

A large wind turbine stands on a mountain ridge, its three blades extending across the frame. The background features a dramatic sunset over a valley, with the sun low on the horizon, casting a golden glow over the landscape. The sky is filled with soft, layered clouds. The foreground shows a snow-dusted mountain slope with evergreen trees.

Windy Ridge Project

Community Presentation

February 12, 2024

Welcome Pjila'si



Mi'kmaq Land Acknowledgement & Benefits



**Rose Paul,
Paqtnkek**

“The Mi'kmaw have been stewards of these lands for thousands of years, yet we have been shut out of participating in and benefitting from the development of natural resources.

This project provides an opportunity to make the dreams of our grandparents a reality.”

Opportunity for Economic Reconciliation

Rose Paul, CEO of Bayside Development: “True partnerships like this are the embodiment of what is meant by economic reconciliation.”

Chief Terry Paul, Chief & CEO of Membertou: “Securing clean energy for generations to come is both a strong moral decision, and one that supports economic reconciliation through a meaningful partnership with EverWind.”

Chief Wilbert Marshall, Chief of the Potlotek: “Having this project in our county and in our backyard allows us to see and be a part of working towards a greener future through the development of alternative energy sources.”



Membertou
WELCOMING THE WORLD

Presentation Members & Introduction

Presentation Members



Brendan Chard
VP Power,
EverWind Fuels



Rebecca Crump
Renewable Energy
Systems



Rose Paul
CEO,
Bayside Development
Corporation

Supporting Panelists



**Nicole
MacDonald**
CBCL



**Mike
Browne**
CBCL



**Adam
Langer**
EverWind



**Mark
Stewart**
RES



**Andrea
Cosman**
RES

Who is Windy Ridge Wind?

Majority Owner



- Atlantic Canadian company
- >120 employees
- Offices in Halifax, Port Hawkesbury, St John's, Marystown
- Highly experienced infrastructure team
- First Nations ownership

Minority Owner



Minority Owner



Minority Owner*



* in progress

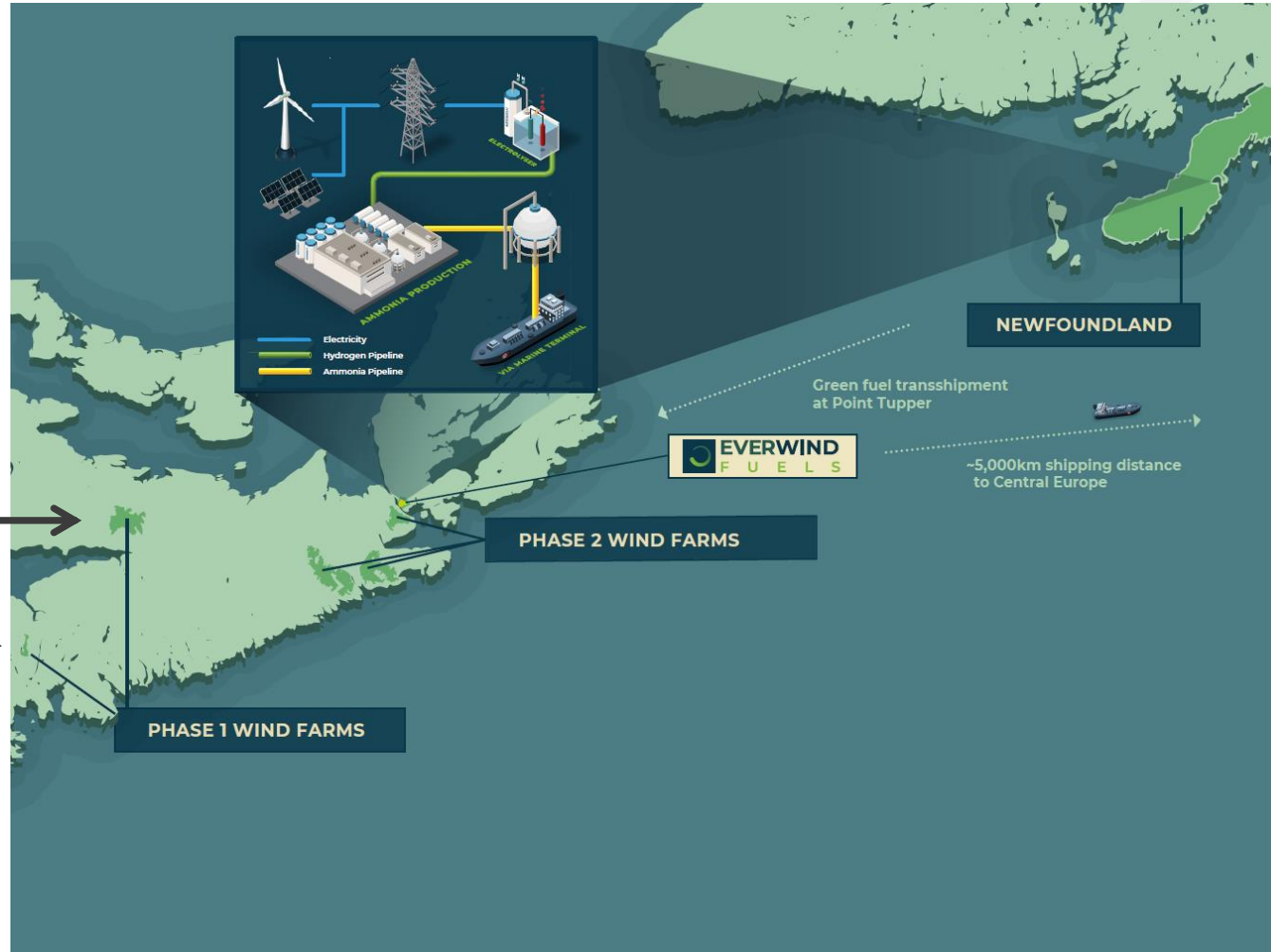
Renewables Developer



Phased Green Hydrogen Project

Windy Ridge
& Kmtnuk

Bear
Lake



1) Nova Scotia Phase 1

- >600MW of wind added to NS grid
- ~150MW of solar
- ~240ktpa of green ammonia
- Windy Ridge & Kmtnuk contribute to grid stabilization, economic opportunity and future regional development

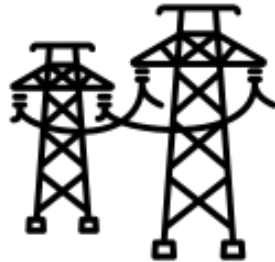
Green Hydrogen: Stored Wind Power

Production

New Renewable Energy



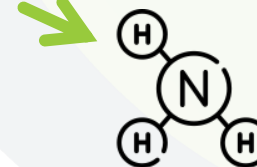
Existing Transmission



Hydrogen Production



Ammonia Production



**** One tonne of ammonia produced by EverWind will displace 2 tonnes of CO2**

Why Turn Green Electricity to Green Hydrogen?

- ✓ **Green hydrogen allows us to store wind power:** provides zero-carbon energy/electricity when the wind isn't blowing, and the sun isn't shining
- ✓ **Not everything can run on electricity:** hydrogen can replace the use of carbon-intensive fuels like natural gas, oil and coal and can be used across industries like shipping, refining, steel, chemical/industrial processes

**Green hydrogen combined with electrification
allows a 100% transition from fossil fuels**

Why Wind Here?

Wind is an abundant resource here in Nova Scotia.

The area specific to our project boasts:

- A world class wind resource
- Ample transmission capacity
- Industrially logged site
- Ability to meet all environmental and social setbacks

There is no other place on earth better suited for wind generation than Atlantic Canada.



What We Heard

Impacts to crown land and moose as well as impacts of construction on the recreational environment and local communities

- ✓ **~15% less turbines / 8 less turbines:** reduced turbines from 58 to 50, including turbines around Moose Lake, Frog Lake and Crown land; reduction in road and above-ground collector network; keeping skies dark at night

Protection for the French River Watershed

- ✓ **Removed turbines** from French River Watershed

Continued access for recreation in all four seasons

- ✓ **We are committed to keeping the recreational spaces open to local users as they've always been**

Better understanding of the project, more visual simulations and a presentation with the chance to ask questions

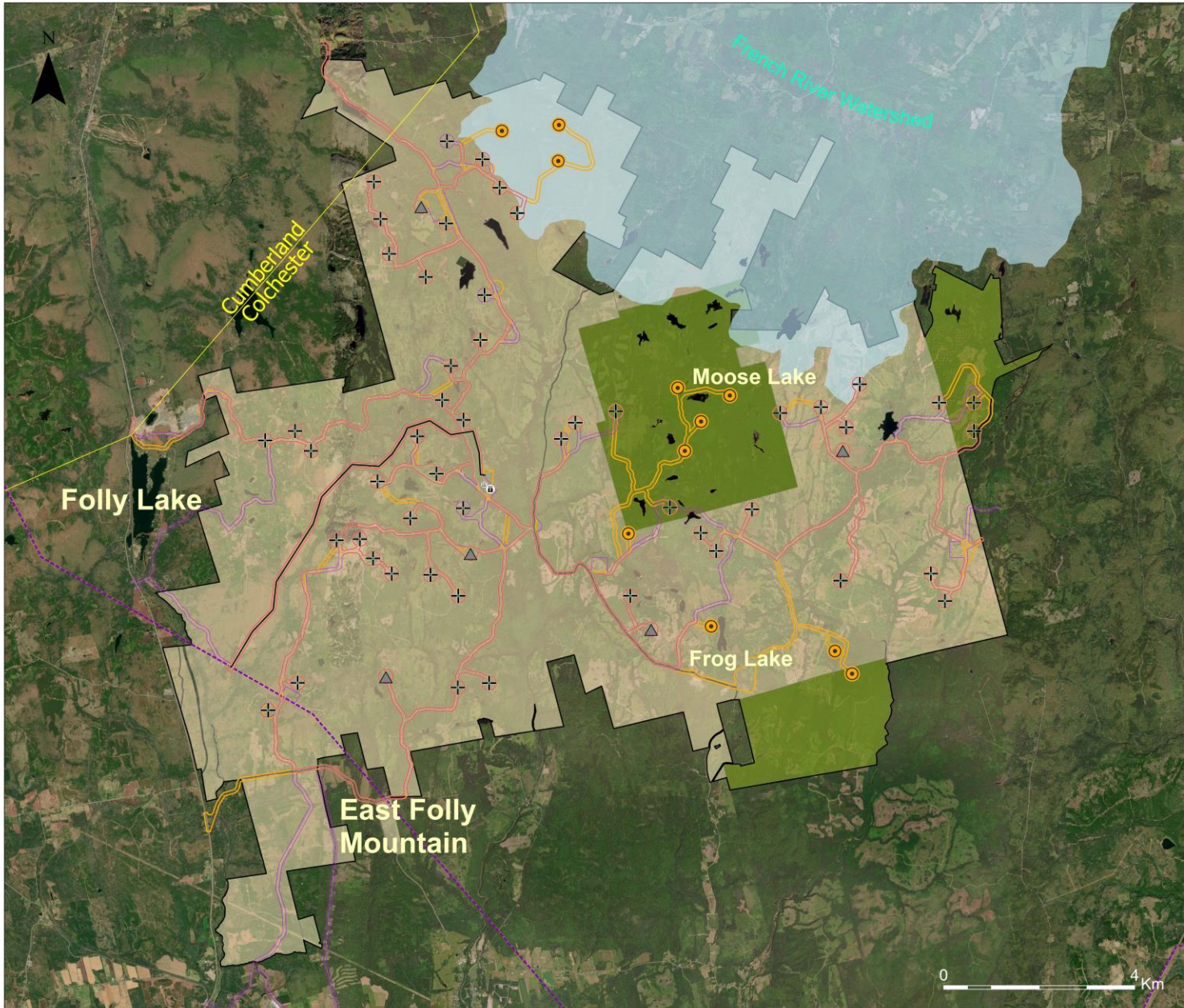
- ✓ **Hosted this Open House** for a chance for the community to learn more and ask questions

Folly Lake Visual Simulations



Designed a Better Windy Ridge Project

Maps and Visual Simulations



Windy Ridge Site Plan

- Proposed Operation and Maintenance Building
- Proposed Substations
- ▲ Alternate Turbines
- + Proposed Turbines
- Removed Turbines
- Interconnection Line - 345 kV
- Windy Ridge NEW LAYOUT
- Windy Ridge OLD LAYOUT
- Transmission Line - 138 kV
- French River Watershed
- Project Boundary
- Private Lands
- Crown Lands

RENEWABLE ENERGY SYSTEMS



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Land Conservation & Mainland Moose

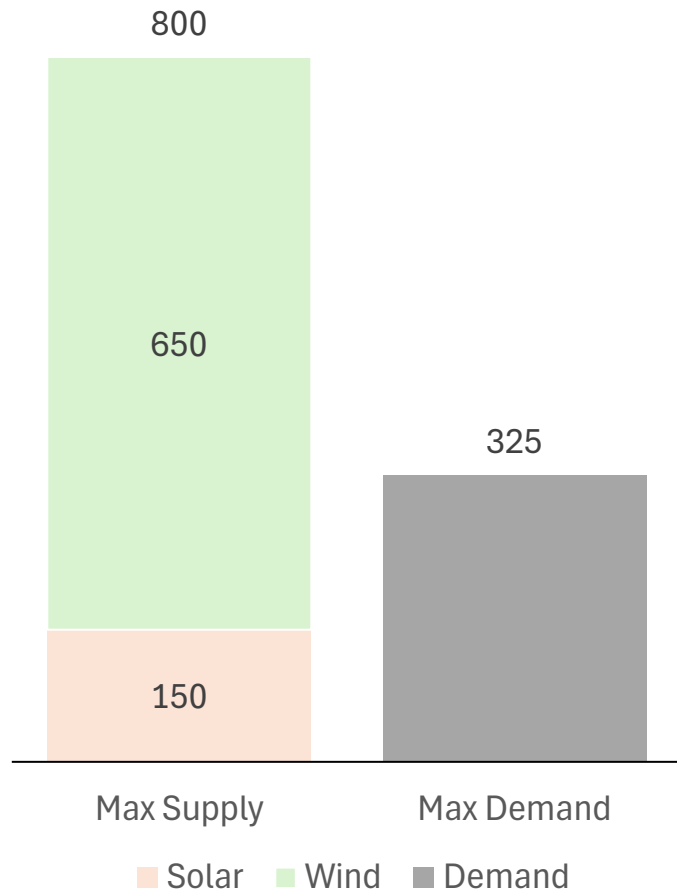
- We are interested in contributing to large-scale land conservation in the area
- Only approx 4% of the lands under wind lease will be cleared for project construction; that leaves a considerable area untouched & offers conservation opportunities
- What does a Moose 'Corridor' mean:
 - Limiting industrial timber harvesting
 - Potentially utilizing the concepts of community forests
 - Connectivity between protected areas (i.e Wentworth Valley Wilderness Area, Cook Conservation Lands, Staples Brook Nature Reserve)
- We want to be a catalyst but cannot undertake this alone!
- We'd like to convene a working group of moose experts in government, academia, Rightsholders & interested parties to operationalize the Mainland Moose Recovery Plan

Overview of Windy Ridge Project

Project Capacity	~340 MW
Ownership	EverWind & First Nations ownership Minority Community-Owned (CEDIF)
# Turbines**	Up to 50 Turbines
# Turbines on Private / Crown Land	Up to 4 on Crown Land Up to 46 on Private Land
Turbine Model	Nordex N163 7.0 MW
Hub Height	118 m (387 ft)
Blade Length	81.5 m (267 ft)
EA Submission to Province	March 2024
Anticipated Construction Permits	Fall 2024
Target Start of Construction	Spring 2025
Target Commercial Operation	Fall 2026

Green Hydrogen Benefits for Nova Scotia

- **Economic benefits:** billions of dollars of investment resulting in jobs, provincial revenue, industry development
- **Greening of the grid – paid for by private capital NOT ratepayers**
 - **Flexible buyer** of power is needed for intermittent renewables
 - **Green hydrogen** for long periods w/ no renewables (Clean Power Plan 2030)
 - Excess green energy provided to the grid
 - \$10+ million direct payments to grid costs plus millions more in system benefits



Direct Benefits to Colchester Residents

For both Windy Ridge & Kmtnuk

- **Municipal tax:** \$152 million in municipal tax revenue over project life
- **Jobs:** 20-30 P/T and F/T jobs during operations, 350-400 construction
- **Voluntary Community Benefits:**
 - **\$300,000** per year proximity payment – *Residences within 3km distance of the closest turbine will receive a proximity payment of approximately \$1,000 annually for the life of the project (35 years) based on presented layout*
 - **\$100,000** per year vibrancy fund
 - **\$50,000** scholarships

Binding Community Benefits Agreement to be signed with Colchester County

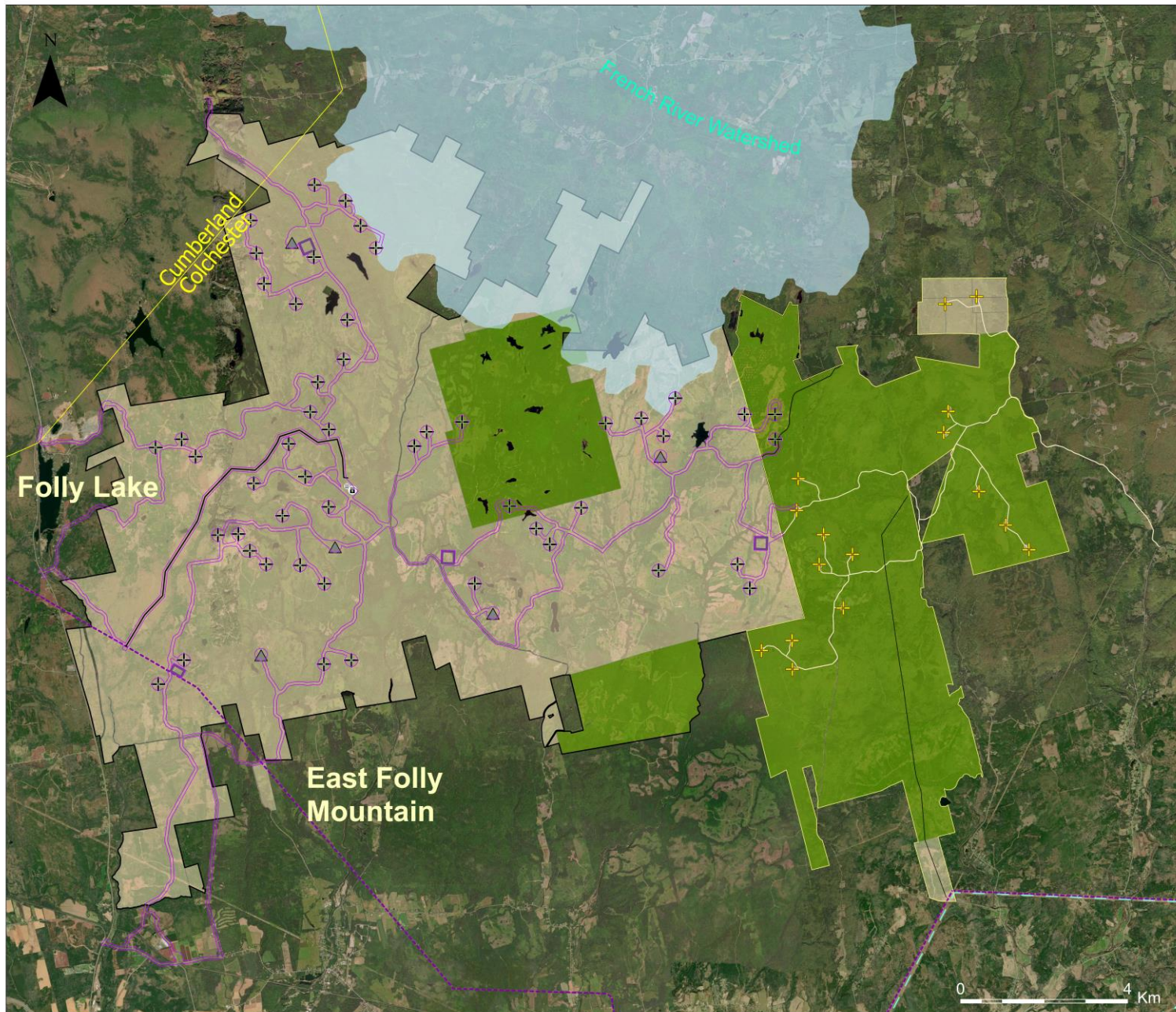
Conclusion

- ✓ Nova Scotia as a leader in clean energy
- ✓ Windy Ridge is here to partner with Colchester County
- ✓ We're here to listen and do things the right way

Thank You

- ✓ Email us any additional questions you may have
 - windyridgewind@everwindfuels.com
 - We will compile a list of questions and provide you with answers
- ✓ Sign up for our mailing list
 - www.windyridgewind.com
- ✓ Visit our follow-up Open House
 - February 13th, from 3 – 7 PM (drop-in anytime) at the Debert Hospitality Centre

Question & Answer



Windy Ridge Kmt nuk

- Proposed Operation and Maintenance Building
- Proposed Substations
- ▲ Windy Ridge Alternate Turbines
- + Windy Ridge Proposed Turbines
- + Kmt nuk Proposed Turbine
- Proposed Interconnection Line
- Windy Ridge Proposed Layout
- Kmt nuk Proposed Layout
- Existing 345 kV Transmission Line
- - - Existing 230 kV Transmission Line
- Windy Ridge Project Boundary
- Kmt nuk Project Boundary
- Private Lands
- Crown Lands
- French River Watershed

RENEWABLE ENERGY SYSTEMS



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