

## Acronyms

<b>\$/km</b>	dollars per kilometer	<b>ASCPMM</b>	advanced sensors, controls, platforms and modeling for manufacturing
<b>\$/kWh</b>	dollars per kilowatt-hour	<b>ASAI</b>	average service availability index
<b>\$/MJ</b>	dollars per megajoule	<b>ASTA</b>	Advanced Superconducting Test Accelerator
<b>\$/MMBtu</b>	dollars per million British thermal units	<b>ASTM</b>	American Society for Testing and Materials
<b>3D</b>	3-dimensional	<b>ATF</b>	Accelerator Test Facility
<b>AC</b>	alternating current	<b>ATLAS</b>	Argonne Tandem Linac Accelerator System
<b>ACCEL</b>	Accelerating Competitiveness through Computational Excellence Program	<b>AUSC</b>	advanced ultra-super critical
<b>ACTT</b>	Advanced Computing Tech Team	<b>AV</b>	automated vehicle
<b>AM</b>	additive manufacturing	<b>AWAF</b>	Argonne Wakefield Accelerator Facility
<b>AEO</b>	Annual Energy Outlook (of the EIA)	<b>BAU</b>	business-as-usual
<b>AEP</b>	annual energy production	<b>BECCS</b>	bioenergy with carbon capture and storage
<b>AER</b>	all-electric range	<b>BELLA</b>	Berkeley Lab Laser Accelerator Center
<b>AERI</b>	atmospheric emitted radiance interferometers	<b>BES</b>	U.S. DOE Office of Basic Energy Sciences
<b>AHT</b>	absorption heat transformer	<b>BESAC</b>	Basic Energy Sciences Advisory Committee
<b>AI</b>	aluminum	<b>BESC</b>	BioEnergy Science Center
<b>ALCC</b>	ASCR Leadership Computing Challenge	<b>BGCCS</b>	biomass gasification with carbon capture and sequestration
<b>ALCF</b>	Argonne Leadership Computing Facility	<b>BIPV</b>	building integrated photovoltaics
<b>ALD</b>	atomic layer deposition	<b>BLIP</b>	Brookhaven Linac Isotope Producer
<b>ALS</b>	Advanced Light Source	<b>BNL</b>	Brookhaven National Laboratory
<b>AMI</b>	advanced metering technology	<b>BOEM</b>	Bureau of Ocean Energy Management
<b>AMP</b>	Advanced Manufacturing Partnership	<b>BOP</b>	blowout preventer
<b>ANL</b>	Argonne National Laboratory	<b>BP</b>	British Petroleum
<b>API</b>	American Petroleum Institute	<b>BRCs</b>	Bioenergy Research Centers
<b>APS</b>	Advanced Photon Source	<b>BTO</b>	U.S. Department of Energy Building Technologies Office
<b>APU</b>	auxiliary power unit	<b>BTRIC</b>	Buildings Technology Research and Integration Center
<b>ARM</b>	Atmospheric Radiation Measurement Climate Research Facility	<b>BTS</b>	Billion-Ton Study
<b>ARPA-E</b>	Advanced Research Projects Agency-Energy	<b>Btu</b>	British thermal unit
<b>ARRA</b>	American Reinvestment and Recovery Act		
<b>ASCAC</b>	Advanced Scientific Computing Advisory Committee		



<b>CAES</b>	compressed air energy storage	<b>CO<sub>2</sub>-eq</b>	CO <sub>2</sub> -equivalent global warming potential
<b>CAFÉ</b>	corporate average fuel economy	<b>COE</b>	cost of energy
<b>CAIDI</b>	customer average interruption duration index	<b>COP</b>	crude oil price
<b>CASL</b>	Consortium for the Advanced Simulation of Light Water Reactors	<b>COPV</b>	composite overwrapped pressure vessel
<b>CAVs</b>	connected and automated vehicles	<b>CORAL</b>	Collaboration of Oak Ridge, Argonne, and Livermore
<b>CBO</b>	Congressional Budget Office	<b>CRADA</b>	Collaborative Research and Development Agreement
<b>CBTL</b>	coal and biomass to liquids	<b>CRF</b>	Combustion Research Facility
<b>CBTLE</b>	coal and biomass to liquids and electricity	<b>CSD</b>	compression, storage and dispensing
<b>CBTLE-CCS</b>	coal and biomass to liquids and electricity with carbon capture and sequestration	<b>CSP</b>	concentrating solar thermal power
<b>CC</b>	combined cycle	<b>CSPAD</b>	Cornell-SLAC hybrid Pixel Array Detector
<b>CCE</b>	cost of conserved energy	<b>CT</b>	combustion turbine
<b>CCGT</b>	combined cycle gas turbine	<b>CTL</b>	coal to liquids
<b>CCN</b>	cloud condensation nuclei	<b>CVD</b>	chemical vapor deposition
<b>CCS</b>	carbon capture and storage	<b>CVR</b>	conservation voltage reduction
<b>CCWG</b>	Climate Change Working Group	<b>CXI</b>	Coherent X-ray Imaging
<b>CDF</b>	core damage frequency	<b>D&amp;D</b>	demonstration and deployment
<b>CEBAF</b>	Continuous Electron Beam Accelerator Facility	<b>DARPA</b>	Defense Advanced Research Agency
<b>CERN</b>	European Organization for Nuclear Research	<b>DC</b>	direct current
<b>CESAR</b>	Center for Exascale Simulation of Advanced Reactors	<b>DCV</b>	demand-controlled ventilation
<b>CFD</b>	computational fluid dynamics	<b>DEC</b>	direct energy conversion
<b>CFL</b>	compact florescent light	<b>DG</b>	distributed generation
<b>CFN</b>	Center for Functional Nanomaterials	<b>DHS</b>	U.S. Department of Homeland Security
<b>CFRP</b>	carbon fiber reinforced polymer	<b>DIII-D</b>	DIII-D Tokamak
<b>CH<sub>2</sub></b>	compressed hydrogen storage	<b>DLP</b>	digital light processing
<b>CH<sub>4</sub></b>	methane	<b>DMDII</b>	Digital Manufacturing and Design Innovation Institute
<b>CHHP</b>	combined heat, hydrogen and power	<b>DME</b>	dimethyl ether
<b>CHP</b>	combined heat and power	<b>DMLS</b>	direct metal laser sintering
<b>CI</b>	compression ignition	<b>DMS</b>	distribution management systems
<b>CIGS</b>	Copper-Indium-Gallium-Selenide	<b>DMT</b>	dry metric ton/tonne
<b>CINT</b>	Center for Integrated Nanotechnologies	<b>DMZs</b>	demilitarized zones
<b>CLIC</b>	Compact Linear Collider	<b>DNA</b>	deoxyribonucleic acid
<b>CMI</b>	Critical Materials Institute	<b>DOE</b>	U.S. Department of Energy
<b>CNM</b>	Center for Nanophase Materials Sciences	<b>DOE-EERE</b>	U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy
<b>CO</b>	carbon monoxide	<b>DOE-FE</b>	U.S. Department of Energy's Office of Fossil Energy
<b>CO<sub>2</sub></b>	carbon dioxide	<b>DOE-IE</b>	U.S. Department of Energy's Office of Indian Energy Policy and Programs
<b>CO<sub>2</sub>-EOR</b>	CO <sub>2</sub> Enhanced Oil Recovery		

<b>DOE-NE</b>	U.S. Department of Energy's Office of Nuclear Energy	<b>FACET</b>	Facility for Advanced Accelerator Experimental Tests
<b>DOE-OE</b>	U.S. Department of Energy's Office of Electricity Delivery and Energy Reliability	<b>FACTS</b>	flexible alternating current transmission systems
<b>DOE-SC</b>	U.S. Department of Energy's Office of Science	<b>FASTMath</b>	Frameworks, Algorithms, and Scalable Technologies for Mathematics
<b>DR</b>	demand response	<b>FC</b>	fuel cell
<b>DSM</b>	demand-side management	<b>FCEV</b>	fuel cell electric vehicle
<b>E10</b>	a blend of 10% ethanol and 90% gasoline by volume	<b>FCL</b>	fault current limiter
<b>E85</b>	a blend of 85% ethanol and 15% gasoline by volume	<b>FCV</b>	fuel cell vehicle
<b>EBM</b>	electron beam melting	<b>FDM</b>	fused deposition modeling
<b>EDT</b>	electric drive technologies	<b>FERC</b>	Federal Energy Regulatory Commission
<b>EERE</b>	U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy	<b>FLISR</b>	fault location isolation and service restoration
<b>EFRC</b>	Energy Frontier Research Centers	<b>flops</b>	floating point operations per second
<b>EGS</b>	enhanced geothermal systems	<b>FNAL</b>	Fermi National Accelerator Laboratory
<b>EI</b>	energy intensity	<b>FORGE</b>	Frontier Observatory for Research in Geothermal Energy
<b>EIA</b>	U.S. Energy Information Agency	<b>FRP</b>	fiber-reinforced polymer
<b>ELM</b>	edge-localized mode	<b>F-T</b>	Fischer-Tropsch
<b>EMF</b>	electromagnetic fields	<b>FY</b>	fiscal year
<b>EMIS</b>	electromagnetic isotope separator	<b>g/kWh</b>	grams per kilowatt-hour
<b>EMP</b>	electromagnetic pulse	<b>gal/MWh</b>	gallons per megawatt-hour
<b>EMS</b>	energy management system	<b>GaN</b>	gallium nitride
<b>EMSL</b>	Environmental Molecular Sciences Laboratory	<b>Gbps</b>	gigabits per second
<b>EOR</b>	enhanced oil recovery	<b>GCAM</b>	Global Change Assessment Model
<b>EPA</b>	U.S. Environmental Protection Agency	<b>GDP</b>	gross domestic product
<b>EPRI</b>	Electric Power Research Institute	<b>GE</b>	General Electric
<b>ERCOT</b>	Electric Reliability Council of Texas	<b>GeV</b>	gigaelectron volt
<b>EROI</b>	energy return on investment	<b>GFR</b>	gas-cooled fast reactor
<b>ESBWR</b>	Economic Simplified Boiling Water Reactor	<b>gge</b>	gallon of gasoline equivalent
<b>ESIF</b>	Energy Systems Integration Facility	<b>GHG</b>	greenhouse gas
<b>ESM</b>	Earth System Model	<b>GLBRC</b>	Great Lakes Bioenergy Research Center
<b>ESNet</b>	Energy Sciences Network	<b>GMD</b>	geomagnetic disturbance
<b>EUE</b>	expected unserved energy	<b>GPS</b>	global positioning system
<b>eV</b>	electron volt	<b>GSA</b>	U.S. General Services Administration
<b>EV</b>	electric vehicle	<b>GT</b>	gas turbine
<b>EVSE</b>	electric vehicle supply equipment	<b>Gt</b>	gigaton
<b>EWR</b>	enhanced water recovery	<b>GtC</b>	gigaton of carbon
<b>ExaCT</b>	Center for Exascale Simulation of Combustion in Turbulence	<b>GtCO<sub>2</sub></b>	gigaton of carbon dioxide
<b>ExMatEx</b>	Co-design Center for Materials in Extreme Environments	<b>GW</b>	gigawatt
		<b>GWh</b>	gigawatt-hour



<b>GWP</b>	global warming potential	<b>ISO</b>	independent system operator
<b>HC</b>	hydrocarbon	<b>ISO</b>	International Organization for Standardization
<b>HCCI</b>	homogeneous charge compression ignition	<b>IT</b>	information technology
<b>HDV</b>	heavy-duty vehicles	<b>ITER</b>	International Thermonuclear Experimental Reactor
<b>He-3</b>	helium-3	<b>JBEI</b>	Joint Bioenergy Institute
<b>HES</b>	hydrogen energy storage	<b>JCAP</b>	Joint Center for Artificial Photosynthesis
<b>HEV</b>	hybrid electric vehicles	<b>JCESR</b>	Joint Center for Energy Storage Research
<b>HFC</b>	hydrofluorocarbon	<b>JGI</b>	Joint Genome Institute
<b>HFIR</b>	High Flux Isotope Reactor	<b>kBtu</b>	thousand British thermal units
<b>HHV</b>	higher heating value	<b>kBtu/hr</b>	thousand British thermal units per hour
<b>HILF</b>	high-impact, low-frequency	<b>kBtu/sq. ft.</b>	thousand British thermal units per square foot
<b>HPC</b>	high-performance computing	<b>kg</b>	kilogram
<b>HPCEE</b>	High Performance Computer for Energy and the Environment	<b>klm</b>	kilolumen
<b>HPCIC</b>	HPC Innovation Center	<b>kms</b>	kilometers
<b>HT</b>	high temperature	<b>KMWh</b>	thousand megawatt hours
<b>HTS</b>	high-temperature superconductors	<b>kV</b>	kilovolt
<b>HVAC</b>	heating, ventilation, and air conditioning	<b>kW</b>	kilowatt
<b>HVAC</b>	high voltage alternating current	<b>kWh</b>	kilowatt-hour
<b>HVDC</b>	high-voltage direct current	<b>LANL</b>	Los Alamos National Laboratories
<b>IACMI</b>	Institute for Advanced Composites Manufacturing Innovation	<b>LAP</b>	laser-plasma accelerator
<b>IAM</b>	integrated assessment model	<b>LBNL</b>	Lawrence Berkeley National Laboratory
<b>ICE</b>	internal combustion engine	<b>LCA</b>	life-cycle assessment
<b>ICEV</b>	internal combustion engine vehicle	<b>LCI</b>	life-cycle inventory
<b>ICT</b>	information and communications technologies	<b>LCIA</b>	life-cycle impact assessment
<b>IDPRA</b>	Isotope Development and Production for Research and Applications subprogram	<b>LCLS</b>	Linac Coherent Light Source
<b>IEA</b>	International Energy Agency	<b>LCLS-II</b>	Linac Coherent Light Source-II
<b>IEEE</b>	Institute of Electrical and Electronics Engineers	<b>LCOD</b>	levelized cost of driving
<b>IGCC</b>	integrated gasification combined cycle	<b>LCOE</b>	levelized cost of electricity
<b>IGSM</b>	Integrated Global Systems Model	<b>LDV</b>	light-duty vehicles
<b>ILC</b>	International Linear Collider	<b>LED</b>	light-emitting diode
<b>ILL</b>	Institut Laue-Langevin	<b>LFR</b>	lead-cooled fast reactor
<b>INCITE</b>	Innovative and Novel Computational Impact on Theory and Experiment	<b>LHC</b>	Large Hadron Collider
<b>INL</b>	Idaho National Laboratory	<b>LHV</b>	lower heating value
<b>IOR</b>	improved oil recovery	<b>Li/LMRNMC</b>	lithium metal batteries with lithium- and manganese-rich high-energy cathode
<b>IPCC</b>	Intergovernmental Panel on Climate Change	<b>LIFT</b>	Lightweight Innovations for Tomorrow Consortium
<b>IPF</b>	Isotope Production Facility	<b>Li-ion</b>	lithium-ion
		<b>LLNL</b>	Lawrence Livermore National Laboratory
		<b>lm/W</b>	lumens per watt

<b>LMD</b>	laser metal deposition	<b>NEA</b>	Nuclear Energy Agency of the OECD
<b>LMRNMC</b>	lithium- and manganese-rich high-energy cathode	<b>NERC</b>	North American Electric Reliability Corporation
<b>LNG</b>	liquefied natural gas	<b>NERSC</b>	National Energy Research Scientific Computing Center
<b>LOLP</b>	loss of load probability	<b>NETL</b>	National Energy Technology Laboratory
<b>LOM</b>	laminated object manufacturing	<b>NiMH</b>	nickel-metal hydride
<b>LPA</b>	laser-plasma accelerator	<b>NIR</b>	near-infrared
<b>LPG</b>	liquefied petroleum gas	<b>NIST</b>	National Institute of Standards and Technology
<b>LPTs</b>	large power transformers	<b>NNI</b>	National Nanotechnology Initiative
<b>LTC</b>	low-temperature combustion	<b>NNSA</b>	U.S. National Nuclear Security Administration
<b>LUEI</b>	land use energy intensity	<b>NOx</b>	nitrogen oxides
<b>LWR</b>	light water reactors	<b>NPC</b>	National Petroleum Council
<b>M&amp;V</b>	measurement and verification	<b>NRC</b>	U.S. Nuclear Regulatory Commission
<b>MCFC</b>	molten carbonate fuel cell	<b>NREL</b>	National Renewable Energy Laboratory
<b>MDF</b>	Materials Demonstration Facility	<b>NSF</b>	National Science Foundation
<b>MDF</b>	Manufacturing Demonstration Facility	<b>NSLS-II</b>	National Synchrotron Light Source-II
<b>MDV</b>	medium-duty vehicles	<b>NSRCs</b>	Nanoscale Science Research Centers
<b>MEA</b>	membrane electrode loading	<b>NSTX-U</b>	National Spherical Torus Experiment
<b>MEL</b>	miscellaneous electric loads	<b>NSUF</b>	Nuclear Scientific User Facilities
<b>MESP</b>	minimum ethanol selling price	<b>NTRC</b>	National Transportation Research Center
<b>Mg</b>	magnesium	<b>O&amp;M</b>	operations and maintenance
<b>MGI</b>	Materials Genome Initiative for Global Competitiveness	<b>OE</b>	U.S. Department of Energy, Office of Electricity Delivery and Energy Reliability
<b>MHK</b>	marine and hydrokinetic	<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>MIT</b>	Massachusetts Institute of Technology	<b>OG&amp;E</b>	Oklahoma Gas & Electric
<b>MITEI</b>	Massachusetts Institute of Technology Energy Initiative	<b>OLCF</b>	Oak Ridge Leadership Computing Facility
<b>MJM</b>	multi-jet modeling	<b>OLED</b>	organic light-emitting diode
<b>MMT</b>	million metric ton/tonne	<b>ORNL</b>	Oak Ridge National Laboratory
<b>MOF</b>	metal organic framework	<b>OT</b>	operational technology
<b>MON</b>	motor octane number	<b>PAFC</b>	phosphoric acid fuel cell
<b>MOSFET</b>	metal-oxide-semiconductor field-effect transistor	<b>PBIH</b>	powder bed and inkjet head
<b>MOSIS</b>	Silicon Metal Oxide Semiconductor Implementation System	<b>PC</b>	pulverized coal
<b>MRI</b>	magnetic resonance imaging	<b>PCCI</b>	pre-mixed charge compression ignition
<b>MT</b>	metric ton/tonne	<b>PCT</b>	programmable communicating thermostat
<b>MV</b>	medium voltage		
<b>MW</b>	megawatt		
<b>MWe</b>	megawatt electric		
<b>MWh</b>	megawatt-hour		
<b>NAS</b>	National Academy of Sciences		
<b>NaS</b>	sodium sulfur		
<b>NASA</b>	National Aeronautics and Space Administration		
<b>NCNR</b>	NIST Center for Neutron Research		



<b>PEC</b>	photoelectrochemical	<b>RDD&amp;D</b>	research, development, demonstration, and deployment
<b>PEMFC</b>	polymer electrolyte membrane fuel cell	<b>REACT</b>	Rare Earth Alternatives in Critical Technologies for Energy
<b>PEV</b>	plug-in electric vehicle	<b>RESU</b>	residential energy storage unit
<b>pflops</b>	petaflops	<b>RF</b>	radiofrequency
<b>PFSA</b>	perfluorosulfonic acid	<b>RHIC</b>	Relativistic Heavy Ion Collider
<b>PFTE</b>	polytetrafluoroethylene	<b>RIAM</b>	regional integrated assessment model
<b>PGM</b>	platinum group metals	<b>RICE</b>	reciprocating internal combustion engine
<b>PHEV</b>	plug-in hybrid electric vehicle	<b>RNA</b>	ribonucleic acid
<b>PHS</b>	pumped hydro storage	<b>ROI</b>	return on investment
<b>PI</b>	process intensification	<b>RON</b>	research octane number
<b>PJM</b>	Pennsylvania, New Jersey and Maryland Regional Transmission Operator	<b>ROZ</b>	residual oil zones
<b>PM</b>	particulate matter	<b>Ru</b>	ruthenium
<b>PM<sub>10</sub></b>	particulate matter less than 10 micrometers in diameter	<b>SAIDI</b>	system average interruption duration index
<b>PM<sub>2.5</sub></b>	particulate matter less than 2.5 micrometers in diameter	<b>SAIFI</b>	system average interruption frequency index
<b>PMU</b>	phasor measurement units	<b>SANS</b>	small angle neutron scattering
<b>PNNL</b>	Pacific Northwest National Laboratory	<b>SC</b>	U.S. DOE Office of Science
<b>Poly/Comp</b>	polymer composites	<b>SCADA</b>	supervisory control and data acquisition
<b>POTW</b>	publicly owned treatment work	<b>SC-ASCR</b>	U.S. DOE Office of Advanced Scientific Computing
<b>PP</b>	plaster-based 3D printing	<b>SC-BER</b>	U.S. DOE Biological and Environmental Research Program
<b>PPPL</b>	Princeton Plasma Physics Laboratory	<b>SC-BES</b>	U.S. DOE Office of Basic Energy Science
<b>PQ</b>	power quality	<b>SCC</b>	social cost of carbon
<b>PUE</b>	power use effectiveness	<b>SC-FES</b>	U.S. DOE Office of Fusion Energy Science
<b>PV</b>	photovoltaic	<b>SC-HEP</b>	U.S. DOE Office of High Energy Physics
<b>PWR</b>	pressurized water reactor	<b>SciDAC</b>	Scientific Discovery through Advanced Computing
<b>QCD</b>	quantum chromodynamics	<b>SC-NP</b>	U.S. DOE Office of Nuclear Physics
<b>QER</b>	Quadrennial Energy Review	<b>sCO<sub>2</sub></b>	supercritical carbon dioxide
<b>QOOH</b>	hydroperoxyalkyl	<b>SDAV</b>	scalable data management, analysis and visualization
<b>QTR</b>	Quadrennial Technology Review	<b>SEP</b>	Superior Energy Performance Program
<b>quad</b>	quadrillion British thermal units	<b>SFR</b>	sodium-cooled fast reactor
<b>QUEST</b>	Quantification of Uncertainty in Extreme Scale Computations	<b>SGIG</b>	Smart Grid Investment Grant Program
<b>R&amp;D</b>	research and development	<b>SHS</b>	selective heat sintering
<b>R2R</b>	roll-to-roll	<b>Si</b>	silicon
<b>RAP</b>	resilience analysis process	<b>SI</b>	spark ignition
<b>RC</b>	Rankine cycle engine		
<b>RCCI</b>	reactivity controlled compression ignition		
<b>RCSP</b>	Regional Carbon Sequestration Partnerships		
<b>RD&amp;D</b>	research, development, and demonstration		

<b>Si/LMRNMC</b>	lithium- and manganese-rich high-energy cathode with silicon alloy anodes	<b>TWh/year</b>	terawatt-hours per year
<b>SiC</b>	silicon carbide	<b>UC</b>	unit of capacity
<b>SIEGate</b>	Secure Information Exchange Gateway	<b>UCC</b>	ultra-conductive copper
<b>SLA</b>	stereolithography	<b>UCPTE</b>	Union for the Coordination of Production and Transmission of Electricity
<b>SLAC</b>	SLAC National Accelerator Laboratory	<b>UE</b>	unit of energy
<b>SLS</b>	selective laser sintering	<b>UNF</b>	used nuclear fuel
<b>SMES</b>	superconducting magnetic energy storage	<b>UNFCCC</b>	United Nations Framework Convention on Climate Change
<b>SMR</b>	small modular reactors	<b>UOG</b>	unconventional oil and gas
<b>SMR</b>	steam methane reforming	<b>URCI</b>	universal remote circuit interrupter
<b>SNCR</b>	selective non-catalytic reduction	<b>USB</b>	universal serial bus
<b>SNL</b>	Sandia National Laboratory	<b>USDA</b>	U.S. Department of Agriculture
<b>SNS</b>	Spallation Neutron Source	<b>USGS</b>	U.S. Geological Survey
<b>SO<sub>2</sub></b>	sulfur dioxide	<b>UV</b>	ultraviolet
<b>SOC</b>	state-of-charge	<b>V&amp;V</b>	verification and validation
<b>SOFC</b>	solid oxide fuel cell	<b>V2B</b>	vehicle-to-building
<b>SO<sub>x</sub></b>	sulfur oxides	<b>V2G</b>	vehicle-to-grid
<b>SPP</b>	Strategic Partnership Projects	<b>V2I</b>	vehicle-to-infrastructure
<b>SRF</b>	superconducting radio frequency	<b>V2V</b>	vehicle-to-vehicle
<b>SSDT</b>	solid state distribution transformer	<b>VAR</b>	volt-ampere reactive
<b>SSRLS</b>	Stanford Synchrotron Radiation Light Source	<b>VERA</b>	Virtual Environment for Reactor Application
<b>SST</b>	solid-state transformer	<b>VFD</b>	variable frequency drive
<b>ST</b>	steam turbine	<b>VOC</b>	volatile organic carbon
<b>STP</b>	set top boxes (for TVs)	<b>VOCs</b>	volatile organic compounds
<b>SubTER</b>	Subsurface Technology and Engineering Research	<b>VVO</b>	volt/volt ampere reactive optimization
<b>SUPER</b>	Institute for Sustained Performance, Energy, and Resilience	<b>W/kg</b>	watts per kg
<b>T&amp;D</b>	transmission and distribution	<b>WACC</b>	weighted average capital cost
<b>TB</b>	terabyte	<b>WAG</b>	water-alternating-gas
<b>TBtus</b>	trillion British thermal units	<b>WBG</b>	wide bandgap
<b>TCEP</b>	Texas Clean Energy Project	<b>Wh/kg</b>	watt-hours per kg
<b>Tcf</b>	trillion cubic feet	<b>Wh/l</b>	watt-hours per liter
<b>TEDF</b>	Technology and Engineering Development Facility	<b>WHP</b>	waste heat to power
<b>TEG</b>	thermoelectric generators	<b>WHR</b>	waste heat recovery
<b>TI</b>	technology innovation	<b>WNUF</b>	Wireless National User Facility
<b>TJNAF</b>	Thomas Jefferson National Accelerator Facility	<b>ZNE</b>	residential zero-net-energy customer
<b>TMF</b>	The Molecular Foundry		
<b>TR</b>	technology roadmapping		
<b>TRLs</b>	Technology Readiness Levels		
<b>TWh</b>	terawatt-hour		