

Acronyms

ACRONYMS, ABBREVIATIONS, AND INITIALISMS

AADT: annual average daily trips
AB: Assembly Bill
ACC: Advanced Clean Cars
ACT: Alternative Control Techniques
AEO: annual energy outlook
AERO: Advanced Emission Reduction Options
AFO: animal feeding operation
AIP: achieved in practice
AMI: acute myocardial infarction
AMP: air monitoring program
AMR: annual monitoring report
AO: agricultural operations
APCD: Air Pollution Control District
APCO: Air Pollution Control Officer
AQ: air quality
AQI: Air Quality Index
AQIP: Air Quality Improvement Program
AQMD: Air Quality Management District
AQS: Air Quality System
ARB: California Air Resources Board
ATCM: Airborne Toxic Control Measure
BACM: Best Available Control Measure
BACT: Best Available Control Technology
bhp: brake horsepower
BMP: best management practice
BTU: British Thermal Units
CAA: Clean Air Act
CCAQS: Central California Air Quality Studies
CCDAQ: Clark County Department of Air Quality
CDFA: California Department of Food and Agriculture
CE: cost effectiveness
CEC: California Energy Commission
CE-CERT: University of California, Riverside College of Engineering - Center for Environmental Research and Technology
CEIDARS: California Emission Inventory Development and Reporting System
CEMS: Continuous Emissions Monitoring System
CEPAM: California Emissions Projection Analysis Model
CFR: Code of Federal Regulations
CGYM: Clean Green Yard Machine

CH&SC: California Health and Safety Code
CM: control measures
CMAQ: Community Multi-Scale Air Quality
CMP: Conservation Management Practice
CNG: compressed natural gas
CO: carbon monoxide
CO₂: carbon dioxide
CPRC: California Public Resources Code
CRF: capital recovery factor
CRPAQS: California Regional Particulate Air Quality Study
CSUF: California State University, Fresno
CTG: Control Techniques Guidelines
CVP: Central Valley Project
CVRP: Clean Vehicle Rebate Project
DAC: direct annual costs
DC: direct capital (costs)
DERA: Diesel Emission Reductions Act
DI: direct installation (cost)
DF: deposition fraction
District: San Joaquin Valley Air Pollution Control District
DMV: Department of Motor Vehicles
DOF: Department of Finance
DOGGR: California Department of Conservation's Division of Oil, Gas, and Geothermal Resources
DPR: Department of Pesticide Regulation
DV: design value
e-AIM: extended aerosol inorganics model
EC: elemental carbon
EF: emission factor
EFMP: Enhanced Fleet Modernization Program
EMFAC: Emission Factors Model
EPA: U.S. Environmental Protection Agency
ER: emergency room
ERC: emission reduction credits
ESP: electrostatic precipitator
FAF: freight analysis framework
FDEP: Florida Department of Environmental Protection
FEM: federal equivalent method
FG: flare gas
FHWA: Federal Highway Administration
FMMP: Farmland Mapping and Monitoring Program
FMP: Flare Minimization Plan
FR: Federal Register

FRM: Federal Reference Method
FY: fiscal year
GHG: greenhouse gas
GIS: geographic information system
GVWR: gross vehicle weight rating
HC: hydrocarbon
HD: heavy duty
HEPA: high-efficiency particulate arresting (filtration systems)
HHDV: heavy heavy-duty vehicles
HMA: hot-mix asphalt
HRRS: Heath Risk Reduction Strategy
HVIP: Hybrid Truck and Bus Voucher Incentive Program
IAC: indirect annual costs
IC: internal combustion
IEPR: Integrated Energy Policy Report
IMPROVE: Interagency Monitoring of Protected Visual Environments
ISR: indirect source review
kW: kilowatt
kWH: kilowatt-hour
LAER: Lowest Achievable Emission Rate
lb/MMBtu: pounds per million British thermal units of heat output
LDT: light-duty trucks
LHDV: light heavy-duty vehicles
LMA: Land Management Agency
LPG: liquefied petroleum gas
LTO: low temperature oxidation
MACT: maximum achievable control technology
MCF: thousand cubic feet
MCSF: thousand cubic standard feet
MCY: motorcycles
MH: motor homes
MHDV: medium heavy-duty vehicles
MMBtu/hr: million British thermal units per hour
MOZART: Model for Ozone and Related Chemical Tracers
MPO: Metropolitan Planning Organization
MSM: Most Stringent Measure
MSW: municipal solid waste
MW: megawatt
NAAQS: National Ambient Air Quality Standards
NASS: National Agriculture Statistics Service
NESHAP: National Emission Standards for Hazardous Air Pollutants
NG: natural gas
ng/J: nanograms per Joule of heat output

NO: nitrogen oxide
NOx: oxides of nitrogen
NRCS: Natural Resources Conservation Service
NSCR: non-selective catalytic reduction
NSPS: New Source Performance Standard
NSR: New Source Review
NTE: not-to-exceed
OAQPS: Office of Air Quality Planning and Standards (EPA)
OB: other buses
OBD: on board diagnostics
OC: organic carbon
OFP: ozone forming potential
OGV: ocean-going vessels
OMP: operator management plan
OH: hydroxyl radicals
PAH: polycyclic aromatic hydrocarbons
PAN: peroxy acetyl nitrate
PASS: Polluting Automobile Scrap and Salvage
PBW: particle bound water
PCAPCD: Placer County Air Pollution Control District
PEC: purchased equipment costs
PEER: Permit-Exempt Equipment Registration
PERP: Portable Equipment Registration Program
PM: particulate matter
PM0.1: ultrafine particles
PM10: particulate matter that is 10 microns or less in diameter
PM2.5: particulate matter that is 2.5 microns or less in diameter
POA: primary organic aerosols
PPN: particulate protein nitrogen
PSD: particle size distribution
PST: Pacific Standard Time
PTFE: poly tetra fluoro ethylene
PUC: Public Utilities Commission
QA: quality assurance
QC: quality control
RAAN: Real-Time Air Quality Advisory Network
RAP: reclaimed asphalt pavement
RARE: Regional Applied Research Effort
RBS: Risk-Based Strategy
REES: Regional Energy Efficiency Strategy
REHEX: Regional Human Exposure Model
REMI: Regional Economic Models, Inc.
REMOVE: REduce MOtor Vehicle Emissions

RFQ: Request for Qualifications
RFP: Reasonable Further Progress
RH: relative humidity
ROAR: Real-time Outdoor Activity Risk
ROS: reactive oxygen species
RRD: respirable road dust
RRF: relative response factors
RTO: regenerative thermal oxidizer
RV: recreational vehicles
SA: stationary aggregated
SANDWICH: sulfate, adjusted nitrate, derived water, inferred carbonaceous material
balance approach
SB: school buses
SB: Senate Bill
SBA: small business assistance
SBCAPCD: Santa Barbara County Air Pollution Control District
SC: source category
SCAQMD: South Coast Air Quality Management District
SCR: selective catalytic reduction
SIP: State Implementation Plan
SJV: San Joaquin Valley
SJVAPCD: San Joaquin Valley Air Pollution Control District
SJVUAPCD: San Joaquin Valley Unified Air Pollution Control District
SMAQMD: Sacramento Metropolitan Air Quality Management District
SMAT: Speciated Modeled Attainment Test
SMS: Smoke Management System
SNCR: selective non-catalytic reduction
SOA: secondary organic aerosol
SORE: small off-road engines
SOx: oxides of sulfur
TAC: toxic air contaminant
TCI: total capital investments
TOC: total organic compounds
TOG: total organic gases
Tpd: tons per day
Tpy: tons per year
TRU: transport refrigeration unit
TSD: technical support document
TSM: total selective metals
UB: urban buses
UCSF: University of California, San Francisco
UFP: ultrafine particles
US: United States

USDA: United States Department of Agriculture
USDA-ARS: United States Department of Agriculture-Agricultural Research Service
USG: unhealthy for sensitive groups
Valley: San Joaquin Valley
VCAPCD: Ventura County Air Pollution Control District
VDE: visible dust emissions
VMT: vehicle miles traveled
VOC: volatile organic compounds
WAAQS: web-based archived air quality system
WOE: Weight of Evidence
WMA: warm-mix asphalt
WWTP: wastewater treatment plan
XRF: X-ray fluorescence
ZEV: zero-emission vehicle
 $\mu\text{g}/\text{m}^3$: micrograms per cubic meter