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## **ACRONYMS / ABBREVIATIONS**

%HA	percent highly annoyed
$\Delta$ %HA	change in percent highly annoyed
°C	degrees Celsius
$\mu$ g	microgram
$\mu$ g/m <sup>3</sup>	micrograms per cubic metre
$\mu$ m	micrometre
AAC	annual allowed cut
AAQS	Ambient Air Quality Standards
AC CDC	Atlantic Canada Conservation Data Centre
AC	alternating current
AEA	Ammonia Energy Association
AIS	aquatic invasive species
AML	Atlantic Minerals Limited
ANSI	American National Standards Institute
AoCC	Area of Conservation Concern
AQMP	Air Quality Management Plan
ASA	American Acoustical Society
ASME	American Society of Mechanical Engineers
ASU	air separation unit
ATK	Aboriginal Traditional Knowledge
ATV	all-terrain vehicle
Ap	size of the luminaire
BACT	Best Available Control Technology
BMP	Best Management Practice



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Bn	billion
BSA	Baseline Study Appendix
BSGS	Bay St. George South
CAAQS	Canadian Ambient Air Quality Standards
CAC	Criteria Air Contaminant
CAD	Canadian dollar
CAMS	Copernicus Atmosphere Monitoring Service
CAPEX	Capital Expenditure
CBC	Christmas Bird Count
CBPPL	Corner Brook Pulp and Paper Ltd.
CCME	Canadian Council of Ministers of the Environment
cd	candela
CD	Census Division
CD	chart datum OR Community Development
Cefic	European Chemical Industry Council
CEPA	<i>Canadian Environmental Protection Act, 1999</i>
CFFI	CFFI Ventures Inc.
CH <sub>4</sub>	methane
CIE	Commission Internationale de L'Éclairage
CIRNAC	Crown-Indigenous Relations and Northern Affairs Canada
cm	centimetre
CMA	Caribou Management Area
CNA	College of the North Atlantic
CNPP	Community Nominated Priority Place
CNWA	<i>Canadian Navigable Waters Act</i>
CO	carbon monoxide



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CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
CO <sub>2</sub> e/h	carbon dioxide equivalent per hour
CO <sub>2</sub> e/MJ	carbon dioxide equivalent per Megajoule
CofA	Certificate of Approval
COPC	Contaminant of Potential Concern
CORMIX	Cornell Mixing Zone Expert System
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CSA	Canadian Standards Association
CSChE	Canadian Society for Chemical Engineering
CSD	Canadian Census subdivisions
CSI	carbon sink impact OR Crime Severity Index
CSM	Conceptual site model
CWB	Community Well-Being
CWQG-FAL	Canadian Water Quality Guidelines for Protection of Freshwater Aquatic Life
CWQG-MAL	Canadian Water Quality Guidelines for Protection of Marine Aquatic Life
CWS	Canadian Wildlife Service
<i>d</i>	luminaire
dB	decibel
dBA	decibel (A-weighted)
DBPWS	Dribble Brook Protected Water Supply
DEVEX	Development Expenditure
DEWI	Deutsches Windenergie-Institut
DF	Designated Floodway
DFF	Designated Floodway Fringe



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DFO	Fisheries and Oceans Canada
DPM	diesel particulate matter
EA Division	Environmental Assessment Division
EA Regulations	<i>Environmental Assessment Regulations, 2003, NLR 54/03</i>
EA	Environmental Assessment
EAC	Environmental Assessment Committee
EAC4	CAMS global reanalysis model, fourth generation
EBSA	Ecologically or Biologically Significant Area
ECA	Export Credit Agencies
ECC	Policy, Planning, and Natural Areas Division
ECCC	Environment and Climate Change Canada
ECWSR	<i>Environmental Control Water and Sewage Regulations</i>
EDC	Export Development Canada
EEMP	Environmental Effects Monitoring Programs
EIS	Environmental Impact Statement
EMF	electromagnetic field
EMN	electromagnetic noise
EMS	Environmental Management System
EP	Environmental Protection
EPA	<i>Environmental Protection Act</i>
EPC	Engineering, Procurement, and Construction
EPP	Environmental Protection Plan
EQO	environmental quality objectives
ER	exposure ratio
ERCP	Emergency Response / Contingency Plan
ERT	Emergency Response Team



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ESA	environmental site assessment
FFA	Wildlife Division
FMD	Forest Management District
FSC	food, social and ceremonial
FTE	full-time equivalent
g CO <sub>2</sub> e/tonne-km	grams of carbon dioxide equivalent per tonne-kilometre
g/L	grams/Litre
GCDWQ	Guidelines for Canadian Drinking Water Quality
GDP	Gross Domestic Product
GHG	greenhouse gas
GIS	Geographic Information System
GPDM	Guideline for Plume Dispersion Modelling
GPM	gallon per minute
GPS	Global Positioning System
GW	gigawatt
H	horizontal
H <sub>2</sub>	hydrogen
H <sub>2</sub> S	hydrogen sulphide
ha	hectare
HADD	harmful alteration, disruption or destruction
HDPE	high-density polyethylene
HFC	hydrofluorocarbons
HHRA	Human Health Risk Assessment
HRA	<i>Historic Resources Act</i>
HROA	Historic Resources Overview Assessment
HSE	Health, Safety and Environment



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hydrogen / ammonia plant	hydrogen / ammonia production and storage facility
Hz	Hertz
IAAC	Impact Assessment Agency of Canada
IBA	Important Bird Area
IDA	International Dark Sky Association
IDF	intensity-duration-frequency precipitation
IEA	International Energy Agency
IESNA	Illuminating Engineering Society of North America
IIS	Island Interconnection System
ILUC	Indirect Land Use Changes [water supplies]
IMO	International Maritime Organization
IPCC	International Panel on Climate Change
IRENA	International Renewable Energy Agency
ISO	International Organization for Standardization
Jupia	Jupia Consultants Inc.
kg	kilogram
kg/hour	kilogram per hour
kg/m <sup>3</sup>	kilogram per cubic metre
kHz	kilohertz
km	kilometre
km <sup>2</sup>	square kilometre
kt CO <sub>2</sub> e/y	kilotonnes of carbon dioxide equivalent per year
kt	kilotonne
kV	kilovolt
kW	kilowatt
L	litre



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L/hour	Litre per hour
LAA	Local Assessment Area
L <sub>Aeg</sub>	weighted continuous sound level
L <sub>d</sub>	daytime equivalent sound levels
L <sub>dn</sub>	day-night average sound level
L <sub>eq</sub>	Equivalent sound pressure levels
LiDAR	Light Detection and Ranging
L <sub>n</sub>	nighttime equivalent sound levels
LRU	Land and Resource Use
lux	one lumen per square metre
m	metre
M	million
m/s	metre per second
m <sup>2</sup>	square metre
m <sup>3</sup>	cubic metre
m <sup>3</sup> /h	cubic metre per hour
m <sup>3</sup> /min	cubic metre per minute
MAC	Mining Association of Canada
MAF	mean annual flow
mag/arcsec <sup>2</sup>	magnitudes per square arcsecond
MBBMA	Moose and Black Bear Management Areas
MBCA	<i>Migratory Birds Convention Act</i>
mbgs	metres below ground surface
MBR	<i>Migratory Birds Regulations</i>
MET	Meteorological Evaluation Towers
mg/L	milligrams per Litre



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MGGA	<i>Management of Greenhouse Gas Act</i>
MGO	marine gas oil
MJ	Megajoule
mm	millimetre
mm/s	millimetres per second
MMA	Moose Management Area
MMBTU	million British Thermal Units
MMF	mean monthly flow
MOU	Memorandum of Understanding
MPa	megaPascal
MSC	Meteorological Service of Canada
Mt	megatonne
MT	metric ton
mtpd	metric tonne per day
MU	Management Unit
MUN	Memorial University of Newfoundland
MVA	megavolt amperes
MW	megawatt
MWac	megawatt, alternating current
MWh	megawatt-hour
MWth	thermal megawatt
N <sub>2</sub> O	nitrous oxide
NAFO	Northwest Atlantic Fisheries Organization
NAPS	National Air Pollutant Surveillance Program
NARMIN	Newfoundland Association of Rural Mi'kmaq Nations
NCC	Nature Conservancy of Canada





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NF <sub>3</sub>	nitrogen trifluoride
NFPA	National Fire Protection Association
NH <sub>3</sub>	ammonia
NIR	National Inventory Report
NL	Newfoundland and Labrador
NL AAQS	Newfoundland and Labrador Ambient Air Quality Standards
NL EPA	Newfoundland and Labrador <i>Environmental Protection Act</i>
NL ESA	Newfoundland and Labrador <i>Endangered Species Act</i>
NL Hydro	Newfoundland and Labrador Hydro
NLCA	NL Construction Association
NLDEC	Newfoundland and Labrador Department of Environment and Conservation
NLDECC	Newfoundland and Labrador Department of Environment and Climate Change
NLDFFA	Newfoundland and Labrador Department of Fisheries, Forestry and Agriculture
NLDFFA – WD	Newfoundland and Labrador Department of Fisheries, Forestry and Agriculture – Wildlife Division
NLDHCS	Newfoundland and Labrador Department of Health and Community Services
NLDIET	Newfoundland and Labrador Department of Industry, Energy and Technology
NLDMAE	Newfoundland and Labrador Department of Municipal Affairs and Environment (now NLDECC)
NLDTCAR	Newfoundland and Labrador Department of Tourism, Culture, Arts and Recreation
NLDTI	Newfoundland and Labrador Department of Transportation and Infrastructure
NLESD	Newfoundland and Labrador English School District
NLOA	Newfoundland and Labrador Outfitters Association



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NLWRMD	Newfoundland and Labrador Water Resources Management Division
NM	nautical mile
NMCA	National Marine Conservation Area
NO <sub>2</sub>	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NO <sub>x</sub>	nitrogen oxides
NPAG	non-potentially acid generating
NPRI	National Pollutant Release Inventory
NRCAN	Natural Resources Canada
O <sub>2</sub>	oxygen
O <sub>3</sub>	ozone
OBPS	Output-Based Pricing System
OHV	off-highway vehicle
OPEX	operational expenditures
OSEM	Onsite Environment Manager
PAANL	Protected Areas Association of Newfoundland and Labrador
PAG	potentially acid generating
PAH	polycyclic aromatic hydrocarbon
PAO	Provincial Archaeology Office
PCB	polychlorinated biphenyl
PDA	Project Development Area
PEM	Proton Exchange Membrane
PFC	perfluorocarbons
PM <sub>10</sub>	particulate matter with particles having an aerodynamic diameter less than 10 µm
PM <sub>2.5</sub>	particulate matter with particles having an aerodynamic diameter less than 2.5 µm



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POPC	Parameters of Potential Concern
Port, the	Port of Stephenville
ppb	parts per billion
PPE	Personnel Protective Equipment
PPV	peak particle velocity
PPWSA	Protected Public Water Supply Area
Project, the	Project Nujio'qonik
PSPC	Public Service and Procurement Canada
Q100	1:100 year return period for a peak flow event
QRA	Quantitative Risk Assessment
RAA	Regional Assessment Area
RCMP	Royal Canadian Mounted Police
RCP	Representative Concentration Pathway
RHB	Rondo Heat Battery
RMS	root-mean-square
ROW	right-of-way
RU	Rural Zone
RUR	rural
SAR	Species at risk
SARA	<i>Species at Risk Act</i>
SARIMMP	Species at Risk Impact Mitigation and Monitoring Plan
SCFH	standard cubic feet per hour
SDOH	social determinants of health
SF <sub>6</sub>	sulfur hexafluoride
SiBA	Significant Benthic Area
SO <sub>2</sub>	sulphur dioxide



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SOCC	Species of Conservation Concern
SOE	Solid Oxide Electrolysis
SOEC	Solid Oxide Electrolyzer Cell
SOP	Standard Operating Procedure
SQM-L	sky quality meter
SSAC	Species Status Advisory Committee
SWA	Sensitive Wildlife Area
SWMP	Surface Water Monitoring Plan
t	metric tonne(s)
t/y	tonnes per year
TCEQ	Texas Commission on Environmental Quality
TCH	Trans-Canada Highway
TDR	Technical Data Report
TDS	total dissolved solids
THSD	trailing hopper suction dredger
TLRU	Traditional Land and Resource Use
TPH	total petroleum hydrocarbons
TPM	total particulate matter with an aerodynamic diameter less than 30 µm
T-RRES	Town-Rural Residential
TSP	total suspended particulate
TSS	total suspended solids
T-URB	Town-Urban
UFR	upward flux ratio
URPA	<i>Urban and Rural Planning Act</i>
US EPA	United States Environmental Protection Agency
US FTA	United States Federal Transit Administration



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USgpm	US gallons per minute
UXO	unexploded ordnance
V	vertical
VEC	valued environmental component
VOC	volatile organic compound
WEGH2	World Energy GH2
WER	Wilderness and Ecological Reserves
WER Act	<i>Wilderness and Ecological Reserves Act</i>
WERAC	Wilderness and Ecological Reserves Advisory Council
WHO	World Health Organization
WHPA	Wellhead Protection Area
WMP	Waste Management Plan
World Energy	World Energy LLC
WQMA	Water Quality Monitoring Agreement
WRDC	Women in Resource Development Corporation
WRMD	Water Resources Management Division
WSC	Water Survey of Canada
WUL	Water Use License
ZOI	Zone of Influence
Zone 6	Planning Zone 6



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## **GLOSSARY**

Cumulative Effects	The environmental effects that have the potential to result from a project in combination other projects or activities that have been or will be carried out.
Local Assessment Area	The area in which Project-related environmental effects (direct or indirect) can be predicted or measured for assessment.
Mitigation	With respect to an undertaking, the elimination, reduction or control of the adverse effects or the significant environmental effects of the undertaking, and may include restitution for any damage to the environment caused by such effects through replacement, restoration, compensation or any other means.
Monitoring	Periodic or continuous surveillance or testing to determine the characteristics of a substance or the level of compliance with statutory requirements and/or contaminant levels in various media or in humans, plants, and animals.
nameplate capacity	[Generator] nameplate capacity (installed): The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer
Project Area	The immediate area in which Project activities and components may occur.
Regional Assessment Area	The area established for context in the determination of significance of project-specific effects.
Residual Effect	The effects of a project that remain after the application of mitigation measures.
Significance	A measure of the degree to which an environmental effect may be adverse or beneficial.



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