

FINAL ENVIRONMENTAL IMPACT REPORT

Sapphire Solar Project



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E	Water Supply Assessment
F	Air Quality, Greenhouse Gas Emissions, and Energy Technical Report
G	Transportation Analysis
H	Jurisdictional Aquatic Resources Report
I	Phase I Cultural Resources Assessment
J	Phase I Environmental Site Assessment
K	Limited Phase II Site Assessment
L	Draft Spill Prevention Control and Countermeasure Plan
M	Hazardous Materials Business Plan
N	Construction Waste Management and Recycling Plan
O	Fire Prevention and Safety Plan
P	Hydrology, Hydraulics, and Water Quality Technical Study
Q	Noise Technical Report
R	Paleontological Resource Survey Report
S	Mitigation Monitoring and Reporting Program
T	Comments and Response to Comments

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AB	Assembly Bill
AC	alternating current
ACC	Advanced Clean Cars
ACEC	Area of Critical Environmental Concern
ADT	average daily traffic
AF	acre-feet
AFY	acre-feet per year
amsl	above mean sea level
APE	area of potential effect
APM	Applicant Proposed Measure
APN	Assessor’s Parcel Numbers
Applicant	Sapphire Solar, LLC
AQMP	Air Quality Management Plan
Basin Plan	Water Quality Control Plan
BAU	business-as-usual
BBCS	Bird and Bat Conservation Strategy
BCC	USFWS—Birds of Conservation Concern
BESS	battery energy storage system
BLM	Bureau of Land Management
BLM S	Bureau of Land Management Sensitive
BMP	best management practice
BP	before the present
BRTR	Biological Resources Technical Report
C&D	construction and demolition
CAAQS	California Ambient Air Quality Standards
CAISO	California Independent System Operator
CAL FIRE	California Department of Forestry and Fire Protection
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CAMA	California-Arizona Maneuver Area
CAP	Climate Action Plan

Acronym/Abbreviation	Definition
CAPTAC	Comprehensive Agricultural Preserve Technical Advisory Committee
CARB	California Air Resources Board
CBC	California Building Code
CCH	Consortium of California Herbaria
CCR	California Code of Regulations
CDCA	California Desert Conservation Area
CDFW	California Department of Fish and Wildlife
CDPR	California Department of Pesticide Regulation
CdTe	cadmium telluride
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act
CFC	California Fire Code
CFGC	California Fish and Game Code
CFR	Code of Federal Regulations
CGS	California Geological Survey
CH ₄	methane
CHP	California Highway Patrol
CMA	Conservation and Management Action
CMP	Congestion Management Plan
CNEL	Community Noise Equivalent Level
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
COG	Council of Governments
County	Riverside County
CPUC	California Public Utilities Commission
CRA	Colorado River Aqueduct
CRHR	California Register of Historical Resources
CRMTP	Cultural Resources Monitoring and Treatment Plan
CRPR	California Rare Plant Rank
CRS	Cultural Resources Specialist
CSA	Community Service Area
CUP	Conditional Use Permit
CUPA	Certified Unified Program Agency

Acronym/Abbreviation	Definition
CVGB	Chuckwalla Valley Groundwater Basin
CWA	Clean Water Act
dB	decibels
dba	A-weighted decibels
DC	direct current
DEH	Department of Environmental Health
DESCP	Drainage Erosion and Sedimentation Control Plan
DFA	Development Focus Area
DHSP	Desert Harvest Solar Project
DOC	California Department of Conservation
DPM	diesel particulate matter
DRECP	Desert Renewable Energy Conservation Plan
DTC	Desert Training Center
DTCCCL	Desert Training Center Cultural Landscape
DTSC	Department of Toxic Substances Control
DWR	California Department of Water Resources
Easley Project	Easley Renewable Energy Project
EDFR	EDF Renewables Development, Inc.
EIR	environmental impact report
EIS	environmental impact statement
EISA	Energy Independence and Security Act of 2007
EMF	electromagnetic field
EMFAC	EMission FACtor
EO	Executive Order
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act
ESL	environmental screening level
ESS	energy storage system
EV	electric vehicle
FAA	Federal Aviation Administration
FHSZ	Fire Hazard Severity Zone
FHWA	Federal Highway Administration
First Update	The First Update to the Climate Change Scoping Plan: Building on the Framework
FLPMA	Federal Land Policy and Management Act
FMMP	Farmland Mapping and Monitoring Program
FPPA	Farmland Protection Policy Act
FPSP	Fire Prevention and Safety Plan

Acronym/Abbreviation	Definition
FRA	Federal Responsibility Area
FRAP	Fire and Resource Assessment Program
FTA	Federal Transit Administration
gen-tie	generation tie
GHG	greenhouse gas
GMRMP	Groundwater Monitoring, Reporting, and Mitigation Plan
GO	General Order
GSP	Groundwater Sustainability Plan
GWh	gigawatt hours
GWP	global warming potential
HAP	hazardous air pollutant
HFC	hydrofluorocarbon
HMBP	Hazardous Material Business Plan
HUD	U.S. Department of Housing and Urban Development
HVAC	heating, ventilation, and air conditioning
HWCL	California Hazardous Waste Control Law
Hz	hertz
I	Interstate
IBC	International Building Code
IEEE	Institute of Electrical and Electronics Engineers
in/sec	inches per second
IPCC	Intergovernmental Panel on Climate Change
ISO	International Organization for Standardization
IWMA	California Integrated Waste Management Act of 1989
JTNP	Joshua Tree National Park
kBtu	kilo-British thermal units
KOP	key observation point
kV	kilovolt
kWh	kilowatt-hours
LCFS	Low Carbon Fuel Standard
L _{dn}	day/night average sound level
L _{eq}	equivalent sound level
LFR	Linear Facility Route
L _{max}	maximum sound level
L _{min}	minimum sound level
LOS	level of service
LRA	Local Responsibility Area

Acronym/Abbreviation	Definition
LRTS	Long Range Transportation Study
LST	localized significance threshold
LUPA	Land Use Plan Amendment
L _{xx}	percentile-exceeded sound level
MBTA	Migratory Bird Treaty Act of 1918
MDAB	Mojave Desert Air Basin
MDAQMD	Mojave Desert Air Quality Management District
MDL	method detection limit
MEC	munitions and explosives of concern
Metropolitan	Metropolitan Water District
mg/kg	milligrams per kilogram
MM	Mitigation Measure
MMRP	Mitigation Monitoring and Reporting Program
MMT	million metric tons
MPO	metropolitan planning organization
MRZ	Mineral Resource Zone
MT	metric tons
MW	megawatts
MWh	megawatt-hours
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NCCP	Natural Community Conservation Planning
NECO	Northern and Eastern Colorado Desert Coordinated Management
NEPA	National Environmental Policy Act
NF ₃	nitrogen trifluoride
NFPA	National Fire Protection Association
NHMLA	Natural History Museum of Los Angeles County
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
NO ₂	nitrogen dioxide
NOP	Notice of Preparation
NO _x	nitrogen oxides
NOx	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPPA	Native Plant Protection Act
NPS	National Park Service

Acronym/Abbreviation	Definition
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
O&M	operations and maintenance
O ₃	ozone
OHV	off-highway vehicle
OHWM	ordinary high water mark
OPLMA	Omnibus Public Lands Management Act
PA	Programmatic Agreement
P-C	Production-Consumption
PCE	passenger car equivalent
PCS	power conversion station
PES	Practical Environmental Solutions
PFC	perfluorocarbon
PFYC	Potential Fossil Yield Classification
PM	particulate matter
PM ₁₀	particulate matter less than or equal to 10 microns in diameter
PM _{2.5}	particulate matter less than or equal to 2.5 microns in diameter
POCO	point of change of ownership
ppm	parts per million
PPV	peak particle velocity
PRC	California Public Resources Code
PRIMP	Paleontological Resource Impact Mitigation Program
Project	Sapphire Solar Project
PRPA	Paleontological Resources Preservation Act
PTNCL	Prehistoric Trails Network Cultural Landscape
PUP	Public Use Permit
PV	photovoltaic
PVC	polyvinyl chloride
PVVTA	Palo Verde Valley Transit Agency
RCALUCP	Riverside County Airport Land Use Compatibility Plan
RCFD	Riverside County Fire Department
RCNM	Roadway Construction Noise Model
RCRA	Resource Conservation and Recovery Act
RFS	renewable fuel standard
RHNA	Regional Housing Needs Assessment
ROD	Record of Decision
ROG	reactive organic gas

Acronym/Abbreviation	Definition
ROW	right-of-way
RPS	Renewables Portfolio Standard
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCADA	Supervisory Control and Data Acquisition
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
Scoping Plan	Climate Change Proposed Scoping Plan: A Framework for Change
SCS	Sustainable Communities Strategy
SDC	Seismic Design Category
Second Update	2017 Climate Change Scoping Plan Update
SEZ	Solar Energy Zone
SF ₆	sulfur hexafluoride
SGMA	Sustainable Groundwater Management Act
SHPO	State Historic Preservation Officer
SLCP	short-lived climate pollutant
SMARA	Surface Mining and Reclamation Act of 1975
SO ₂	sulfur dioxide
SO _x	sulfur oxides
SPCC	Spill Prevention, Control, and Countermeasure
SR	State Route
SRA	State Responsibility Area
SRMA	Recreation Management Area
SSC	California Species of Special Concern
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TCR	Tribal Cultural Resource
TDS	total dissolved solids
Third Update	2022 Scoping Plan for Achieving Carbon Neutrality
TISG	Transportation Impact Study Guide
TP	Technical Policy
UL	Underwriters Laboratories
USACE	U.S. Army Corps of Engineers
USBR	U.S. Bureau of Reclamation

Acronym/Abbreviation	Definition
USC	United States Code
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UXO	unexploded ordnance
VdB	vibration decibels
VMT	vehicle miles traveled
VOC	volatile organic compound
VRM	Visual Resource Management
VRMP	Vegetation Resources Management Plan
WEAP	Worker Environmental Awareness Program
WECC	Western Electricity Coordinating Council
WL	CDFW Watch List Species
WOTUS	waters of the United States
WSA	Water Supply Assessment
WSC	Western Science Center
ZEV	zero-emission vehicle