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Acronyms and Abbreviations

°F	degrees Fahrenheit
A-1	Light Agricultural
AB	Assembly Bill
AFY	acre-feet per year
amsl	above mean sea level
A-P fault zone	Alquist-Priolo Earthquake Fault Zone
APLIC	Avian Power Line Interaction Committee
APM	Applicant Proposed Measure
applicant	Southern California Edison; <i>also</i> , SCE
APSA	Aboveground Petroleum Storage Act
AQMP	Air Quality Management Plan
AR4	IPCC's fourth assessment report
ASM	ASM Affiliates
BACT	Best Available Control Technology
bgs	below ground surface
BLM	Bureau of Land Management
BP	before present
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAISO	California Independent System Operator
CAL FIRE	California Department of Forestry and Fire Protection
CalEEMod	California Emission Estimator Model
Cal-EMA	California Emergency Management Agency
Cal-OSHA	California Occupational Health and Safety Administration
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CDWR	California Department of Water Resources
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Act Information System
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CGS	California Geological Survey
CH ₄	methane
CIP	Critical Infrastructure Protection
C-M	Commercial Manufacturing
cm/sec/sec	centimeters per second per second
cmil	circular mil

CMP	Congestion Management Program
CNDDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	CO ₂ equivalency
CORRACTS	Resource Conservation and Recovery Act
CPUC	California Public Utilities Commission
CRHR	California Register of Historic Resources
CRMTP	Cultural Resources Monitoring and Treatment Plan
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
cy	cubic yards
dB	decibels
dBA	A-weighted decibels
DNL	average level occurring over a 24-hour day-night period; also, L _{dn}
DPR	California Department of Parks and Recreation
DTSC	Department of Toxic Substance Control
EDR	Environmental Data Resources, Inc.
EECAP	Energy Efficient Climate Action Plan
EIR	Environmental Impact Report
EMF	electric and magnetic field
ENA	Electrical Needs Area
EPA	United States Environmental Protection Agency
FAA	Federal Aviation Administration
Farmland	Prime Farmland, Unique Farmland, Farmland of Statewide Importance
FC	Candidate (Federal)
FE	Endangered (Federal)
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FHWA	Federal Highway Administration
FP	Fully Protected
FT	Threatened (Federal)
g	force of gravity
G.O.	General Order
GHG	greenhouse gases
GIS	geographic information system
GO	General Order
GWP	global warming potential
H ₂ S	hydrogen sulfide
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HDD	horizontal directional drilling
HFCs	hydrofluorocarbons

HMBP	Hazardous Materials Business Plan
HMMP	Hazardous Materials Management Plan
HMTA	Hazardous Materials Transportation Act
hp	horsepower
HSC	Health and Safety Code
HWCA	California Hazardous Waste Control Act
Hz	hertz
I-15	Interstate 15
I-210	Interstate 210
I-5	Interstate 5
ICU	Intersection Capacity Utilization
IPCC	Intergovernmental Panel on Climate Change
ITP	Incidental Take Permit
kcmil	1,000 circular mil units
kg	kilogram
KOP	Key Observation Point
kV	kilovolt
LACSD	Los Angeles County Sanitation District
LADWP	Los Angeles Department of Water and Power
LARWQCB	Los Angeles Regional Water Quality Control Board
L _{dn}	average level occurring over a 24-hour day-night period; also, DNL
LED	light-emitting diode
L _{eq}	equivalent sound pressure level
LOS	Level of Service
LRA	Local Reliability Area
LSAA	Lake or Streambed Alteration Agreement
LST	lattice steel tower
LST	Localized Significance Threshold
LUST	Leaking Underground Storage Tank
LWS	lightweight steel
L _{xx}	the percentage of time the sound level is exceeded
MBTA	Migratory Bird Treaty Act
MEER	Mechanical Electrical Equipment Room
Metro	Los Angeles County Metropolitan Transportation Authority
MLD	most likely descendant
MM	Mitigation Measure
MMCRP	Mitigation Monitoring, Compliance, and Reporting Program
MMRP	Mitigation Monitoring and Reporting Plan
mph	miles per hour
MRZ2	mineral resource zone 2
MSERC	Mobile Source Emission Reduction Credit
MT	metric tons
MTCO _{2e}	metric tons of carbon dioxide equivalency
MVA	megavolt ampere
MVAR	megavolt-ampere-reactive

MW	megawatts
MWD	Metropolitan Water District of Southern California
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NCCP	Natural Community Conservation Plan
NDMA	N-Nitrosodimethylamine
NEC	National Electric Code
NEHRP	National Earthquake Hazards Reduction Program
NEPA	National Environmental Policy Act
NERC	North American Electric Reliability Corporation
NFIP	National Flood Insurance Program
NHPA	National Historic Preservation Act
NIST	National Institute of Standards and Technology
NO ₂	nitrogen dioxide
NOP	Notice of Preparation
NO _x	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
O&M	Operations and Maintenance
OII	Operating Industries Incorporated
OPA	Oil Pollution Act
OSHA	Occupational Safety and Health Administration
OSY	operating safe yield
OTC	Once-Through Cooling
PCB	polychlorinated biphenyl
PCE	tetrachloroethylene
PCE	passenger car equivalent
PEA	Proponent's Environmental Assessment
PF	Public Facilities
PFCs	perfluorocarbons
PFYC	Potential Fossil Yield Classification
PGA	peak ground acceleration
PL	Public Law
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
ppm	parts per million
PPV	peak particle velocity
PRC	Public Resources Code
proposed project	Mesa 500-kilovolt Substation Project
PSD	Prevention of Significant Deterioration
PTC	Permit to Construct

PVC	polyvinyl chloride
Qof	quaternary older alluvium
Qw	quaternary wash deposits
Qyf	quaternary young alluvial deposits
R	Rare (State)
R-3	High-Density Residential
RAS	remedial action scheme
RCRA	Resource Conservation and Recovery Act of 1976
refinements	project refinements
ROG	reactive organic gases
ROW	right-of-way
RPS	Renewables Portfolio Standard
RTC	Regional Clean Air Incentive Market Trading Credit
RWQCB	Regional Water Quality Control Board
SARA	Superfund Amendment and Reauthorization Act
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments.
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coast Information Center
SCE	Southern California Edison; <i>also</i> , the applicant
SDG&E	San Diego Gas and Electric
SE	Endangered (State)
SEA	Significant Ecological Area
SF ₆	sulfur hexafluoride
SHPO	State Historic Preservation Officer
SIP	state implementation plan
SONGS	San Onofre Nuclear Generating Station
SO _x	oxides of sulfur
SPCC	Spill Prevention, Control, and Countermeasure
SR	State Route
SSC	Species of Special Concern
ST	Threatened (State)
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TMDL	total maximum daily load
TQ	threshold quantities
TRTP	Tehachapi Renewable Transmission Project
TSP	tubular steel pole
UBC	Uniform Building Code
Urbana	Urbana Preservation and Planning, LLC
USACE	United States Army Corps of Engineers
USC	United States Code
USDOT	United States Department of Transportation
USFS	United States Forest Service

USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
V/C	volume to capacity ratio
VdB	vibration decibels
VOC	volatile organic compound
VRP	visibility-reducing particles
WDR	Waste Discharge Requirement
WEAP	Worker Environmental Awareness Program
WECC	Western Electricity Coordinating Council
WEG	wind erodibility group
WL	Watch List