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ABBREVIATIONS, ACRONYMS, AND SYMBOLS

°C	Degrees Celsius
°F	Degrees Fahrenheit
ACK	Nantucket Memorial Airport
AC	Alternating Current
ACEC	Area of Critical Environmental Concern
ADCP	Acoustic Doppler Current Profiler
ACHP	Advisory Council on Historic Preservation
Alliance	Alliance to Protect Nantucket Sound
AMPS	amperes
AMSL	Above Mean Sea Level
ANG	Massachusetts Air National Guard
APE	Area of Potential Effect
APPEs	Areas of Potential Physical Effects
ARNG	Massachusetts Army National Guard
ARPA	Archeological Resource Protection Act
ARTCC	Air route Traffic control Center
ASA	Applied Science Associates, Inc.
ASFMC	Atlantic States Marine Fisheries Commission
ATC	Air Traffic Control
ATON	Additional Aids-to-Navigation
BA	Biological Assessment
BACI	Before Action Control Impact
BIA	Bureau of Indian Affairs
BMPs	Best Management Practices
BO	Biological Opinion
BOS	Boston's Logan Airport
BVW	Bordering Vegetated Wetland
CAA	Clean Air Act
CCCA	Cape Cod Commission Act
CCCT	Combined Cycle Combustion Turbines
CEQ	Council on Environmental Quality
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System
CFR	Code of Federal Regulations
CGP	Construction General Permit
CI	Confidence Interval
C/I	Construction and Installation
CIOS	Cape and Islands Ocean Sanctuary
cm	Centimeters
CMR	Code of Massachusetts Regulations
CO	Carbon Monoxide
CO_2	Carbon Dioxide
CPA	Closest Point of Approach
CPT	Cone Penetrometer Testing
CWA	Clean Water Act
CZM	Coastal Zone Management
CZMA	Coastal Zone Management Act
CZMP	Coastal Zone Management Program
dB	Decibels

dBA	Decibels A-Weighted Scale
dBL	Decibels (Linear)
dB_{ht}	Hearing Threshold Sound Level
DC	Direct Current
DCA	Washington D.C. Reagan National Airport
DO	Dissolved Oxygen
DOD	Department of Defense
DOE	Department of Energy
DOER	Massachusetts Division of Energy Resources
DOI	Department of the Interior
DPA	Designated Port Areas
DPW	Department of Public Works
draft EIS	Draft Environmental Impact Statement
draft EIR	Draft Environmental Impact Report
DRI	Development of Regional Impact
DPU	Department of Public Utilities
DWPC	Division of Water Pollution Control
EERE	Energy Efficiency and Renewable Energy
EEZ	Exclusive Economic Zone
EFH	Essential Fish Habitat
EFHA	Essential Fish Habitat Assessment
EFSB	Massachusetts Energy Facilities Siting Board
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
ELF-EMF	Extremely Low Frequency Electromagnetic Fields
EMF	Electro Magnetic Field
EMF-RAPID	Electric and Magnetic Fields Research and Public Information Dissemination Program
ELMR	Estuarine Living Marine Resources
EMS	Environmental Management System
EOEA	Executive Office of Environmental Affairs
EPAct	Energy Policy Act of 2005
EPRI	Electric Power Research Institute
ER-L	Effects Range-Low
ER-M	Effects Range-Median
ERP	Emergency Response Plan
ES	Electrical Services
ESA	Endangered Species Act
ESP	Electrical Service Platform
ESW	Extreme Storm Wave
ETF	Electric Transmission Facilities
EUIRA	Electric Utility Industry Restructuring Act
EWB	New Bedford Regional Airport
FAA	Federal Aviation Administration
FAD	Fish Attracting Devices
FCC	Federal Communications Commission
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
final EIR	Final Environmental Impact Report
FIRM	Flood Insurance Rate Map
FPM	Flashes Per Minute

FR	Federal Register
ft	Feet
ft^2	Square Feet
ft^3	Cubic Feet
ft/s	Feet per Second
G	Gauss
GE	General Electric
G&G	Geotechnical and Geophysical
GHG	Greenhouse Gas
GMI	Geo-Marine, Inc.
GPS	Global Positioning System
GSA	Geological Survey of Alabama
GW	Giga Watts
GWh	Gigawatt Hour
GWh/y	Gigawatt Hour per Year
HAB	Harmful Algal Bloom
HAPC	Habitat Areas of a Particular Concern
HAPs	Hazardous Air Pollutants
HAZWOPER	Hazardous Waste Operations and Emergency Response
HDD	Horizontal Directional Drilling
HDPE	High Density Polyethylene
HF	High Frequency
HG	Mercury
Horns Rev	Horns Rev Offshore Wind Farm
HRGS	High Resolution Geophysical Survey
HSS	Horseshoe Shoal
HVDC	High Voltage Direct Current
HYA	Hyannis' Boardman-Polando Field
Hz	Hertz
IALA	International Association of Marine Aids to Navigation and Lighthouse Authorities
IARC	International Agency for Research on Cancer
IBA	Important Bird Area
IFR	Instrument Flight Rule
IHA	Incidental Harassment Authorization
ISO-NE	Independent System Operation New England
ITS	Incident Take Statement
KC	Keulagan-Carpenter
kcmil	Thousand Circular Mils
kg	Kilograms
kHz	Kilohertz
km	Kilometers
km^2	Square Kilometers
km/h	Kilometers Per Hour
kV	Kilovolt
kV/m	Kilovolts per meter
kW	Kilowatts
kWhr	Kilowatt Hour
L_{90}	The Level of Noise Exceeded for 90% of the Time
lbs	Pounds
L_{dn}	Day-Night Sound Level

LEDs	Light-Emitting Diodes
LGA	New York LaGuardia Airport
L_{eq}	Equivalent Continuous Noise Level
$L_{eq(24)}$	24-Hour Equivalent Sound Level
L_{max}	Maximum Sound Level
LIPA	Long Island Power Authority
LNG	Liquefied Natural Gas
LOA's	Length Overall
LORAN	Long Range Navigation
LUWW	Land Under Waterbodies and Waterways
m	Meter
m^2	Square Meters
m^3	Cubic Meters
MAFMC	Mid-Atlantic Fishery Management Council
Magnuson-Stevens Act	Magnuson-Stevens Fishery Conservation and Management Act
MARMAP	Marine Resources Monitoring Assessment and Prediction Program
MAS	Massachusetts Audubon Society
MassDEP	Massachusetts Department of Environmental Protection
MassDEP-DWPC	Massachusetts Department of Environmental Protection-Division of Water Pollution Control
MassDMF	Massachusetts Division of Marine Fisheries
MassGIS	Massachusetts Geographic Information System
MassHighway	Massachusetts Highway Department
MATidal	Massachusetts Tidal Energy Company
MBUAR	Massachusetts Board of Underwater Archaeological Resources
MDCR	Massachusetts Department of Conservation and Recreation
MEPA	Massachusetts Environmental Policy Act
MESA	Massachusetts Endangered Species Act
mG	MilliGauss
mg/L	Milligrams Per Liter
M.G.L.	Massachusetts General Law
MHC	Massachusetts Historical Commission
MHD	Massachusetts Historic District
MHW	Mean High Water
MHz	Megahertz
MLLW	Mean Lower Low Water
mm^2	Square Millimeters
mm	Millimeters
MMA	Massachusetts Maritime Academy
MMPA	Marine Mammal Protection Act
MMR	Massachusetts Military Reservation
MMS	Minerals Management Service
MOU	Memorandum of Understanding
mph	Miles Per Hour
MRA	Multiple Resource Area
MRFSS	Maine Recreational Fisheries Statistics Survey
m/s	Meters Per Second
MSA	Metropolitan Statistical Areas
MSD	Marine Sanitation Device
MSL	Mean Sea Level

MTC	Massachusetts Technology Collaborative
MVA	Megavolt amp
MW	Megawatt
NAAQS	National Ambient Air Quality Standards
NAGPRA	Native American Graves Protection and Repatriation Act
NCDC	National Climatic Data Center
NDA	No Discharge Areas
NEFMC	New England Fishery Management Council
NEFSC	New England Fisheries Science Center
NEISO	New England Independent System Operator
NEPA	National Environmental Policy Act of 1969
NEPOOL	New England Power Pool
NGVD	National Geodetic Vertical Datum
NHL	National Historic Landmark
NHESP	Natural Heritage and Endangered Species Program
NHPA	National Historic Preservation Act
NIEHS	The National Institute of Environmental Health Sciences
NIH	National Institute of Health
NMFS	National Marines Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NOAA Fisheries Service	NOAA National Marines Fisheries Service
NOI	Notice of Intent
NO_x	Nitrogen Oxides
NPC	Notice of Project Change
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRCS	National Resources Conservation Service
NRHP	National Register of Historic Places
NSA	Noise Sensitive Area
NTHP	National Trust for Historic Preservation
Nysted	Nysted Offshore Wind Farm
OCS	Outer Continental Shelf
OCSLA	Outer Continental Shelf Lands Act of 1953
O&M	Operation & Maintenance
OPA	Oil Pollution Act of 1990
OSA	Ocean Sanctuaries Act
OSI	Ocean Surveys, Inc.
OSHA	Occupational Safety and Health Administration
OSRP	Oil Spill Response Plan
OTEC	Ocean Thermal Energy Conversion
OWEC	Ocean Wave Energy Converter
PAL	Public Archaeological Laboratory
PCBs	Polycarbonate Biphenyls
PHL	Philadelphia, Pennsylvania
PM	Particulate Matter
PMSA	Primary Metropolitan Statistical Area
ppm	Parts Per Million
ppt	Parts Per Thousand
psi	Per Square Inch
PSP	Paralytic Shellfish Poisoning
PV	Photovoltaic

PVA	Population Viability Analysis
PVC	Polyvinyl Chloride
REC	Renewable Energy Credit
REIDC	Rhode Island Economic Development Corporation
RF	Radio Frequency
RGGI	Regional Greenhouse Gas Initiative
RIDOT	Rhode Island Department of Transportation
RIEDC	Rhode Island Economic Development Corporation
ROD	Record of Decision
ROI	Region of Impact
ROVs	Remote Operated Vehicles
ROW	Right-Of-Way
RPM	Revolutions Per Minute
RPP	Cape Cod Regional Policy Plan
RPS	Renewable Portfolio Standards
RSP05	2005 Regional System Plan
SAR	Search and Rescue
SAV	Submerged Aquatic Vegetation
SCADA	Supervisory Control and Data Acquisition
Seabees	U.S. Navy Construction Battalion
SHF	Super High Frequency
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SMDS	Scientific Measurement Devises Station
SO_2	Sulfur Dioxide
SPCC	Spill Prevention Control and Countermeasure
SSA	Steam Ship Authority
SSCS	Seabed Scour Control System
SWPPP	Storm Water Pollution Prevention Plan
T	Tesla
T&D	Transmission and Distribution
T&E	Threatened and Endangered
The Applicant	Cape Wind Associates, LLC
THPO	Tribal Historic Preservation Officer
TISEC	Tidal In-Stream Energy Conversion
TSS	Total Suspended Solids
TRACON	Terminal Radar Approach Control
TV	Television
TWh	Terawatt Hour
UHF	Ultra High Frequency
U.S.	United States
USACE	U.S. Army Corps of Engineers
USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USDOI	U.S. Department of the Interior
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
V	Volts
VFR	Visual Flight Rules
VHF	Very High Frequency

Vibracores	Vibratory cores
V/m	Volts per meter
VOC	Volatile Organic Compounds
VP	Viewpoint
VTR	Vessel Trip Report
WAMS	Waterways Analysis and Management System
WARP	Wind Amplifier Rotor Platform
WEC	Wave Energy Conversion
WPA	Wetlands Protection Act
WPR	Yarmouth Wetlands Protection Regulations
WQC	Water Quality Certification
WTG	Wind Turbine Generators
WTGHA	Wampanoag Tribe of Gay Head/Aquinnah
XLPE	Cross-Linked Polyethylene
yd^3	Cubic Yard
$\mu g/m^3$	Micrograms Per Cubic Meter
µT	Microtesla