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16

Abbreviations

ABS	Acrylonitrile butadiene styrene	BSEE	Bureau of Safety and Environmental Enforcement
AC	Air conditioner	BTS	Bureau of Transportation Statistics, U.S. Department of Transportation
ACC	American Chemistry Council	Btu	British thermal unit
AEDT	FAA Aviation Environmental Design Tool	C	Carbon
AEO	Annual Energy Outlook	C&D	Construction and demolition waste
AER	All-electric range	C&EN	Chemical and Engineering News
AF&PA	American Forest and Paper Association	CAAA	Clean Air Act Amendments of 1990
AFEAS	Alternative Fluorocarbon Environmental Acceptability Study	CAFOS	Concentrated Animal Feeding Operations
AFOLU	Agriculture, Forestry, and Other Land Use	CaO	Calcium oxide
AFV	Alternative fuel vehicle	CAPP	Canadian Association of Petroleum Producers
AGA	American Gas Association	CARB	California Air Resources Board
AGR	Acid gas removal	CBI	Confidential business information
AHEF	Atmospheric and Health Effect Framework	C-CAP	Coastal Change Analysis Program
AHRI	Air-Conditioning, Heating, and Refrigeration Institute	CDAT	Chemical Data Access Tool
AIM Act	American Innovation and Manufacturing Act	CEAP	USDA-NRCS Conservation Effects Assessment Program
AISI	American Iron and Steel Institute	CEFM	Cattle Enteric Fermentation Model
ALU	Agriculture and Land Use	CEMS	Continuous emission monitoring system
ANGA	American Natural Gas Alliance	CFC	Chlorofluorocarbon
ANL	Argonne National Laboratory	CFR	Code of Federal Regulations
APC	American Plastics Council	CGA	Compressed Gas Association
API	American Petroleum Institute	CH ₄	Methane
APTA	American Public Transportation Association	CHAPA	California Health and Productivity Audit
AR4	<i>IPCC Fourth Assessment Report</i>	CHP	Combined heat and power
AR5	<i>IPCC Fifth Assessment Report</i>	CI	Confidence interval
AR6	<i>IPCC Sixth Assessment Report</i>	CIGRE	International Council on Large Electric Systems
ARI	Advanced Resources International	CKD	Cement kiln dust
ARMA	Autoregressive moving-average	CLE	Crown Light Exposure
ARMS	Agricultural Resource Management Surveys	CMA	Chemical Manufacturer's Association
ASAE	American Society of Agricultural Engineers	CMM	Coal mine methane
ASLRRRA	American Short-line and Regional Railroad Association	CMOP	Coalbed Methane Outreach Program
ASR	Annual Statistical Report	CMR	Chemical Market Reporter
ASTM	American Society for Testing and Materials	CNG	Compressed natural gas
AZR	American Zinc Recycling	CO	Carbon monoxide
BCEF	Biomass conversion and expansion factors	CO ₂	Carbon dioxide
BEA	Bureau of Economic Analysis, U.S. Department of Commerce	COD	Chemical oxygen demand
BIER	Beverage Industry Environmental Roundtable	COGCC	Colorado Oil and Gas Conservation Commission
BLM	Bureau of Land Management	CONUS	Continental United States
BoC	Bureau of Census	CRF	Common Reporting Format
BOD	Biological oxygen demand	CRM	Component ratio method
BOD5	Biochemical oxygen demand over a 5-day period	CRP	Conservation Reserve Program
BOEM	Bureau of Ocean Energy Management	CSRA	Carbon Sequestration Rural Appraisals
BOEMRE	Bureau of Ocean Energy Management, Regulation and Enforcement	CTIC	Conservation Technology Information Center
BOF	Basic oxygen furnace	CVD	Chemical vapor deposition
BRS	Biennial Reporting System	CWNS	Clean Watershed Needs Survey
		d.b.h	Diameter breast height
		DE	Digestible energy

DESC	Defense Energy Support Center-DoD's Defense Logistics Agency	g	Gram
DFAMS	Defense Fuels Automated Management System	G&B	Gathering and boosting
DGGS	Division of Geological & Geophysical Surveys	GaAs	Gallium arsenide
DHS	Department of Homeland Security	GCV	Gross calorific value
DLA	DoD's Defense Logistics Agency	GDP	Gross domestic product
DM	Dry matter	GEI	Gulfwide Emissions Inventory
DOC	Degradable organic carbon	GHG	Greenhouse gas
DOC	U.S. Department of Commerce	GHGRP	EPA's Greenhouse Gas Reporting Program
DoD	U.S. Department of Defense	GIS	Geographic Information Systems
DOE	U.S. Department of Energy	GJ	Gigajoule
DOI	U.S. Department of the Interior	GOADS	Gulf Offshore Activity Data System
DOM	Dead organic matter	GOM	Gulf of Mexico
DOT	U.S. Department of Transportation	GPG	Good Practice Guidance
DRE	Destruction or removal efficiencies	GRI	Gas Research Institute
DRI	Direct Reduced Iron	GSAM	Gas Systems Analysis Model
EAF	Electric arc furnace	GTI	Gas Technology Institute
EDB	Aircraft Engine Emissions Databank	GWP	Global warming potential
EDF	Environmental Defense Fund	ha	Hectare
EER	Energy economy ratio	HBFC	Hydrobromofluorocarbon
EF	Emission factor	HC	Hydrocarbon
EFMA	European Fertilizer Manufacturers Association	HCFC	Hydrochlorofluorocarbon
EJ	Exajoule	HCFO	Hydrochlorofluoroolefin
EGR	Exhaust gas recirculation	HDDV	Heavy duty diesel vehicle
EGU	Electric generating unit	HDGV	Heavy duty gas vehicle
EIA	Energy Information Administration, U.S. Department of Energy	HDPE	High density polyethylene
EIIP	Emissions Inventory Improvement Program	HF	Hydraulically fractured
EOR	Enhanced oil recovery	HFC	Hydrofluorocarbon
EPA	U.S. Environmental Protection Agency	HFO	Hydrofluoroolefin
EREF	Environment Research & Education Foundation	HFE	Hydrofluoroether
ERS	Economic Research Service	HHV	Higher Heating Value
ETMS	Enhanced Traffic Management System	HMA	Hot Mix Asphalt
EV	Electric vehicle	HMIWI	Hospital/medical/infectious waste incinerator
EVI	Enhanced Vegetation Index	HTF	Heat Transfer Fluid
FAA	Federal Aviation Administration	HTS	Harmonized Tariff Schedule
FAO	Food and Agricultural Organization	HVAE	High Voltage Anode Effects
FAOSTAT	Food and Agricultural Organization database	HWP	Harvested wood product
FAS	Fuels Automated System	IBF	International bunker fuels
FCCC	Framework Convention on Climate Change	IC	Integrated Circuit
FEB	Fiber Economics Bureau	ICAO	International Civil Aviation Organization
FEMA	Federal Emergency Management Agency	ICBA	International Carbon Black Association
FERC	Federal Energy Regulatory Commission	ICE	Internal combustion engine
FGD	Flue gas desulfurization	ICR	Information Collection Request
FHWA	Federal Highway Administration	IEA	International Energy Agency
FIA	Forest Inventory and Analysis	IFO	Intermediate Fuel Oil
FIADB	Forest Inventory and Analysis Database	IGES	Institute of Global Environmental Strategies
FIPR	Florida Institute of Phosphate Research	IISRP	International Institute of Synthetic Rubber Products
FOD	First order decay	ILENR	Illinois Department of Energy and Natural Resources
FOEN	Federal Office for the Environment	IMO	International Maritime Organization
FOKS	Fuel Oil and Kerosene Sales	IPAA	Independent Petroleum Association of America
FQSV	First-quarter of silicon volume	IPCC	Intergovernmental Panel on Climate Change
FSA	Farm Service Agency	IPPU	Industrial Processes and Product Use
FTP	Federal Test Procedure	ITC	U.S. International Trade Commission

ITRS	International Technology Roadmap for Semiconductors	MRLC	Multi-Resolution Land Characteristics Consortium
JWR	Jim Walters Resources	MRV	Monitoring, reporting, and verification
KCA	Key category analysis	MSHA	Mine Safety and Health Administration
kg	Kilogram	MSW	Municipal solid waste
kt	Kiloton	MT	Metric ton
kWh	Kilowatt hour	MTBE	Methyl Tertiary Butyl Ether
LDPE	Low density polyethylene	MTBS	Monitoring Trends in Burn Severity
LDT	Light-duty truck	MVAC	Motor vehicle air conditioning
LDV	Light-duty vehicle	MY	Model year
LEV	Low emission vehicles	N ₂ O	Nitrous oxide
LFG	Landfill gas	NA	Not applicable; Not available
LFGTE	Landfill gas-to-energy	NACWA	National Association of Clean Water Agencies
LHV	Lower Heating Value	NAHMS	National Animal Health Monitoring System
LKD	Lime kiln dust	NAICS	North American Industry Classification System
LLDPE	Linear low density polyethylene	NAPAP	National Acid Precipitation and Assessment Program
LMOP	EPA's Landfill Methane Outreach Program	NARR	North American Regional Reanalysis Product
LNG	Liquefied natural gas	NAS	National Academies of Sciences, Engineering, and Medicine
LPG	Liquefied petroleum gas(es)	NASA	National Aeronautics and Space Administration
LTO	Landing and take-off	NASF	National Association of State Foresters
LULUCF	Land Use, Land-Use Change, and Forestry	NASS	USDA's National Agriculture Statistics Service
LVAE	Low Voltage Anode Effects	NC	No change
M&R	Metering and regulating	NCASI	National Council of Air and Stream Improvement
MARPOL	International Convention for the Prevention of Pollution from Ships	NCV	Net calorific value
MC	Motorcycle	ND	No data
MCF	Methane conversion factor	NE	Not estimated
MCL	Maximum Contaminant Levels	NEH	National Engineering Handbook
MCFD	Thousand cubic feet per day	NEI	National Emissions Inventory
MDI	Metered dose inhalers	NEMA	National Electrical Manufacturers Association
MDP	Management and design practices	NEMS	National Energy Modeling System
MECS	EIA Manufacturer's Energy Consumption Survey	NESHAP	National Emission Standards for Hazardous Air Pollutants
MEMS	Micro-electromechanical systems	NEU	Non-Energy Use
MER	Monthly Energy Review	NEV	Neighborhood Electric Vehicle
MGO	Marine gas oil	NF ₃	Nitrogen trifluoride
MgO	Magnesium oxide	NFI	National forest inventory
MJ	Megajoule	NGL	Natural gas liquids
MLRA	Major Land Resource Area	NID	National inventory of Dams
mm	Millimeter	NIR	National Inventory Report
MMBtu	Million British thermal units	NLA	National Lime Association
MMCF	Million cubic feet	NLCD	National Land Cover Dataset
MMCFD	Million cubic feet per day	NMOC	Non-methane organic compounds
MMS	Minerals Management Service	NMVOC	Non-methane volatile organic compound
MMT	Million metric tons	NMOG	Non-methane organic gas
MMTCE	Million metric tons carbon equivalent	NO	Not occurring
MMT CO ₂ Eq.	Million metric tons carbon dioxide equivalent	NO ₂	Nitrogen dioxide
MODIS	Moderate Resolution Imaging Spectroradiometer	NO _x	Nitrogen oxides
MoU	Memorandum of Understanding	NOAA	National Oceanic and Atmospheric Administration
MOVES	U.S. EPA's Motor Vehicle Emission Simulator model	NOF	Not on feed
MPG	Miles per gallon	NPDES	National Pollutant Discharge Elimination System

NPP	Net primary productivity	PU	Polyurethane
NPRA	National Petroleum and Refiners Association	PVC	Polyvinyl chloride
NRBP	Northeast Regional Biomass Program	PV	Photovoltaic
NRC	National Research Council	QA/QC	Quality Assurance and Quality Control
NRCS	Natural Resources Conservation Service	QBtu	Quadrillion Btu
NREL	National Renewable Energy Laboratory	R&D	Research and Development
NRI	National Resources Inventory	RECs	Reduced Emissions Completions
NSCEP	National Service Center for Environmental Publications	RCRA	Resource Conservation and Recovery Act
NSCR	Non-selective catalytic reduction	RFA	Renewable Fuels Association
NSPS	New source performance standards	RFS	Renewable Fuel Standard
NWS	National Weather Service	RMA	Rubber Manufacturers' Association
OAG	Official Airline Guide	RPA	Resources Planning Act
OAP	EPA Office of Atmospheric Programs	RTO	Regression-through-the-origin
OAQPS	EPA Office of Air Quality Planning and Standards	SAE	Society of Automotive Engineers
ODP	Ozone depleting potential	SAGE	System for assessing Aviation's Global Emissions
ODS	Ozone depleting substances	SAIC	Science Applications International Corporation
OECD	Organization of Economic Co-operation and Development	SAN	Styrene Acrylonitrile
OEM	Original equipment manufacturers	SAR	IPCC Second Assessment Report
OGJ	Oil & Gas Journal	SCR	Selective catalytic reduction
OGOR	Oil and Gas Operations Reports	SCSE	South central and southeastern coastal
OH	Hydroxyl radical	SDR	Steel dust recycling
OMS	EPA Office of Mobile Sources	SEC	Securities and Exchange Commission
ORNL	Oak Ridge National Laboratory	SEMI	Semiconductor Equipment and Materials Industry
OSHA	Occupational Safety and Health Administration	SF ₆	Sulfur hexafluoride
OTA	Office of Technology Assessment	SIA	Semiconductor Industry Association
OTAQ	EPA Office of Transportation and Air Quality	SiC	Silicon carbide
OVS	Offset verification statement	SICAS	Semiconductor International Capacity Statistics
PADUS	Protected Areas Database of the United States	SNAP	Significant New Alternative Policy Program
PAH	Polycyclic aromatic hydrocarbons	SNG	Synthetic natural gas
PCA	Portland Cement Association	SO ₂	Sulfur dioxide
PCC	Precipitate calcium carbonate	SOC	Soil Organic Carbon
PDF	Probability Density Function	SOG	State of Garbage survey
PECVD	Plasma enhanced chemical vapor deposition	SOHIO	Standard Oil Company of Ohio
PET	Polyethylene terephthalate	SSURGO	Soil Survey Geographic Database
PET	Potential evapotranspiration	STMC	Scrap Tire Management Council
PEVM	PFC Emissions Vintage Model	SULEV	Super Ultra Low Emissions Vehicle
PFC	Perfluorocarbon	SWANA	Solid Waste Association of North America
PFPE	Perfluoropolyether	SWDS	Solid waste disposal sites
PHEV	Plug-in hybrid vehicles	SWICS	Solid Waste Industry for Climate Solutions
PHMSA	Pipeline and Hazardous Materials Safety Administration	TA	Treated anaerobically (wastewater)
PI	Productivity index	TAM	Typical animal mass
PLS	Pregnant liquor solution	TAME	Tertiary amyl methyl ether
POTW	Publicly Owned Treatment Works	TAR	IPCC Third Assessment Report
ppbv	Parts per billion (10 ⁹) by volume	TBtu	Trillion Btu
ppm	Parts per million	TDN	Total digestible nutrients
ppmv	Parts per million (10 ⁶) by volume	TEDB	Transportation Energy Data Book
pptv	Parts per trillion (10 ¹²) by volume	TFI	The Fertilizer Institute
PRCI	Pipeline Research Council International	TIGER	Topologically Integrated Geographic Encoding and Referencing survey
PRP	Pasture/Range/Paddock	TJ	Terajoule
PS	Polystyrene	TLEV	Traditional low emissions vehicle
PSU	Primary Sample Unit	TMLA	Total Manufactured Layer Area
		TOW	Total organics in wastewater

TPO	Timber Product Output	VAIP	EPA's Voluntary Aluminum Industrial Partnership
TRI	Toxic Release Inventory	VAM	Ventilation air methane
TSDF	Hazardous waste treatment, storage, and disposal facility	VKT	Vehicle kilometers traveled
TTB	Tax and Trade Bureau	VMT	Vehicle miles traveled
TVA	Tennessee Valley Authority	VOCs	Volatile organic compounds
UAN	Urea ammonium nitrate	VS	Volatile solids
UDI	Utility Data Institute	WBJ	Waste Business Journal
UFORE	U.S. Forest Service's Urban Forest Effects model	WEF	Water Environment Federation
UG	Underground (coal mining)	WERF	Water Environment Research Federation
U.S.	United States	WFF	World Fab Forecast (previously WFW, World Fab Watch)
U.S. ITC	United States International Trade Commission	WGC	World Gas Conference
UEP	United Egg Producers	WIP	Waste-in-place
ULEV	Ultra low emission vehicle	WMO	World Meteorological Organization
UNEP	United Nations Environmental Programme	WMS	Waste management systems
UNFCCC	United Nations Framework Convention on Climate Change	WRRF	Water resource recovery facilities
USAA	U.S. Aluminum Association	WTE	Waste-to-energy
USAF	United States Air Force	WW	Wastewater
USDA	United States Department of Agriculture	WWTP	Wastewater treatment plant
USFS	United States Forest Service	ZEVs	Zero emissions vehicles
USGS	United States Geological Survey		
USITC	U.S. International Trade Commission		

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