

## ACRONYMS AND ABBREVIATIONS

°C	degrees Celsius (Centigrade)
°F	degrees Fahrenheit
µg/m <sup>3</sup>	micrograms per cubic meter
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
ABAG	Association of Bay Area Governments
ACHP	Advisory Council on Historic Preservation
ACM	asbestos-containing material
ACP	Alternative Compliance Plan
ACTM	Airborne Toxics Control Measure
ADA	Americans with Disabilities Act
ADT	Average Daily Traffic
AFY	acre-feet/year
AIC	Archaeological Information Center
AIRFA	American Indian Religious Freedom Act
ALUC	Airport Land Use Commission
AMSL	above mean seal level
APE	Area of Potential Effect
APN	Assessor's Parcel Number
AQI	Air Quality Index
AQMD	Air Quality Management District
ARB	California Air Resources Board
ARDR	Aquatic Resource Delineation Report
ARPA	Archaeological Resources Protection Act
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
ATCM	Airborne Toxic Control Measures
BAAQMD	Bay Area Air Quality Management District
BACT	Best Available Control Technology
BASMMA	Bay Area Stormwater Management Agencies Association
BAU	Business as Usual
BCDC	Bay Conservation and Development Commission
BCF	billion cubic feet
BCF/year	billion cubic feet per year
BM	Brackish Marsh

**Acronyms and Abbreviations**

---

BMP	Best Management Practice
BP	Before Present
BRE	Biological Resource Evaluation
BSA	Biological Study Area
BTU	British Thermal Unit
BVOC	biogenic volatile organic compound
C <sup>2</sup> ES	Center for Climate and Energy Solution
CA MUTCD	California Manual on Uniform Traffic Control Devices
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
Cal/ARP	California Accidental Release Prevention Program
Cal/EPA	California Environmental Protection Agency
Cal/OSHA	California Occupational Safety and Health Administration
CalEEMod	California Emissions Estimator Model
Caltrans	California Department of Transportation
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CASQA	California Stormwater Quality Association
CBC	California Building Standards Code
CCAA	California Clean Air Act
CCCC	California Climate Change Center
CCGMMP	Contra Costa Goldfields Mitigation and Monitoring Plan
CCR	California Code of Regulations
CCTS	Central California Taxonomic System
CDFW	California Department of Fish and Wildlife
CDSO	City Development Services Director
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFC	chlorofluorocarbon
CFR	Code of Federal Regulations
cfs	cubic feet per second
CH <sub>4</sub>	methane
CHL	California Historical Landmarks
CHRIS	California Historical Resources Information System
CMP	Congestion Management Plan
CNDDDB	California Natural Diversity Database

CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CNPSEI	California Native Plant Society Electronic Inventory
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO <sub>2</sub> e	carbon dioxide equivalent
CPHI	California Points of Historical Interest
CPUC	California Public Utilities Commission
CRA	Cultural Resources Assessment
CRAM	California Rapid Assessment Method
CRHR	California Register of Historical Resources
CTS	California tiger salamander
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
dB	decibel
dBA	A-weighted decibel
DBH	diameter at breast height
DD	Drainage Ditch
DPM	diesel particulate matter
DPS	Distinct Population Segment
DTSC	California Department of Toxic Substances Control
du	dwelling unit
du/acre	dwelling unit per acre
EIR	Environmental Impact Report
EISA	Energy Independence and Security Act of 2007
EMF	electromagnetic field
EMFAC	Emission Factors mobile source emissions model
EPA	United States Environmental Protection Agency
EV	electric vehicle
FAR	floor area ratio
FAST	Fairfield and Suisun Transit
FCS	FirstCarbon Solutions
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIRM	Flood Insurance Rate Map
FSSD	Fairfield-Suisun Sewer District
GHG	greenhouse gas
gpm	gallons per minute

**Acronyms and Abbreviations**

---

GPS	Global Positioning System
GWh	gigawatt-hours
GWh/y	gigawatt-hours per year
GWP	global warming potential
HAP	Hazardous Air Pollutants
HBC	Helm Biological Consulting
HBG	Huffman-Broadway Group
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HFC	hydrofluorocarbon
HI	hazard index
HRA	Health Risk Assessment
HRI	California Historic Resources Inventory
HVAC	heating, ventilation, and air conditioning
IAQ	Indoor Air Quality
IOU	investor-owned utility
IPCC	United Nations Intergovernmental Panel on Climate Change
ISO	Independent System Operator
ISTEA	Intermodal Surface Transportation Efficiency Act
ITE	Institute of Transportation Engineers
ITP	Incidental Take Permit
kBTU	kilo-British Thermal Unit
kV	kilovolt
kW	kilowatts
LAFCo	Local Agency Formation Commission
LBP	lead-based paint
LCFS	Low Carbon Fuel Standard
LDA	light-duty auto
L <sub>dn</sub>	day/night average sound level
LDT	light-duty truck
LDT1	light-duty truck 1
LDT2	light-duty truck 2
LED	light-emitting diode
L <sub>eq</sub>	equivalent sound level
LEV	Low Emission Vehicle
LID	Low Impact Development
LOS	Level of Service
LSE	load-serving entities

LUST	Leaking Underground Storage Tank
M&A	Monk & Associates
MBTA	Migratory Bird Treaty Act
MDV	medium-duty vehicle
mgd	million gallons per day
MIR	Maximally Impacted Sensitive Receptor
MLD	Most Likely Descendant
MMRP	Mitigation Monitoring and Reporting Program
MOU	Memorandum of Understanding
mph	miles per hour
MPO	Metropolitan Planning Organization
MRP	Municipal Regional Stormwater Permit
MS4	Municipal Separate Storm Sewer System
MSHCP	Multiple Species Habitat Conservation Plan
MTBE	methyl tertiary butyl ether
MTC	Metropolitan Transportation Commission
MTS	Metropolitan Transportation System
MW	megawatt
MWh	megawatt-hour
MXD	mixed-use development
N <sub>2</sub> O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NCCP	Natural Community Conservation Plan
NCHRP	National Cooperative Highway Research Program
NEHRP	National Earthquake Hazards Reduction Program
NEPA	National Environmental Policy Act
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NF <sub>3</sub>	nitrogen trifluoride
NFIP	National Flood Insurance Program
NFPA	National Fire Protection Association
NHM	Natural History Museum of Los Angeles County
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
NOAA Fisheries	National Marine Fisheries Service
NO <sub>2</sub>	nitrogen dioxide
NOC	Notice of Completion
NOP	Notice of Preparation

Acronyms and Abbreviations

---

NO <sub>x</sub>	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NWIC	Northwest Information Center
O <sub>3</sub>	ozone
OAL	Office of Administrative Law
OEHHA	California Office of Environmental Health Hazard Assessment
OES	Office of Emergency Services
OHP	Office of Historic Preservation
OHWM	ordinary high water mark
ONAC	Federal Office of Noise Abatement and Control
OPR	Governor’s Office of Planning and Research
OSHA	Occupational Safety and Health Administration
PCB	polychlorinated biphenyl
PCE	Passenger Car Equivalent
pCi/L	picocuries per liter
PFC	perfluorocarbon
PG&E	Pacific Gas and Electric Company
Phase I ESA	Phase I Environmental Site Assessment
PM <sub>10</sub>	particulate matter, including dust, 10 micrometers or less in diameter
PM <sub>2.5</sub>	particulate matter, including dust, 2.5 micrometers or less in diameter
PM <sub>x</sub>	particulate matter
ppb	parts per billion
ppm	parts per million
ppt	parts per trillion
PPV	peak particle velocity
PRC	Public Resources Code
PTMMP	Papose Tarplant Mitigation and Monitoring Plan
PUD	Planned Unit Development
PVC	polyvinyl chloride
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
Recology	Integrated Resource Recovery Company
REL	Reference Exposure Level
RHNA	Regional Housing Need Allocation
RMP	Risk Management Plan
rms	root mean square

ROG	reactive organic gases
RPS	Renewables Portfolio Standard
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
RWSB	Ricksecker’s water scavenger beetle
SB	Senate Bill
SCADA	Supervisory Control and Data Acquisition
SCS	Sustainable Communities Strategy
SCWA	Solano County Water Agency
SF <sub>6</sub>	sulfur hexafluoride
SFBAAB	San Francisco Bay Area Air Basin
SFPUC	San Francisco Public Utilities Commission
SID	Solano Irrigation District
SIP	State Implementation Plan
SMHM	salt marsh harvest mouse
SO <sub>2</sub>	sulfur dioxide
SOI	Sphere of Influence
SO <sub>x</sub>	sulfur oxides
SR	State Route
SSMM	start-up, shutdown, maintenance, and malfunction
SSWA	Suisun-Solano Water Authority
STA	Solano Transit Authority
STAA	Surface Transportation Assistance Act
State Water Board	California State Water Resources Control Board
SW	Seasonal Wetland
SWPPP	Storm Water Pollution Prevention Plan
TAC	toxic air contaminant
TCM	transportation control measures
TCR	Tribal Cultural Resource
TDM	Transportation Demand Management
TDS	total dissolved solids
TDV	Time Dependent Valuation
Tg	teragram
therms/y	therms per year
TIA	Traffic Impact Analysis
TIS	Traffic Impact Study
TISG	Transportation Impact Study Guide
TMA	Transportation Management Association

**Acronyms and Abbreviations**

---

TMDL	Total Maximum Daily Load
TOD	Transit Oriented Development
TRU	Transport Refrigeration Unit
UBC	Uniform Building Code
UNEP	United Nations Environment Programme
UNFCCC	United Nations Framework Convention on Climate Change
USACE	United States Army Corps of Engineers
USC	United States Code
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
V/C	volume to capacity ratio
VDECS	Verified Diesel Emission Control Strategies
VMT	Vehicle Miles Traveled
VOC	volatile organic compound
WDR	Waste Discharge Requirements
WPT	western pond turtle
WRI	World Resources Institute
WSA	Water Supply Assessment
ZEV	Zero-Emission Vehicle