



WELCOME

Welcome

COMMUNITY INFORMATION SESSION



EVERWIND
FUELS

res



THANK YOU

Thank you!

We appreciate you taking the time to join us.

We would be happy to follow-up with you if you have any other questions about the Projects.

Please fill out a feedback form.

Join our
Mailing List!





Land Acknowledgement

Recognition of the Mi'kmaq and their Ancestral Territory

We acknowledge the ancestral and unceded territory of the Mi'kmaq people. We also acknowledge the Mi'kmaq as the past, present, and future caretakers of this land, Mi'kmaki.

We are committed to working with Mi'kmaq and delivering a comprehensive partnership on all aspects of the project. EverWind's Nova Scotia Projects include three Mi'kmaq equity partners and champion meaningful engagement with Rightsholders and the advancement of social and economic reconciliation.

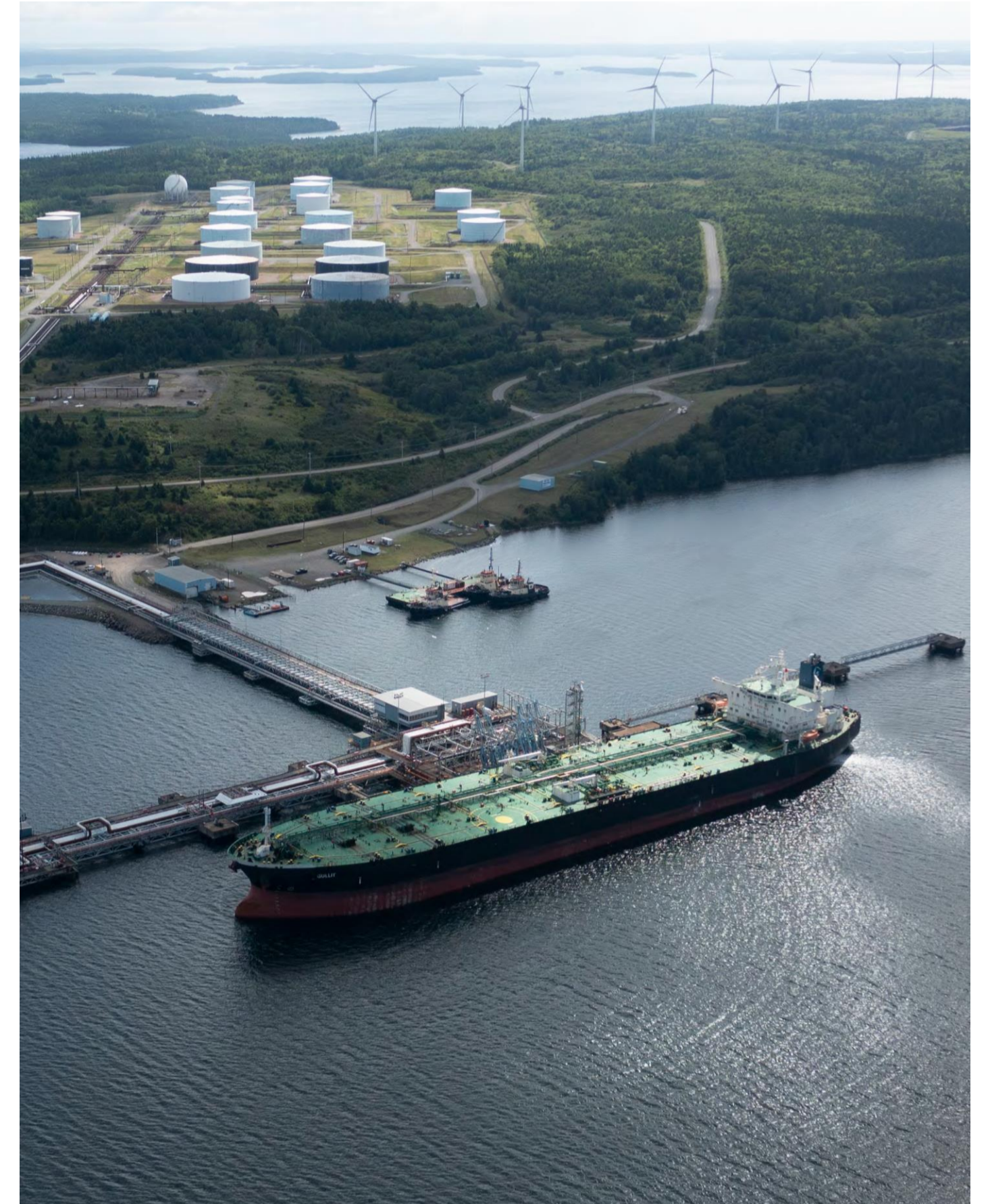




ABOUT EVERWIND

EverWind Fuels LLC (EverWind) is a developer of green hydrogen and ammonia production, storage facilities, and associated transportation assets. The EverWind Fuels team is comprised of over 100 employees, mostly from the local community, who are further supported by full time contractors and consultants.

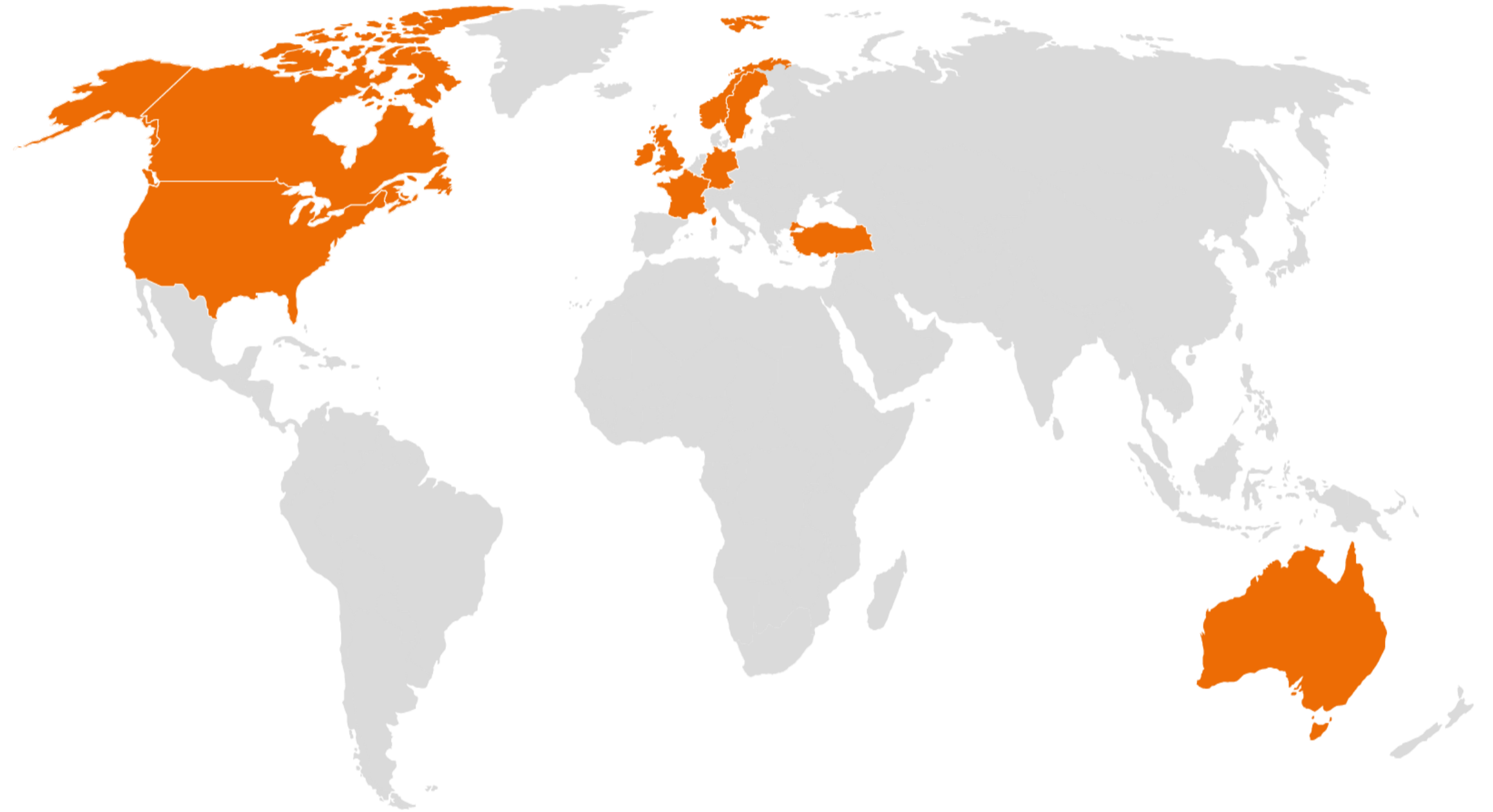
We are developers, owners, and managers with experience in almost every infrastructure sub-category in North America, and a track record of success and delivering socially and environmentally responsible developments for all of our stakeholders.





RES EXPERIENCE

RES is the world's largest independent renewable energy company. At the forefront of the industry for 40 years, RES has delivered more than 23 GW of renewable energy projects across the globe and supports an operational asset portfolio exceeding 12 GW worldwide for a large client base. RES employs more than 4,000 people and is active in 11 countries working across onshore and offshore wind, solar, energy storage and transmission and distribution.



23 GW PORTFOLIO

40 YEARS OF EXPERIENCE

12 GW ASSETS



WIND



SOLAR



STORAGE



T&D

res[®]
power for good[®]

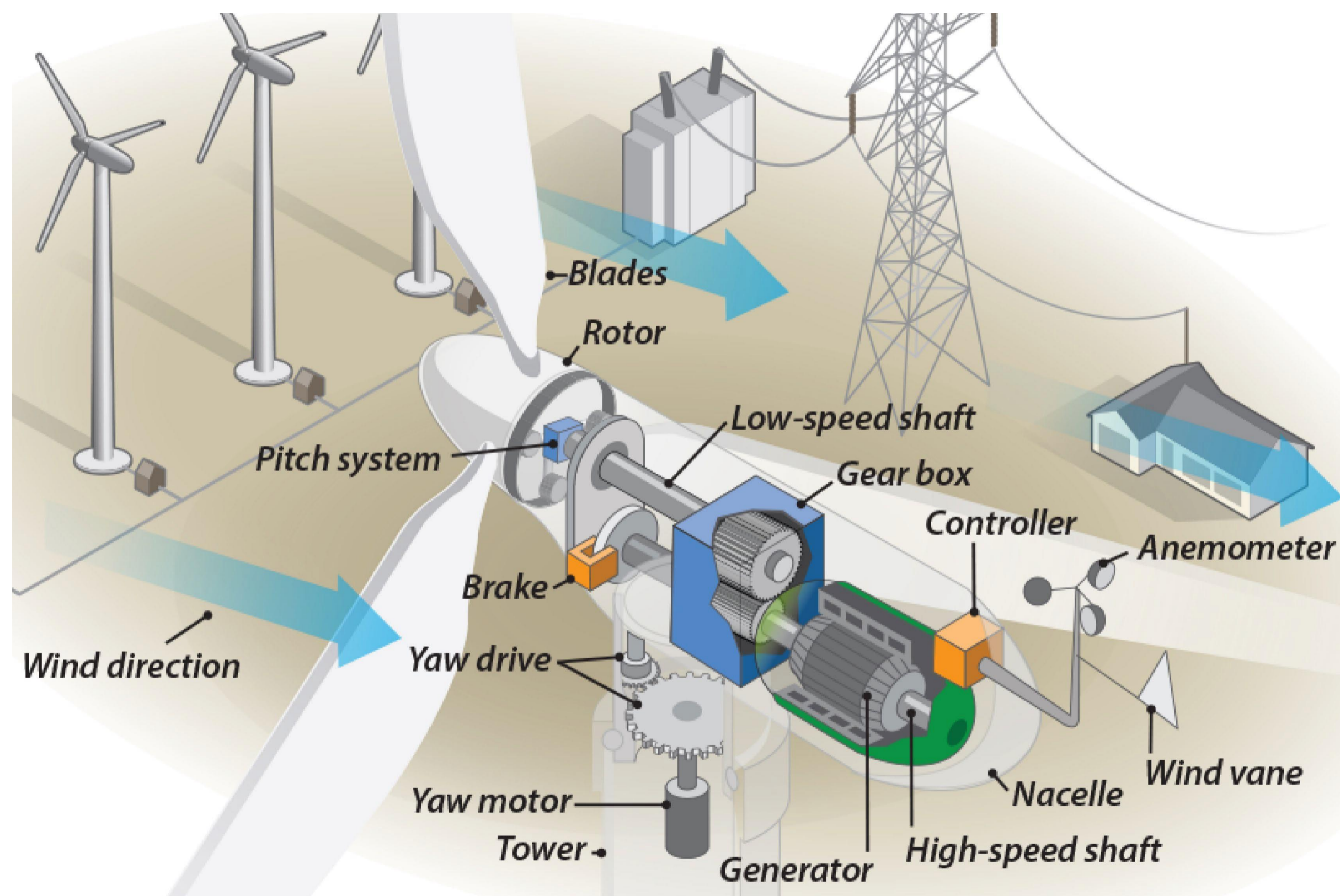


HOW WIND POWER WORKS

Modern turbines have three main components: the tower, the nacelle (or generator) and the blades.

The blades rotate when the wind blows and are attached to a gearbox in the nacelle, which turns the generator and produces electricity.

Electricity is then converted to a medium voltage AC current, transmitted via cables and is collected at a substation before being transmitted by overhead lines to the main electrical grid.





PROJECT DETAILS

	Kmtnuk	Windy Ridge
Project Size (Maximum)*	Up to 98 MW	Up to 340 MW
Ownership	51% Membertou 49% EverWind	EverWind & First Nations ownership TBD Minority Community-Owned (CEDIF)
Location	Colchester	Colchester
Number of Turbines*	Up to 16 Turbines	Up to 58 Turbines
Number of Turbines on Private / Crown Land*	Up to 14 on Crown Land Up to 2 on Private Land	Up to 8 on Crown Land Up to 50 on Private Land
Turbine Model*	Nordex N163 5.9MW	Nordex N163 5.9MW
Hub Height*	Up to 125 m	Up to 125 m
Blade Length*	Up to 81.5 m	Up to 81.5 m
Length of New Roads (approx.)*	~3 km	~7 km
Length of Existing Roads (approx.)*	~35 km	~110 km
Final Substation Footprint	Up to 2.5 acres	Up to 2.5 acres
Final O&M Building Footprint	Up to 1 acre	Up to 1 acre

*Subject to change pending final turbine model selection.





PROJECT SCHEDULE

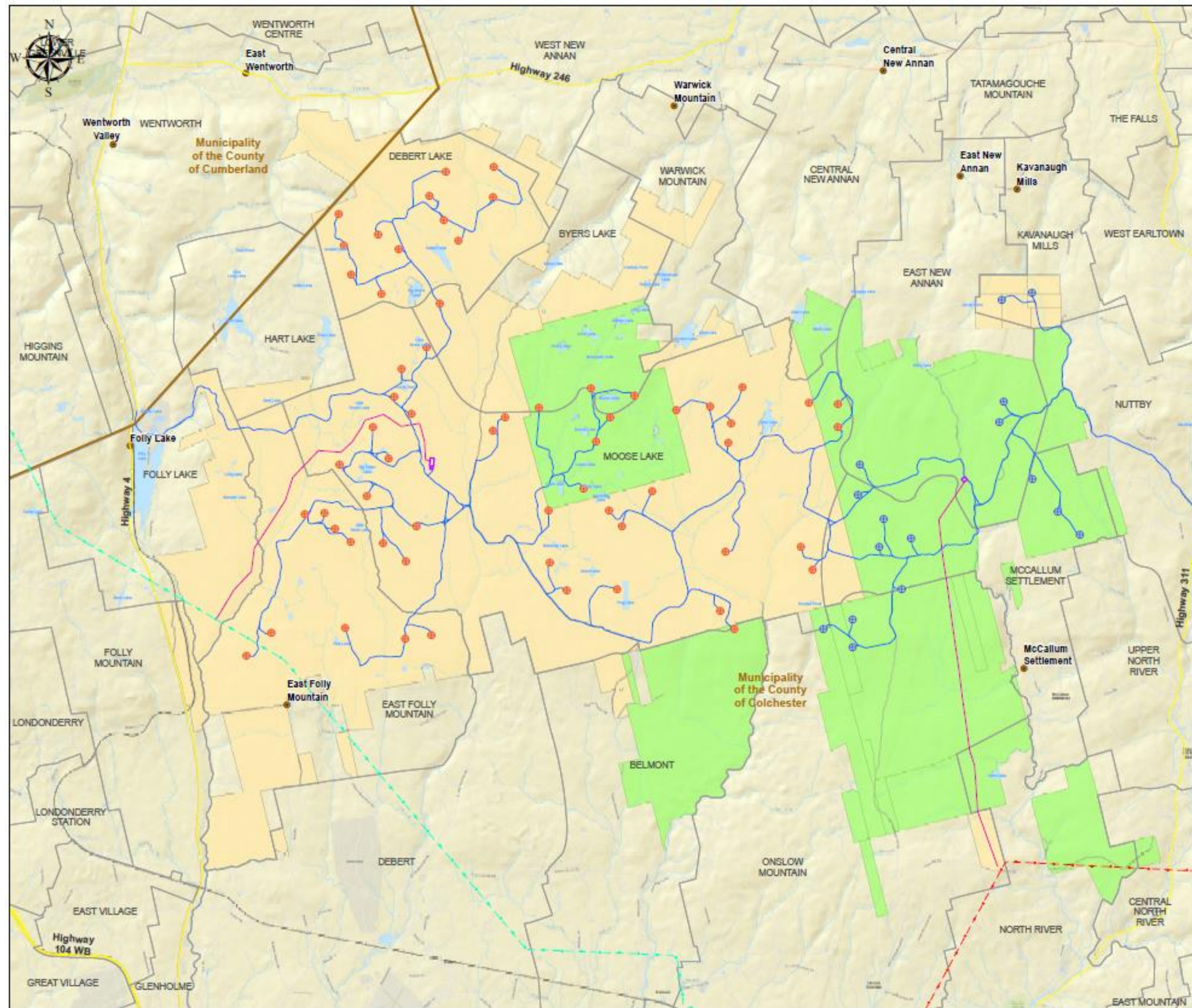
Kmtnuk		Windy Ridge	
Environmental Studies Conducted	Spring - Fall 2023	Environmental Studies Conducted	Spring - Fall 2023
First Round of Community Open Houses	August 2023	First Round of Community Open Houses	November 2023
Community Engagement Initiated	Summer 2023	Community Engagement Initiated	Fall 2023
Environmental Assessment Submitted to NSECC	Fall 2023	Environmental Assessment Submitted to NSECC	Early 2024
Community Meeting - TBC	Winter 2023/2024	Community Meeting - TBC	Spring 2024
Anticipated Receipt of Construction Permits	Summer 2024	Anticipated Receipt of Construction Permits	Summer 2024
Target Start of Construction	Summer 2024	Target Start of Construction	Fall 2024
Target COD	Dec 31, 2025	Target COD	End 2025/ Mid-2026 (Depending on construction schedules)

N.B. Schedule is subject to change. Engagement will continue through the life of the project





PROJECT MAP



**WINDY RIDGE & KMTNUK WIND PROJECTS
PROPOSED PROJECT LAYOUT MAP**

LEGEND

- KmtnuK Proposed Turbine Layout
- Windy Ridge Proposed Turbine Layout
- Proposed Substation
- Proposed Access Road Centerline
- Proposed HV Transmission Line
- Highway
- Town
- Private Land Parcel
- Crown Land Parcel
- 230 kV Line
- 345 kV Line

**Access road layout and turbine locations are preliminary and subject to change following stakeholder consultation, completion of field surveys and final turbine selection.

Projection / Coordinate System
Transverse Mercator
NAD 1983 UTM Zone 20N / North American 1983
Meters

Absolute Scale
1:45,000

RENEWABLE ENERGY SYSTEMS CANADA INC.
5605 avenue de Gaspé, Suite 508
Montreal, QC, H2T 2A4

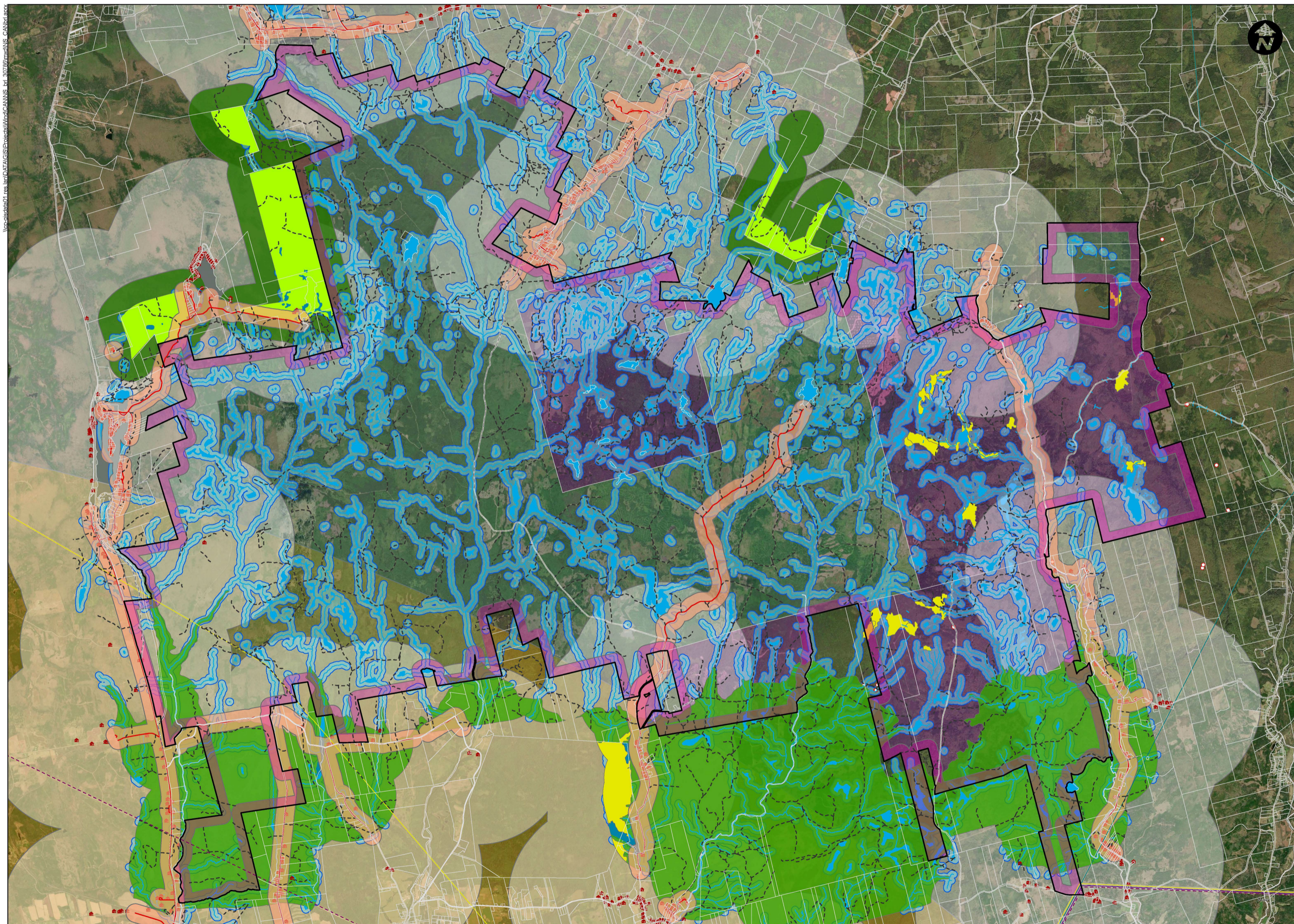
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Sources :
CanVec12, ArcGIS Online, Data NG
Date : November 2023
Format : 24x36





PROJECT CONSTRAINTS



Windy Ridge and Kmtnuq, Nova Scotia
Open House Constraints Map

Feature

- Dwelling, Cabin, Camp
- Road
- Track
- Old Growth Forest
- Environmentally Protected Areas
- Significant Habitat Features
- Wetlands of Special Significance
- Watercourses
- Waterbody
- Project Boundary
- Participating Crown Lands
- Participating Private Lands
- Property Boundaries

Transmission Line

- 69 kV
- 138 kV
- 230 kV
- 345 kV

Constraints Setbacks

- Civic Addresses (2km)
- Weather Radar (50km)
- Environmentally Protected Areas (500m)
- Road (206.5m)
- Track (206.5m)
- Waterbody, Wetland, Watercourse (80m)
- Participating Lands (206.5m)

0 2 Kilometers

RENEWABLE ENERGY SYSTEMS
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res

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MAP EDITOR deskandari
EDIT DATE 11/09/2023

Province of Nova Scotia, Inc.
HERZ, Garmar, INC, BCVA, EPSC, NRI, Inc, Parks Canada





MINIMIZING ENVIRONMENTAL IMPACTS

Much of the Project site is previously disturbed from **historical and current forestry activity, recreational activities, and mineral excavation.**

EWF is aiming to further minimize the environmental impact of the Project by:

- ✓ **Prioritizing** existing logging roads: almost 95% of site access roads are currently existing roads
- ✓ **Maintaining** large setbacks from residences and protected areas
- ✓ **Minimizing** impact to Old Growth Forest
- ✓ **Minimizing** impact to Wetlands and Watercourses
- ✓ **Minimizing** tree clearing



EWF is making efforts to minimize impacts to Mainland Moose by:

- ✓ **Minimizing** landscape fragmentation by utilizing existing forestry roads to the extent possible
- ✓ **Installing** light mitigation technology to reduce impact of nighttime lighting
- ✓ In negotiations to **reduce timber harvesting** by providing new sources of revenue for land



MINIMIZING VISUAL IMPACTS

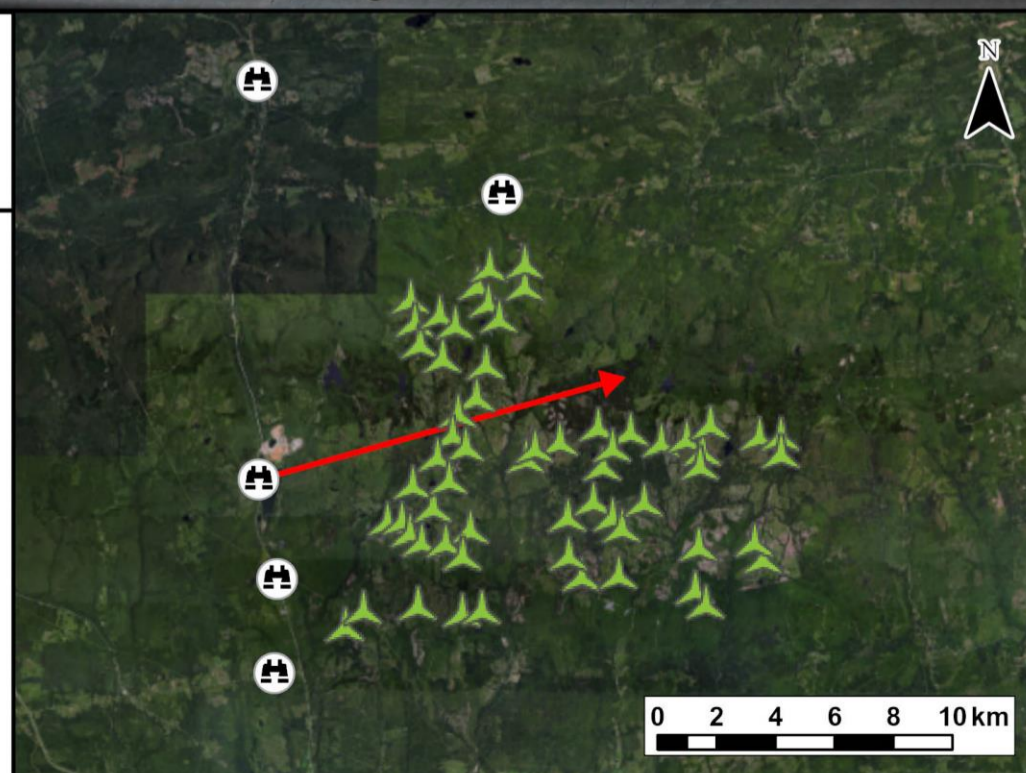
✓ **In process of removing turbines** that may be seen from Ski Wentworth or Folly Lake



Notes:

1. Data Sources: GeoNova, Client
2. Basemaps: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
3. Projection: NAD83 UTM Zone 20

- Camera Location
- Camera Bearing
- Proposed Turbine Layout
- Turbines Visible



TECHNICAL INFORMATION	
Visual Simulation Location:	Folly Lake
View Coordinates:	Latitude: 45° 32' 34.6286" N Longitude: 63° 32' 59.8153" W Easting: 457066.96m Northing: 5043415.48m
Distance to Nearest Turbine:	4.4km
Direction of View:	Northeast, Heading 74°
Camera Make/ Model:	Canon EOS REBEL T7
Lens:	50 mm
Image Resolution:	6000 x 4000
Weather Conditions:	Overcast
Date of Photo:	2023/10/29
Time of Photo:	14:22

Windy Ridge Wind Power Project Visual Simulation Folly Lake	
Date:	Project #:
Nov 2023	23-9255
Scale:	Drawing #:
1:275,000	A
Drawn By:	
E. Johnson	
Checked By:	
M. Savelle	



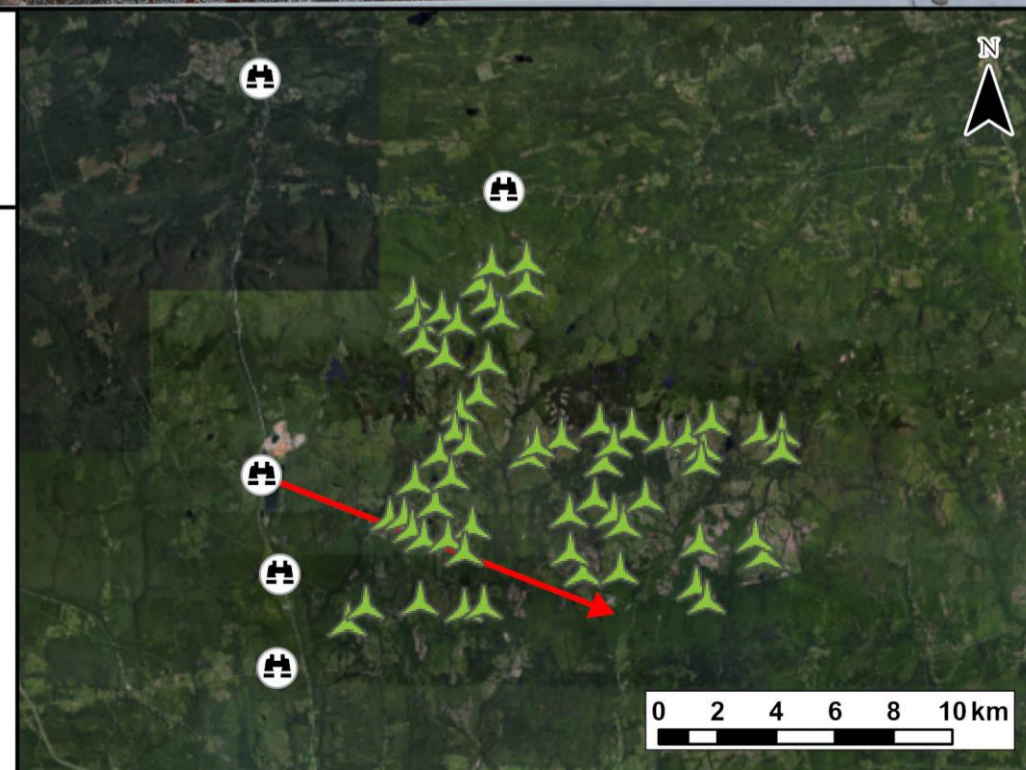
MINIMIZING VISUAL IMPACTS

✓ **Minimal turbines** seen from Highway 4



Notes:
 1. Data Sources: GeoNova, Client
 2. Basemaps: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 3. Projection: NAD83 UTM Zone 20

- Camera Location
- Camera Bearing
- Proposed Turbine Layout
- Turbines Visible



TECHNICAL INFORMATION

Visual Simulation Location: Highway 4
 View Coordinates: Latitude: 45° 32' 34.6286" N
 Longitude: 63° 32' 59.8153" W
 Easting: 457066.96m
 Northing: 5043415.48m
 Distance to Nearest Turbine: 4.4km
 Direction of View: Southeast, Heading 111°
 Camera Make/ Model: Canon EOS REBEL T7
 Lens: 50 mm
 Image Resolution: 6000 x 4000
 Weather Conditions: Overcast
 Date of Photo: 2023/10/29
 Time of Photo: 14:22

**Windy Ridge
 Wind Power Project
 Visual Simulation
 Highway 4**



Date: Nov 2023	Project #: 23-9255
Scale: 1:275,000	Drawing #: B
Drawn By: E. Johnson	
Checked By: M. Savelle	



COMMUNITY BENEFITS



We believe our projects are net positives for the local communities in which we work.



Benefits include:

- ✓ **Billion-dollar** Investment in Colchester
- ✓ **\$165 million** in project lifetime municipal tax & benefits paid to Colchester municipality and nearby residents
- ✓ **Contracting opportunities** for First Nations & local businesses
- ✓ **Dozens of full-time and part-time jobs** and **350-400 jobs** during construction
- ✓ **Increased local spending** on goods and services during the project's development, construction and operational phases



LOCAL JOB CREATION



These projects are currently employing dozens of local Nova Scotians and will generate considerable direct opportunities for both local companies & individuals during construction and operations.

350-400 Direct Jobs During Construction:

- ✓ **Civil installation:** land clearing, forming, concrete supply, grouting, forming
- ✓ **Electrical installation:** overground installation, electrical testing, instrument installation
- ✓ **Turbine installation:** crane supply, turbine offload, mechanical and electrical work
- ✓ **Local businesses:** to benefit from increased local spending with larger local workforce

Up to 20-30 Part-Time and Full-Time Jobs during Operations and Maintenance:

- ✓ HV Technicians / Electricians
- ✓ Wind Technicians
- ✓ Road Maintenance Workers
- ✓ Vegetation Management Service Providers
- ✓ Snow & Surface Removal
- ✓ Administrative Support
- ✓ Inventory / Materials Management

A job fair will be held one month prior to start of construction
On-the-job training will be available for some positions





DIRECT HOMEOWNER PROXIMITY PAYMENT



\$300,000
per year

Commitment to provide direct payments to neighbouring homeowners totalling **\$10.5M** over the life of the project



2026
program start

Program to start at the end of the first year of operations, expected 2026



Local Residents Benefit

Residents **within a specified distance to the closest turbine**, to be determined through consultation, will receive a proximity payment



Simple Opt-In Process

Simple opt-in process to receive annual proximity payment for Windy Ridge and Kmtnuk wind farm projects



COMMUNITY VIBRANCY FUND



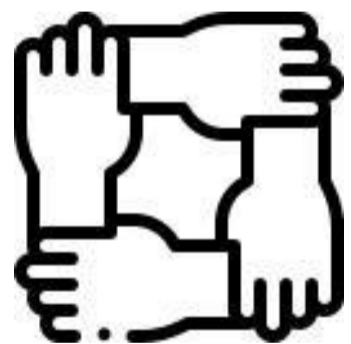
\$100,000
per year

Commitment to provide annual community benefits fund earmarked for community improvement initiatives to be determined through a Committee of volunteers



2026
program start

Fund to be deployed in full (\$100,000 annually) at the end of the first year of operations, expected 2026



**Community-Based
Initiatives**

Education and job training, public recreation, land initiatives, energy sustainability, property tax relief





BURSARY FUND

Bursary Fund of at Least \$50,000, to be replenished



10x Scholarships

Applicable to education and training
in the renewables industry



\$5,000 each

Expect to fully replenish \$50,000 fund
once scholarships are issued



2024
program start

Program to start prior to construction



**Keep Families
Together**

Builds local expertise to help keep
families together in Nova Scotia



MUNICIPAL TAX BENEFITS

	Kmt nuk <i>(Colchester)</i>	Windy Ridge <i>(Colchester)</i>	TOTAL
Annual Municipal Tax	~\$800,000	~\$2.8mm	\$3.6mm
Project Life Municipal Tax	~\$34mm	~\$118mm	\$152mm

N.B. Annual municipal tax revenue from two projects is equivalent to almost 10% of the municipal budget.





EMPLOYMENT OPPORTUNITIES IN COLCHESTER

	Kmt nuk <i>(Colchester)</i>	Windy Ridge <i>(Colchester)</i>	TOTAL
Operations <ul style="list-style-type: none">• Site Managers• HV Technicians / Electricians• Wind Technicians• Road Maintenance Workers• Vegetation Management Service Providers	6 – 12	12 – 20	20 – 30
Construction <ul style="list-style-type: none">• Civil work (land clearing, grubbing, road building, foundation installation)• Electrical work (transmission line, collector line, substation installation)• Turbine installation (offloading, stacking, commissioning)	150 – 250	200 – 300	350 – 400



LOCAL OWNERSHIP OF WINDY RIDGE

- Expect eligible Nova Scotia residents to be able to invest in the Windy Ridge Project with EverWind and Partners through Colchester-Cumberland Wind Field (CCWF), subject to regulatory requirements
- CCWF has a non-binding agreement with EverWind to be a minority owner of Windy Ridge
- The CCWF owns and operates 5 wind turbines today, providing power to the Village of Tatamagouche and economic returns to CCWF investors
- The CCWF has successfully used the Community Economic Development Corporate Program to build the Tatamagouche Wind Field and provide Investors non-refundable Provincial Investment tax credits
- The CCWF Investment in Windy Ridge would continue to offer investment opportunity in a local wind field project and provide eligible Nova Scotia residents the opportunity for non-refundable Investment tax credits



Tatamagouche Wind Field
Community Power since 2011
WWW.CCWF.CA





TO RECAP OUR COMMITMENTS:

Aiming to sign a community benefits agreement with Colchester County proposing:

- ✓ **\$300k** paid directly to local homeowners (annual)
- ✓ **\$100k** community vibrancy fund (annual)
- ✓ **\$50k** in bursaries (10 x \$5,000 scholarships)

Further benefits / commitments:

- ✓ **\$3.6 million** in municipal taxes (annual, inflating)
- ✓ **No turbines** seen from Ski Wentworth or Folly Lake
- ✓ **Job fairs:** local hiring and training
- ✓ Minimizing impact to **local wildlife, including Mainland Moose**
- ✓ The project will utilize over 100 km of existing logging roads, **thereby minimizing further impact to land**
- ✓ **Low density** of approximately 1 turbine per 436 acres (on average)



SITING CONSIDERATIONS

Did you know?

Wind farms are designed to last approximately 35 years, but they are likely to last longer and modern turbines require very little maintenance.

Various factors are considered during project development, including:

- Wind resource
- Electrical infrastructure - transmission and distribution lines
- Environmental constraints – wetlands and water courses, old growth forest, wildlife
- Noise considerations and shadow flicker
- Archaeological and cultural features
- Mi'kmaq environmental knowledge study (MEKS)

- Municipal Bylaws, land use order guidelines and setbacks
- Community input and other interested stakeholders and agencies
- Transportation infrastructure - highways, roads, railways



WINDY RIDGE ENVIRONMENTAL ASSESSMENT

The Windy Ridge project will be submitting an application into the province's rigorous Environmental Assessment (EA) process, which includes an analysis of the potential environmental impacts of the project.

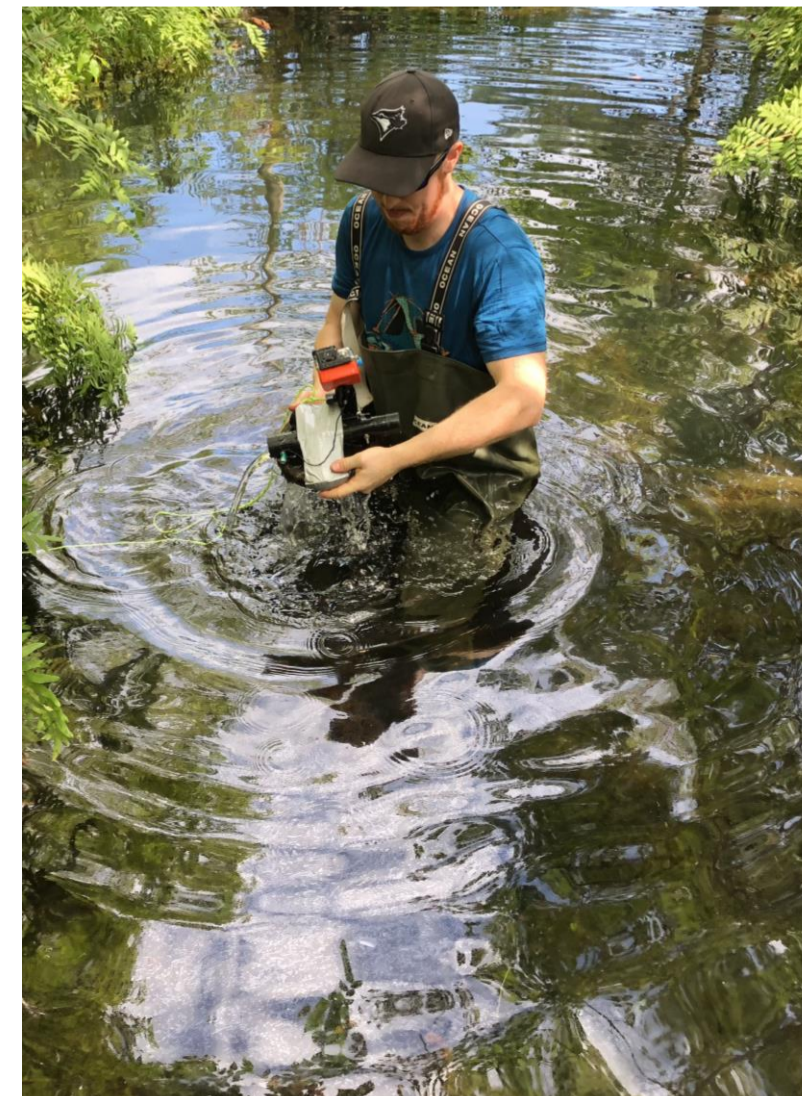
As part of the EA, the following detailed biophysical field studies have been completed at Windy Ridge:

- Wildlife: Bats, Birds, Terrestrial Mammal (including Mainland Moose), Wood Turtles Surveys
- Watercourses: Fish and Fish Habitat Assessments
- Wetlands: Delineations and Functional Assessments
- Vegetation and Lichen Surveys

Other ongoing detailed studies include:

- Bird and Bat Radar Studies
- Electromagnetic and Telecommunication Assessments
- Geotechnical Investigations
- Sound and Visual Assessments
- Historical and Cultural: Archaeological, Mi'kmaq Ecological Knowledge Studies

These will all be complete by Q1 2024 in time for the Environmental Assessment application submission.





DECOMMISSIONING OR REPOWERING

Why and When are Wind Farms Decommissioned?

At the end of their useful life, wind projects may be decommissioned for the following reasons:

- Components become too expensive to maintain
- The Project has reached the end of its business case
- The power purchase agreement has terminated

Generally, the decommissioning phase will follow the same steps as the construction phase:

- Dismantling and removal of the turbines
- Removal of the turbine foundations down to 1m below grade
- Removal, recycling (where possible), and disposal of power collection system, conductor, and poles
- Removal of all other equipment
- Reclamation of the land

What guarantee is there that the Wind Farm won't be abandoned?

We will post a form of security to ensure funds are available for decommissioning at the Project's end of life.



Why and When are Wind Farms Repowered?

Global trends favour repowering due to renewable wind resources. Repowering leverages existing investments, relationships, and data, making it less risky than initial projects. Technological advances enable efficient turbine replacements, often doubling power output with fewer turbines.



COMMUNITY CONTRIBUTIONS

EverWind and RES seek to be good corporate citizens in the community and typically support various fundraising events and special initiatives that benefit the local community.

Examples of activities or organisations we aim to support:

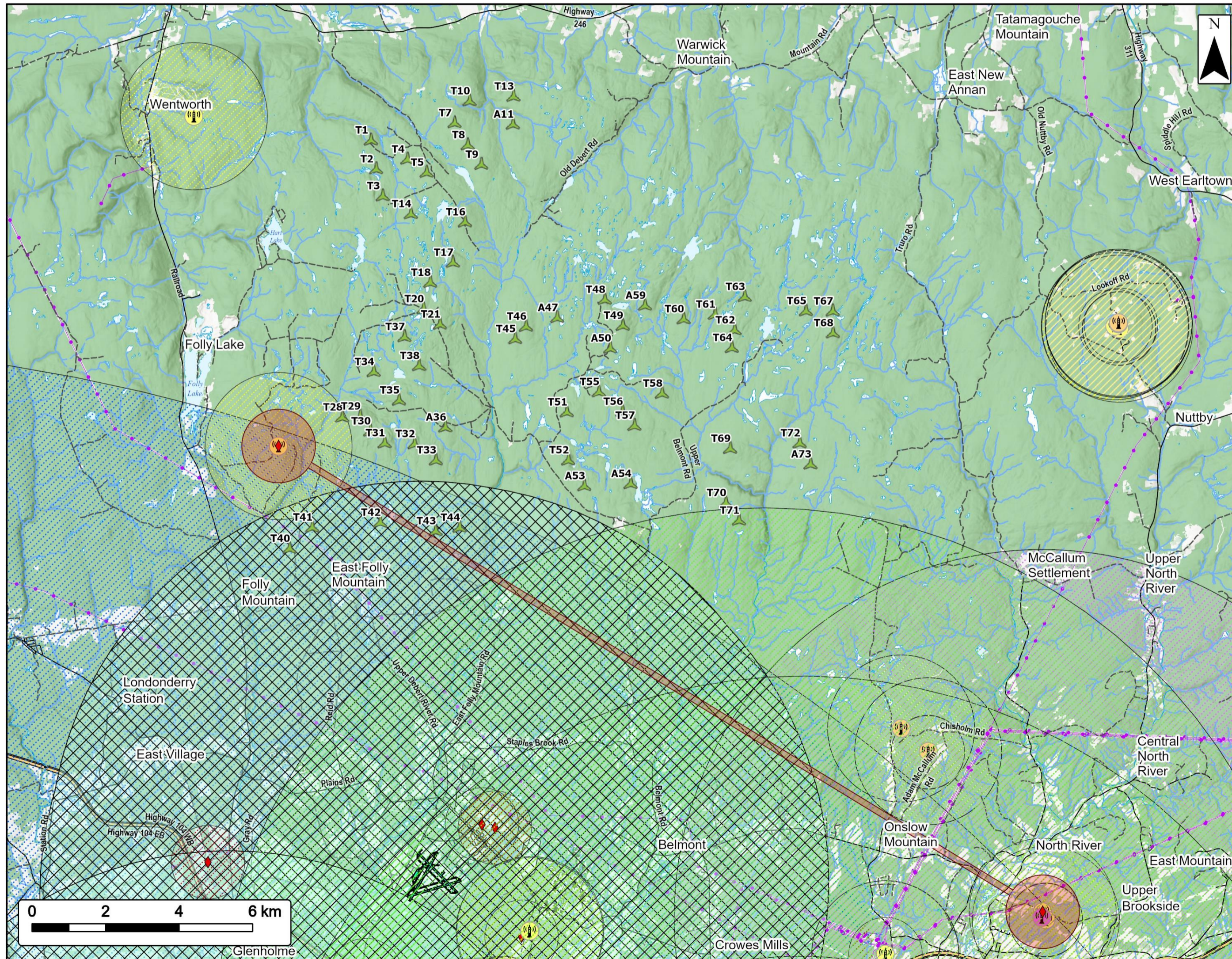
- Economic development
- Local charities
- Local sports teams
- Museums and libraries
- Agricultural associations
- ...and many more!

Do you have an idea of ways we can support your community? Let us know!





ELECTROMAGNETIC INTERFERENCE



Windy Ridge Wind Farm

EMI Investigation

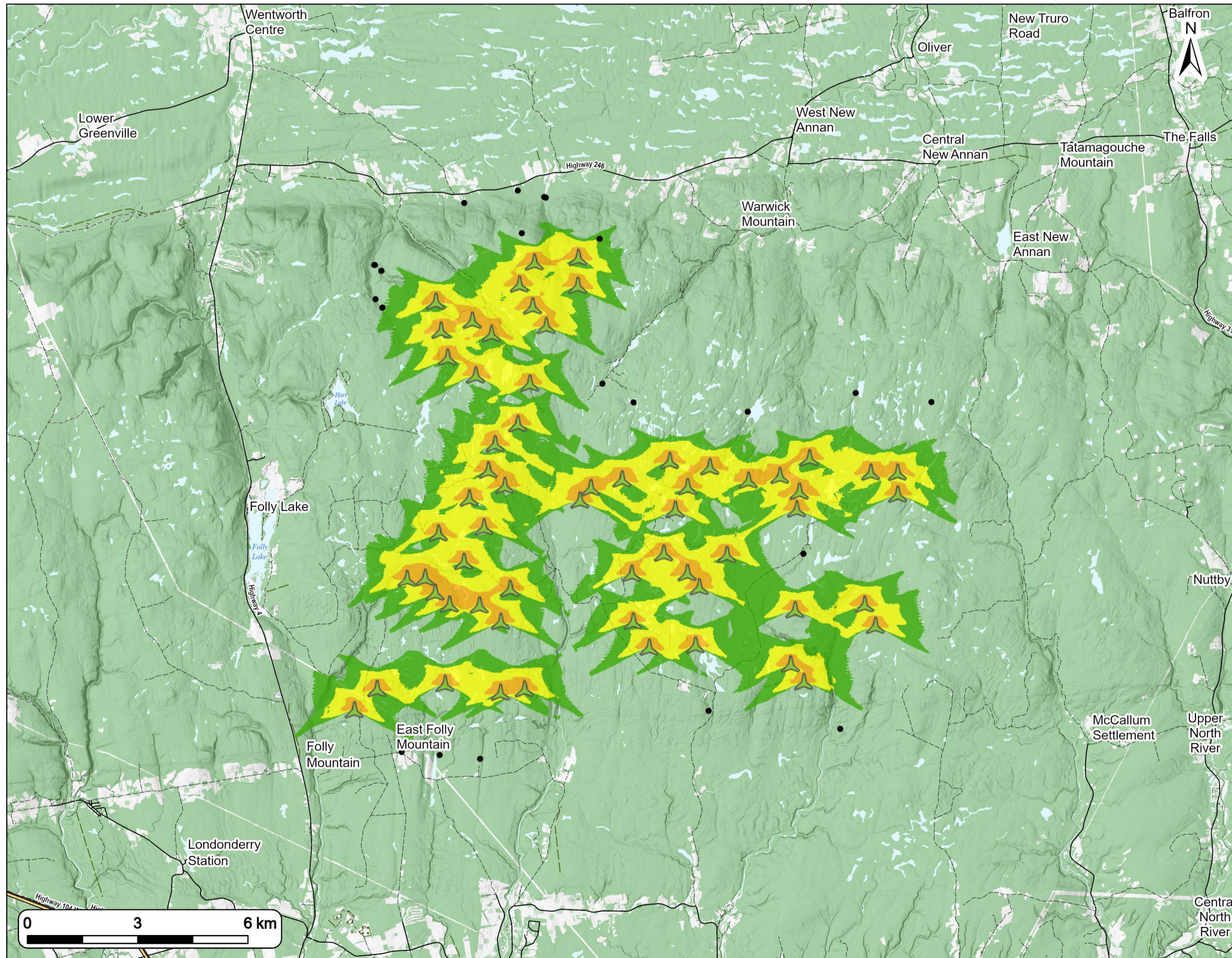
Proposed Turbine Location	
AM Consultation Zones (15km)	
Digital TV Station	
Digital TV Consultation Zone (10km)	
FM Stations	
FM Consultation Zone (2km)	
Low Power FM	
Low Power FM Consultation Zone (2km)	
Point to Point Tx/Rx Locations	
Point to Point Consultation Zone (1km)	
Point to Point Fresnel Zone	
Airfields (Airports, Heliports, and Airstrips)	
Airfields Consultation Zone (10km)	
Weather Radar Consultation Zone (50km)	

Coordinate System: NAD83 UTM Zone 20N
Sources: ESRI Base Maps, GeoNova, NSTD, HERE, Garmin, USGS, IBCan

Date:	Nov 2023	Project #:	23-9255
Scale:	1:100,000	Drawing #:	1
Drawn By:	M. Partridge		
Checked By:	M. Savelle		



SHADOW FLICKER



Windy Ridge Wind Power Project

Assessment Scenario B

- Proposed Turbine Layout
- Dwelling / Receptor within 2km of Turbine

Transportation

- Trans-Canada Highway
- Highway
- Road
- Unpaved Road
- Mapped Lakes and Rivers

Shadow Flicker Hours per Year

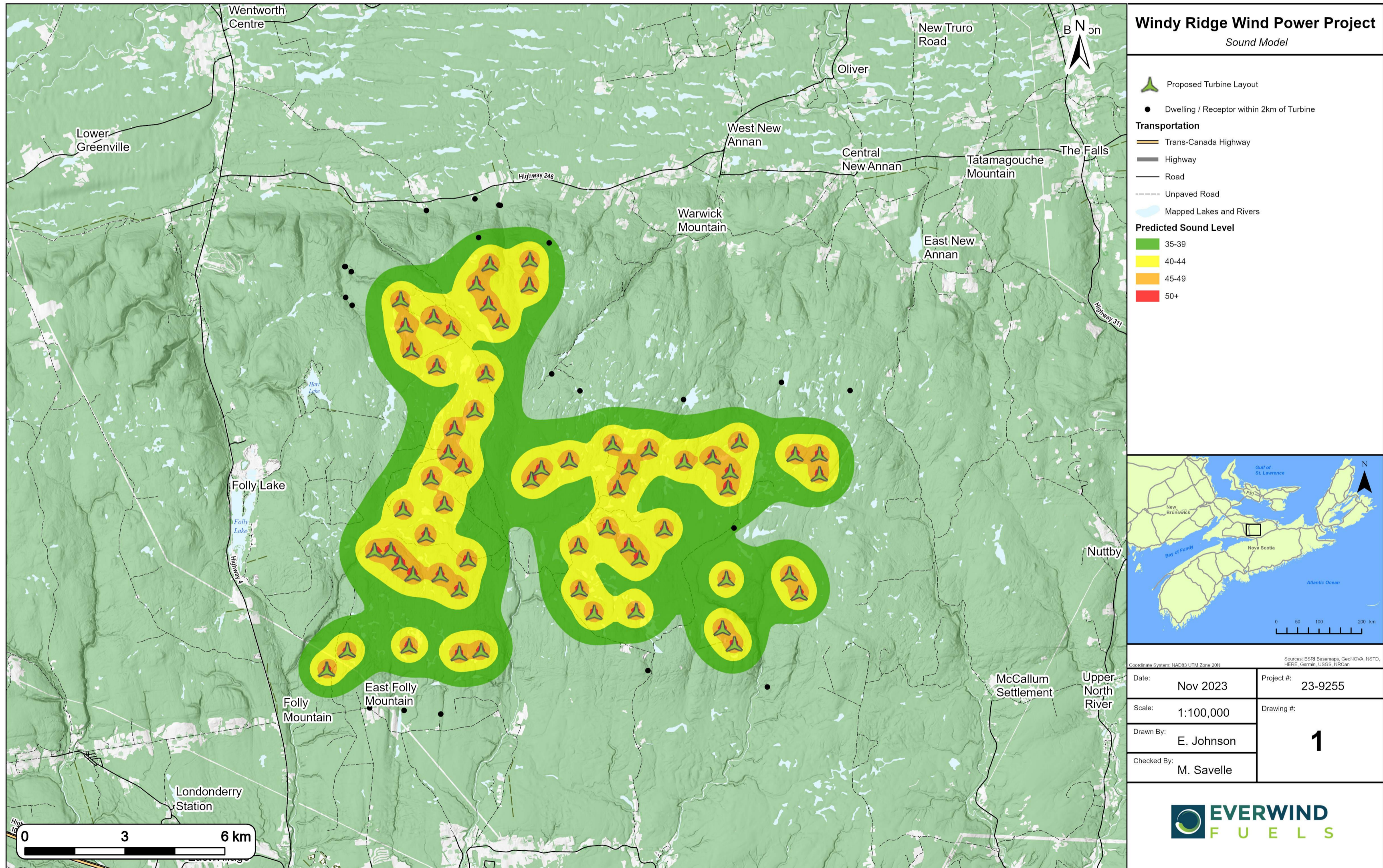
- 10-30
- 30-100
- 100+

Coordinate System: UTM Zone 20U
Sources: ESRI Basemaps, GeoIKOVA, NISTD, HERE, Garmin, USGS, IBCan

Date:	Nov 2023	Project #:	23-9255
Scale:	1:100,000	Drawing #:	2
Drawn By:	E. Johnson		
Checked By:	M. Savelle		



SOUND MODELLING





GREEN HYDROGEN

TURNING WIND POWER INTO ZERO CARBON FUEL



Makes Renewable Power Cheaper:

Without hydrogen, Nova Scotia would be forced to import green fuels over time



Provides Domestic Source:

Local supply & green fuels needed to avoid Carbon Tax

WHAT IS GREEN HYDROGEN?



Brings Nova Scotians Home:

Skilled labour can stay home with their families



Strong Economy Supports Investment In Healthcare

HYDROGEN SUPPORTS A GREEN GRID



Creates Green Economy for our Kids



Green hydrogen is needed to meet provincial green requirements!

