

Acronyms and Abbreviations

°F	degrees Fahrenheit
µg/m ³	micrograms per cubic meter
3-D	Three-dimensional
AB	Assembly Bill
AC	alternating current
ADT	Average Daily Traffic
AFC	Application for Certification
AGR	agricultural supply
ANSI/ASME	American National Standards Institute/American Society of Mechanical Engineers
APCDs	air pollution control districts
APE	area of potential effect
API	American Petroleum Institute
APN	Assessor's Parcel Number
AQMDs	air quality management districts
ASME	American Society of Mechanical Engineers
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BAAQMD	Bay Area Air Quality Management District
BACT	best available control technology
BMPs	best management practices
BOE	California State Board of Equalization
BRMIMP	Biological Resources Mitigation Implementation Monitoring Plan
Btu/kWh	British thermal units per kilowatt hour
CAA	Clean Air Act
CAISO	California Independent System Operator
Cal/OSHA	California Division of Occupational Safety and Health

CalARP	California Accidental Release Program
Cal-OSHA	California Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CAS	Chemical Abstract Service
CBC	California Building Code
CCR	California Code of Regulations
CDC	California Department of Conservation
CDFG	California Department of Fish and Game
CDMG	California Division of Mines and Geology
CDOGGR	California Division of Oil, Gas, and Geothermal Resources
CEC	California Energy Commission
CEDD	California Employment Development Department
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act
CF	Community Facility
CFR	Code of Federal Regulations
CGS	California Geological Survey
CHP	California Highway Patrol
CHRIS	California Historical Resources Information System
CIWMA	California Integrated Waste Management Act
CIWMB	California Integrated Waste Management Board
CNDDDB	California Natural Diversity Database
CNPS	California Native Plant Society's
CO	carbon monoxide
COLD	cold freshwater habitat
CPM	compliance project manager
CPUC	California Public Utilities Commission

CPV	Competitive Power Ventures, Incorporated
CPVVS	CPV Vaca Station
CRS	Cultural Resource Specialist
CTG	combustion turbine generator
CTP 2030	2030 Solano Comprehensive Transportation Plan
CUPA	Certified Unified Program Agency
CVC	California Vehicle Code
CWA	Clean Water Act
CWS	circulating water system
dB	decibels
dba	A-weighted decibels
DBE	Design Basis Earthquake
DC	direct current
DCS	distributed control system
DESCP	Drainage, erosion, and sediment control plan
DOC	Determination of Compliance
DOF	California Department of Finance
DOT	U.S. Department of Transportation
DTSC	California Department of Toxic Substances Control
DWR	California Department of Water Resources
EAF	equivalent availability factor
EDI	electrodeionization
EHS	Extremely Hazardous Substance
EIR	Environmental Impact Report
EMF	electromagnetic field
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act of 1986
ERPG	Emergency Response Planning Guideline
ESA	Endangered Species Act

ESA	Environmental Site Assessment
EWTP	Easterly Wastewater Treatment Plant
FAA	Federal Aviation Administration
FAR	Floor Area Ratio
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FMMP	Farmland Mapping and Monitoring Program
FWHA	Federal Highway Administration
FY	fiscal year
ga/lb	gallon(s) per pound
GE	General Electric
GEP	Good Engineering Practice
GIPR	Generator Interconnection Process Reform
Gj/hr	gigajoules per hour
GO 95	General Order 95
gpm	gallons per minute
GSUT	generator step-up transformer
H&SC	Health & Safety Code
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HHV	higher heating value
HMBP	Hazardous Materials Business Plan
HMP	Hazardous Materials Program
HOV	High-occupancy vehicle
HP	high pressure
HRSG	heat recovery system generator
HSP	Health and Safety Plan
HWCL	Hazardous Waste Control Law
I/O	input/output

I-80	Interstate 80
I-50	Interstate 50
I-5	Interstate 5
IDLH	Immediately dangerous to life and health
IFS	Interconnection Feasibility Study
IND	industrial service supply
ICU	Intersection Capacity Utilization
IP	intermediate pressure
IRs	Interconnection Requests
kA	kiloampere
KOPs	key observation points
kV	kilovolt
LAER	lowest achievable emission rate
LD50	Dose lethal to 50 percent of those tested
L _{dn}	Day-Night Sound Level
LEPC	local emergency planning committee
L _{eq}	equivalent sound pressure level
LGIP	Large Generator Interconnection Procedures
LHV	lower heat value
LO/TO	Lock-out/tag-out
LORS	laws, ordinances, regulations, and standards
LOS	Level of service
LP	low pressure
MBTA	Migratory Bird Treaty Act
MCCs	motor control centers
MCE	maximum credible earthquake
MDS	makeup demineralizer system
MEI	maximally exposed individual
MF	microfiltration

mg/kg	milligrams per kilogram
mg/m ³	milligrams per cubic meter
MHCP	Multispecies Habitat Conservation Plan
MICR	Maximum Incremental Cancer Risk
MIGR	migration of aquatic organisms
MIR	Maximum Impact Receptor
MMBtu	million British thermal units
MMBtu/hr	million British thermal units per hour
MSA	Metropolitan Statistical Area
MSDS	Material Safety Data Sheet
MUN	municipal and domestic supply
MW	megawatts
NAAQS	national ambient air quality standards
NAHC	Native American Heritage Commission
NAV	navigation
NDE	non-destructive
NESHAPs	National Emissions Standards for Hazardous Air Pollutants
NFPA	National Fire Protection Association
NHPA	National Historic Preservation Act
NIEHS	National Institute of Environmental Health Sciences
NO	nitric oxide
NO ₂	nitrogen dioxide
NOI	Notice of Intent
NO _x	nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NSR	new source review
NWI	National Wetlands Inventory
O&M	operations and maintenance

OCA	Offsite Consequences Analysis
OEHHA	Office of Environmental Health Hazard Assessment
OSHA	Occupational Safety and Health Administration
OWS	oil/water separator system
PAHs	polycyclic aromatic hydrocarbons
PBA	peak bedrock acceleration
PCBs	polychlorinated biphenyls
PCE	Passenger Car Equivalent
PEL	OSHA-permissible exposure limit for 8-hour workday
PG&E	Pacific Gas and Electric Company
PM ₁₀	particulate matter with a diameter less than 10 microns
PM _{2.5}	particulate matter less than 2.5 microns in equivalent diameter
POTW	Publicly Owned Treatment Works
PPE	Personal protective equipment
ppm	parts per million
ppmvd	parts per million by volume, dry basis
PRC	Public Resources Code
PRMMP	Paleontological Resources Monitoring and Mitigation Program
PRO	industrial process supply
PRS	paleontological resources specialist
PSD	Prevention of Significant Deterioration
psi	pounds per square inch
PSM	Process Safety Management
PVMRM	Plume Volume Molar Ratio Method
RCRA	Resource Conservation and Recovery Act
REL	Reference Exposure Level
RFO	Request for Offers
RI-TVI	Radio Interference and Television Interference
RMP	Risk Management Plan

RO	reverse osmosis
ROC	reactive organic compounds
RQ	reportable quantity
RTP 2035	2035 Regional Transportation Plan
RUSLE2	Revised Universal Soil Loss Equation
RWQCB	Regional Water Quality Control Board
S&HC	California Street and Highways Code
SARA	Superfund Amendments and Reauthorization Act
SCR	selective catalytic reduction
SCWA	Solano County Water Agency
SERC	State Emergency Response Commission
SHRA	screening health risk assessment
SIP	State Implementation Plan
SO ₂	sulfur dioxide
SO _x	sulfur oxides
SPCC	Spill Prevention Control and Countermeasures
SPWN	spawning, reproduction, and/or early development
SR 113	State Route 113
SR 12	State Route 12
STA	Solano Transportation Authority
STEL	Short-term exposure limit, 15-minute exposure
STG	steam turbine generator
SVAB	Sacramento Valley Air Basin
SWMP	Stormwater Management Plan
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
SWS	service water system
TACs	toxic air contaminants
TBACT	Toxics-Best Available Control Technology

TDS	total dissolved solids
TEWAC	Totally enclosed water/air-cooled
TLV	ACGIH threshold limit value for 8-hour workday
TMP	Transportation Management Plan
TPQs	Threshold Planning Quantities
tpy	tons per year
TQ	threshold quantity
TSD	treatment, storage, and disposal
TSP	Total suspended particulates
TWA	NIOSH time-weighted average for 8-hour workday
UCD	University of California, Davis
UCMP	University of California Museum of Paleontology at Berkeley
UPS	uninterruptible power supply
USC	United States Code
USEPA	U.S. Environmental Protection Agency
USFS	U.S. Department of Agriculture Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UTM	Universal Transverse Mercator Projection
VFD	Vacaville Fire Department
VOCs	volatile organic compounds
VSS	Vacaville Sanitary Service
WARM	warm freshwater habitat
WDR	Waste Discharge Requirement
WILD	wildlife habitat
YSAQMD	Yolo-Solano Air Quality Management District
ZLD	zero liquid discharge