

## LIST OF ACRONYMS AND ABBREVIATIONS

<b>a:</b>	annum (year)
<b>A:</b>	present value of future core losses (\$/watt) (see also <b>B</b> )
<b>AEO:</b>	<i>Annual Energy Outlook</i> , DOE/EIA publication
<b>AL:</b>	aluminum
<b>ANOPR:</b>	advance notice of proposed rulemaking
<b>ANSI:</b>	American National Standards Institute
<b>B:</b>	present value of future coil losses (\$/watt)
<b>BBRS:</b>	Board for Building Regulations and Standards
<b>BC:</b>	bill calculator
<b>B/C:</b>	benefit/cost (ratio)
<b>BEA:</b>	U.S. Bureau of Economic Affairs
<b>BIL:</b>	basic impulse insulation level
<b>BLM:</b>	Bureau of Land Management
<b>BT:</b>	Building Technologies (DOE/EERE)
<b>CAPM:</b>	Capital Asset Pricing Model
<b>CBECS:</b>	Commercial Building Energy Consumption Survey
<b>CEA:</b>	Canadian Electricity Association
<b>CFR:</b>	Code of Federal Regulations
<b>C&amp;I:</b>	commercial and industrial
<b>CO<sub>2</sub>:</b>	carbon dioxide
<b>CSA:</b>	Canadian Standards Association
<b>CSL:</b>	candidate standard level
<b>Cu:</b>	copper

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<b>DL:</b>	design line (followed by a number indicating which design line)
<b>DOE:</b>	U.S. Department of Energy
<b>DOJ:</b>	U.S. Department of Justice
<b>EA:</b>	environmental assessment
<b>EERE:</b>	Energy Efficiency and Renewable Energy (DOE)
<b>EIA:</b>	Energy Information Administration (DOE)
<b>EJ:</b>	exajoule
<b>EO:</b>	Executive Order
<b>ELCAP:</b>	End-Use Load and Consumer Assessment Program
<b>EMM:</b>	Electricity Market Model
<b>EPA:</b>	U.S. Environmental Protection Agency
<b>EPACT 2005:</b>	Energy Policy Act of 2005
<b>EPCA:</b>	Energy Policy and Conservation Act
<b>ERP:</b>	equity risk premium
<b>FEMA:</b>	U.S. Federal Emergency Management Agency
<b>FEMP:</b>	U.S. Federal Energy Management Program
<b>FERC:</b>	U.S. Federal Energy Regulatory Commission
<b>FR:</b>	Federal Register
<b>g:</b>	gram
<b>GDP:</b>	gross domestic product
<b>GRIM:</b>	Government Regulatory Impact Model
<b>GW:</b>	gigawatt
<b>H-O DR:</b>	laser-scribed M3 core steel

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<b>HTS:</b>	high-temperature superconducting
<b>HV:</b>	high-voltage
<b>HVAC:</b>	heating, ventilating, and air-conditioning
<b>Hz:</b>	hertz
<b>I<sup>2</sup>R:</b>	resistance
<b>ID:</b>	load identification
<b>IEEE:</b>	Institute of Electrical and Electronics Engineers, Inc.
<b>IMBUILD:</b>	Impact of Building Energy Efficiency Programs
<b>IMPLAN:</b>	Impact Analysis for Planning
<b>INPV:</b>	industry net present value
<b>IOU:</b>	investor-owned utility
<b>IRFA:</b>	initial regulatory flexibility analysis
<b>J:</b>	joule
<b>kV:</b>	kilovolt
<b>kVA:</b>	kilovolt-ampere (transformer size rating)
<b>kWh:</b>	kilowatt-hour
<b>LBNL:</b>	Lawrence Berkeley National Laboratory
<b>LCC:</b>	life-cycle cost
<b>LF:</b>	load factor
<b>LL:</b>	load losses
<b>LV:</b>	low-voltage
<b>M*:</b>	M2, M3, M4, M6 – thickness of core steel
<b>MIA:</b>	manufacturer impact analysis

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<b>Mt:</b>	million tonnes
<b>MV:</b>	megavolt; also medium-voltage
<b>MVA:</b>	megavolt-amperes
<b>MW:</b>	megawatt
<b>NAICS:</b>	North American Industry Classification System
<b>NCI:</b>	Navigant Consulting, Inc. (formerly Arthur D. Little, Inc.)
<b>NEEP:</b>	Northeast Energy Efficiency Partnership
<b>NEMA:</b>	National Electrical Manufacturers Association
<b>NEMS:</b>	National Energy Modeling System
<b>NEMS-BT:</b>	a variant of NEMS used by DOE/EERE/BT; extends simulation to year 2025
<b>NEMS-BT2:</b>	a version of NEMS-BT that extends simulation to year 2050
<b>NEPA:</b>	National Environmental Policy Act of 1969
<b>NES:</b>	national energy savings
<b>NL:</b>	no-load losses
<b>NOM:</b>	Normas Oficiales Mexicanas (official Mexican standards)
<b>NOPR:</b>	notice of proposed rulemaking
<b>NO<sub>x</sub>:</b>	nitrogen oxides
<b>NPV:</b>	net present value
<b>NRCan:</b>	Natural Resources Canada
<b>NYSERDA:</b>	New York State Energy Research and Development Authority
<b>OEE:</b>	Office of Energy Efficiency
<b>OEM:</b>	original equipment manufacturer
<b>OIRA:</b>	Office of Information and Regulatory Affairs

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<b>OMB:</b>	Office of Management and Budget
<b>OPS:</b>	Optimized Program Service, Inc.
<b>ORNL:</b>	Oak Ridge National Laboratory
<b>PBP:</b>	payback period
<b>PC:</b>	product class
<b>PPI:</b>	producer price index
<b>PRF:</b>	peak responsibility factor
<b>quad:</b>	quadrillion Btu
<b>RIA:</b>	regulatory impact analysis
<b>RMS:</b>	root mean square
<b>RTP:</b>	real-time pricing
<b>SA1:</b>	Metglas amorphous core material
<b>SEC:</b>	Securities and Exchange Commission
<b>SIC:</b>	Standard Industrial Classification
<b>SO<sub>2</sub>:</b>	sulfur dioxide
<b>SMUD:</b>	Sacramento Municipal Utility District
<b>TDM:</b>	tariff data model
<b>TP 1:</b>	NEMA's <i>Guide for Determining Energy Efficiency for Distribution Transformers</i>
<b>TL:</b>	total losses
<b>TMY:</b>	typical meteorological year
<b>TOC:</b>	total owning cost
<b>TOU:</b>	time of use
<b>TSD:</b>	technical support document

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<b>TWh:</b>	terawatt-hour
<b>UL:</b>	Underwriters Laboratories
<b>URL:</b>	uniform resource locator
<b>U.S.C.:</b>	United States Code
<b>V:</b>	volt
<b>W:</b>	watt
<b>Y:</b>	w ye-type transformer terminal connection
<b>ZDMH:</b>	mechanically scribed, deep-domain refined core steel
<b><math>\Phi</math>:</b>	phase