
**DOWNEAST LNG TERMINAL AND PIPELINE PROJECT
DRAFT ENVIRONMENTAL IMPACT STATEMENT
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ACRONYMS AND ABBREVIATIONS

µg/Kg	micrograms per kilogram
AAQS	ambient air quality standards
ABSG	ABSG Consulting Inc.
ACEEE	American Council for an Energy-Efficient Economy
ACHP	Advisory Council on Historic Preservation
Algonquin	Algonquin Gas Transmission, LLC
APA	Atlantic Pilotage Authority
APE	area of potential effect
API	American Petroleum Institute
AQCRs	Air Quality Control Regions
AQRV	Air Quality Related Values
ASMFC	Atlantic States Marine Fisheries Commission
ATV	all-terrain vehicle
ATWS	additional temporary workspace
AZMP	Atlantic Zone Monitoring Program
BA	Biological Assessment
BACT	Best Available Control Technology
BAQ	Bureau of Air Quality
Bcf	billion cubic feet
Bcfd	billion cubic feet per day
BEA	U.S. Bureau of Economic Analysis
bgs	below ground surface
BIA	Bureau of Indian Affairs
BMPs	Best Management Practices
BOG	boil-off gas
Btu	British thermal units
Btu/hr-ft ²	British thermal units per square foot per hour
BUD	Baileyville Utility District
°C	degrees Celsius
CAA	Clean Air Act
Calais LNG	Calais LNG Project Company LLC
Canadian Study	<i>A Study of the Anticipated Impacts from the Development of Liquefied Natural Gas Terminals on Passamaquoddy Bay</i>
CCME	Canadian Council of Ministers of the Environment
CEII	critical energy infrastructure information
CEPA	Canadian Environmental Protection Act
CEQ	Council on Environmental Quality
Certificate	Certificate of Public Convenience and Necessity
CFR	Code of Federal Regulations
CI	compression ignition
CMP	Central Maine Power
CO	carbon monoxide
CO ₂	carbon dioxide
Coast Guard	U.S. Coast Guard

ACRONYMS AND ABBREVIATIONS – Cont’d

COC	Certificate of Compliance
COE	U.S. Army Corps of Engineers
COI	Certificate of Inspection
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
COTP	Captain of the Port
CWA	Clean Water Act
CZMA	Coastal Zone Management Act
CZMP	Coastal Zone Management Program
dB	decibel
dBA	decibels on the A-weighted scale
dBL	decibels on the L-weighted scale
DCS	Distributed Control System
DE	Design Earthquake
DFO	Canadian Department of Fisheries and Oceans
DMA	dynamically managed area
DOD	U.S. Department of Defense
DOT	U.S. Department of Transportation
Downeast LNG	Downeast LNG, Inc.
Downeast Pipeline	Downeast Pipeline, LLC
DPS	Distinct Population Segment
Dth/d	dekatherms per day
DWA	deer wintering areas
ECA	Emission Control Area
ECP	Environmental Control Plan
EEZ	economic exclusion zone
EFH	essential fish habitat
EGAD	Environmental and Groundwater Analysis Database
EI	Environmental Inspector
EIA	Energy Information Administration of the U.S. Department of Energy
EIS	Environmental Impact Statement
El	elevation
EMEC	Eastern Maine Electric Cooperative
EPA	U.S. Environmental Protection Agency
EPAct	Energy Policy Act
ESA	Endangered Species Act
ESD	emergency shutdown
ERP	Emergency Response Plan
°F	degrees Fahrenheit
FEED	Front-End Engineering Design
FEMA	Federal Emergency Management Agency
FERC or Commission	Federal Energy Regulatory Commission
FLAG	Federal Land Managers Air Quality Related Values Workgroup
FMC	Fisheries Management Council
FMP	fisheries management plan
FMSC	Federal Maritime Security Coordinator

ACRONYMS AND ABBREVIATIONS – Cont’d

FPRF	Fire Protection Research Foundation
FR	Federal Register
FSO	Facility Security Officer
FSRU	floating storage and regasification units
FWS	U.S. Fish and Wildlife Service
GAO	U.S. Government Accountability Office
IGC Code	International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk
GBS	gravity based structures
GIS	Geographic Information Systems
gpm	gallons per minute
GWP	global warming potential
HAP	hazardous air pollutant
HC	hydrocarbon
HCA	high consequence area
HDD	horizontal directional drill
HDMS	Hazard Detection and Mitigation System
HFO	heavy fuel oil
HIAAV	heat integrated ambient air vaporizers
HID	high-intensity discharge
HMSC	Huntsman Marine Science Center
hp	horse power
HTF	heat transfer fluid
Hz	hertz
IALA	International Association of Lighthouse Authorities
ICE	internal combustion engines
IMO	International Maritime Organization
Irving	Irving Oil Limited
ISPS	International Ship and Port Facility Security
IUCN	World Conservation Union
IWWH	inland waterfowl and wading bird habitat
JCR	jetty control room
kV	kilovolt
L _{dn}	day-night sound level
L _{eq(24)}	24-hour equivalent sound level
LFL	lower flammability limit
LNG	liquefied natural gas
LOI	Letter of Intent
LOR	Letter of Recommendation
LOS	Level of Service
LPG	liquid petroleum gas
M&NE	Maritimes and Northeast Pipeline L.L.C.
m/s	meter per second
m ³	cubic meters
m ³ /hr	cubic meters per hour

ACRONYMS AND ABBREVIATIONS – Cont’d

MACT	Maximum Available Control Technology
Maine ASC	Maine Atlantic Salmon Commission
Maine BEP	Maine Board of Environmental Protection
Maine DECD	Maine Department of Economic and Community Development
Maine DEP	Maine Department of Environmental Protection
Maine DIFW	Maine Department of Inland Fisheries and Wildlife
Maine DMR	Maine Department of Marine Resources
Maine DOT	Maine Department of Transportation
Maine DWP	Maine Department of Health and Human Services, Division of Environmental Health, Drinking Water Program
Maine NAP	Maine Natural Areas Program
Maine PDES	Maine Pollutant Discharge Elimination System
Maine PUC	Maine Public Utilities Commission
Maine SPO	Maine State Planning Office
MAOP	maximum allowable operating pressure
MARPOL	International Convention for the Prevention of Pollution from Ships
MARSEC	Maritime Security
MBCA	Migratory Birds Convention Act
MBTA	Migratory Bird Treaty Act
MCE	Maximum Considered Earthquake
MCL	Maximum Contaminant Level
MCR	main control room
MDL	method detection limit
MEG	Maximum Exposure Guidelines
Memorandum	Memorandum of Understanding on Natural Gas Transportation Facilities
MEPC 59	59th session of the Marine Environmental Protection Committee
mgd	million gallons per day
MGS	Maine Geological Survey
MLLW	mean lower low water
MLV	mainline valves
MMBtuh	million British thermal units per hour
MMcfd	million cubic feet per day
MMI	Modified Mercalli Intensity
MMPA	Marine Mammal Protection Act
Moosehorn NWR	Moosehorn National Wildlife Refuge
MOPU	mobile offshore production unit
MP	milepost
mph	miles per hour
MRSA	Maine Revised Statute Annotated
MSA	Magnuson-Stevens Fishery Management and Conservation Act
MSL	mean sea level
N ₂ O	nitrous oxide
NAAQS	national ambient air quality standards
NARWC	North Atlantic Right Whale Consortium

ACRONYMS AND ABBREVIATIONS – Cont’d

NEC	National Electrical Code
NEPA	National Environmental Policy Act of 1969
NESHAPs	National Emissions Standards for Hazardous Air Pollutants
NFPA	National Fire Protection Association
NGA	Natural Gas Act
NHCP	New Hampshire Coastal Program
NHPA	National Historic Preservation Act
NOAA Fisheries	National Oceanic and Atmospheric Administration, National Marine Fisheries Service
NOI	Notice of Intent
Northeast Gateway	Northeast Gateway Energy Bridge
NO _x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NRI	National Rivers Inventory
NRPA	Maine Natural Resources Protection Act
NSA	noise sensitive area
NSPS	New Source Performance Standards
NSR	New Source Review
NVIC	Navigation and Vessel Inspection Circular
NWI	National Wetlands Inventory
O ₃	ozone
OBE	operating basis earthquake
OBIS	Ocean Biogeography Information System
OEP	FERC Office of Energy Projects
OGC	EPA Office of General Counsel
OPS	Office of Pipeline Safety
ORPC	Ocean Renewable Power Company
ORV	open rack vaporizer
OSHA	Occupational Safety and Health Administration
OTR	Ozone Transport Region
PAH	polyaromatic hydrocarbon
PAWSA	Ports and Waterways Safety Assessment
Pb	lead
PCB	polychlorinated biphenyl
PCDD	polychlorinated dibenzo-p-dioxin
PCDF	polychlorinated dibenzofuran
PHMSA	Pipeline and Hazardous Materials Safety Administration
PI	Point of Inflection
PIC	person in charge
Plan	Upland Erosion Control, Revegetation and Maintenance Plan
PM	particulate matter
PM ₁₀	particles with an aerodynamic diameter less than or equal to 10 microns

ACRONYMS AND ABBREVIATIONS – Cont’d

PM _{2.5}	particles with an aerodynamic diameter less than or equal to 2.5 microns
PNGTS	Portland Natural Gas Transmission System
ppm	parts per million
Procedures	Wetland and Waterbody Construction and Mitigation Procedures
PSD	Prevention of Significant Deterioration
psi	pounds per square inch
psig	pounds per square inch gauge
PTE	potential to emit
QA/QC	quality assurance/quality control
Quest	Quest Consultants, Inc.
RCRA	Resource Conservation and Recovery Act
Repsol	Repsol Energy North America Corporation
RMP	Risk Management Plan
RMS	root mean square
RO	reverse osmosis
Roadmap	LNG Regulatory Roadmap
RPT	rapid phase transition
RSS	Regional Site Selection
Sandia	Sandia National Laboratories
SARA	Species at Risk Act
SCADA	Supervisory Control and Data Acquisition
SCV	submerged combustion vaporizer
SHPO	Maine State Historic Preservation Office
SILs	Significant Impact Levels
SIP	State Implementation Plan
SIS	Safety Instrumentation System
SO ₂	sulfur dioxide
SOLAS	International Convention for the Safety of Life at Sea
SOPEP	Shipboard Oil Pollution Emergency Plan
SPA	Saguenay Port Authority
SPCC Plan	Spill Prevention, Control and Countermeasure Plan
SRV	shuttle regasification vessel
SSE	safe shutdown earthquake
SSURGO	Soil Survey Geographic (NRCS)
STCW	International Convention Standards of Training, Certification and Watch Keeping for Seafarers
STV	shell and tube vaporizer
SVOC	semivolatile organic compound
SVP	significant vernal pools
SWPPP	Stormwater Pollution Prevention Plan
Tennessee Gas	Tennessee Gas Pipeline
THPO	Tribal Historic Preservation Officer
Tidewalker	Tidewalker Tidal Energy Project
TKN	total Kjeldahl nitrogen
TMP	Transit Management Plan

ACRONYMS AND ABBREVIATIONS – Cont’d

TNA	Three Nation Alliance
TNT	trinitrotoluene
tpy	tons per year
TQM	Trans Quebec and Maritimes
Tractabel	Tractabel LNG North America, L.L.C.
TWWH	tidal waterfowl and wading bird habitat
USCB	U.S. Census Bureau
USC	United States Code
USDA	U.S. Department of Agriculture
VGP	Vessel General Permit
USGS	United States Geological Survey
VOC	volatile organic compound
VSO	Vessel Security Officer
VTS	Vessel Traffic Scheme
WMA	wildlife management area
WPA	wellhead protection area
WSA	Waterway Suitability Assessment
WSR	Waterway Suitability Report
μPa	micro-Pascal