

# Appendix D

## Summary of Proposed Mitigation Measures

[*Note:* This appendix cannot be made fully Section 508 compliant and therefore may not be fully accessible. For help with its data or information, please contact the Bureau of Land Management, Barstow Field Office, at 760-252-6000. Please reference the *Final Environmental Impact Statement and Proposed Amendment to the California Desert Conservation Area Plan for the Calico Solar (formerly SES Solar One) Project, San Bernardino County, California*, dated August 2010.]

***This page intentionally left blank.***

**Table D-1 Proposed Mitigation Measures, Calico Solar Project**

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
<b>Air Quality and Climate</b>			
<p>Since the project area is in nonattainment for particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>) and ozone (O<sub>3</sub>), the increase in emissions caused by project activities will cause an exceedance of National Ambient Air Quality Standards (NAAQS) for those criteria pollutants. Although the project area is in attainment for nitrogen oxides (NO<sub>x</sub>), sulfur oxides (SO<sub>x</sub>), and Volatile Organic Compounds (VOCs), these criteria pollutants are precursors to ozone and/or particulate matter and would contribute to the exceedance of NAAQS.</p>	<p>AQ-SC1: Air Quality Construction Mitigation Manager designation                      AQ-SC2: Air Quality Construction Mitigation Plan                      AQ-SC3: Construction Fugitive Dust Control documentation                      AQ-SC4: Dust Plume Response Requirement monitoring                      AQ-SC5: Diesel-Fueled Engine Control documentation                      AQ-SC6: Maintenance vehicle plan                      AQ-SC7: Operations Dust Control Plan                      AQ-SC8: Provide copies of Authority-to-Construct [ATC] and Permit-to-Operate [PTO] documents                      AQ-1 through AQ-8: Emergency Generator requirements                      AQ-9 through AQ-15: Above Ground Non-Retail Gasoline Dispensing Facility requirements                      (BLM and CEC 2010:C.1-48)</p>	<p><b>Operating and Maintenance Vehicles Measures:</b>                      All wash vehicles and other maintenance trucks would be gasoline fueled vehicles that meet California vehicle emissions standards for the model year when obtained. Propane-fuel fork lift and man lifts would be used for maintenance activities requiring such equipment. All security vehicles for site inspection would be hybrid-electric vehicles.                      Travel demand for operation and maintenance would be optimized to minimize vehicle miles traveled (VMT). Polymer based soil binders would be applied on the unpaved road to create stabilized surfaces and all vehicles would travel only on these stabilized roads to reduce particulate emissions.                      Paved and sealed roads would be cleaned with vacuum-sweeping and/or water-flushing as necessary. Van-pooling of employees from Barstow during operations would be provided.                      Stationary and mobile source emissions would be reduced: an electric fire water pump would be used instead of a diesel-fueled pump and a 5,000 gallon regular gasoline storage tank would be used and truck refueling would be kept to minimum.                      Chemical dust suppressant Soiltac™ or a product with same or better performance would be applied to all maintenance roads.                      All maintenance vehicles would be required to travel only on chemically-sealed or paved roads.                      Mirror washing maintenance would be done efficiently. Each wash vehicle would wash two SunCatchers at the</p>	<p>40 Code of Federal Regulations (CFR) Part 52, Part 60, and Part 93 General Conformity; California Health and Safety Code (HSC) 40910–40930 and 41700; California Code of Regulations (CCR) 93115; MDAQMD Rules 201, 203, 401, 402, 403, 403.2, 404, 406, 407, 409, 431, 461, 900, 1303, and 1306                      (BLM and CEC 2010:C.1-3)</p>

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
		<p>same time to reduce the amount of time wash vehicles operate, and therefore reduce their emissions.</p> <p>New gasoline fueled vehicles will be used in place of diesel vehicles to reduce ozone precursor and diesel particulate matter emissions.</p> <p>(SA/DEIS, pp. C.1-16 and C.1-26)</p> <p><b>Construction Mitigation Measures:</b></p> <p>Low-emitting gas and diesel engines meeting state and federal emissions standards (Tiers I, II and III) would be used for construction equipment, including, but not limited to catalytic converter systems and particulate filter systems.</p> <p>All vehicles would be required to shut down when idling for more than 5 minutes, or as required by ARB.</p> <p>Regular preventive maintenance would be implemented to prevent equipment engine emission increases due to inefficient fuel combustion.</p> <p>Diesel fueled motor vehicle would use low sulfur and low aromatic fuel meeting California standards.</p> <p>Review availability of alternatively fueled pickups and personnel transport buses and at a minimum use gasoline fueled vehicles.</p> <p>Chemical dust suppressant Soiltac(TM) or a product with same or better performance would be applied to all on-site unpaved roads and unpaved parking areas which would also be maintained or resealed as needed to minimize dust emissions.</p> <p>Construction grading requirements for the maintenance roads will be limited to surface scraping of topsoil.</p> <p>Water application, chemical dust suppressant or other suppressant technique would be used to control fugitive dust emissions from wind erosion of areas disturbed from construction activities (including storage piles).</p>	

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
		<p>Paved road surfaces would be vacuum-swept and/or water-flushed to remove buildup of loose material to control dust emissions from travel on the paved access road (including adjacent public streets affected by construction activities) and paved parking areas.</p> <p>All trucks hauling soil, sand, and other loose materials would be covered, or all trucks would be required to maintain at least 2 feet of freeboard.</p> <p>Traffic speed on all unpaved site areas and sealed roads would be limited to 15 miles per hour.</p> <p>Sandbags or other erosion control measures would be installed to prevent silt runoff to roadways.</p> <p>Disturbed areas would be revegetated as quickly as possible.</p> <p>Tires of all trucks would be washed off exiting construction site.</p> <p>Construction workers would be required to park in sealed laydown areas and would be transported to worksites in buses.</p> <p>Vehicles, including SunCatcher material delivery trucks, would be required to travel on paved or sealed roads only.</p> <p>All vehicles, such as material delivery trucks, would be required to travel on sealed roads only.</p> <p>(BLM and CEC 2010:C.1-23)</p> <p><b>Other Emission Control Measures:</b></p> <p>Emergency generator: ARB/EPA Tier 3 engine, compliant with the New Source Performance Standards, Subpart IIII Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, to meet Best Available Control Technology (BACT) requirements for the emergency generator engine</p> <p>Gasoline tank: 5,000 gallon regular gasoline storage</p>	

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
		tank that incorporates ARB-certified Phase I (tank filling) & Phase II (vehicle refueling) vapor recovery systems (BLM and CEC 2010:C.1-26)	
<b>Biological Resources</b>			
<p>Mojave Desert Plant Communities and Wildlife Habitat: Permanent loss and fragmentation of a total of approximately 8,230 acres of native vegetation; potential direct impacts to terrestrial wildlife by heavy equipment and grading; increased risk of road kill; increased disturbance/dust to nearby vegetation and wildlife; spread of nonnative invasive weeds.</p>	<p>BIO-1 through BIO-9: Avoidance and minimization measures BIO-10: Restoration/compensation BIO-11: Weed management BIO-17: Desert tortoise compensatory mitigation (BLM and CEC 2010:C.2-157)</p>	<p>Not applicable</p>	<p>Federal Endangered Species Act (ESA) (Title 16, United States Code [USC] 1531 et seq., and 50 CFR, part 17.1 et seq.); California Desert Conservation Area (CDCA) Plan 1980, as amended (reprinted in 1999); California Desert Protection Act of 1994; West Mojave Plan; California Environmental Quality Act (CEQA), CEQA Guidelines § 15380; California Endangered Species Act of 1984 (CESA) (Fish and Game Code, § 2050 through 2098); Significant Natural Areas (Fish and Game Code § 1930 et seq.); California Native Plant Protection Act of 1977 (Fish and Game Code § 1900 et seq.); California Desert Native Plants Act of 1981 (Food and Agricultural Code § 80001 et seq. and California Fish and Game Code § 1925 1926); San Bernardino County (SBC) General Plan: Conservation/Open Space Element of the County General Plan (2007) (BLM and CEC 2010:C.2-35)</p>
<p>Special-Status Plants: Potential loss and fragmentation of habitat, potential loss of</p>	<p>BIO-1 through BIO-9: Avoidance and minimization measures BIO-10: Restoration/compensation</p>	<p>Not applicable</p>	<p>CDCA Plan 1980, as amended; California Desert Protection Act of 1994; West Mojave Plan; 14 CCR § 670.2 and 670.5; Significant Natural</p>

<b>Impact</b>	<b>SA/DEIS Conditions of Certification [Table Note 1]</b>	<b>Other Mitigation Measures from SA/DEIS text [Table Note 1]</b>	<b>Applicable Laws and Regulations [Table Note 2]</b>
individuals or populations.	BIO-11: Weed management BIO-12: Surveys for rare plants prior to ground disturbance and avoidance of rare plants BIO-17: Desert tortoise compensatory mitigation (BLM and CEC 2010:C.2-157)		Areas (Fish and Game Code § 1930 et seq.); CEQA Guidelines § 15380; California Native Plant Protection Act of 1977 (Fish and Game Code § 1900 et seq.); California Desert Native Plants Act of 1981 (Food and Agricultural Code § 80001 et seq. and California Fish and Game Code §§ 1925–1926); SBC General Plan: Conservation/Open Space Element of the County General Plan (BLM and CEC 2010:C.2-35)
Common Wildlife: Potential mortality or disturbance during construction and operation, loss or fragmentation of habitat, displacement, disruption of movement.	BIO-1 through BIO-9: Avoidance and minimization measures BIO-17: Desert tortoise compensatory mitigation (BLM and CEC 2010:C.2-157)	Not applicable	Migratory Bird Treaty Act (MBTA) (16 USC §§ 703 through 711); CDCA Plan 1980, as amended; West Mojave Plan; Nest or Eggs (Fish and Game Code § 3503); Birds of prey (Fish and Game Code § 3503.5); Migratory Birds (Fish and Game Code § 3513) (BLM and CEC 2010:C.2-35)
Mojave Fringe-Toed Lizard: Potential mortality and disturbance, loss of habitat, and habitat fragmentation, disruption of movement corridors.	BIO-1 through BIO-9: Avoidance and minimization measures BIO-13: Specific Mojave fringe-toed lizard avoidance and minimization measures (BLM and CEC 2010:C.2-157)	Not applicable	CDCA Plan 1980, as amended; West Mojave Plan; CESA; 14 CCR §§ 670.2 and 670.5; CEQA Guidelines § 15380; SBC General Plan: Conservation/Open Space Element of the County General Plan (BLM and CEC 2010:C.2-35)
Gila Monster: Potential mortality and disturbance, loss of habitat, and habitat fragmentation, if present.	BIO-1 through BIO-9: General avoidance and minimization measures BIO-14: Specific Gila monster avoidance and minimization measures (BLM and CEC 2010:C.2-157)	Not applicable	CDCA Plan 1980, as amended; West Mojave Plan; CESA; 14 CCR § 670.2 and 670.5; CEQA Guidelines § 15380; SBC General Plan: Conservation/Open Space Element of

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
			the County General Plan (BLM and CEC 2010:C.2-35)
Desert Tortoise: Habitat loss and fragmentation, disruption of movement corridors, potential take of individuals during operation and construction; increased risk of predation from ravens and other predators; increased road kill hazard from construction and operations traffic.	BIO-1 through BIO-9: Avoidance and minimization measures BIO-15: Clearance surveys and exclusion fencing BIO-16: Relocation/Translocation Plan BIO-17: Off-site habitat acquisition of 23,417 acres BIO-18: Raven Monitoring, Management, And Control Plan (BLM and CEC 2010:C.2-157)	Not applicable	ESA; CDCA Plan 1980, as amended; West Mojave Plan; CESA; 14 CCR § 670.2 and 670.5; CEQA Guidelines § 15380; SBC General Plan: Conservation/Open Space Element of the County General Plan (BLM and CEC 2010:C.2-35)
Swainson’s Hawk: Potential loss of foraging habitat.	BIO-17: Desert tortoise compensatory mitigation (BLM and CEC 2010:C.2-157)	Not applicable	MBTA; CDCA Plan 1980, as amended; West Mojave Plan; CESA; 14 CCR §§ 670.2 and 670.5; Nest or Eggs (Fish and Game Code § 3503); Birds of prey (Fish and Game Code § 3503.5); Migratory Birds (Fish and Game Code § 3513); CEQA Guidelines § 15380; SBC General Plan: Conservation/Open Space Element of the County General Plan (BLM and CEC 2010:C.2-35)
Golden Eagle: Loss of foraging habitat; disruption of foraging activities; degradation and alteration of habitat adjacent to the project.	BIO-1 through BIO-9: General avoidance and minimization measures BIO-20: Preconstruction surveys for golden eagles and establishment of no-disturbance buffer zones around active nests BIO-21: Documentation of Eagle Act compliance	Not applicable	MBTA; Bald and Golden Eagle Protection Act (16 USC § 668); CDCA Plan 1980, as amended; West Mojave Plan; CESA; 14 CCR §§ 670.2 and 670.5; Nest or Eggs (Fish and Game Code § 3503); Birds of prey (Fish and Game Code

<b>Impact</b>	<b>SA/DEIS Conditions of Certification [Table Note 1]</b>	<b>Other Mitigation Measures from SA/DEIS text [Table Note 1]</b>	<b>Applicable Laws and Regulations [Table Note 2]</b>
	(BLM and CEC 2010:C.2-157)		§ 3503.5); Migratory Birds (Fish and Game Code § 3513); CEQA Guidelines § 15380; SBC General Plan: Conservation/Open Space Element of the County General Plan (BLM and CEC 2010:C.2-35)
Burrowing Owl: Potential loss of nest, eggs, or young; loss of breeding and foraging habitat; disturbance of nesting and foraging activities for populations on and near the project site and/or exposure to toxins in the evaporation ponds	BIO-22: Implement burrowing owl impact avoidance and mitigation measures; pre-construction surveys; detection and avoidance of active burrows and, if necessary, the acquisition of mitigation lands; and the creation of artificial burrows for displaced individuals  (BLM and CEC 2010:C.2-157)	Not applicable	MBTA; CDCA Plan 1980, as amended; West Mojave Plan; CESA; 14 CCR § 670.2 and 670.5; Nest or Eggs (Fish and Game Code § 3503); Birds of prey (Fish and Game Code § 3503.5); Migratory Birds (Fish and Game Code § 3513); CEQA Guidelines § 15380; SBC General Plan: Conservation/Open Space Element of the County General Plan (BLM and CEC 2010:C.2-35)
Other Migratory/Special-Status Birds: Loggerhead Shrike, Le Conte's Thrasher, Bendire's Thrasher: Disturbance of nesting activities; potential loss of nest, eggs, or young; loss of breeding and foraging habitat; potential mortality due to collisions with solar infrastructure and/or exposure to toxins in the evaporation ponds.	BIO-17: Off-site habitat acquisition and enhancement BIO-19: Conduct pre-construction nesting surveys, implement avoidance measures BIO-23: Monitoring bird impacts from solar technology BIO-28: Evaporation Pond Design, Monitoring, and Management Plan  (BLM and CEC 2010:C.2-157)	Not applicable	MBTA; California Desert Conservation Area Plan 1980, as amended; West Mojave Plan; Nest or Eggs (Fish and Game Code § 3503); Birds of prey (Fish and Game Code § 3503.5); Migratory Birds (Fish and Game Code § 3513); SBC General Plan: Conservation/Open Space Element of the County General Plan (BLM and CEC 2010:C.2-35)

<b>Impact</b>	<b>SA/DEIS Conditions of Certification [Table Note 1]</b>	<b>Other Mitigation Measures from SA/DEIS text [Table Note 1]</b>	<b>Applicable Laws and Regulations [Table Note 2]</b>
Bird Collisions and Electrocution: Avian species, including special-status species, could be subject to mortality due to collisions and/or electrocution on project transmission lines and collisions with SunCatchers.	BIO-8: Transmission lines and all electrical components shall be designed, installed, and maintained in accordance with the Avian Power Line Interaction Committee's (APLIC's) Suggested Practices for Avian Protection on Power Lines (APLIC 2006) and Mitigating Bird Collisions with Power Lines (APLIC 2004) BIO-23: Monitoring bird impacts from solar technology (BLM and CEC 2010:C.2-157)	Not applicable	MBTA; Migratory Birds (Fish and Game Code § 3513) (BLM and CEC 2010:C.2-35)
Nelson's Bighorn Sheep: Permanent loss of 458.5 acres of foraging habitat; disturbance from construction activities, noise, and lighting; interference with movement and behavioral modifications due to human presence.	BIO-1 through BIO-9: Avoidance and minimization measures BIO 24: Construction of artificial water source for bighorn sheep in the Cady Mountains (BLM and CEC 2010:C.2-157)	Not applicable	CDCA Plan 1980, as amended; West Mojave Plan; SBC General Plan: Conservation/Open Space Element of the County General Plan (BLM and CEC 2010:C.2-35)
American Badger and Kit Fox: Potential loss and fragmentation of habitat, loss of foraging grounds, crushing or entombing of animals during construction.	BIO-25: Conduct pre-construction surveys and implement avoidance measures (BLM and CEC 2010:C.2-157)	Not applicable	CDCA Plan 1980, as amended; West Mojave Plan; SBC General Plan: Conservation/Open Space Element of the County General Plan (BLM and CEC 2010:C.2-35)
Special-Status Bats: Potential loss and fragmentation of habitat, potential mortality and disturbance of animals	BIO-26: Avoidance and minimization measures, including pre-construction surveys, avoidance of maternity colonies, provision of substitute roosting habitat, and exclusion of bats prior to demolition of roosts	Not applicable	CDCA Plan 1980, as amended; West Mojave Plan; SBC General Plan: Conservation/Open Space Element of the County General Plan (BLM and CEC 2010:C.2-35)

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
during construction and operation. Bats may also be subject to collision with SunCatchers and/or exposure to toxins in the evaporation ponds	(BLM and CEC 2010:C.2-157)		
<b>Climate Change</b>			
None. The proposed project would create beneficial Greenhouse gas (GHG) impacts.	Not applicable—not in SA/DEIS (BLM and CEC 2010:C.1-79)	Not applicable	40 CFR Part 98, California Global Warming Solutions Act of 2006, Assembly Bill (AB) 32 (Stats. 2006; Chapter 488; HSC § 38500 et seq.); 17 CCR Subchapter 10, Article 2, § 95100 et. seq.; 20 CCR 2900 et seq.; California Public Utilities Commission (CPUC) Decision D0701039 in proceeding R0604009; (BLM and CEC 2010:C.1-64) Senate Bill (SB) 1368 (Chapter 11, Greenhouse Gases Emission Performance Standard, Article 1, § 2903 [b][1]). (BLM and CEC 2010:C.1-79)
<b>Cultural Resources and Paleontology</b>			
Cultural Resources: Significant effects on a presently unknown subset of approximately 139 known prehistoric and historical surface archaeological resources, and potential for significant effects on an unknown number of	CUL-1: Compliance with Programmatic Agreement (BLM and CEC 2010:C.3-135)	During the CEQA/NEPA environmental permitting process, cultural resources sites would likely be identified and then would be avoided by vehicles and construction activities.  Data recovery should be conducted as a recommended mitigation measure for archaeological sites that are recommended as eligible to the CRHR or NRHP and would be impacted by the project.  In the event of a site discovery during project implementation, all work would stop in the immediate	National Historic Preservation Act (NHPA) of 1966, as amended (16 USC 470[f]); 36 CFR Part 800, as amended August 5, 2004; National Environmental Policy Act (NEPA) of 1969, as amended (42 USC 4321 et seq.); Federal Land Policy and Management Act (FLPMA) of 1976 as amended (43 USC 1701 et seq.); Federal Register (FR) 44739–44738,

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
<p>buried archaeological deposits, many of which may be determined historically significant under the provisions of a proposed programmatic agreement currently under development as part of the BLM's Section 106 consultation process.</p> <p>(BLM and CEC 2010:C.3-135)</p>		<p>area in order to afford time for documentation, evaluation, and consultation between the lead federal agency, the California State Historic Preservation Officer (SHPO), and all consulting tribes if a discovery is aboriginal in origin.</p> <p>Avoidance would be the preferable mitigation measure in all instances.</p> <p>(BLM and CEC 2010:C.3-130)</p>	<p>190; Executive Order 11593 May 13, 1971 (36 FR 8921); American Indian Religious Freedom Act; 42 USC 1996; Native American Graves Protection and Repatriation Act (1990); 25 USC 3001 et seq.; CDCA Plan 1980, as amended—Cultural Resources Element Goals; CEQA of 1970, as amended: Public Resources Code (PRC) 21000 et seq. with Guidelines for implementation codified in 14 CCR Chapter 3, § 15000 et seq.; AB 4239, 1976; PRC 5097.97 and 5097.98 (b) and (e); HSC 7050.5; SBC 2007 General Plan, C. Countywide Goals and Policies of the Conservation Element; SBC 2007 Development Code (BLM and CEC 2010:C.3-13)</p>
<p>Paleontology: Potential impacts to paleontological resources that have been documented within older Quaternary alluvium which underlies the younger Quaternary alluvium of the site surface.</p>	<p>PAL-1: Paleontological Resource Specialist PAL-2: Submittal of maps and drawings PAL-3: Paleontological Resources Monitoring and Mitigation Plan [PRMMP] PAL-4: Worker Environmental Awareness Program PAL-5: PRMMP monitoring PAL-6: Ensure proper implementation of PRMMP PAL-7: Paleontological Resources Report (BLM and CEC 2010:C.4-29)</p>	<p>Not applicable</p>	<p>Antiquities Act of 1906 (16 USC 431–433); NEPA; FLPMA; Paleontological Resources Preservation Act (Public Law 111-011); PRC Chapter 1.7, 5097.5 and 30244; Warren-Alquist Act of 1974, as amended, PRC §§ 25527 and 25550.5(i); CEQA, PRC § 15000 et seq., Appendix G; Society of Vertebrate Paleontology, 1995; SBC 2007 Development Code, Chapters 82.15, 82.20 and Safety Element (BLM and CEC 2010:C.4-4)</p>

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
<b>Fire and Fuels</b>			
Reduce the amount of fuels that could potentially support fire due to the size of foot print of proposed project. Vegetation management practices onsite would also reduce potential fire opportunities.	Not applicable—not in SA/DEIS	Not applicable	American National Standards Institute (ANSI) standards; American Society for Non-Destructive Testing standards; American Society for Testing and Materials (ASTM) standards; American Society of Mechanical Engineers (ASME) standards; Environmental Protection Agency (EPA) standards; International Association of Plumbing and Mechanical Officials Codes (after January 1, 2008); Instrument Society of America (ISA) standards; National Bureau of Standards (NBS); National Electrical Code (NEC); National Fire Protection Association (NFPA) standards; 29 CFR Part 1910, Occupational Safety and Health Administration (OSHA) standards; Pipe Fabrication Institute standards; Underwriters Laboratory standards; HSC 13240-13243.6; Clean Water Act (CWA) standards (SES 2008a:R-2)
<b>Geology, Soils, and Mineral Resources</b>			
Geology and Mineral Resources: There are no known viable geologic or mineralogical resources at the proposed Calico Solar Project site.	GEN-1: Engineering Geology COCs, design, construct, and inspect in accordance with the 2007 California Building Standards Code (CBSC) (also known as Title 24, CCR) GEN-5: Resident engineer requirements CIVIL-1: Design, plan, and report submittals (BLM and CEC 2010:D.1-6, D.1-9 and D.1-13)	Not applicable	OSHA standards; 2007 CBSC; SBC regulations and ordinances; ANSI standards; ASME standards; American Welding Society (AWS) standards; ASTM standards (BLM and CEC 2010:D.1-2)

<b>Impact</b>	<b>SA/DEIS Conditions of Certification [Table Note 1]</b>	<b>Other Mitigation Measures from SA/DEIS text [Table Note 1]</b>	<b>Applicable Laws and Regulations [Table Note 2]</b>
Soils and Topography: The proposed project may cause accelerated wind or water erosion or sedimentation, exacerbate flood conditions in the vicinity of the project, and/or cause stream bed degradation or aggradation.	SOIL&WATER-1: Drainage, Erosion and Sediment Control Plan SOIL&WATER-3: Storm Water Damage Monitoring and Response Plan SOIL&WATER-7: Decommissioning Plan (BLM and CEC 2010:C.7-65)	Not applicable	23 CCR Division 3, Chapter 30; SBC General Plan and Development Code; SBC Development Code § 82.13.080, Soil Erosion and Sediment Control Plans/Permits (BLM and CEC 2010:C.7-5)
Seismic: Potential to be subject to intense levels of earthquake-related ground shaking.	Not applicable—not in SA/DEIS	The effects of strong ground shaking would need to be mitigated, to the extent practical, through structural designs required by the 2007 California Building Code (CBC) and the project geotechnical report. (BLM and CEC 2010:C.4-1)	2007 CBC; Alquist-Priolo Earthquake Fault Zoning Act, PRC 2621–2630; The Seismic Hazards Mapping Act, PRC 2690–2699 (BLM and CEC 2010:C.4-5)
<b>Grazing and Wild Horses and Burros</b>			
Change in land use of the approximately 6,400 acres of Cady Mountains rangeland allotment within the project site.  The proposed project is not located within any established BLM Herd Areas or Herd Management Areas.	Not applicable—not in SA/DEIS	Not applicable	Public Rangelands Improvement Act of 1978; Wild and Free-Roaming Horse and Burro Act (1971); CDCA Plan 1980, as amended (BLM and CEC 2010:C.8-4)
<b>Land Use</b>			
Land Use: The project site is currently undeveloped	Not applicable—not in SA/DEIS	Not applicable	FLPMA (43 CFR Part 1600 § 501); CDCA Plan 1980, as amended (BLM and CEC 2010:C.8-4)

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
and development of the proposed project is an allowed use under the Multiple-Use Class Guidelines. Therefore, the proposed project would not impact land use at the site.			
Wildlife Movement Corridors: Interference with wildlife movement across project site due to permanent exclusion fencing.	BIO 1 through BIO 9: Avoidance and minimization measures (BLM and CEC 2010:C.2-157)	Not applicable	California Desert Conservation Area Plan 1980, as amended (reprinted in 1999); West Mojave Plan; SBC General Plan: Conservation/Open Space Element of the County General Plan  (BLM and CEC 2010:C.2-35)
<b>Noise and Vibration</b>			
Increase of noise and vibration in the project area related to project construction and operation	NOISE-1: Notification of public NOISE-2: Noise complaint process NOISE-3: Noise control program NOISE-4: Noise restrictions NOISE-5: Occupational noise survey NOISE-6: Construction time restrictions (BLM and CEC 2010:C.9-20)	Not applicable	OSHA standards: 29 USC § 651 et seq.; Cal-OSHA: CCR title 8, §§ 5095–5099; SBC General Plan Noise Element; SBC Development Code, Ch. 83.01  (BLM and CEC 2010:C.9-3)
<b>Public Health and Safety and Hazardous Materials</b>			
Public Safety: No impacts	Not applicable—not in SA/DEIS	Not applicable	Clean Air Act (CAA) § 112 (42 USC 7412); HSC 25249.5 et seq. (Proposition 65); HSC 41700; PRC 25523(a); 20 CCR 1752.5, 2300–2309 and Division 2 Chapter 5, Article 1, Appendix B, Part (1); California CAA, HSC § 39650 et seq.; MDAQMD Rule 1302

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
			(BLM and CEC 2010:C.6-7)
<p>Hazardous Materials: Potential for significant impacts to the public from the use, handling, storage, or transportation of hazardous materials at the proposed project site.</p>	<p>HAZ-1: Use of hazardous materials                      HAZ-2: Hazardous Materials Business Plan, Risk Management Plan, and Spill Prevention, Control, and Countermeasure Plan                      HAZ-3: Safety Management Plan                      HAZ-4: Construction Site Security Plan                      HAZ-5: Site-specific Security Plan for the operational phase                      HAZ-6: Compliance with all applicable Federal laws and regulations                      (BLM and CEC 2010:C.5-23)</p>	<p><b>Engineering Controls</b>                      Engineering controls help prevent accidents and releases (spills) from moving off-site and impacting the community by incorporating engineering safety design criteria into the project’s design. Engineering safety features proposed by the applicant include:                      Usage of secondary containment areas surrounding each of the hazardous materials storage areas, designed to contain accidental releases during storage;                      Physical separation of stored chemicals in isolated containment areas, separated by a noncombustible partition in order to prevent the accidental mixing of incompatible materials, which may in turn cause the formation and release of toxic gases or fumes.  <b>Administrative Controls:</b>                      Administrative controls help prevent accidents and releases (spills) from moving off-site and impacting the community by establishing worker training programs and process safety management programs.                      A Worker Health and Safety Program would be prepared by the applicant and include (but not be limited to) the following elements:                      Worker training on chemical hazards, health and safety issues, and hazard communication;                      Procedures to ensure the proper use of personal protective equipment;                      Safety operating procedures for the operation and maintenance of systems that use hazardous materials;                      Fire safety and prevention; and                      Emergency response actions including facility evacuation, hazardous material spill cleanup, and</p>	<p>Superfund Amendments and Reauthorization Act of 1986 (42 USC 9601 et seq.); CAA of 1990 (42 USC 7401 et seq. as amended); CAA Section on Risk Management Plans (42 USC 112[r]); 49 CFR Parts 190, 191, 192, 172.800 and 1572, Subparts A and B; CWA (40 CFR 112); 6 CFR Part 27; HSC 25531-25543.4; 8 CCR 5189; HSC 41700; HSC 25270-25270.13; California Safe Drinking Water and Toxic Enforcement Act (Proposition 65); 2007 California Fire Code Title 24, Part 9;                      (BLM and CEC 2010:C.5-2)                      Toxic Substances Control Act of 1976, as amended (15 USC 2601 et seq.); 40 CFR Part 702-799; 40 CFR Part 117; Comprehensive Environmental Response, Compensation and Liability Act of 1980, §102b                      (BLM and CEC 2010:C.5-26)</p>

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
		fire prevention. The project owner would be required to designate an individual who would have the responsibility and authority to ensure a safe and healthful workplace. (BLM and CEC 2010:C.5-8)	
Worker Safety: Potential for impacts on the safety of workers during demolition, construction, operations, and closure and decommissioning activities	WORKER SAFETY-1: Compliance Project Manager WORKER-SAFETY-2: Project Operations and Maintenance Safety and Health Program WORKER SAFETY-3: Designation of Construction Safety Supervisor (CSS) WORKER SAFETY-4: Employment of a Safety Monitor WORKER SAFETY-5: Portable automatic external defibrillator (AED) located on site WORKER SAFETY-6: Funding agreement with SBC Fire Department WORKER SAFETY-7: Dust Control Plan (BLM and CEC 2010:C.15-29)	Not applicable	29 U.S. Code § 651 et seq. (Occupational Safety and Health Act of 1970); 29 CFR §§ 1910.1 to 1910.1500 (OSHA Regulations); 29 CFR §§ 1952.170 to 1952.175; 8 CCR all applicable sections; (Cal-OSHA regulations); Health and Safety Code §§ 25500 to 25541; Health and Safety: SBC Code Title 3, Division 1 et seq. (BLM and CEC 2010:C.15-2)
Waste Management: Generation of waste during construction and operation of the Calico Solar Project	WASTE-1: Designation of professional engineer or geologist WASTE-2: Contaminated soil WASTE-3: Construction Waste Management Plan WASTE-4: Hazardous waste generator identification number WASTE-5: Notification of impending waste management-related enforcement action WASTE-6: Reuse/recycling plan WASTE-7: Operation Waste Management Plan WASTE-8: Spills and releases documentation	Not applicable	Title 42, U.S.C, §6901 et seq. Solid Waste Disposal Act of 1965 (as amended and revised by the Resource Conservation and Recovery Act of 1976 et al.); Title 42, USC, §9601 et seq. Comprehensive Environmental Response, Compensation and Liability Act; Title 40, CFR, Subchapter I, Solid Wastes; Title 49, CFR, Parts 172 and 173. Hazardous Materials Regulations; Federal CWA, 33 USC § 1251 et seq.; Title 40 CFR § 112; California HSC, Chapter 6.5, §25100 et seq.

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
	(BLM and CEC 2010:C.14-26)		Hazardous Waste Control Act of 1972, as amended; Title 22, CCR Division 4.5. Environmental Health Standards for the Management of Hazardous Waste; HSC, Chapter 6.11 §§25404–25404.9 Unified Hazardous Waste and Hazardous Materials Management Regulatory Program (Unified Program); Title 27, CCR, Division 1, Subdivision 4, Chapter 1, §15100 et seq. Unified Hazardous Waste and Hazardous Materials Management Regulatory Program; Public Resources Code, Division 30, §40000 et seq. California Integrated Waste Management Act of 1989; Title 14, CCR, Division 7, §17200 et seq. California Integrated Waste Management Board; HSC, Division 20, Chapter 6.5, Article 11.9, §25244.12 et seq. Hazardous Waste Source Reduction and Management Review Act of 1989; Title 22, CCR, §67100.1 et seq. Hazardous Waste Source Reduction and Management Review; Title 23, CCR Division 3, Chapters 16 and 18; County of San Bernardino General Plan; SBC Countywide Integrated Waste Management Plan  (BLM and CEC 2010:C.14-2)

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
<b>Recreation</b>			
<p>None. The proposed project may indirectly impact the recreational and wilderness values of the Cady Mountains Wilderness Study Area, which is located adjacent to the northern boundary of the project site, by changing the natural and undisturbed landscape; and construction and operation activities would have the potential to degrade the qualities of solitude and unconfined wilderness and recreation in this remote area of the Mojave Desert. Numerous wilderness and recreation areas are in the vicinity of the project site, which provide alternative options for recreation and wilderness destinations. Therefore, potential indirect impacts from the proposed project would not be adverse from a land use perspective.</p> <p>(BLM and CEC 2010:C.8-10)</p>	<p>Not applicable—not in SA/DEIS</p>	<p>Not applicable</p>	<p>CDCA Plan 1980, as amended (BLM and CEC 2010:C.8-4)</p>

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
<b>Socioeconomics and Environmental Justice</b>			
<p>Construction and operation of the proposed project would not result in any disproportionate socioeconomic impacts to low-income or minority populations. Gross public benefits from the project include capital costs, construction and operation payroll, and sales tax from construction and operation spending.</p> <p>(BLM and CEC 2010:C.10-1)</p>	<p>Not applicable -not in SA/DEIS</p>	<p>Not applicable</p>	<p>Emergency Economic Stabilization Act of 2008 (P.L. 110 343) Business Solar Investment Tax Credit (IR Code); California Education Code, § 17620; California Government Code, §§ 65996–65997; California Revenue and Taxation Code § 70–74.7</p>
<b>Special Designations</b>			
<p>The northwest border of the Pisgah Area of Critical Environmental Concern (ACEC) is adjacent to the southeast boundary of the proposed project site; while no direct impacts would occur to this ACEC, indirect impacts may occur. The Ord-Rodman Desert Wildlife Management Area (DWMA) is located adjacent to the</p>	<p>Not applicable—not in SA/DEIS</p>	<p>Not applicable</p>	<p>CDCA Plan 1980, as amended; Federal Wilderness Act, 16 USC 1131-1136; Farmland Protection Policy Act, § 658.1</p> <p>(SA/DEIS, pp. C.8-4 and C.8-14)</p>

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
<p>southwest portion of the project site. Public lands within DWMAs are designated as ACECs. While no direct project impacts would occur to this ACEC, indirect impacts may occur. (SA DEIS, p. C.2-9)</p> <p>National Old Trails Road traverses the Project area of potential affect. (SA DEIS, p. C.3-41)</p> <p>No agricultural lands, or Wild and Scenic Rivers are within the project boundaries.</p>			
<p>Approximately 775 acres of the proposed project site have been designated as Land and Water Conservation Fund mitigation lands, which are to be managed as avoidance/exclusion areas for land use authorizations that could result in surface disturbing activities. Construction and operation of the proposed project would not be in compliance</p>	<p>Not applicable—not in SA/DEIS</p>	<p>Not applicable</p>	<p>BLM Interim Policy Memorandum (CA 2009 020) (SA/DEIS, pp. C.8-19)</p>

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
with the BLM Interim Policy Memorandum (CA 2009 020). (SA DEIS, p. C.8-19)			
<b>Traffic and Transportation</b>			
Need for temporary and permanent access roads, increased traffic to and from the project area, impact of glare from solar dish mirrors	TRANS-1: Parking and staging plan TRANS-2: Temporary access road TRANS-3: Permission to construct permanent road to site TRANS-4: Train safety plan TRANS-5: Traffic control plan TRANS-6: Limitations on vehicle size and weight TRANS-7: Encroachment into public rights of way TRANS-8: Restoration of All public roads, easements, and rights-of-way TRANS-9: Permits/licenses to transport hazardous materials TRANS-10: Park and ride site TRANS-11: Bus transportation to project site (BLM and CEC 2010:C.11-33)	Not applicable	14 CFR 77; 49 CFR, Subtitle B, § 171–177, § 350–399, Appendices A-G; California Vehicle Code (CVC) Division 2, Chapter 2.5, Division 6, Chapter 7, Division 13, Chapter 5, Division 14.1, Chapter 1 and 2, Division 14.8, Division 15; California Streets and Highway Code § 117, § 660–695, § 700–711, § 1450, 1460 et seq., and § 1480 et. seq.; HSC § 25160 et seq.; SBC General Plan, Circulation and Infrastructure Element, Desert Region; San Bernardino Traffic Code § 52.0125 (BLM and CEC 2010:C.11-3)
<b>Visual Resources</b>			
Degradation of the existing visual character and quality of the site and its surroundings, resulting in potentially significant impacts to motorists on Highway Interstate 40 and National Trails	VIS-1: Surface treatment of nonmirror project structures and buildings VIS-2: Temporary and permanent exterior lighting VIS-3: Setback of SunCatchers from Highway I-40 VIS-4: Screening, setback and revegetation of staging area	Not applicable	NEPA; FLPMA; CDCA Plan 1980, as amended; NHPA; State Scenic Highway Program (California Streets and Highways Code, § 260 et seq.); SBC General Plan (2007); Applicable Conservation Element Goals, Objectives, Programs (BLM and CEC 2010:C.13-33)

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
Highway/Route 66	(BLM and CEC 2010:C.13-39)		
<b>Hydrology and Water Resources</b>			
<p>The proposed project may cause accelerated wind or water erosion or sedimentation, exacerbate flood conditions in the vicinity of the project, adversely affect surface or groundwater supplies, and/or degrade surface or groundwater quality on or adjacent to the project site.</p>	<p>SOIL&amp;WATER-1: Drainage, Erosion and Sediment Control Plan                      SOIL&amp;WATER-2: Waste Discharge Requirements                      SOIL&amp;WATER-3: Storm Water Damage Monitoring and Response Plan                      SOIL&amp;WATER-4: Construction and Operations Water Use                      SOIL&amp;WATER-5: Assured Water Supply                      SOIL&amp;WATER-6; Septic System and Leach Field Requirements                      SOIL&amp;WATER-7; Decommissioning Plan                      SOIL&amp;WATER-8: Groundwater Level Monitoring and Reporting Plan                      (BLM and CEC 2010:C.7-65)</p>	<p>Not applicable</p>	<p>CWA (33 USC § 1257 et seq.); Resource Conservation and Recovery Act, 40 CFR Part 260 et seq.; California Constitution, Article X, Section 2; The Porter-Cologne Water Quality Control Act of 1967, California Water Code (CWC) § 13000 et seq.; CWC §§ 13050, 13240, 13241, 13242, 13243, 13260, and Water Quality Control Plan for the Lahontan Region (Basin Plan); 23 CCR Division 3, Chapter 30; State Water Resources Control Board (SWRCB) General Permit CAS000002; SWRCB 2003-003-DWQ; Title 22 and 23 of the CCR; SBC General Plan and Development Code; California Safe Drinking Water Act; SBC Code Title 3, Division 3, Chapter 6; SBC Title 3, Division 3, Chapter 6, Article 5; SBC Development Code § 82.13.080; SBC Municipal Stormwater Permit; SBC Ordinance Code, Title 3, Division 3, Chapter 8, Article 5; SBC Ordinance Code, Title 6, Division 3, Chapter 3; SWRCB Res. 2005 0006; Integrated Energy Policy Report (PRC, Div. 15, § 25300 et seq.); SWRCB Res. Nos. 68-16, 75-58, 88-63, 2005-0006, and 2008-0030; The California Safe Drinking Water and Toxic Enforcement Act                      (SA/DEIS, pp. C.7-4)</p>

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
<p>Temporary impacts to 356 acres of waters of the State from vegetation mowing; permanent impacts to 258 acres of waters of the State from the installation of permanent project components.</p>	<p>BIO-1 through BIO-9: Avoidance and minimization measures BIO-27: Acquisition of offsite State jurisdictional waters, the implementation of Best Management Practices to protect drainages, and nonnative vegetation removal BIO-29: Removal of engineered diversion channels upon project closure (BLM and CEC 2010:C.2-157)</p>	<p>Not applicable</p>	<p>CWA (33 USC §§ 1251 through 1376, and CFR, part 30, § 330.5[a][26]); CDCA Plan 1980, as amended; Significant Natural Areas (Fish and Game Code § 1930 et seq.); Streambed Alteration Agreement (Fish and Game Code § 1600 et seq.); SBC General Plan: Conservation/Open Space Element of the County General Plan (County of San Bernardino 2007) (BLM and CEC 2010:C.2-35)</p>
<p><b>Other Chapters from SA/DEIS</b></p>			
<p>Transmission Line Safety and Nuisance: Aviation safety, potential for interference with radio communication, audible noise, fire hazards, hazardous shocks, nuisance shocks, electric and magnetic field exposure</p>	<p>TLSN-1: Construction of proposed transmission line according to applicable requirement's TLSN-2: Measure strengths of the electric and magnetic fields TLSN-3: Rights-of-way kept free of combustible material TLSN-4: Ensure grounding of all permanent metallic objects in right-of-way (BLM and CEC 2010:C.12-19)</p>	<p>Not applicable</p>	<p>14 CFR, Part 77; Federal Aviation Administration (FAA) Advisory Circular No. 70/7460 1G, "Proposed Construction and/or Alteration of Objects that May Affect the Navigation Space"; FAA Advisory Circular 70/460 1G, "Obstruction Marking and Lighting"; 47 CFR § 15.2524, Federal Communications Commission (FCC); CPUC General Order (GO) 52; SBC General Plan, Noise Element; SBC Noise Ordinance; CPUC GO 95; 8 CCR 2700 et seq.; National Electrical Safety Code (NESC); Institute of Electrical and Electronics Engineers (IEEE) 1119, "IEEE Guide for Fence Safety Clearances in Electric-Supply Stations"; GO 131 D, CPUC "Rules for Planning and Construction of Electric Generation Line and Substation Facilities in California";</p>

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
			CPUC Decision 93 11 013; ANSI/IEEE 644 1944 Standard Procedures for Measurement of Power Frequency Electric and Magnetic Fields from AC Power Lines; 14 CCR § 1250 1258, "Fire Prevention Standards for Electric Utilities" (BLM and CEC 2010:C.12-2)
Transmission System Engineering: Transmission of power from the two phases of the proposed Calico Solar Project to Southern California Edison's existing Pisgah Substation	TSE-1: Schedule of transmission facility design submittals, a Master Drawing List, a Master Specifications List, and a Major Equipment and Structure List TSE-2: Assignment of project engineers TSE-3: Documentation of discrepancies TSE-4: Construction plan approval by Chief Building Official (CBO) TSE-5: Design, construction, and operation of the proposed transmission facilities conform to all applicable LORS TSE-6: Notice to the California Independent System Operator (California ISO) TSE-7: Inspection of the transmission facilities during and after project construction (BLM and CEC 2010:D.5-18)	Not applicable	CPUC GO 95, Rules for Overhead Electric Line Construction; CPUC GO 128, Rules for Construction of Underground Electric Supply and Communications Systems; The National Electric Safety Code, 1999; North American Electric Reliability Corporation/Western Electricity Coordinating Council (NERC/WECC) planning standards; NERC's reliability standards for North America's electric transmission system; California ISO planning standards; California ISO/ FERC electricity tariffs (BLM and CEC 2010:D.5-2)
Facility Design: General Engineering	GEN-2: Schedule of submittals GEN-3: Fee payments GEN-4: Resident engineer GEN-6: Special Inspector GEN-7: Discrepancies GEN-8: Final approval of all completed work	Not applicable	CBC; PRC 25523(a) and (c); 20 CCR 1752(b) and (c); Warren-Alquist State Energy Resources Conservation and Development Act PRC § 25000 et seq.; CEC Siting Regulations; 20 CCR Chapter 2; CEQA; PRC 21000 et seq.; California State Planning Law, Government Code § 65302;

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
	(BLM and CEC 2010:D.1-6)		California Business and Professions Code § 7835; International Building Code (IBC) last edition Chapter 16, Chapter 18, and Appendix J (SES 2008a:O-4 to O-5) ANSI standards; ASME standards; IEEE standards; ISA standards; National Electrical Manufacturers Association (NEMA) standards; NESC standards; NFPA standards; Scientific Apparatus Makers Association standards; ASTM standards (SES 2008b:Q-2)
Facility Design: Civil Engineering	CIVIL-2: Procedures for unforeseen adverse soil or geologic conditions CIVIL-3: Inspections CIVIL-4: Approval of the final grading plans (BLM and CEC 2010:D.1-14)	Not applicable	OSHA standards; Business and Professions Code § 6704 et seq.; §§ 6730 and 6736; Vehicle Code § 35780 et seq.; Labor Code § 6500 et seq.; CalTrans, Standard Specifications; 24 CCR § 2-111 et seq.; § 3-100 et seq.; § 4-106 et seq.; § 5-102 et seq.; § 6-T8-769 et seq.; § 6-T8-3233 et seq.; § 6-T8-3270 et seq.; § 6-T8-5138 et seq.; § 6-T8-5465 et seq.; § 6-T8-5531 et seq.; and § 6-T8-5545 et seq.; IBC standards; 8 CCR, § 1500 et seq., § 2300 et seq.; and § 3200 et seq.; SBC ordinances; ASTM standards; ANSI standards; American Concrete Institute Code (ACI) standards; Concrete Reinforcing Steel Institute (CRSI) standards; AWS standards; Steel Structures Painting Council

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
			(SSPC) standards; National Association for Corrosion Engineers (NACE) standards; Uniform Plumbing Code (UPC) standards; Cal-OSHA standards; CBC standards; American Association of State Highway and Transportation Officials (AASHTO) standards; Hydraulic Institute Standards; American Water Works Association (AWWA) standards; Asphalt Institute Pacific Coast Division standards (SES 2008a:O-2)
Facility Design: Structural Engineering	STRUC-1: Submittal of proposed lateral force procedures, designs, plans and drawings STRUC-2: Report and inspection submittals STRUC-3: Final plan submittal STRUC-4: Requirements for toxic or hazardous material storage tanks and vessels (BLM and CEC 2010:D.1-16)	Not applicable	ANSI standards; ASME standards; ASTM standards; 8 CCR Chapter 4, Industrial Safety; OSHA standards; 49 CFR Part 100-199; 29 CFR Parts 180.406-409 and 178.320(a); Compressed Gas Association codes G-5 and P-1; NFPA codes standards; EPA standards; Heat Exchange Institute standards; ISA standards; NBS standards; Uniform Fire Code; Pipe Fabrication Institute standards; Underwriters Laboratory standards (SES 2008a:K-2)  Labor Code §§ 6500–6510; Business and Professional Code Chapter 7 “Professional Engineers” §§ 6700–6799; State of California Department of Transportation (CalTrans), Standard Specifications; Cal-OSHA standards; 24 CCR § 2-111 et seq.; § 3-100 et seq.; § 4-106 et seq.; § 5-102 et seq.; § 6-TS-769 et seq.;

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
			§ 6-T8-3233 et seq.; § ST8-3270 et seq.; § 6-T8-5138 et seq.; § 6-T8-5465 et seq.; § 6-T8-5531 et seq.; and § 6-T8-5545 et seq.; ACI standards; CBC standards; International Code Council standards; CRSI standards (SES 2008a:M-2)
Facility Design: Mechanical Engineering	MECH-1: Submittal of final design, specifications and calculations for each plant major piping and plumbing system  MECH-2: Submittal of code certification papers and other documents for all pressure vessels  MECH-3: Heating, ventilating, air conditioning (HVAC) and refrigeration system requirements (BLM and CEC 2010:D.1-17)	Not applicable	OSHA standards; 2007 CBSC; SBC regulations and ordinances; ANSI standards; ASME standards; AWS standards; ASTM standards (BLM and CEC 2010:D.1-2)  AWWA standards; Sheet Metal and Air Conditioning Contractors National Association standards; American Society of Heating, Refrigeration and Air Conditioning Engineers standards; NFPA standards (SES 2008a:F-2)
Facility Design: Electrical Engineering	ELEC-1: Electrical construction requirements (BLM and CEC 2010:D.1-19)	Not applicable	Anti-friction Bearing Manufacturers Association; ANSI standards; ASTM standards; Edison Electric Institute standards; Insulated Cable Engineers Association standards; IEEE standards; Illuminating Engineering Society standards; NEC standards; NEMA standards; NESC standards; NFPA standards; OSHA standards; Underwriters' Laboratories standards; NACE standards (SES 2008b:P-2)

Impact	SA/DEIS Conditions of Certification [Table Note 1]	Other Mitigation Measures from SA/DEIS text [Table Note 1]	Applicable Laws and Regulations [Table Note 2]
(Joint Agency General Conditions)	COMPLIANCE-1: Unrestricted Access COMPLIANCE-2: Compliance Record COMPLIANCE-3: Compliance Verification Submittals COMPLIANCE-4: Pre-construction CEC, BLM Matrix and Tasks Prior to Start of Construction COMPLIANCE-5: Posting of a Surety Bond COMPLIANCE-6: Compliance Matrix COMPLIANCE-7: Monthly Compliance Report COMPLIANCE-8: Annual Compliance Report COMPLIANCE-9: Confidential Information COMPLIANCE-10 : Annual Energy Facility Compliance Fee COMPLIANCE-11: Reporting of Complaints, Notices, and Citations (BLM and CEC 2010:E-20)	Not applicable	Not applicable

Table Source: BLM and CEC 2010; SES 2008a; SES 2008b.

Table General Note: When developing the Record of Decision for the proposed Calico Solar Project and CDCA Plan Amendment, the BLM may consider the SA/DEIS Conditions of Certification, additional Conditions of Certification from the Supplemental SA, and other mitigation measures developed by the BLM and other regulatory agencies.

Table Note 1: Conditions and measures listed in columns 2 and 3 of the summary table above were extracted from the SA/DEIS (BLM and CEC 2010). The SA/DEIS page-number citation is in parentheses at the end of each condition or measure listed.

Table Note 2: The applicable laws and regulations listed in column 4 of the summary table above were extracted from the SA/DEIS and/or the AFC for the SES Solar One (now known as Calico Solar) Project (SES 2008b) or the AFC SES Solar Two (now known as Imperial Valley) Project (SES 2008a). The SA/DEIS or AFC page-number citation is in parentheses at the end of each set of laws and regulations listed.

Table Key: AASHTO = American Association of State Highway and Transportation Officials; AB = assembly bill; ACECs = areas of environmental concern; ACI = American Concrete Institute Code; AED = automated external defibrillator; AFC = Application for Certification; ANSI = American National Standards Institute; APLIC = avian power line interaction committee; ARB = California Air Resource Board; ASME = American Society of Mechanical Engineers; ASTM = American Society for Testing and Materials; ATC = Authority-to-Construct; AWS = American Welding Society; AWWA = American Water Works Association; BLM = Bureau of Land Management; BRMIMP = Biological Resources Mitigation, Implementation, and Monitoring Plan; CAA = Clean Air Act; Cal-OSHA = California Occupational Safety and Health Administration; CBSC = California Building Standards Code; CBC = California Building Code; CCR = California Code of Regulations; CDCA = California Desert Conservation Area; CEC = California Energy Commission; CEQA = California Environmental Quality Act; CESA = California Endangered Species Act; CFR = Code of Federal Regulations;

CPUC = California Public Utilities Commission; CRSI = Concrete Reinforcing Steel Institute; CVC = California Vehicle Code; CWA = Clean Water Act; CWC = California Water Code; EPA = U.S. Environmental Protection Agency; ESA = Federal Endangered Species Act; FAA = Federal Aviation Administration; FCC = Federal Communication Commission; FERC = Federal Energy Regulation Commission; FLPMA = Federal Land Policy and Management Act; GHG = greenhouse gas; GO = general order; HSC = Health and Safety Code; HVAC = heating, ventilating, air conditioning; IBC = International Building Code; IEEE = Institute of Electrical and Electronics Engineers; ISA = Instrument Society of America; MBTA = Migratory Bird Treaty Act; MDAQMD = Mojave Desert Air Quality Management District; NAAQS = National Ambient Air Quality Standards; NACE = National Association for Corrosion Engineers; NBS = National Bureau of Standards; NEMA = National Electrical Manufacturers Association; NEPA = National Environmental Policy Act; NERC = North American Electric Reliability Coordinating Council; NESC = National Electrical Safety Code; NEC = National Electrical Code; NFPA = National Fire Protection Association; NHPA = National Historic Preservation Act; OSHA = Occupational Safety and Health Administration; PRC = Public Resources Code; PTO = Permit-to-Operate; SA/DEIS = staff assessment/draft environmental impact statement; SB = Senate bill; SBC = San Bernardino County; SHPO = State Historic Preservation Office; SSPC = Steel Structures Painting Council; SWRCB = State Water Resources Control Board; UPC = Uniform Plumbing Code; USC = United States Code; USFWS = U.S. Fish and Wildlife Service; WEAP = Worker Environmental Awareness Program.