



CalEEMod
California Emissions Estimator Model

Appendix B Acronym List

Prepared for:
**California Air Pollution Control Officers Association
(CAPCOA)**

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List of Acronyms

| | |
|-------------------|---|
| .csv | comma-separated value file |
| .pdf | portable document format file |
| .xls | Excel file |
| A | Accountability |
| AB | Assembly Bill |
| A/C | air conditioning |
| ACM | alternative calculation method |
| AF | acre feet |
| AP-42 | compilation of air pollutant emission factors by USEPA |
| APCD | air pollution control district |
| APG | Adaptation Planning Guide |
| API | application programming interface |
| AWWA | American Water Works Association |
| BIPOC | Black, Indigenous, and People Of Color |
| BMP | best management practice |
| BOD | biochemical oxygen demand |
| BTU | British thermal unit |
| C | carbon |
| CAAQS | California ambient air quality standards |
| CAFE | corporate average fuel economy |
| CalEEMod | California Emissions Estimator Model |
| Cal OES | California Governor's Office of Emergency Services |
| CalRecycle | California Department of Resources Recycling and Recovery |
| Caltrans | California Department of Transportation |
| CAPCOA | California Air Pollution Control Officers Association |
| CARB | California Air Resources Board |
| CBO | community-based organization |
| CCD | Community-Centered Development |
| C.C.R. | California Code of Regulations |
| CDC | Centers for Disease Control and Prevention |
| CE | Construction Equity |
| CEC | California Energy Commission |
| CEQA | California Environmental Quality Act |
| CES | CalEnviroScreen® 4.0 |
| CEUS | California Commercial End-Use Survey |
| CH ₄ | methane |
| CHP | combined heat and power |
| CNG | compressed natural gas |
| CPUC | California Public Utilities Commission |
| CO | carbon monoxide |
| CO ₂ | carbon dioxide |
| CO ₂ e | carbon dioxide equivalent |
| CoSMos | Costal Storm Modeling System |
| CSTDM | California Statewide Travel Demand Model |
| DE | destruction efficiency |
| DOC | degradable organic carbon |
| DPF | diesel particulate filter |

| | |
|-----------------|---|
| DU | dwelling unit |
| DWR | California Department of Water Resources |
| EDFZ | electricity demand forecast zone |
| EF | emission factor |
| EIA | United States Energy Information Administration |
| EIR | environmental impact report |
| EMFAC | on-road vehicle emission factors model |
| Energy Code | Building Energy Efficiency Standards |
| ET ₀ | reference evapotranspiration |
| ETW | equivalent test weight |
| ETWU | estimated total water use |
| ft ³ | cubic feet |
| g | gram |
| G2 | 2-stroke gasoline |
| G4 | 4-stroke gasoline |
| gal | gallon |
| GHG | greenhouse gas |
| GIF | Geospatial Innovation Facility |
| g/L | grams per liter |
| GWP | global warming potential |
| ha | hectare |
| Handbook | Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity |
| HFC | hydrofluorocarbons |
| HHDT | heavy-heavy duty trucks |
| HHS | U.S. Department of Health and Human Services |
| HHV | higher heating value |
| H-O | home-other |
| hp | horsepower |
| hp-hr | horsepower hour |
| HPI | Healthy Places Index |
| hr | hour |
| H-S | home-shop |
| HVAC | heating, ventilating, and air conditioning |
| H-W | home-work |
| IC | Inclusive Communities |
| ICARP | Integrated Climate Adaptation and Resiliency Program |
| IE | Inclusive Engagement |
| in | inches |
| IPCC | Intergovernmental Panel on Climate Change |
| ITE | Institute of Transportation Engineers |
| KBTU | thousand British thermal units |
| kg | kilograms |
| KSF | thousand square feet |
| kW | kilowatt |
| kWh | kilowatt hour |
| L | liters |
| LA | landscape area |
| lb | pounds |
| LDA | light-duty auto |
| LDT1 | light-duty truck type 1 |

| | |
|-------------------|--|
| LDT2 | light-duty truck type 2 |
| LGBTQIA+ | Lesbian, gay, bisexual, transgender, queer and questioning, intersex, asexual, and other gender identities |
| LFM | landfill methane |
| LGOP | Local Government Operation Protocol |
| m | meter |
| m ² | square meters |
| MAWA | maximum applied water allowance |
| mg | milligrams |
| MG | million gallons |
| MHDT | medium-heavy duty trucks |
| mi | mile |
| mm | millimeters |
| MMBTU | million British thermal units |
| MND | mitigated negative declaration |
| mpg | miles per gallon |
| mph | miles per hour |
| MPO | metropolitan planning organization |
| MRI | Midwest Research Institute |
| m/s | meters per second |
| MSW | mixed solid waste |
| MT | metric tons; 1,000 kilograms |
| MTCE | metric tons carbon equivalent |
| MWEL | Model Water Efficient Landscape Ordinance |
| MWh | megawatt hour |
| MY | model year |
| N ₂ O | nitrous oxide |
| NAAQS | national ambient air quality standards |
| NHTSA | National Highway Traffic and Safety Administration |
| NO | nitric oxide |
| NO ₂ | nitrogen dioxide |
| NOAA | National Oceanic and Atmospheric Administration |
| NO _x | nitrogen oxides |
| NRDC | Natural Resources Defense Council |
| NWL | natural and working lands |
| O ₃ | ozone |
| OBUS | other buses |
| OEHHA | Office of Environmental Health Hazard Assessment |
| OFFROAD | off-road vehicle emission factors model |
| O-O | other-other |
| Pb | lead |
| PF | plant factor |
| PFC | perfluorocarbon |
| PG&E | Pacific Gas and Electric |
| PM | particulate matter |
| PM _{2.5} | particulate matter 2.5 microns in diameter or less |
| PM ₁₀ | particulate matter 10 microns in diameter or less |
| ppm | parts per million |
| R | refrigerants |
| RASS | Residential Appliance Saturation Survey |
| RCEM | Road Construction Emissions Model |

| | |
|-----------------|--|
| RCP | Representative Concentration Pathway |
| R&D | research and development |
| ROG | reactive organic gases |
| RTPA | Regional Transportation Planning Agency |
| SAFE | Safer Affordable Fuel-Efficient Vehicles Rule |
| SB | Senate Bill |
| SCAQMD | South Coast Air Quality Management District |
| scf | standard cubic feet |
| SF ₆ | sulfur hexafluoride |
| SLA | special landscape area |
| SLOAPCD | San Luis Obispo Air Pollution Control District |
| SNAP | Significant New Alternatives Policy |
| sqft | square feet |
| SO ₂ | sulfur dioxide |
| SORE | Small Off-Road Engines Model |
| SO _x | sulfur oxides |
| TAZ | traffic analysis zone |
| TDM | transportation-demand management |
| TOD | transit-oriented development |
| TOG | total organic gases |
| TSP | total suspended particulates |
| UBUS | urban bus |
| USEPA | U.S. Environmental Protection Agency |
| USFS | U.S. Forest Service |
| VMT | vehicles miles traveled |
| VOC | volatile organic compound |
| W-O | work-other |
| WRCC | Western Regional Climate Center |