

Acronyms

ACRONYMS, ABBREVIATIONS, AND INITIALISMS

AADT: Annual Average Daily Trips
AB 118: Assembly Bill 118
AB 923: Assembly Bill 923
ACC: Advanced Clean Cars
ACT: Alternative Control Techniques
AEO: Annual Energy Outlook
AERO: Advanced Emissions Reductions Options
AIP: achieved in practice
AMI: acute myocardial infarction
AO: Agricultural Operations
APCO: Air Pollution Control Officer
AQI: Air Quality Index
AQIP: Air Quality Incentive Program
AQMD: Air Quality Management District
AQMP: Air Quality Management Plan
AQS: Air Quality System
ARB: California Air Resources Board
ARRA: American Reinvestment & Recovery Act
ATCM: Airborne Toxic Control Measure
ATV: all-terrain vehicles
BAAQMD: Bay Area Air Quality Management District
BACM: Best Available Control Measure
BACT: Best Available Control Technology
BAM: beta-attenuation method
BAM/FEM: Real-time Beta-attenuation method monitors designated as federal equivalent method
BAR: Bureau of Automotive Repair
BenMAP: The Environmental Benefits Mapping and Analysis Program
bhp: brake horsepower
BMP: best management practice
BVOC: biogenic volatile organic compound
CAA: Clean Air Act
CAF: confined animal facility
CAPCOA: California Air Pollution Control Officers Association
CARB: California Air Resources Board
CART: Classification and Regression Trees Method
CASAC: Clean Air Scientific Advisory Committee
CAV: Clean Air Vehicle
CCDAQ: Clark County Department of Air Quality
CCSE: California Center for Sustainable Energy

CE-CERT: University of California, Riverside College of Engineering - Center for Environmental Research and Technology
CEC: California Energy Commission
CEFS: California Emission Forecasting and Planning Inventory System
CEMS: Continual Emissions Monitoring System
CEQA: California Environmental Quality Act
CFO: Clean Fuels Outlet
CFR: Code of Federal Regulations
CGYM: Clean Green Yard Machine
CH&SC: California Health and Safety Code
ChIP: Charbroiler Incentive Program
CM: control measures
CMAQ: Community Multi-Scale Air Quality
CMB: chemical mass balance
CMP: Conservation Management Practice
CNG: compressed natural gas
CO: carbon monoxide
CO₂: carbon dioxide
COG: Council of Governments
COI: cost of illness
CPF: Conditional probability function
CRF: concentration response function
CRPAQS: California Regional Particulate Air Quality Study
CSN: Chemical Speciation Network
CTG: Control Techniques Guidelines
CTM: Chemical transport models
CV: cardiovascular
CVRP: Clean Vehicle Rebate Project
DC&E: Design, Community, and Environment
DERA: Diesel Emission Reductions Act
DF: deposition fraction
DMV: Department of Motor Vehicles
DOF: Department of Finance
DOGGR: California Department of Conservation's Division of Oil, Gas, and Geothermal Resources
DOORS: Diesel Off-road On-line Reporting System
District: San Joaquin Valley Air Pollution Control District
DPF: diesel particulate filter
DPR: Department of Pesticide Regulation
EC: elemental carbon
EE: exceptional event
EF: emission factor
EF&EE: Engine, Fuel, and Emissions Engineering, Inc.
EFMP: Enhanced Fleet Modernization Program
EIC: Emission Inventory Code
EMFAC: Emission Factors model

EPA: U.S. Environmental Protection Agency
EQIP: Environmental Quality Incentives Program
ER: emergency room
ERC: Emission Reduction Credits
ESP: electrostatic precipitator
eTRIP: Employer Trip Reduction Implementation Plan
FDOC: Final determination of compliance
FEM: federal equivalent method
FIP: federal implementation plan
FFMP: Farmland Mapping and Monitoring Program
FMP: Flare Minimization Plan
FR: Federal Register
FRM: Federal Reference Method
FTIP: Federal Transportation Improvement Plan
FY: fiscal year
GHG: greenhouse gas
GIS: geographic information systems
GMRP: Proposition 1B Goods Movement Emission Reduction Program
GSE: ground support equipment
GVWR: gross vehicle weight rating
HEP: head end power
HHDV: heavy heavy-duty vehicles
HVIP: Hybrid Truck and Bus Voucher Incentive Program
IC: internal combustion
ICAPCD: Imperial County Air Pollution Control District
IEPR: Integrated Energy Policy Report
ILD: idle limiting device
ILEV: Inherently Low Emission Vehicle
IMPROVE: Interagency Monitoring of Protected Visual Environments
IMS-95: Integrated Monitoring Study in 1995
IQR: interquartile range
ISR: Indirect Source Review
JPA: joint powers authority
kW: kilowatt
lb/MMBtu: pounds per million British thermal units of heat output
LD50: dose causing death for 50% of the exposed subjects
LDA: light-duty passenger
LDT: light-duty trucks
LEV: low-emission vehicles
LHDV: light heavy-duty vehicles
LMA: Land Management Agency
LNG: liquefied natural gas
LPG: liquefied petroleum gas
LSI: large spark-ignited
LTO: low temperature oxidation
MACT: Maximum Achievable Control Technology

MCY: motorcycles
MDL: minimum detection limit
MDV: medium-duty vehicles
MEGAN: Model of Emissions of Gases and Aerosols from Nature
MFB: mean fractional bias
MFE: mean fractional error
MH: motor homes
MHDV: medium heavy-duty vehicles
MHP: medium horsepower
MMBtu/hr: million British thermal units per hour
MMS: Mesoscale Meteorological Model
MODIS: Moderate Resolution Imaging Spectroradiometer
MOU: Memorandum of Understanding
MPO: Metropolitan Planning Organization
MSW: municipal solid waste
MW: megawatt
NAAQS: National Ambient Air Quality Standards
NCAR: National Center for Atmospheric Research
NESHAP: National Emission Standards for Hazardous Air Pollutants
ng/J: nanograms per Joule of heat output
NH₃: ammonia
NMB: normalized mean bias
NO_x: oxides of nitrogen
NO_y: reactive nitrogen
NQ: not quantifiable
NRCS: Natural Resources Conservation Service
NSCR: non-selective catalytic reduction
NSPS: New Source Performance Standards
NSR: New Source Review
O₃: ozone
OB: other buses
OBD: On board diagnostics
OC: organic carbon
OH: Hydroxyl radicals
PAH: polycyclic aromatic hydrocarbons
PAN: Peroxy Acetyl Nitrate
PASS: Polluting Automobile Scrap and Salvage
PEER: Permit-Exempt Equipment Registration
PEV: Plug-in Electric Vehicles
PM: particulate matter
PM_{0.1}: ultrafine particles
PM_{2.0}: particulate matter that is 2.0 microns or less in diameter
PM_{2.5}: particulate matter that is 2.5 microns or less in diameter
PM₁₀: particulate matter that is 10 microns or less in diameter
PMF2: Positive Matrix Factorization Model version 2
POA: Primary organic aerosols

Ppb: parts per billion
Ppm: parts per million
Ppmv: parts per million volume
PPN: Particulate protein nitrogen
PTFE: Poly Tetra Fluoro Ethylene
PUC: Public Utilities Commission
QA: quality assurance
QC: quality control
RAAN: Real-Time Air Quality Advisory Network
RACT: reasonably available control technology
RACM: reasonably available control measure
RARE: Regional Applied Research Effort
RBS: Risk-Based Strategy
REES: Regional Energy Efficiency Strategy
REHEX: Regional Human Exposure Model
REMI: Regional Economic Models, Inc.
RFP: reasonable further progress
RFP: request for proposal
RH: relative humidity
ROAR: Real-time Outdoor Activity Risk
ROG: reactive organic gases
ROP: Rate of Progress
ROS: reactive oxygen species
RRD: respirable road dust
RSD: remote sensing device
RTO: regenerative thermal oxidizer
RTP: regional transportation plan
RV: recreational vehicles
RWC: residential wood combustion
SAFETEA-LU: Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SASS: Spiral Aerosol Speciation Sampler
SB: school buses
SB: Senate Bill
SB375: Senate Bill 375
SBS: sodium bisulfate
SC: source category
SCAQMD: South Coast Air Quality Management District
SCR: selective catalytic reduction
SCS: C-35 Sustainable Community Strategy
SFM: State Fire Marshall
SIP: state implementation plan
SJV: San Joaquin Valley
SJVAB: San Joaquin Valley Air Basin
SLAM: State & Local Air monitoring System
SMAQMD: Sacramento Metropolitan Air Quality Management District

SMAT: Speciated Modeled Attainment Test
SMS: Smoke Management System
SO₂: sulfur dioxide
SO₃: sulfur trioxide
SOA: secondary organic aerosol
SORE: small off-road engines
SO_x: oxides of sulfur
Study Agency: San Joaquin Valleywide Air Pollution Study Agency
SUV: sport utility vehicles
SWCV: Solid Waste Collection Vehicle
TAC: toxic air contaminant
TCM: transportation control measure
TDM: transportation demand management
TOR: thermal optical reflectance
TOT: thermal optical transmittance
Tpd: tons per day
Tpy: tons per year
TRU: transport refrigeration unit
TSD: technical support document
TSM: transportation system management
TSP: total suspended particulates
UB: urban buses
UCD-CIT: University of California/ California Institute of Technology
UCSF: University of California San Francisco
UFP: ultrafine particles
µg/m³: micrograms per cubic meter
UHI: urban heat island
ULNB: ultra-low NO_x burner
USDA: United States Department of Agriculture
USDA-ARS: United States Department of Agriculture-Agricultural Research Service
USG: Unhealthy for Sensitive Groups
UTV: utility terrain vehicles
Valley: San Joaquin Valley
VCAPCD: Ventura County Air Pollution Control District
VDE: visible dust emissions
VDT: vehicle daily trips
VIP: Voucher Incentive Program
VMT: vehicle miles traveled
VOC: volatile organic compounds
VSL: value of a statistical life
WFU: Wildland Fire Use
WOE: Weight of Evidence
WTP: willingness to pay
XRF: X-ray fluorescence
ZEB: zero-emission bus
ZEV: zero-emission vehicle