required
Impact REC-2: Disrupt or prevent access to designated recreational areas or disturb users of recreational resources	LTS	No mitigation required
SECTION 4.17 TRAFFIC AND TRANSPORTATION		
Impact TRA-1: Project traffic volumes, or temporary road or travel lane closures, would substantially affect the circulation system	SU	MM TRA-1: Construction Traffic Control Plan
Impact TRA-2: Project activities would substantially increase vehicle miles travelled	LTS	No mitigation required
Impact TRA-3: Project activities or features would substantially increase roadway hazards from roadway damage or incompatible uses	LTSM	MM TRA-1: Construction Traffic Control Plan
Impact TRA-4: Project activities requiring temporary road or travel lane closures would affect emergency vehicle response.	SU	MM TRA-1: Construction Traffic Control Plan
SECTION 4.18 WILDFIRE		
Impact WIL-1: Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing increased wildfire risk.	LTSM	MM WIL-1: Expand Fire Management and Prevention Plan

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Table ES-2b. Summary of Impacts and Mitigation: Proposed SCE Calcite Facilities		
Impact	Impact Class¹	Recommended MMs
Impact WIL-2: Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires	LTSM	MM WIL-1: Expand Fire Management and Prevention Plan MM BIO-1d: Weed Management MM BIO-1e: Revegetation

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Table ES-3a. Comparison of Alternatives: Solar Generation Plant

Impact	Impact Class ¹		
	Proposed Project	No Project Alternative	Joshua Tree Avoidance Alternative
SECTION 4.1 AESTHETICS			
Impact ALG-1: Introduction of visually discordant construction equipment, vehicles, materials, and workforce	LTSM	NI	LTSM
Impact ALG-2: Creation of visual contrast due to vegetation removal	SU	NI	SU
Impact ALG-3: Creation of visual contrast associated with the marking of natural features	LTSM	NI	LTSM
Impact ALG-4: Creation of visual contrast associated with fugitive dust, waste, and trash	LTSM	NI	LTSM
Impact ALG-5: Creation of new sources of substantial light or glare such as nighttime illumination	LTSM	NI	LTSM
Impact ALG-6: Long-term presence of the Project would result in landscape changes that degrade existing visual character or quality	SU	NI	SU
SECTION 4.2 AIR QUALITY			
Impact AQ-1: Air pollutant emissions from construction and O&M	SU	NI	SU
Impact AQ-2: Consistency with regional air quality plans	LTSM	NI	LTSM
Impact AQ-3: Exposure of sensitive receptors to substantial pollutant concentrations	SU	NI	SU
Impact AQ-4: Creation of objectionable odors affecting a substantial number of people	LTS	NI	LTS

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Table ES-3a. Comparison of Alternatives: Solar Generation Plant

Impact	Impact Class ¹		
	Proposed Project	No Project Alternative	Joshua Tree Avoidance Alternative
SECTION 4.3 BIOLOGICAL RESOURCES			
Impact BIO-1: Substantially reduce habitat for a fish or wildlife species	LTSM	NI	LTSM
Impact BIO-2: Substantially affect state or federally listed threatened or endangered plants, California Rare Plant Rank 1 or 2 plants, or locally significant populations of other non-listed special-status plants by causing take of a listed species or degrading occupied habitat or designated critical habitat, or substantially reduce the number or restrict the range of a listed species	LTSM	NI	LTSM (Less than Proposed)
Impact BIO-3: Substantially affect state fully protected wildlife species, state or federally listed threatened or endangered wildlife, California Species of Special Concern, or state ranked S1, S2, or S3 special-status wildlife by causing take or degrading occupied habitat or designated critical habitat, or substantially reduce the number or restrict the range of a listed species or cause the local population to drop below self-sustaining levels	LTSM	NI	LTSM
Impact BIO-4: Cause take of protected nesting birds, including nestlings or eggs, through direct impacts to the nest or substantial nearby disturbance which could cause nest abandonment	LTSM	NI	LTSM
Impact BIO-5: Create a substantial collision and electrocution risk for birds or bats	LTSM	NI	LTSM

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Table ES-3a. Comparison of Alternatives: Solar Generation Plant

Impact	Impact Class ¹		
	Proposed Project	No Project Alternative	Joshua Tree Avoidance Alternative
Impact BIO-6: Remove or degrade substantial acreage of riparian vegetation or sensitive vegetation communities identified as S1, S2, or S3, such that the community could be eliminated or its structure or function in the vicinity of the project would be substantially affected	LTSM	NI	LTSM
Impact BIO-7: Substantially impact jurisdictional wetlands or waters of the U.S. or waters of the state such that ecological structure or function of jurisdictional features in the vicinity of the project would be substantially affected	LTSM	NI	LTSM
Impact BIO-8: Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites	LTSM	NI	LTSM
Impact BIO-9: Conflict with local policies or ordinances protecting biological resources	LTSM	NI	LTSM
Impact BIO-10: Conflict with provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan	NI	NI	NI
SECTION 4.4 CULTURAL RESOURCES			
Impact CUL-1: The Project could cause a substantial adverse change in the significance of a historical resource pursuant to State CEQA Guidelines, § 15064.5	LTSM	NI	LTSM

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Table ES-3a. Comparison of Alternatives: Solar Generation Plant			
Impact	Impact Class¹		
	Proposed Project	No Project Alternative	Joshua Tree Avoidance Alternative
Impact CUL-2: The Project could cause a substantial adverse change in the significance of a unique archaeological resource pursuant to State CEQA Guidelines, § 15064.5	LTSM	NI	LTSM
Impact CUL-3: The Project could disturb human remains, including those interred outside of formal cemeteries	LTSM	NI	LTSM
SECTION 4.5 CULTURAL RESOURCES – TRIBAL			
Impact TCR-1: Change the Significance of a Tribal Cultural Resource as defined in Public Resources Code section 21074, that is either eligible for or listed in the California Register of Historical Resources or in a local register or is determined by the lead agency to be significant	LTSM	NI	LTSM
SECTION 4.6 ENERGY			
Impact EN-1: Wasteful, inefficient, or unnecessary consumption of energy resources during construction or operation and maintenance	LTS	NI	LTS
Impact EN-2: Conflict with or obstruct a State or local plan for renewable energy or energy efficiency	SU	NI	SU
SECTION 4.7 GEOLOGY AND SOILS			
Impact GEO-1: Damage or injury from fault rupture	NI	NI	NI
Impact GEO-2: Strong earthquake-induced ground shaking could result in damage to project structures and/or injury to people	LTS	NI	LTS
Impact GEO-3: Project structures could be damaged by seismically induced liquefaction phenomena	LTS	NI	LTS

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Table ES-3a. Comparison of Alternatives: Solar Generation Plant

Impact	Impact Class ¹		
	Proposed Project	No Project Alternative	Joshua Tree Avoidance Alternative
Impact GEO-4: Seismically induced landslides or slope failures could damage project structures or expose workers to injury	LTS	NI	LTS
Impact GEO-5: Construction and operation of the Project could trigger or accelerate soil erosion	LTSM	NI	LTSM
Impact GEO-6: Slope failures, such as landslides, could be triggered by project construction	LTS	NI	LTS
Impact GEO-7: Unsuitable soils result in damage to project structures	LTSM	NI	LTSM
Impact GEO-8: Soils could be incapable of supporting a Septic System	LTS	NI	LTS
SECTION 4.8 GREENHOUSE GAS EMISSIONS			
Impact GHG-1: GHG emissions from project activities	LTS	NI	LTS
Impact GHG-2: Consistency with applicable GHG plan, policy, or regulation	NI	NI	NI
SECTION 4.9 HAZARDS AND HAZARDOUS MATERIALS			
Impact HAZ-1: Spill or release of hazardous materials occurs during construction, operation, or maintenance of the project	LTSM	NI	LTSM
Impact HAZ-2: Encountering unexploded ordnance or military munitions and explosives of concern (UXO or MEC)	LTSM	NI	LTSM
Impact HAZ-3: Unknown environmental contamination could be encountered during construction	LTSM	NI	LTSM
Impact HAZ-4: Valley fever spores could be mobilized	LTSM	NI	LTSM

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Table ES-3a. Comparison of Alternatives: Solar Generation Plant

Impact	Impact Class ¹		
	Proposed Project	No Project Alternative	Joshua Tree Avoidance Alternative
SECTION 4.10 HYDROLOGY AND WATER QUALITY			
Impact HWQ-1: The Proposed Project would violate water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality	LTSM	NI	LTSM
Impact HWQ-2: The Proposed Project would substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level	LTS	NI	LTS
Impact HWQ-3: The Proposed Project would substantially alter the existing drainage patterns by altering the course of a stream or waterway or through the addition of impervious surfaces, allowing substantial erosion, siltation, increased surface runoff on- or off-site, or affecting flood flows	LTSM	NI	LTSM
Impact HWQ-4: The Proposed Project would be located in flood hazard zones, resulting in risk of release of pollutants due to site inundation	LTSM	NI	LTSM
Impact HWQ-5: The Proposed Project would conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan	NI	NI	NI
SECTION 4.11 LAND USE AND PLANNING			
Impact LU-1: The Proposed Project would physically divide an established community	LTS	NI	LTS

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Table ES-3a. Comparison of Alternatives: Solar Generation Plant			
Impact	Impact Class¹		
	Proposed Project	No Project Alternative	Joshua Tree Avoidance Alternative
Impact LU-2: The Proposed Project would not cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect	SU	NI	SU
SECTION 4.12 NOISE AND VIBRATION			
Impact NOI-1: Construction and operation noise levels in excess of applicable community noise standards	LTSM	NI	LTSM
Impact NOI-2: Construction noise impacts in excess of ambient noise levels	LTSM	NI	LTSM
Impact NOI-3: Operational noise impacts in excess of ambient noise levels	LTSM	NI	LTSM
Impact NOI-4: Vibration impacts to sensitive receptors	LTS	NI	LTS
SECTION 4.13 PALEONTOLOGICAL RESOURCES			
Impact PAL-1: The Proposed Project could destroy a unique paleontological resource or sit	LTSM	NI	LTSM
SECTION 4.14 POPULATION AND HOUSING			
Impact POP-1: Project construction and operation would induce substantial population growth in an area, either directly or indirectly	LTS	NI	LTS
Impact POP-2: Project construction and operation would displace substantial numbers of people or existing housing, necessitating the construction of replacement housing elsewhere	LTS	NI	LTS

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Table ES-3a. Comparison of Alternatives: Solar Generation Plant			
Impact	Impact Class¹		
	Proposed Project	No Project Alternative	Joshua Tree Avoidance Alternative
SECTION 4.15 PUBLIC SERVICES, UTILITIES, AND SERVICE SYSTEMS			
Impact PSU-1: Project construction and operation would result in adverse physical impacts associated with the provision of or need for new or altered governmental facilities or would inhibit maintenance of acceptable service ratios and response times for public services	SU	NI	SU
Impact PSU-2: Project construction and operation would require new or relocated utilities and service systems and/or place demands on local water, wastewater, and solid waste facilities in excess of their capacities	LTS	NI	LTS
SECTION 4.16 RECREATION			
Impact REC-1: Increase the use of recreational areas such that substantial physical deterioration of the area would occur or be accelerated	LTSM	NI	LTSM
Impact REC-2: Disrupt or prevent access to designated recreational areas or disturb users of recreational resources	LTSM	NI	LTSM
SECTION 4.17 TRAFFIC AND TRANSPORTATION			
Impact TRA-1: Project traffic volumes, or temporary road or travel lane closures, would substantially affect the circulation system	SU	NI	SU
Impact TRA-2: Project activities would substantially increase vehicle miles travelled	LTS	NI	LTS

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Table ES-3a. Comparison of Alternatives: Solar Generation Plant			
Impact	Impact Class¹		
	Proposed Project	No Project Alternative	Joshua Tree Avoidance Alternative
Impact TRA-3: Project activities or features would substantially increase roadway hazards from roadway damage or incompatible uses	LTSM	NI	LTSM
Impact TRA-4: Project activities would affect emergency vehicle response	SU	NI	SU
SECTION 4.18 WILDFIRE			
Impact WIL-1: Require the installation or maintenance of infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing increased wildfire risk	LTSM	NI	LTSM
Impact WIL-2: Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires	LTSM	NI	LTSM

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Table ES-3b. Comparison of Alternatives: Gen-tie Line				
Impact	Impact Class¹			
	Proposed Gen-tie Line	No Project Alternative	Under-ground Alternative in County Roads	Under-ground Alternative Along Proposed ROW
SECTION 4.1 AESTHETICS				
Impact ALG-1: Introduction of visually discordant construction equipment, vehicles, materials, and workforce	LTSM	NI	LTSM	LTSM
Impact ALG-2: Creation of visual contrast due to vegetation removal	SU	NI	SU	SU
Impact ALG-3: Creation of visual contrast associated with the marking of natural features	LTSM	NI	LTSM	LTSM
Impact ALG-4: Creation of visual contrast associated with fugitive dust, waste, and trash	LTSM	NI	LTSM	LTSM
Impact ALG-5: Creation of new sources of substantial light or glare such as nighttime illumination	LTSM	NI	LTSM	LTSM
Impact ALG-6: Long-term presence of the Project would result in landscape changes that degrade existing visual character or quality	SU	NI	SU (Less than Proposed)	SU (Less than Proposed)
SECTION 4.2 AIR QUALITY				
Impact AQ-1: Air pollutant emissions from construction and O&M	SU	NI	SU (More than Proposed)	SU (More than Proposed)
Impact AQ-2: Consistency with regional air quality plans	LTSM	NI	LTSM	LTSM
Impact AQ-3: Exposure of sensitive receptors to substantial pollutant concentrations	LTSM	NI	LTSM	LTSM

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Table ES-3b. Comparison of Alternatives: Gen-tie Line				
Impact	Impact Class¹			
	Proposed Gen-tie Line	No Project Alternative	Under-ground Alternative in County Roads	Under-ground Alternative Along Proposed ROW
Impact AQ-4: Creation of objectionable odors affecting a substantial number of people	LTS	NI	LTS	LTS
SECTION 4.3 BIOLOGICAL RESOURCES				
Impact BIO-1: Substantially reduce habitat for a fish or wildlife species	LTSM	NI	LTSM	LTSM
Impact BIO-2: Substantially affect state or federally listed threatened or endangered plants, California Rare Plant Rank 1 or 2 plants, or locally significant populations of other non-listed special-status plants by causing take of a listed species or degrading occupied habitat or designated critical habitat, or substantially reduce the number or restrict the range of a listed species	LTSM	NI	LTSM	LTSM
Impact BIO-3: Substantially affect state fully protected wildlife species, state or federally listed threatened or endangered wildlife, California Species of Special Concern, or state ranked S1, S2, or S3 special-status wildlife by causing take or degrading occupied habitat or designated critical habitat, or substantially reduce the number or restrict the range of a listed species or cause the local population to drop below self-sustaining levels	LTSM	NI	LTSM	LTSM
Impact BIO-4: Cause take of protected nesting birds, including nestlings or eggs, through direct impacts to the nest or substantial nearby disturbance which could cause nest abandonment	LTSM	NI	LTSM	LTSM

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Table ES-3b. Comparison of Alternatives: Gen-tie Line				
Impact	Impact Class¹			
	Proposed Gen-tie Line	No Project Alternative	Under-ground Alternative in County Roads	Under-ground Alternative Along Proposed ROW
Impact BIO-5: Create a substantial collision and electrocution risk for birds or bats	LTSM	NI	LTSM (Less than Proposed)	LTSM (Less than Proposed)
Impact BIO-6: Remove or degrade substantial acreage of riparian vegetation or sensitive vegetation communities identified as S1, S2, or S3, such that the community could be eliminated or its structure or function in the vicinity of the project would be substantially affected	NI	NI	NI	NI
Impact BIO-7: Substantially impact jurisdictional wetlands or waters of the U.S. or waters of the state such that ecological structure or function of jurisdictional features in the vicinity of the project would be substantially affected	LTSM	NI	LTSM	LTSM
Impact BIO-8: Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites	LTSM	NI	LTSM (Less than Proposed)	LTSM (Less than Proposed)
Impact BIO-9: Conflict with local policies or ordinances protecting biological resources	LTSM	NI	LTSM	LTSM
Impact BIO-10: Conflict with provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan	NI	NI	NI	NI

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Table ES-3b. Comparison of Alternatives: Gen-tie Line				
Impact	Impact Class¹			
	Proposed Gen-tie Line	No Project Alternative	Under-ground Alternative in County Roads	Under-ground Alternative Along Proposed ROW
SECTION 4.4 CULTURAL RESOURCES				
Impact CUL-1: The Project could cause a substantial adverse change in the significance of a historical resource pursuant to State CEQA Guidelines, § 15064.5	SU	NI	SU	SU
Impact CUL-2: The Project could cause a substantial adverse change in the significance of a unique archaeological resource pursuant to State CEQA Guidelines, § 15064.5	LTSM	NI	LTSM	LTSM
Impact CUL-3: The Project could disturb human remains, including those interred outside of formal cemeteries	LTSM	NI	LTSM	LTSM
SECTION 4.5 CULTURAL RESOURCES – TRIBAL				
Impact TCR-1: Change the Significance of a Tribal Cultural Resource, as defined in Public Resources Code section 21074, that is either eligible for or listed in the California Register of Historic Resources or in a local register or is determined by the lead agency to be significant	LTSM	NI	LTSM	LTSM
SECTION 4.6 ENERGY				
Impact EN-1: Wasteful, inefficient, or unnecessary consumption of energy resources during construction or operation and maintenance	LTS	NI	LTS	LTS
Impact EN-2: Conflict with or obstruct a State or local plan for renewable energy or energy efficiency	SU	NI	SU	SU

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Table ES-3b. Comparison of Alternatives: Gen-tie Line				
Impact	Impact Class¹			
	Proposed Gen-tie Line	No Project Alternative	Under-ground Alternative in County Roads	Under-ground Alternative Along Proposed ROW
SECTION 4.7 GEOLOGY AND SOILS				
Impact GEO-1: Damage or injury from fault rupture	NI	NI	NI	NI
Impact GEO-2: Strong earthquake-induced ground shaking could result in damage to project structures and/or injury to people	LTS	NI	LTS	LTS
Impact GEO-3: Project structures could be damaged by seismically induced liquefaction phenomena	LTS	NI	LTS	LTS
Impact GEO-4: Seismically induced landslides or slope failures could damage project structures or expose workers to injury	LTS	NI	LTS	LTS
Impact GEO-5: Construction and operation of the Project could trigger or accelerate soil erosion	LTSM	NI	LTSM	LTSM
Impact GEO-6: Slope failures, such as landslides, could be triggered by project construction	LTS	NI	LTS	LTS
Impact GEO-7: Unsuitable soils result in damage to project structures	LTSM	NI	LTSM	LTSM
SECTION 4.8 GREENHOUSE GAS EMISSIONS				
Impact GHG-1: GHG emissions from project activities	LTS	NI	LTS	LTS
Impact GHG-2: Consistency with applicable GHG plan, policy, or regulation	NI	NI	NI	NI

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Table ES-3b. Comparison of Alternatives: Gen-tie Line				
Impact	Impact Class¹			
	Proposed Gen-tie Line	No Project Alternative	Under- ground Alternative in County Roads	Under- ground Alternative Along Proposed ROW
SECTION 4.9 HAZARDS AND HAZARDOUS MATERIALS				
Impact HAZ-1: Spill or release of hazardous materials occurs during construction, operation, or maintenance of the project	LTSM	NI	LTSM	LTSM
Impact HAZ-2: Encountering unexploded ordnance or military munitions and explosives of concern (UXO or MEC)	LTSM	NI	LTSM	LTSM
Impact HAZ-3: Unknown environmental contamination could be encountered during construction	LTSM	NI	LTSM	LTSM
Impact HAZ-4: Valley fever spores could be mobilized	LTSM	NI	LTSM	LTSM
Impact HAZ-5: Gen-tie Line could cause interference with radio, television, communications, or electronic equipment	LTSM	NI	LTSM	LTSM
Issue HAZ-6: Electric and magnetic fields would be increased with presence of the Stagecoach Gen-tie Line	NI	NI	NI (Greater)	NI (Greater)
SECTION 4.10 HYDROLOGY AND WATER QUALITY				
Impact HWQ-1: The Proposed Project would violate water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality	LTSM	NI	LTSM	LTSM
Impact HWQ-2: The Proposed Project would substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level	LTS	NI	LTS	LTS

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Table ES-3b. Comparison of Alternatives: Gen-tie Line				
Impact	Impact Class¹			
	Proposed Gen-tie Line	No Project Alternative	Under-ground Alternative in County Roads	Under-ground Alternative Along Proposed ROW
Impact HWQ-3: The Proposed Project would substantially alter the existing drainage patterns by altering the course of a stream or waterway or through the addition of impervious surfaces, allowing substantial erosion, siltation, increased surface runoff on- or off-site, or affecting flood flows	LTS	NI	LTS	LTS
Impact HWQ-4: The Proposed Project would be located in flood hazard zones, resulting in risk of release of pollutants due to site inundation	LTSM	NI	LTSM	LTSM
Impact HWQ-5: The Proposed Project would conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan	NI	NI	NI	NI
SECTION 4.11 LAND USE AND PLANNING				
Impact LU-1: The Proposed Project would physically divide an established community	LTS	NI	LTS	LTS
Impact LU-2: The Proposed Project would not cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect	SU	NI	SU	SU
SECTION 4.12 NOISE AND VIBRATION				
Impact NOI-1: Construction and operation noise levels in excess of applicable community noise standards	LTSM	NI	LTSM	LTSM

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Table ES-3b. Comparison of Alternatives: Gen-tie Line				
Impact	Impact Class¹			
	Proposed Gen-tie Line	No Project Alternative	Under-ground Alternative in County Roads	Under-ground Alternative Along Proposed ROW
Impact NOI-2: Construction noise impacts in excess of ambient noise levels	LTSM	NI	LTSM	LTSM
Impact NOI-3: Operational noise impacts in excess of ambient noise levels	LTS	NI	LTS	LTS
Impact NOI-4: Vibration impacts to sensitive receptors	LTS	NI	LTS	LTS
SECTION 4.13 PALEONTOLOGICAL RESOURCES				
Impact PAL-1: The Proposed Project could destroy a unique paleontological resource or site	LTSM	NI	LTSM	LTSM
SECTION 4.14 POPULATION AND HOUSING				
Impact POP-1: Project construction and operation would induce substantial population growth in an area, either directly or indirectly	LTS	NI	LTS	LTS
Impact POP-2: Project construction and operation would displace substantial numbers of people or existing housing, necessitating the construction of replacement housing elsewhere	LTS	NI	LTS	LTS

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Table ES-3b. Comparison of Alternatives: Gen-tie Line				
Impact	Impact Class¹			
	Proposed Gen-tie Line	No Project Alternative	Under-ground Alternative in County Roads	Under-ground Alternative Along Proposed ROW
SECTION 4.15 PUBLIC SERVICES, UTILITIES, AND SERVICE SYSTEMS				
Impact PSU-1: Project construction and operation would result in adverse physical impacts associated with the provision of or need for new or altered governmental facilities or would inhibit maintenance of acceptable service ratios and response times for public services	SU	NI	SU	SU
Impact PSU-2: Project construction and operation would require new or relocated utilities and service systems and/or place demands on local water, wastewater, and solid waste facilities in excess of their capacities	LTS	NI	LTS	LTS
SECTION 4.16 RECREATION				
Impact REC-1: Increase the use of recreational areas such that substantial physical deterioration of the area would occur or be accelerated	LTS	NI	LTS	LTS
Impact REC-2: Disrupt or prevent access to designated recreational areas or disturb users of recreational resources	LTS	NI	LTS	LTS
SECTION 4.17 TRAFFIC AND TRANSPORTATION				
Impact TRA-1: Project traffic volumes, or temporary road or travel lane closures, would substantially affect the circulation system	SU	NI	SU	SU

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Table ES-3b. Comparison of Alternatives: Gen-tie Line				
Impact	Impact Class¹			
	Proposed Gen-tie Line	No Project Alternative	Under-ground Alternative in County Roads	Under-ground Alternative Along Proposed ROW
Impact TRA-2: Project activities would substantially increase vehicle miles travelled	LTS	NI	LTS	LTS
Impact TRA-3: Project activities or features would substantially increase roadway hazards from roadway damage or incompatible uses	LTSM	NI	LTSM	LTSM
Impact TRA-4: Project activities would affect emergency vehicle response	LTSM	NI	LTSM	LTSM
SECTION 4.18 WILDFIRE				
Impact WIL-1: Require the installation or maintenance of infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing increased wildfire risk	LTSM	NI	LTSM	LTSM
Impact WIL-2: Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires	LTSM	NI	LTSM	LTSM

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Table ES-3c. Comparison of Alternatives: SCE Calcite Facilities			
Impact	Impact Class¹		
	Proposed SCE Calcite Facilities	No Project Alternative	SCE Calcite Facilities Alternative
SECTION 4.1 AESTHETICS			
Impact ALG-1: Introduction of visually discordant construction equipment, vehicles, materials, and workforce	LTSM	NI	LTSM
Impact ALG-2: Creation of visual contrast due to vegetation removal	NI	NI	NI
Impact ALG-3: Creation of visual contrast associated with the marking of natural features	LTSM	NI	LTSM
Impact ALG-4: Creation of visual contrast associated with fugitive dust, waste, and trash	LTSM	NI	LTSM
Impact ALG-5: Creation of new sources of substantial light or glare such as nighttime illumination	LTSM	NI	LTSM
Impact ALG-6: Long-term presence of the Project would result in landscape changes that degrade existing visual character or quality	SU	NI	SU (Less than Proposed)
SECTION 4.2 AIR QUALITY			
Impact AQ-1: Air pollutant emissions from construction and O&M	SU	NI	SU
Impact AQ-2: Consistency with regional air quality plans	LTSM	NI	LTSM
Impact AQ-3: Exposure of sensitive receptors to substantial pollutant concentrations	LTSM	NI	LTSM
Impact AQ-4: Creation of objectionable odors affecting a substantial number of people	LTS	NI	LTS

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Table ES-3c. Comparison of Alternatives: SCE Calcite Facilities

Impact	Impact Class ¹		
	Proposed SCE Calcite Facilities	No Project Alternative	SCE Calcite Facilities Alternative
SECTION 4.3 BIOLOGICAL RESOURCES			
Impact BIO-1: Substantially reduce habitat for a fish or wildlife species	LTSM	NI	LTSM
Impact BIO-2: Substantially affect state or federally listed threatened or endangered plants, California Rare Plant Rank 1 or 2 plants, or locally significant populations of other non-listed special-status plants by causing take of a listed species or degrading occupied habitat or designated critical habitat, or substantially reduce the number or restrict the range of a listed species	LTSM	NI	LTSM
Impact BIO-3: Substantially affect state fully protected wildlife species, state or federally listed threatened or endangered wildlife, California Species of Special Concern, or state ranked S1, S2, or S3 special-status wildlife by causing take or degrading occupied habitat or designated critical habitat, or substantially reduce the number or restrict the range of a listed species or cause the local population to drop below self-sustaining levels	LTSM	NI	LTSM
Impact BIO-4: Cause take of protected nesting birds, including nestlings or eggs, through direct impacts to the nest or substantial nearby disturbance which could cause nest abandonment	LTSM	NI	LTSM
Impact BIO-5: Create a substantial collision and electrocution risk for birds or bats	LTSM	NI	LTSM

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Table ES-3c. Comparison of Alternatives: SCE Calcite Facilities

Impact	Impact Class ¹		
	Proposed SCE Calcite Facilities	No Project Alternative	SCE Calcite Facilities Alternative
Impact BIO-6: Remove or degrade substantial acreage of riparian vegetation or sensitive vegetation communities identified as S1, S2, or S3, such that the community could be eliminated or its structure or function in the vicinity of the project would be substantially affected	NI	NI	NI
Impact BIO-7: Substantially impact jurisdictional wetlands or waters of the U.S. or waters of the state such that ecological structure or function of jurisdictional features in the vicinity of the project would be substantially affected	LTSM	NI	LTSM
Impact BIO-8: Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites	LTS	NI	LTS
Impact BIO-9: Conflict with local policies or ordinances protecting biological resources	LTSM	NI	LTSM
Impact BIO-10: Conflict with provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan	NI	NI	NI
SECTION 4.4 CULTURAL RESOURCES			
Impact CUL-1: The Project could cause a substantial adverse change in the significance of a historical resource pursuant to State CEQA Guidelines, § 15064.5	LTSM	NI	LTSM

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Table ES-3c. Comparison of Alternatives: SCE Calcite Facilities			
Impact	Impact Class¹		
	Proposed SCE Calcite Facilities	No Project Alternative	SCE Calcite Facilities Alternative
Impact CUL-2: The Project could cause a substantial adverse change in the significance of a unique archaeological resource pursuant to State CEQA Guidelines, § 15064.5	LTSM	NI	LTSM
Impact CUL-3: The Project could disturb human remains, including those interred outside of formal cemeteries	LTSM	NI	LTSM
SECTION 4.5 CULTURAL RESOURCES – TRIBAL			
Impact TCR-1: Change the Significance of a Tribal Cultural Resource, as defined in Public Resources Code section 21074, that is either eligible for or listed in the California Register of Historic Resources or in a local register or is determined by the lead agency to be significant	LTSM	NI	LTSM
SECTION 4.6 ENERGY			
Impact EN-1: Wasteful, inefficient, or unnecessary consumption of energy resources during construction or operation and maintenance	LTS	NI	LTS
Impact EN-2: Conflict with or obstruct a State or local plan for renewable energy or energy efficiency	SU	NI	SU
SECTION 4.7 GEOLOGY AND SOILS			
Impact GEO-1: Damage or injury from fault rupture	NI	NI	NI
Impact GEO-2: Strong earthquake-induced ground shaking could result in damage to project structures and/or injury to people	LTS	NI	LTS
Impact GEO-3: Project structures could be damaged by seismically induced liquefaction phenomena	LTS	NI	LTS

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Table ES-3c. Comparison of Alternatives: SCE Calcite Facilities

Impact	Impact Class ¹		
	Proposed SCE Calcite Facilities	No Project Alternative	SCE Calcite Facilities Alternative
Impact GEO-4: Seismically induced landslides or slope failures could damage project structures or expose workers to injury	NI	NI	NI
Impact GEO-5: Construction and operation of the Project could trigger or accelerate soil erosion	LTSM	NI	LTSM
Impact GEO-6: Slope failures, such as landslides, could be triggered by project construction	NI	NI	NI
Impact GEO-7: Unsuitable soils result in damage to project structures	LTSM	NI	LTSM
SECTION 4.8 GREENHOUSE GAS EMISSIONS			
Impact GHG-1: GHG emissions from project activities	LTS	NI	LTS
Impact GHG-2: Consistency with applicable GHG plan, policy, or regulation	LTS	NI	LTS
SECTION 4.9 HAZARDS AND HAZARDOUS MATERIALS			
Impact HAZ-1: Spill or release of hazardous materials occurs during construction, operation, or maintenance of the project	LTSM	NI	LTSM
Impact HAZ-3: Unknown environmental contamination could be encountered during construction	LTSM	NI	LTSM
Impact HAZ-4: Valley fever spores could be mobilized	LTSM	NI	LTSM
SECTION 4.10 HYDROLOGY AND WATER QUALITY			
Impact HWQ-1: The Proposed Project would violate water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality	LTSM	NI	LTSM

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Table ES-3c. Comparison of Alternatives: SCE Calcite Facilities			
Impact	Impact Class¹		
	Proposed SCE Calcite Facilities	No Project Alternative	SCE Calcite Facilities Alternative
Impact HWQ-2: The Proposed Project would substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level	LTS	NI	LTS
Impact HWQ-3: The Proposed Project would substantially alter the existing drainage patterns by altering the course of a stream or waterway or through the addition of impervious surfaces, allowing substantial erosion, siltation, increased surface runoff on- or off-site, or affecting flood flows	LTSM	NI	LTSM
Impact HWQ-4: The Proposed Project would be located in flood hazard zones, resulting in risk of release of pollutants due to site inundation	LTSM	NI	LTSM
Impact HWQ-5: The Proposed Project would conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan	NI	NI	NI
SECTION 4.11 LAND USE AND PLANNING			
Impact LU-1: The Proposed Project would physically divide an established community	LTS	NI	LTS
Impact LU-2: The Proposed Project would not cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect	SU	NI	SU

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Impact	Impact Class¹		
	Proposed SCE Calcite Facilities	No Project Alternative	SCE Calcite Facilities Alternative
SECTION 4.12 NOISE AND VIBRATION			
Impact NOI-1: Construction and operation noise levels in excess of applicable community noise standards	LTSM	NI	LTSM
Impact NOI-2: Construction noise impacts in excess of ambient noise levels	LTSM	NI	LTSM
Impact NOI-3: Operational noise impacts in excess of ambient noise levels	LTSM	NI	LTSM
Impact NOI-4: Vibration impacts to sensitive receptors	LTS	NI	LTS
SECTION 4.13 PALEONTOLOGICAL RESOURCES			
Impact PAL-1: The Proposed Project could destroy a unique paleontological resource or site	LTSM	NI	LTSM
SECTION 4.14 POPULATION AND HOUSING			
Impact POP-1: Project construction and operation would induce substantial population growth in an area, either directly or indirectly	NI	NI	NI
Impact POP-2: Project construction and operation would displace substantial numbers of people or existing housing, necessitating the construction of replacement housing elsewhere	NI	NI	NI

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Table ES-3c. Comparison of Alternatives: SCE Calcite Facilities			
Impact	Impact Class¹		
	Proposed SCE Calcite Facilities	No Project Alternative	SCE Calcite Facilities Alternative
SECTION 4.15 PUBLIC SERVICES, UTILITIES, AND SERVICE SYSTEMS			
Impact PSU-1: Project construction and operation would result in adverse physical impacts associated with the provision of or need for new or altered governmental facilities or would inhibit maintenance of acceptable service ratios and response times for public services	SU	NI	SU
Impact PSU-2: Project construction and operation would require new or relocated utilities and service systems and/or place demands on local water, wastewater, and solid waste facilities in excess of their capacities	LTS	NI	LTS
SECTION 4.16 RECREATION			
Impact REC-1: Increase the use of recreational areas such that substantial physical deterioration of the area would occur or be accelerated	LTS	NI	LTS
Impact REC-2: Disrupt or prevent access to designated recreational areas or disturb users of recreational resources	LTS	NI	LTS
SECTION 4.17 TRAFFIC AND TRANSPORTATION			
Impact TRA-1: Project traffic volumes, or temporary road or travel lane closures, would substantially affect the circulation system	SU	NI	SU
Impact TRA-2: Project activities would substantially increase vehicle miles travelled	LTS	NI	LTS

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Table ES-3c. Comparison of Alternatives: SCE Calcite Facilities

Impact	Impact Class ¹		
	Proposed SCE Calcite Facilities	No Project Alternative	SCE Calcite Facilities Alternative
Impact TRA-3: Project activities or features would substantially increase roadway hazards from roadway damage or incompatible uses	LTSM	NI	LTSM
Impact TRA-4: Project activities would affect emergency vehicle response	SU	NI	SU
SECTION 4.18 WILDFIRE			
Impact WIL-1: Require the installation or maintenance of infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing increased wildfire risk	LTSM	NI	LTSM
Impact WIL-2: Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires	LTSM	NI	LTSM

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