

**List of Acronyms**

AB	Assembly Bill
ABAG	Association of Bay Area Governments
AC	alternating current
ACDEH	Alameda County Department of Environmental Health
ACE	Altamont Corridor Express
ACGIH	American Conference of Governmental Industrial Hygienists
ACTC	Alameda County Transportation Commission
ACWD	Alameda County Water District
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
af	acre-feet
afy	acre-feet per year
AIA	Airport Influence Area
Alameda CTC	Alameda County Transportation Commission
ALUC	Airport Land Use Commission
ALUCP	Airport Land Use Compatibility Plan
APA	Airport Protection Area
APCO	Air Pollution Control Officer
APN	Assessor's Parcel Number
APSA	Aboveground Petroleum Storage Act
ASR	Archeological Survey Report
ASTM	American Society for Testing and Materials
ATCM	Airborne Toxic Control Measure
B	beneficial impact
BAAQMD	Bay Area Air Quality Management District
BART	San Francisco Bay Area Rapid Transit District
BART Board	BART Board of Directors
BART Police	BART Police Department
Basin Plan	San Francisco Bay Basin Water Quality Control Plan
Bay Area	San Francisco Bay Area
bgs	below ground surface
BMP	best management practice
BRT	bus rapid transit
BTU	British thermal units
BTU/gal	British thermal units per gallon
BUOW	burrowing owl
CAA	Clean Air Act (federal)
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy (standards)

CAL FIRE	California Department of Forestry and Fire Protection
CalARP	California Accidental Release Prevention Program
CalEEMod®	California Emission Estimator Model, version 2013.2.2
CalEPA	California Environmental Protection Agency
Cal/OSHA	California Division of Occupational Safety and Health
California CAA	State of California Clean Air Act
California Register	California Register of Historical Resources
Caltrans	California Department of Transportation
CalWater	California Water Service Company
CARB	California Air Resources Board
CARE	Community Air Risk Evaluation
CBC	California Building Code
CBIA	California Building Industry Association
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
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
CFR	Code of Federal Regulations
CGP	Construction General Permit
CGS	California Geological Survey
CHMIRS	California Hazardous Material Incident Reporting System
CHRIS	California Historical Resources Information System
CaHSR	California High Speed Rail
CIA	Community Impact Assessment
CNDDB	California Natural Diversity Database
CNEL	community noise equivalent level
CNPS	California Native Plant Society
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
CPUC	California Public Utilities Commission
CRLF	California red-legged frog
CRPR	California Rare Plant Rank
CSS	Caltrans' Context Sensitive Solutions
CTS	California tiger salamander

CUPA	Certified Unified Program Agency
CWA	Clean Water Act
dB	decibel
dBA	A-weighted decibel
DC	direct current
DHS	California Department of Health Services
DMU	diesel multiple unit
DPM	diesel particulate matter
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
EACCS	East Alameda County Conservation Strategy
eBART	East Contra Costa County BART Extension
EDR	Environmental Data Resources, Inc.
EIR	environmental impact report
EMF	electromagnetic field
EMR	electromagnetic radiation
EMU	electrical multiple unit
EPA	United States Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	environmental site assessment
FAA	Federal Aviation Administration
FCC	Federal Communications Commission
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FHWA	Federal Highway Administration
FMMP	Farmland Mapping and Monitoring Program
FRA	Federal Railroad Administration
FTA	Federal Transit Administration
g	gravity
g/hp-hr	gram per horsepower-hour
GHG	greenhouse gas
GO	General Order
gpd	gallons per day
gpy	gallons per year
GSP	groundwater sustainability plan
HAP	hazardous air pollutant
HCP	habitat conservation plan
HMBP	hazardous materials business plan
HMIRS	Hazardous Materials Incident Reporting System
HP	horsepower

HPSR	historic properties survey report
HRA	health risk assessment
HRER	historical resources evaluation report
HSC	California Health and Safety Code
Hz	Hertz
I-	Interstate Highway
IARC	International Agency for Research on Cancer
ICNIRP	International Commission on Non-Ionizing Radiation Protection
in/sec	inch(es) per second
INP	Isabel Neighborhood Plan
ISA	initial site assessment
kV	kilovolts
kW	kilowatt
kWh	kilowatt-hour
LAVTA	Livermore-Amador Valley Transportation Authority
LAVWMA	Livermore-Amador Valley Water Management Agency
lbs/day	pounds per day
$L_{dn}$	day-night average noise level
$L_{eq}$	equivalent A-weighted noise level
$L_{eq}$ (h)	equivalent A-weighted noise level over 1 hour
LHFS	longhorn fairy shrimp
LID	low-impact development
LLNL	Lawrence Livermore National Laboratory
$L_{max}$	maximum sound level
LQG	large-quantity generators
LS	less-than-significant impact
LSM	less-than-significant impact with mitigation
LUST	leaking underground storage tank
m	milli (1 thousandth)
MACT	maximum achievable control technology
MAP-21	Moving Ahead for Progress in the 21st Century Act
MAX	Modesto Area Express
MBTA	Migratory Bird Treaty Act
MEISR	maximally exposed individual sensitive receptor
mG	milliGauss
mgd	million gallons per day
mg/L	milligrams per liter
mph	miles per hour
MM	Modified Mercalli
MMRP	Mitigation Monitoring and Reporting Program

MRP	Municipal Regional Stormwater NPDES Permit
MRZ	Mineral Resource Zone
MSAT	mobile source air toxics
MS4	Municipal Separate Storm Sewer Systems
msl	mean sea level
MTC	Metropolitan Transportation Commission
MW	megawatt
M <sub>w</sub>	Moment Magnitude scale
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
National Register	National Register of Historic Places
NCCP	natural community conservation plan
NEPA	National Environmental Policy Act
NESHAPs	National Emissions Standards for Hazardous Air Pollutants
NHPA	National Historic Preservation Act
NI	no impact
NMFS	National Marine Fisheries Service
NO <sub>2</sub>	nitrogen dioxide
NOI	notice of intent
NOP	notice of preparation
NO <sub>x</sub>	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List (Superfund sites)
NSPS	New Source Performance Standards
NSR	New Source Review
NWIC	Northwest Information Center
O&M	operations and maintenance
OEHHA	California's Office of Environmental Health Hazard Assessment
OHP	California Office of Historic Preservation
PCB	polychlorinated biphenyl
PDA	Priority Development Area
PEIR	Program EIR
PG&E	Pacific Gas and Electric Company
PGA	peak ground acceleration
PM	particulate matter
PM <sub>2.5</sub>	fine particulate matter, less than 2.5 microns in diameter
PM <sub>10</sub>	respirable particulate matter, less than 10 microns in diameter
ppm	parts per million
PPV	peak particle velocity
PRC	Public Resources Code

PV	photovoltaic
PWS	planning watershed
RCRA	Resource Conservation and Recovery Act
RDP	ridership development plan
ROG	reactive organic gas
ROW	right-of-way
RTA	rail transit agency
RTC	Response to Comments
RTD	(San Joaquin) Regional Transit District
RTP	regional transportation plan
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SEMS	Superfund Enterprise Management System
SEP	BART System Expansion Policy
SFBAAB	San Francisco Bay Area Air Basin
SGMA	Sustainable Groundwater Management Act
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SJRRC	San Joaquin Regional Rail Commission
SJKF	San Joaquin kit fox
SLIC	spills, leaks, investigations and cleanup
SNL	Sandia National Laboratory
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	oxides of sulfur
SPCC	Spill Prevention, Control, and Countermeasure
SQG	small-quantity generators
SR-	State Route
SSPP	BART System Safety Program Plan
State	State of California
SU	significant and unavoidable impact
SVP	Society of Vertebrate Paleontology
SWMP	Stormwater Management Plan
SWP	State Water Project
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
T-BACT	best available control technology
TDS	total dissolved solids
TIP	transportation improvement program
TLV	Threshold Limit Value

TMDL	total maximum daily load
TOD	transit-oriented development
tpd	ton(s) per day
tpy	ton(s) per year
TPSS	traction power substation
UGB	urban growth boundary
ULSD	ultra-low-sulfur diesel
U.S.	United States
USACE	United States Army Corps of Engineers
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
UXO	Unexploded Ordinance
V	volts
VdB	vibration decibel
V/m	volts per meter
VMT	vehicle miles traveled
VOC	volatile organic compound
VPFS	vernal pool fairy shrimp
VTA	Santa Clara Valley Transportation Authority
WDR	waste discharge requirements
WPT	western pond turtle
WUIC	Wildland-Urban Interface Code
Zone 7	Zone 7 Water Agency of the Alameda County Flood Control and Water Conservation District
°F	degrees Fahrenheit
μ	micro (1 millionth)
μS/cm	microSiemens per centimeter
μT	microtesla

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