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AAR	Authorized Account Representative
AC	Alternating Current
ACC	Air-Cooled Condenser
acfm	Actual Cubic Feet per Minute
ACOE	Army Corps of Engineers
ADRP	Acid Deposition Reduction Program
AGC	Annual Guideline Concentration
AGL	Above Grade Level
AIHA	American Industrial Hygiene Association
ALOHA	Area Locations of Hazardous Atmospheres
APE	Area of Potential Effect
API	American Petroleum Institute
AQRV	Air Quality Related Values
ASOS	Automated Surface Observing System
AST	Aboveground Storage Tank
ASTM	American Society of Testing Materials
ATR	Automatic Traffic Recorder
AWSC	All-way Stop Controlled
BACT	Best Available Control technology
BEA	U.S. Department of Commerce, Bureau of Economic Analysis
BHP	Brake-Horsepower
BMP	Best Management Practices
BPIP	Building Profile Input Program
CAAA	Clean Air Act Amendments
CARB	California Air Resources Board
CBS UST	Chemical Bulk Storage Database for Underground Storage Tanks
CEA	Critical Environmental Area
CEMS	Continuous Emissions Monitoring System
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CFR	Code of Federal Regulations

CGA	Compatible Growth Area
CH <sub>4</sub>	Methane
cm	Centimeter
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
CORRACTS	Corrective Action Report
CPA	Core Preservation Area
CPB	Central Pine Barrens
CPT	Cone Penetration Test
CT/DB	Combustion Turbine/Duct Burner
CTG	Combustion Turbine Generator
dB	Decibels
dba	Decibels A-weighted
DC	Direct Current
DCS	Distributed Control System
DEIS	Draft Environmental Impact Statement
DLN	Dry Low-NO <sub>x</sub>
ECL	Environmental Conservation Law
EDR	Environmental Data Resources, Inc.
EIS	Environmental Impact Statement
EJ	Environmental Justice
EMF	Electric and Magnetic Fields
EMS	Emergency Medical Services
EPA	United States Environmental Protection Agency
EPM	Environmental Procedures Manual
EPRI	Electrical Power Research Institute
ERC	Emission Reduction Credits
ERNS	Emergency Response Notification System
ERPG-2	Emergency Response Planning Guidelines Level 2
ESA	Environmental Site Assessment
EZPA	Empire Zones Program Act

F	Fahrenheit
FAA	Federal Aviation Administration
FAR	Floor Area Ratio
FERC	Federal Energy Regulatory Commission
FGR	Flue Gas Recirculation
FHWA	Federal Highway Administration
FRES	Fire, Rescue and Emergency Services
ft	Feet
GEP	Good Engineering Practice
GIS	Geographic Information System
gpd	Gallons Per Day
gpm	Gallons Per Minute
GPS	Global Positioning System
g/s	Grams per Second
GWGs	Global Warming Gases
H <sub>2</sub> SO <sub>4</sub>	Sulfuric Acid
HAP	Hazardous Air Pollutant
HCM	Highway Capacity Manual
HCS	Highway Capacity Software
HCL	Hydrochloric Acid
HFCs	Hydrofluorocarbons
HHV	Higher Heating Value
HPS	High-Pressure Sodium
HRS	Heat Recovery Steam Generator
Hz	Hertz
IBC	International Building Code
IES	Illuminating Engineering Society
IPCC	Intergovernmental Panel on Climate Change
IRPA	International Radiation Protection Association
ISCST	Industrial Source Complex Short-Term
ISO	International Organization for Standardization

**Caithness Long Island Energy Center**

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K	Kelvin
km	Kilometer
kV	Kilovolt
LAER	Lowest Achievable Emission Rate
lb/hr	Pound Per Hour
lb/MWh	Pound per Megawatt-hour
LNB	Low-NO <sub>x</sub> Burner
LIE	Long Island Expressway
LINSHA	Long Island North Shore State Heritage Area
LIPA	Long Island Power Authority
LIRR	Long Island Rail Road
LOS	Level of Service
LOCMA	Lower Orange County Metropolitan Area
LQG	Large Quantity Generator
LTANKS	Leaking Storage Tank Incident Reports
LWC	Liquid Water Content
m	Meter
MACT	Maximum Achievable Control Technology
mG	Milligauss
mgd	Million Gallons Per Day
mm	Millimeter
mmBtu/hr	Million British Thermal Units per hour
MMTCE	Million Metric Tons of Carbon Equivalent
m/s	Meters per Second
MOSF	Major Oil Storage Facility
MSDS	Material Safety Data Sheets
MSL	Mean Sea Level
MTA	Metropolitan Transit Authority
MTCDE	Metric Tons of Carbon Dioxide Equivalent
MTCE	Metric Tons of Carbon Equivalent
MW	Megawatt

N <sub>2</sub> O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFPA	National Fire Protection Association
NFRAP	No Further Remedial Action Planned
NH <sub>3</sub>	Ammonia
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NO <sub>x</sub>	Oxides of Nitrogen
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
NRCS	Natural Resources Conservation Service
NRHP	Natural Register of Historic Places
NSPS	New Source Performance Standards
NSR	New Source Review
NWA	National Wilderness Area
NWI	National Wetland Inventory
NWR	National Wildlife Refuge
NWS	National Weather Service
NYAAQS	New York Ambient Air Quality Standards
NYCRR	New York Code of Rules and Regulations
NYISO	New York Independent System Operator
NYSDEC	New York State Department of Environmental Conservation
NYSDOT	New York State Department of Transportation
NYSDPS	New York State Department of Public Service
O&M	Operations and Maintenance
OPRHP	New York State Office of Parks, Recreation & Historic Preservation
OSHA	Occupational Safety and Health Act
PBS	Petroleum Bulk Storage
PCE	Tetrachloroethene

pH	Hydrogen ion concentration
PFCs	Perfluorocarbons
PM-2.5	Microscopic liquid or solid particle with an aerodynamic diameter equal to or less than 2.5 microns
PM-10	Particulate Matter with aerodynamic diameter of 10 microns or less
ppm	Parts Per Million
ppmvd	Parts Per Million Dry Volume
PRCHC	Planned Retirement Congregate Housing
PSD	Prevention of Significant Deterioration
PSC	New York State Public Service Commission
psi	Per Square Inch
PSNS	Pretreatment Standards for New Sources
PTE	Potential-to-Emit
RACT	Reasonably Achievable Control Technology
RBLC	RACT, BACT, LAER Clearinghouse
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
RFP	Request for Proposals
RGGI	Regional Greenhouse Gas Initiative
RIMS	Regional Industrial Multiplier System
ROW	Right-of-Way
SASS	Scenic Areas of Statewide Significance
SCDHS	Suffolk County Department of Health Services
SCDPW	Suffolk County Department of Public Works
SCF	Standard Cubic Foot
SCR	Selective Catalytic Reduction
SCWA	Suffolk County Water Authority
sec/veh	Seconds/vehicle
SEQRA	State Environmental Quality Review Act
SF <sub>6</sub>	Sulfur Hexafluoride
SGC	Short-term Guideline Concentration

SGPA	Special Groundwater Protection Area
SHWS	State Hazardous Waste Sites
SILs	Significant Impact Levels
SIP	State Implementation Plan
SNCR	Selective Non-Catalytic Reduction
SO <sub>2</sub>	Sulfur Dioxide
SO <sub>3</sub>	Sulfur Trioxide
SPCC	Spill Prevention Control and Countermeasure
SPDES	State Pollutant Discharge Elimination System
SPL	Sound Pressure Level
SQG	Small Quantity Generator
SRIS	System Reliability Impact Study
STG	Steam Turbine Generator
STPs	Shovel Test Pits
SWF/LF	Solid Waste Facilities/Landfill Sites
SWPPP	Stormwater Pollution Prevention Plan
SWRCY	Registered Recycling Facility List
SWTIRE	Registered Waste Tire Storage & Facility List
TAGM	Technical and Administrative Guidance Memorandum
TSD	Transportation, Storage, and Disposal
TSP	Total Suspended Particulates
TWSC	Two-way Stop Controlled
UN	United Nations
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tanks
UTM	Universal Transverse Mercator
V/C	Volume/Capacity Ratio
VCP	Voluntary Cleanup Agreements sites

VIA	Visual Impact Assessment
VOC	Volatile Organic Compounds
WSRR	Wild, Scenic and Recreational Rivers
$\mu\text{g}/\text{m}^3$	Microgram per Cubic Centimeter

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