

Acronyms and Abbreviations

\$/kWh	dollars per kilowatt-hour
\$MM	millions of dollars
\$/MWh	dollars per megawatt-hour
\$/t	dollars per metric ton
\$/tCO ₂ e	dollars per metric ton of carbon dioxide equivalent
ACEEE	American Council for an Energy Efficient Economy
AEO 2007	<i>Annual Energy Outlook 2007</i>
AEO 2008	<i>Annual Energy Outlook 2008</i>
AES	alternative energy supplier
AEZ	alternative energy zone
AFV	alternative-fuel vehicle
AFW	Agriculture, Forestry, and Waste Management
All	Athena Institute International
AIS	aquatic invasive species
AMI	advanced metering infrastructure
ANL	Argonne National Laboratory
APU	auxiliary power unit
ASAs	Agricultural Security Areas
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
ATRI	American Transportation Research Institute
BACT	best available control technology
BAU	business as usual
Btu	British thermal unit
C	Carbon
C&D	construction and demolition
C&T	cap and trade
CCI	Cross-Cutting Issues
CCS	Center for Climate Strategies
CCSR	carbon capture and storage/sequestration or reuse
CCX	Chicago Climate Exchange
CH ₄	Methane
CHP	combined heat and power
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
COD	commercial operation date
COEE	Centers of Energy Excellence
COLA	combined operating and licensing application
CREP	Conservation Reserve Enhancement Program [USDA]
CRP	Conservation Reserve Program [USDA]
CTIC	Conservation Technology Information Center

DG	distributed generation
DOE	[United States] Department of Energy
DSM	demand-side management
Dth	decatherms
E10	fuel blend of 10% ethanol and 90% gasoline
E85	fuel blend of 85% ethanol and 15% gasoline
EE	energy efficiency
EEERE	[Office of] Energy Efficiency and Renewable Energy [US DOE]
eGRID	Emissions & Generation Resource Integrated Database [US EPA]
EIA	Energy Information Administration [US DOE]
EISA	Energy Independence and Security Act of 2007
EO	energy optimization
EOR	enhanced oil recovery
EOS	energy optimization standard
EPA	[United States] Environmental Protection Agency
ES	Energy Supply
ESCO	energy service company
FACTA	Food, Agriculture, Conservation, and Trade Act of 1990
FEED	front-end engineering and design
FERC	Federal Energy Regulatory Commission
FHWA	Federal Highway Administration
FIA	Forest Inventory and Analysis [USFS]
FJD	First Jurisdiction Deliverer
FRPP	Farm and Ranch Lands Protection Program
g	gram
gal	gallon
GHG	greenhouse gas
GIS	geographic information system
GPO	[United States] Government Printing Office
REET	Greenhouse [gases] Regulated Emissions and Energy [use in] Transportation [model]
Gt	gigatons
GWh	gigawatt-hour [one million kilowatt-hours]
HB	House Bill
HDPE	high-density polyethylene
HFC	hydrofluorocarbon
I&F	inventory and forecast
IECC	International Energy Conservation Code
IGCC	integrated gasification combined cycle
IOGCC	Interstate Oil and Gas Compact Commission
IOU	investor-owned utility
IPCC	Intergovernmental Panel on Climate Change
IPP	independent power provider
IRP	integrated resource planning

ISO	International Standard Organization
ITS	intelligent transportation system
kg	kilogram
kV	kilovolt
kW	kilowatt
kWh	kilowatt-hour
lb	pound
LCA	life-cycle analysis
LDPE	low-density polyethylene
LED	light-emitting diode
LEED	Leadership in Energy and Environmental Design [Green Building Rating System™]
LFG	landfill gas
LFGcost	landfill gas cost model
LFGTE	landfill gas-to-energy
LIEEF	Low-Income and Energy Efficiency Fund
LMOP	Landfill Methane Outreach Program [US EPA]
LPG	liquefied petroleum gas
LRR	low-rolling-resistance [tires]
MAC	[California] Market Advisory Committee
MAEAP	Michigan Agriculture Environmental Assurance Program
MAHB	Michigan Association of Home Builders
MAREC	Michigan Alternative and Renewable Energy Center
MBP	Market-Based Policies
MCAC	Michigan Climate Action Council
MCF	thousand cubic feet
MCCI	Michigan Conservation and Climate Initiative
MCCP	Michigan Climate Challenge Program
MCLs	Michigan Compiled Laws
MDA	Michigan Department of Agriculture
MDEQ	Michigan Department of Environmental Quality
MDELEG	Michigan Department of Energy, Labor and Economic Growth
MDMB	Michigan Department of Management and Budget
MDNR	Michigan Department of Natural Resources
MDOT	Michigan Department of Transportation
MEDC	Michigan Economic Development Corporation
metric ton	1,000 kilograms or 22,051 pounds
MGA	Midwestern Governors Association
MIFFS	Michigan Food & Farming Systems
MISO	Midwest Independent Transmission System Operator
MM	million
MMBtu	million British thermal units
MMtC	million metric tons of carbon

MMtCO ₂	million metric tons of carbon dioxide
MMtCO ₂ e	million metric tons of carbon dioxide equivalent
MPO	metropolitan planning organization
MPSC	Michigan Public Service Commission
MRCSP	Midwest Regional Carbon Sequestration Partnership
MSU	Michigan State University
MSW	municipal solid waste
MUEC	Michigan Uniform Energy Code
MW	megawatt [one thousand kilowatts]
MWh	megawatt-hour [one thousand kilowatt-hours]
N	nitrogen
N ₂ O	nitrous oxide
N/A	not applicable
NASS	National Agricultural Statistics Service [USDA]
NGO	nongovernmental organization
NO _x	oxides of nitrogen
NPV	net present value
NQ	not quantified
NRC	[United States] Nuclear Regulatory Commission
NRCS	Natural Resources Conservation Service [USDA]
NREL	National Renewable Energy Laboratory [US DOE]
NREPA	Natural Resources and Environmental Protection Act
NRI	National Resources Inventory [USDA]
NSR	New Source Review
O&M	operation and maintenance
OEM	original equipment manufacturer
ORNL	Oak Ridge National Laboratory
P2 Loans	[Small Business] Pollution Prevention Loan Program
PA	Public Act
PCORP	Plains CO ₂ Reduction Partnership
PET	polyethylene terephthalate
PFC	perfluororocarbon
PHEV	plug-in hybrid electric vehicle
PLA	polylactic acid
PM	particulate matter
PSD	Prevention of Significant Deterioration
psi	pounds per square inch
PTC	production tax credit
PV	photovoltaic
R&D	research and development
RBEG	Rural Business Enterprise Grant

RCDG	Rural Cooperative Development Grant
RBOG	Rural Business Opportunity Grant
RCI	Residential, Commercial, and Industrial
REC	renewable energy credit
REP	renewable energy payment
RFP	request for proposal
REFIT	renewable energy feed-in tariff
RETAP	Retired Engineers Technical Assistance Program
RFC	[Michigan] Renewable Fuels Commission
RGGI	Northeast Regional Greenhouse Gas Initiative
ROI	return on investment
RPS	renewable portfolio standard
SB	Senate Bill
SO ₂	sulfur dioxide
SRWC	short-rotation woody crop
t	metric ton
TBD	to be determined
tC	metric tons of carbon
tCO ₂ e	metric tons of carbon dioxide equivalent
tCO ₂ e/MWh	metric tons of carbon dioxide equivalent per megawatt-hour
TCR	The Climate Registry
TDR	transfer of development rights
TLU	Transportation and Land Use
TSE	truck-stop electrifications
TTI	Texas Transportation Institute
TWG	Technical Work Group
TWh	terawatt-hours
UIC	underground injection control
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
US DOE	United States Department of Energy
US EPA	United States Environmental Protection Agency
USFS	United States Forest Service [USDA]
VMT	vehicle miles traveled
WARM	Waste Reduction Model [US EPA]
WCI	Western Climate Initiative
WTO	World Trade Organization
yr	year