

Final Environmental Impact Report
SCH No. 2023030603

Starlight Solar Project

San Diego County, California

Lead Agency

County of San Diego
Department of Planning and Land Use
5510 Overland Avenue, Suite 210
San Diego, CA 92123

Final Environmental Impact Report | May 2026

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Acronyms and Abbreviations

Acronym	Definition
°F	Degrees Fahrenheit
µg/L	micrograms per liter
µg/m ³	micrograms per cubic meter
AB	Assembly Bill
AC	alternating current
ACM	asbestos-containing material
ADI	area of direct impact
af	acre-feet
af/yr	acre-feet per year
AIA	Airport Influence Area
AJD	approved jurisdictional determination
Alquist-Priolo Act	Alquist-Priolo Earthquake Fault Zoning Act of 1972
ALUCP	Airport Land Use Compatibility Plan
amsl	above mean sea level
ANFO	ammonium nitrate mixed with fuel oil
ANSI	American National Standards Institute
A-P Zones	Earthquake Fault Zones requiring investigation
APLIC	Avian Power Line Interaction Committee
APN	Assessor's Parcel Number
Applicant	Starlight Solar LLC
AQIA	Air Quality Impact Assessment
ASTM	ASTM International
Basin Plan	<i>Water Quality Control Plan for the Colorado River Basin Region</i>
BCC	Bird of Conservation Concern
BESS	battery energy storage system
BGEPA	Bald and Golden Eagle Protection Act
Biological Resources Report	<i>Biological Resources Report for the Starlight Solar Project</i>
BLM	Bureau of Land Management
BMO	Biological Mitigation Ordinance
BMP	best management practice
Boulevard Subregional Plan	<i>Boulevard Subregional Planning Area, Mountain Empire Subregional Plan</i>
BRCA	Biological Resource Core Area
Btu	British thermal unit

Acronym	Definition
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
CAL FIRE	California Department of Forestry and Fire Protection
Cal/OSHA	California Occupational Safety and Health Administration
CalARP	California Accidental Release Prevention
CalEEMod	California Emissions Estimator Model
CalEMA	California Emergency Management Agency
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
Campo	Campo Band of Diegueño Mission Indians
CAP	Climate Action Plan
CAP Consistency Checklist	<i>2024 Climate Action Plan Consistency Review Checklist for Starlight Solar</i>
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CAT	California Action Team
CBC	California Building Code
CBP	U.S. Customs and Border Protection
CCAA	California Clean Air Act
CCR	California Code of Regulations
CDFG	California Department of Fish and Game
CDFW	California Department of Fish and Wildlife (formerly the California Department of Fish and Game)
CDPH	California Department of Public Health
CDTFA	California Department of Tax and Fee Administration
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CESA	California Endangered Species Act

Acronym	Definition
CFC	Consolidated Fire Code
CFR	Code of Federal Regulations
CGS	California Geological Survey
CH ₄	methane
CHHSL	California Human Health Screening Level
CHP	California Highway Patrol
CLUP	Comprehensive Land Use Plan
CNDDDB	California Natural Diversity Database
CNEL	community noise equivalent level
CNMP	construction noise monitoring plan
CNPS	California Native Plant Society
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
Contract	Williamson Act Contract
Cortese List	Hazardous Waste and Substance Sites (California Government Code Section 65962.5(a))
County	County of San Diego
County Code	San Diego County Code of Regulatory Ordinances
County Noise Ordinance	County Code Section 36.401–36.435
County Register	San Diego County Local Register of Historical Resources
CPA	Community Planning Area
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CSS	coastal sage scrub
CWA	Clean Water Act
dB	decibel
dBA	A-weighted decibel
DC	direct current
DEHQ	County of San Diego Department of Environmental Health and Quality
DEHQ-HIRT	DEHQ Hazardous Incident Response Team
DG	decomposed granite
DHS	Department of Homeland Security
DOC	California Department of Conservation

Acronym	Definition
DPM	diesel particulate matter
DPW	San Diego County Department of Public Works
DTSC	Department of Toxic Substances Control
DU	dwelling unit
DWR	California Department of Water Resources
ECMSCP	East County Multiple Species Conservation Program
EIR	Environmental Impact Report
EO	Executive Order
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning Community Right-to-Know Act
ESA	Endangered Species Act
FAA	Federal Aviation Administration
FAA Solar Guide	<i>Technical Guidance for Evaluating Selected Solar Technologies on Airports</i>
FCA	focused conservation area
FEMA	Federal Emergency Management Administration
FERC	Federal Energy Regulatory Commission
FHSZ	Fire Hazard Severity Zone
FIRM	Flood Insurance Rate Map
FMZ	Fuel Modification Zone
FPP	fire protection plan
FPT	federally proposed threatened
FUDS	Formerly Used Defense Sites
g	the acceleration of a falling object due to gravity
General Plan	<i>San Diego County General Plan: A Plan for Growth, Conservation, and Sustainability</i>
General Plan Update EIR	<i>Draft Final Environmental Impact Report for the San Diego County General Plan Update</i>
gen-tie	generation-tie
GHG	greenhouse gas
GMMP	groundwater monitoring and mitigation plan
Gpm	gallons per minute
GSA	groundwater sustainability agency
GSP	groundwater sustainability plan
GWh	gigawatt-hour
GWP	global warming potential

Acronym	Definition
H&SC	California Health and Safety Code
H ₂ S	hydrogen sulfide
HAP	hazardous air pollutant
HCP	habitat conservation plan
HEC-RAS	Hydrologic Engineering Centers River Analysis System
HFC	hydrofluorocarbon
HMBP	Hazardous Materials Business Plan
HMD	Hazardous Materials Division
HMP	habitat management plan
hp	horsepower
HRA	health risk assessment
HUC	Hydrologic Unit Code
HVAC	Heating, ventilation, and air conditioning
Hz	hertz
I-8	Interstate 8
IFTDSS	Interagency Fuels Treatment Decision Support System
in/sec	inches per second
INTERA	INTERA Incorporated
IPCC	Intergovernmental Panel on Climate Change
IQ	intelligence quotient
ISO	International Standards Organization
ITE	Institute of Transportation Engineers
Jamul	Jamul Indian Village
JCSD	Jacumba Community Services District
KOP	key observation point
kV	kilovolt
kW	kilowatt
kWh	kilowatt-hour
L25	25% of a 1-hour measurement
LARA	Local Agricultural Resources Assessment
LBP	lead-based paint
lbs	pounds
LCI	California Governor's Office of Land Use and Climate Innovation (formerly the Office of Planning and Research)
LED	light-emitting diode

Acronym	Definition
Leq	equivalent sound level
LID	Low Impact Development
Light Pollution Code	County Code Sections 51.201–51.209, Dark Sky Ordinance
Lmax	root-mean-square maximum noise level
Lmin	root-mean-square minimum noise level (acoustic floor)
LOS	level of service
Lpeak	peak sound level
Ma	million years ago
MBTA	Migratory Bird Treaty Act
MCL	maximum contaminant level
mg/m ³	milligrams per cubic meter
MLD	Most Likely Descendent
MMBtu	million British thermal units
MMRP	Mitigation Monitoring and Reporting Program
MOU	Memorandum of Understanding
Mountain Empire Subregional Plan	<i>Mountain Empire Subregional Plan, San Diego County General Plan</i>
mpg	miles per gallon
Mph	miles per hour
MPO	Metropolitan Planning Organization
MRZ	Mineral Resource Zone
MS4	municipal separate storm sewer system
MSCP	Multiple Species Conservation Program
MSH	Millingstone Horizon
MT	metric ton
MTS	San Diego Metropolitan Transit System
MUP	Major Use Permit
MW	megawatt
MWh	megawatt-hour
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NBMMRP	nesting bird management, monitoring, and reporting plan
NCCP	natural community conservation planning
NERC	North American Electric Reliability Corporation

Acronym	Definition
NFIP	National Flood Insurance Program
NFPA	National Fire Protection Association
NHTSA	National Highway Traffic Safety Administration
NML	nest monitoring log
NO ₂	nitrogen dioxide
NOI	Notice of Intent
NOP	Notice of Preparation
NO _x	nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NPPA	Native Plant Protection Act
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSLU	noise-sensitive land use
O&M	operations and maintenance
O ₃	ozone
OHWM	ordinary high water mark
OPR	Office of Planning and Research
OSHA	Occupational Safety and Health Administration
OSM	Office of Surface Mining
Pb	lead
PCB	polychlorinated biphenyl
PCC	Portland cement concrete
PCS	power conditioning system
PDS	Planning and Development Services
PERP	Portable Equipment Registration Program
PFC	perfluorocarbon
PGA	peak ground acceleration
PI	Principal investigator
PM ₁₀	coarse particulate matter (10 microns in diameter or smaller)
PM _{2.5}	fine particulate matter (2.5 microns in diameter or smaller)
Porter-Cologne Act	Porter-Cologne Water Quality Control Act
ppb	parts per billion
pphm	parts per hundred million
ppm	parts per million
ppmv	parts per million by volume

Acronym	Definition
PPV	peak particle velocity
PRC	Public Resources Code
PRG	preliminary remediation goal
project	Starlight Solar Project
PV	photovoltaic
QCB	Quino checkerspot butterfly
RAQS	County Regional Air Quality Strategy
RBC	Rocks Biological Consulting
RCA	Resource Conservation Area
RCNM	Roadway Construction Noise Model
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
Resource Management Plan	<i>Eastern San Diego County Resource Management Plan and Record of Decision</i>
RFS	Renewable Fuel Standard
RL-40	Rural Lands 40
RL-80	Rural Lands 80
RMP	resource management plan
RMS	root mean square
ROG	reactive organic gases
ROW	right-of-way
RPO	Resource Protection Ordinance
RPS	Renewables Portfolio Standard
RTP	regional transportation plan
RWQCB	Regional Water Quality Control Board
S92	General Rural
SAMP	special area management plan
San Pasqual	San Pasqual Band of Diegueño Mission Indians
SANDAG	San Diego Association of Governments
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SCADA	Supervisory Control and Data Acquisition
SCIC	South Coastal Information Center
SCOTUS	Supreme Court of the United States
SCP	scientific collecting permit

Acronym	Definition
SCS	sustainable communities strategy
SD&AE	San Diego & Arizona Eastern Railway
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SDCFA	San Diego County Fire Authority
SDCFPD	San Diego County Fire Protection District
SDCWA	San Diego County Water Authority
SDG&E	San Diego Gas and Electric Company
SDLAFCO	San Diego Local Agency Formation Commission
SDUH	San Diego Unit Hydrology
SDWA	Safe Drinking Water Act
SF ₆	sulfur hexafluoride
SGHAT	Solar Glare Hazard Analysis Tool
SGMA	Sustainable Groundwater Management Act
SIP	State Implementation Plan
SMARA	Surface Mining and Reclamation Act of 1975
SO ₂	sulfur dioxide
SO _x	sulfur oxide
SPCC	spill prevention, control, and countermeasure
SR	State Route
SR-10	Semi-Rural Residential
SRA	State Responsibility Area
SSC	Species of Special Concern
SWPPP	stormwater pollution prevention plan
SWQMP	San Diego Stormwater Quality Management Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
T-BACT	toxics best available control technology
TCP	traffic control plan
TCR	tribal cultural resource
TDM	Transportation Demand Management
TISG	Caltrans 2020 <i>Transportation Impact Study Guide</i>
TMDL	total maximum daily load
U.S. EIA	U.S. Energy Information Administration
UBC	Uniform Building Code

Acronym	Definition
UL	Underwriters Laboratories
USC	United States Code
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UWMP	urban water management plan
VdB	vibration decibel
Viejas	Viejas Band of Kumeyaay Indians
VMT	vehicle miles traveled
VOC	volatile organic compound
VRP	visibility reducing particle
WDR	waste discharge requirement
Williamson Act	California Land Conservation Act of 1965
WL	watch list
WOS	waters of the state
WOUS	waters of the United States
WPO	County of San Diego Watershed Protection, Stormwater Management, and Discharge Control Ordinance
WWOS	wetland waters of the state
WWOUS	wetland waters of the United States
ZEV	zero-emission vehicle

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