

Wind Energy Acronyms

[Section] 9006	The part of the 2002 Farm Bill that establishes a grant program to help farmers and rural small businesses to buy renewable energy technologies such as small wind	CREB	Clean Renewable Energy Bond
ACE	Area Control Error	CT	Combustion Turbine
ACORE	American Council on Renewable Energy	Ct	Thrust Coefficient
AEP	Annual Energy Production	DEP	Diurnal Energy Production
AGA	American Gas Association	DHS	Department of Homeland Security
AGC	Automatic Generation Control	DOD	Department of Defense
ALM	Active Load Management	DOE	Department of Energy
ANPR	Advance Notice of Proposal Rulemaking	DOT	Department of Transportation
APPA	American Public Power Association	DSCR	Debt Service Coverage Ratio
ASI	Above Sea Level	E10	10% Ethanol
ASOS	Automated Surface Observing System	E85	85% Ethanol
ATC	Available Transfer Capability	ECAR	East Central Area Reliability Coordinating Agreement
AWEA	American Wind Energy Association	EEL	Edison Electric Institute
BA	Balancing Area	EHS	Employee Health & Safety
BACT	Best Available Control Technology	EIR	Environmental Impact Report
Bcf	Billion cubic feet (of gas)	EIS	Environmental Impact Study
BLM	Bureau of Land Management	ELCC	Effective Load-Carrying Capacity
BOP	Balance of Plant	ENSO	El Nino / Southern Oscillation
BPA	Bonneville Power Administration	EPA	Environmental Protection Agency
Btu	British Thermal Unit (1000 Btu = 1 cubic foot of gas)	EPC	Engineering, Procurement, and Construction
BWEC	Bats & Wind Energy Cooperative	EOI	Expression of Interest
CAIR	Clean Air Interstate Rule	ERCOT	Electric Reliability Council of Texas
CAISO	California Independent System Operator	EWEA	European Wind Energy Association
CAMR	Clean Air Mercury Rule	EWTS	European Wind Turbine Standard
CanWEA	Canadian Wind Energy Association	FAA	Federal Aviation Administration
CAPX	Capital Expenditures	FERC	Federal Energy Regulatory Commission
CCGT	Combined Cycle Gas Turbine	FFT	Fast Fourier Transform
CCl ₄	Carbon TetraChloride (an Ozone Depleting Substance)	FRCC	Florida Reliability Coordinating Council
CDEAC	Clean and Diversified Energy Advisory Committee	FTR	Financial Transmission Right
CDF	Computational Fluid Dynamics	GHG	Greenhouse Gas
CEERT	The Center for Energy Efficiency and Renewable Technologies	GL	Germanischer Lloyd (certification body)
CEQA	California Environmental Quality Act	GOES	Geostationary Operations Environmental Satellites
Cf	Cubic foot (of gas)	GPS	Global Positioning System
CF	Capacity Factor	GWEC	Global Wind Energy Council
CFB	Circulating Fluidized Bed	GWh	Gigawatt Hour
CFC	National Rural Utilities Cooperative Finance Corporation	GWP	Global Warming Potential (CO ₂ = 1 and SF ₆ = 22,200)
CFC	ChloroFluoroCarbons (an Ozone Depleting Substance)	Halons	BromoFluoroCarbons (an Ozone Depleting Substance)
CFD	Contract for Differences	HAWT	Horizontal-Axis Wind Turbine
CH ₃ Br	Methyl Bromide (an Ozone Depleting Substance)	HCFC	HydroChloroFluoroCarbons (a greenhouse gas)
CH ₃ CCl ₃	Methyl Chloroform (an Ozone Depleting Substance)	HVDC	High Voltage Direct Current
CH ₄	Methane (1 of 6 Kyoto greenhouse gases)	HFC	Hydro Fluoro Carbons (1 of 6 Kyoto greenhouse gases)
CO ₂	Carbon Dioxide (1 of 6 greenhouse gases)	I&C	Instrumentation and Controls
COD	Commercial Operation Date	IAD	Inter-Annual Variation
CPC	Certificate of Public Convenience	IBL	Internal Boundary Layer
		ICAP	Installed Capacity
		ICT	Independent Coordinator of Transmission
		IE	Independent Engineer
		IEA	International Energy Agency
		IEC	International Electrotechnical Commission

IEEE	Institute of Electrical and Electronics Engineers	NOPR	Notice of Proposed Rulemaking (by the FERC)
IGCC	Integrated Gasification Combined Cycle	NPDES	National Pollutant Discharge Elimination System
IIPP	Injury and Illness Prevention Program	NRECA	National Rural Electric Cooperative Association
INGA	Interstate Natural Gas Association	NREL	National Renewable Energy Laboratory
IRP	Integrated Resource Planning	NWCC	National Wind Coordinating Collaborative
IOU	Investor Owned Utility	NYISO	New York Independent System Operator
IPO	Initial Public Offering	NYSERDA	New York State Energy Research and Development Authority
IPP	Independent Power Producer	O ₃	Ozone (a greenhouse gas)
IRR	Internal Rate of Return	O&M	Operations and Maintenance
ISO	Independent System Operator	OATT	Open Access Transmission Tariff
ITC	Investment Tax Credit (usable up-front by consumers)	ODS	Ozone Depleting Substance
JPO	Joint Program Office	OEM	Original Equipment Manufacturer
kPa	Kilopascals	OPX	Operations Expenditures
kW	Kilowatt	P&L	Profit and Loss
kWh	Kilowatt hour	PCIP	Principal Controlled Insurance Program
LC	Letter of Credit	PDO	Pacific Decadal Oscillation
LD	Liquidated Damages	PEIS	Programmatic EIS
LIDAR	Light Detection and ranging	PFC	PerFluoroCarbons (1 of 6 Kyoto greenhouse gases)
LIOWI	Long Island Offshore Wind Initiative	PIP	Public Involvement Program
LLC	Limited Liability Company	PJM	Pennsylvania-New Jersey-Maryland Interconnection
LLP	Limited Liability Partnership	PM	Periodic Maximum
LNG	Liquid Natural Gas	POT	Peak over Threshold
LOLP	Loss of Load Probability	PPA	Power Purchase Agreement
LOT	Letter of Intent	PPE	Personal Protective Equipment
LOTO	Lockout-Tag out	PSD	Prevention of Significant Deterioration
LPG	Liquid Petroleum Gas	PSI	Pounds per square inch
LTA	Lost Time Accidents	PSIA	PSI absolute
LVRT	Low Voltage Ride-Through	PSIG	PSI gauge
MAAC	Mid-Atlantic Area Council	PSS	Preliminary Scoping Statement
MAIN	Mid-American Interconnected Network	PTC	Production Tax Credit
MAPP	Mid-Continent Area Power Pool	PUC	Public Utilities Commission
Mcf	Thousand cubic feet (of gas)	PUHCA	Public Utilities Holding Company Act
MEP	Monthly Energy Production	PURPA	Public Utility Regulatory Policies Act
METAR	Meteorological Aerodrome Report	PVC	PolyVinylChloride
MISO	Midwest Independent System Operator	QC	Quality Control
MMBtu	Million Btu (equals 1 Mcf gas)	Quad	Quadrillion Btu
MMS	Minerals Management Service	RADAR	Radio Detection and Ranging
MOU	Memorandum of Understanding	RASS	Radio Acoustic Sounding System
MRO	Midwest Reliability Organization	RAWS	Remote Automated Weather System
M/S	Meters Per Second	RD	Rotor Diameter
MTEP	MISO Transmission Expansion Plan	REC	Renewable Energy Credit
MTSA	Master Turbine Supply Agreement	REC	Rural Electric Cooperative
MW	Megawatt	RGGI	Regional Greenhouse Gas Initiative
MWh	Megawatt hour	RIX	Roughness Index
N ₂ O	Nitrous Oxide (1 of 6 Kyoto greenhouse gases)	RMATS	Rocky Mountain Area Transmission Study
NAO	North Atlantic Oscillation	RMR	Reliability – Must-Run
NARR	North American Regional Re-analysis	ROI	Return on Investment
NARUC	National Association of Regulatory Utility Commissioners	ROW	Right of Way
NCEP	National Centers for Environmental Prediction	RPS	Renewables Portfolio Standard
NEPA	National Environmental Policy Act	RRO	Regional Reliability Organization
NESC	National Electrical Safety Code	RTO	Regional Transmission Organization
NESDIS	National Environmental Satellite, Data, and Information Service	QF	Qualifying Facility
NERC	North American Electric Reliability Council	S/S	Substation
NEXRAD	Next Generation Weather Radar	SAR	Synthetic Aperture Radar
NIMBY	Not-IN-My-Back-Yard	SCADA	Supervisory Control And Data Acquisition
NGSA	Natural Gas Supply Association	SD	Standard Deviation
NOx	Nitrogen oxides	SERC	Southeastern Electric Reliability Council

SF ₆	Sulfur HexaFluoride (1 of 6 Kyoto greenhouse gases)	URL	Uniform Resource Locator
SN	Serial Number	USACE	United States Army Corps Engineers
SO ₂	Sulfur Dioxide	USFWS	US Fish & Wildlife Service
SODAR	Sonic Detection and Ranging	UTM	Universal Transverse Mercator
SONAR	Sound Navigation and Ranging	UWIG	Utility Wind Integration Group
SOW	Scope Of Work	VAWT	Vertical-Axis Wind Turbine
SPP	Southwest Power Pool	WAPA	Western Area Power Administration and Western Electricity Coordinating Council
σ	Standard Error	WECC	Western Electricity Coordinating Council
SWCC	Small Wind Certification Council	WFMS	Wind Farm Management System
TCEQ	Texas Council of Environmental Quality	WGA	Western Governors' Association
Tcf	Trillion cubic feet (of gas)	WRA	Wind Resources Area
TI	Turbulence Intensity	WRE	Wind Resource Grid
TSA	Turbine Supply Agreements	WTG	Wind Turbine/Generator
UCAP	Unforced Capacity (a modification of Installed Capacity)		
ξ	Uncertainty		

Source: AWEA 2008