

ACRONYMS AND INITIALISMS

ac	alternating current
AFV	alternative fuel vehicle
AHTS	Advanced Hydropower Turbine System
AIM	Advanced Industrial Materials Program
ARPA	Advanced Research Projects Agency
ARS	Agricultural Research Service
ATP	Advanced Technology Program
ATS	advanced turbine system
B	billion
BAU	business as usual
bb1	barrel
BES	Basic Energy Sciences
BNL	Brookhaven National Laboratory
BWR	boiling water reactor
CAFE	corporate average fuel economy
CFC	chlorofluorocarbon
CO	carbon monoxide
CRADA	cooperative research and development agreement
CSREES	Cooperative State Research Extension and Education Service
CVT	continuously variable transmission
dc	direct current
DFSS	dedicated feedstock supply system
DISC	direct-injection, stratified-charge
DNA	dioxyribonucleic acid
DOC	Department of Commerce
DOD	Department of Defense
DOE	Department of Energy
DOE/EERE	DOE Office of Energy Efficiency and Renewable Energy
DOT	Department of Transportation
DP	Defense Programs
EE	Energy Efficiency
EPA	U.S. Environmental Protection Agency
EPAct	Energy Policy Act
EPRI	Electric Power Research Institute
ER	Energy Research
EV	electric vehicle
FE	Fossil Energy
FETC	Federal Energy Technology Center
FRA	Federal Railroad Administration
FY	fiscal year
GDP	gross domestic product
GE	General Electric
GHG	greenhouse gas

GHP	geothermal heat pump
GIS	geographic information system
GM	General Motors
GRI	Gas Research Institute
GSA	General Services Administration
GTL	gas to liquids
GW	gigawatt
GWe	gigawatt electric
GWh	gigawatt hour
HCFC	hydrochlorofluorocarbon
HEV	hybrid electric vehicle
HF	HF and sulfuric acid processes
HIPPS	high-efficiency power systems
HSR	high-speed rail
HVAC	heating, ventilating, and air-conditioning
IBS	intelligent building system
IEA	International Energy Agency
IGCC	integrated gasification combined cycle
keV	kiloelectron volt
kW	kilowatt
LEBS	low-emission boiler systems
LIDAR	light detection and ranging
LNG	liquified natural gas
LLNL	Lawrence Livermore National Laboratory
low-E	low-emissivity
LWR	light water reactor
M	million
Maglev	magnetic levitation
Mcf	million cubic feet
MEC	model energy code
MOU	memorandum of understanding
MPG	miles per gallon
MSW	municipal solid waste
MtC	million tonnes of carbon
MW	megawatt
MWe	megawatt electric
MWh	megawatt hour
MWth	megawatt thermal
NASA	National Aeronautics and Space Administration
NCC	National Climate Center
NEXTEA	National Economic Crossroads Transportation Efficiency Act
NIF	National Ignition Facility
NIST	National Institute of Standards and Technology
NMI	National Maglev Initiative
N _{ox}	oxides of nitrogen
NRC	Nuclear Regulatory Commission

NREL	National Renewable Energy Laboratory
NRL	Naval Research Laboratory
NSF	National Science Foundation
OBES	Office of Basic Energy Sciences
OECD	Organization for Economic Cooperation and Development
OIT	Office of Industrial Technologies
OTT	Office of Technology Transfer or Office of Transportation Technology
OUT	Office of Utility Technologies
PEM	proton exchange membrane
PFBC	pressurized fluidized bed combustion
PM	particulate matter
PNGV	Partnership for a New Generation of Vehicles
PPG	Pittsburgh Plate Glass
PRSE	performance/reliability/safety/emissions
PV	photovoltaic
PVMat	Photovoltaics Manufacturing Initiative
PWR	pressurized water reactor
QM	QM 98 study
R&D	research and development
RD&D	research, development, and demonstration
rf	radio frequency
ROI	return on investment
RRC	rolling resistance coefficient
scf	standard cubic feet
Tcf	trillion cubic feet
TDI	turbocharged direct injection
TVA	Tennessee Valley Authority
USDA	U.S. Department of Agriculture
VVC	variable valve control
W_p	Watts of power