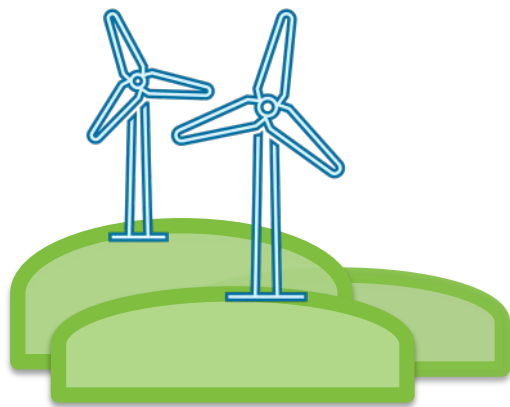


ELLERSHOUSE III WIND PROJECT & PANUKE LAKE WIND PROJECT



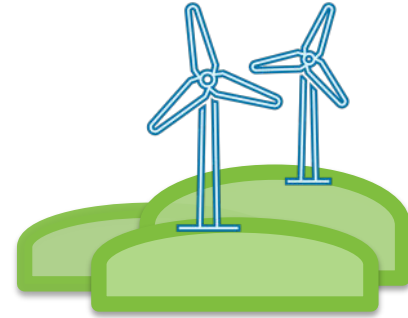
VIRTUAL OPEN HOUSE

November 23, 2021
7:30PM – 8:30PM



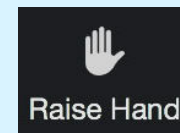
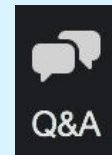
ELLERSHOUSE III WIND PROJECT

PANUKE LAKE WIND PROJECT



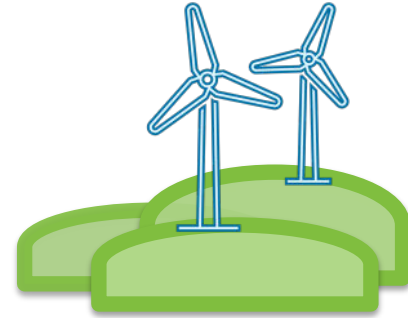
Have a Question?

- During the presentation – Type your question in the **Question and Answer** box
- During the Q&A Session – Press the **Raise Hand** button to ask your question using your microphone or type your question in the **Question and Answer** box



ELLERSHOUSE III WIND PROJECT

PANUKE LAKE WIND PROJECT



- **Team Introduction**
- **Nova Scotia Renewables Procurement**
- **Ellershouse III Wind Project & Panuke Lake Wind Project**
- **Environmental Assessment (EA)**
- **Visual Assessment and Simulations**
- **Development Timeline**
- **Community Benefit and Community Engagement**
- **Q&A**
- **Contact Information**



TEAM INTRODUCTION



Potentia Renewables Inc. (PRI) is a Canadian developer, owner, and operator of renewable energy assets with over 1,100 MW across ~800 solar and wind projects that are in operation, under construction or under contract.

PRI is owned by Power Energy Corp., a wholly-owned subsidiary of Power Corporation Canada, a company listed on the Toronto Stock Exchange.

PRI's team has developed and constructed, and/or owns and operates one-third of the rooftop solar installations and 10% of built wind capacity in Canada.



The Alternative Resource Energy Authority (AREA) is comprised of three municipalities in Nova Scotia: Mahone Bay, Antigonish, and Berwick.

Collectively the municipalities own AREA, and AREA owns and operates the 23.5 MW Ellershouse I & II wind farms.

In 2020, AREA conducted an RFP to select a development partner and chose PRI to develop and submit the Ellershouse III and Panuke Lake wind projects for the upcoming Nova Scotia procurements.



NOVA SCOTIA PROCUREMENT PROGRAM

RATE BASE PROCUREMENT

In July 2021, the Nova Scotia government announced that it will add 350 MW of renewable, low impact electricity to the provincial electricity grid through a Rate Base Procurement (RBP).

The province will issue a request for proposal (RFP) to independent power producers like PRI to develop renewable energy projects and sell electricity to Nova Scotia Power Inc. under a Power Purchase Agreement (PPA).

RFP TIMELINE

Province of Nova Scotia



**Early March
2022**

RFP will be
released

**Early June
2022**

Power
producers
submit
proposals

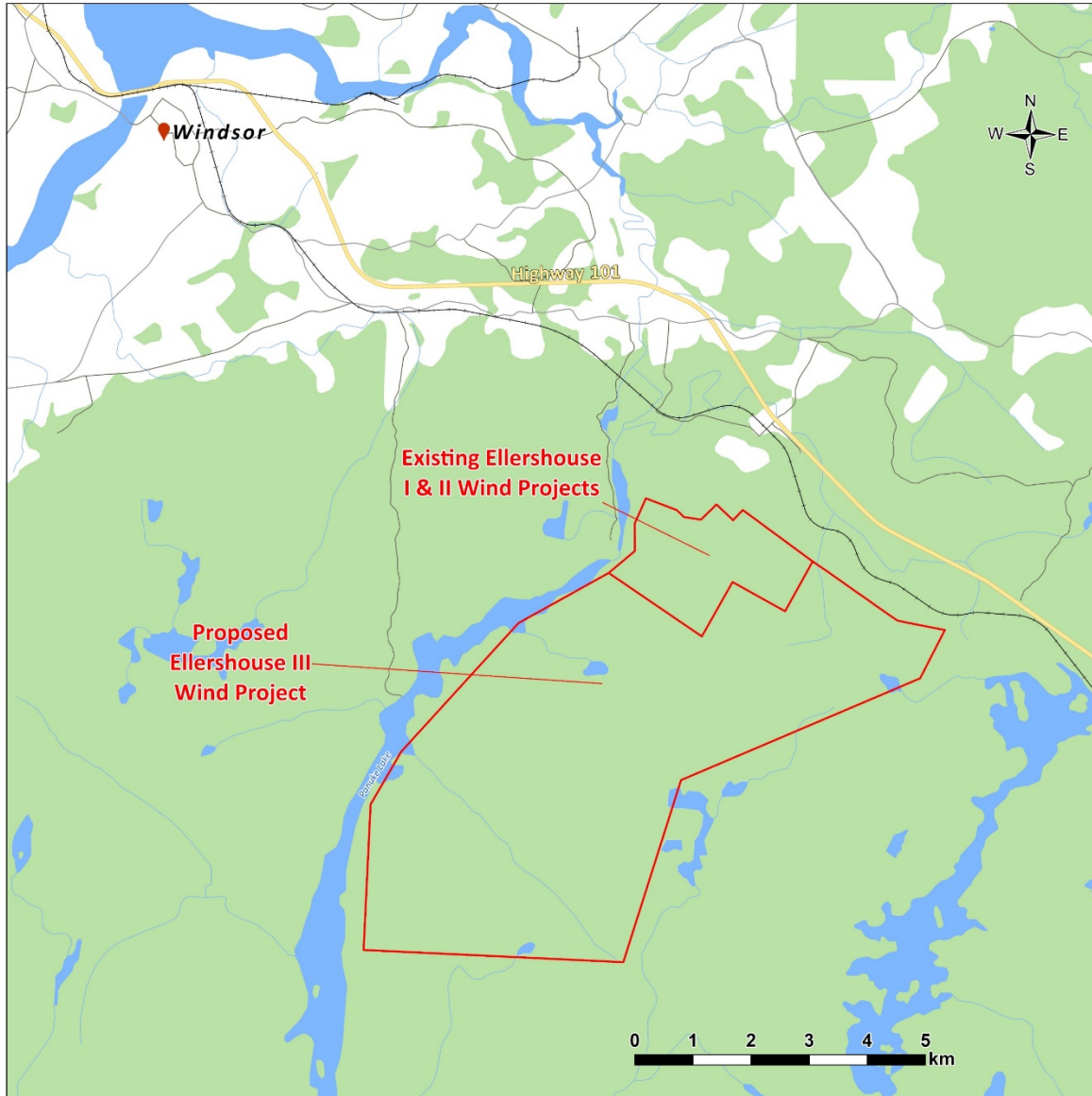
**Mid August
2022**

Successful bidder
of the RFP will be
announced

**Early October
2022**

Execution of PPA
for the selected
proposals

ELLERSHOUSE III WIND FARM: OVERVIEW



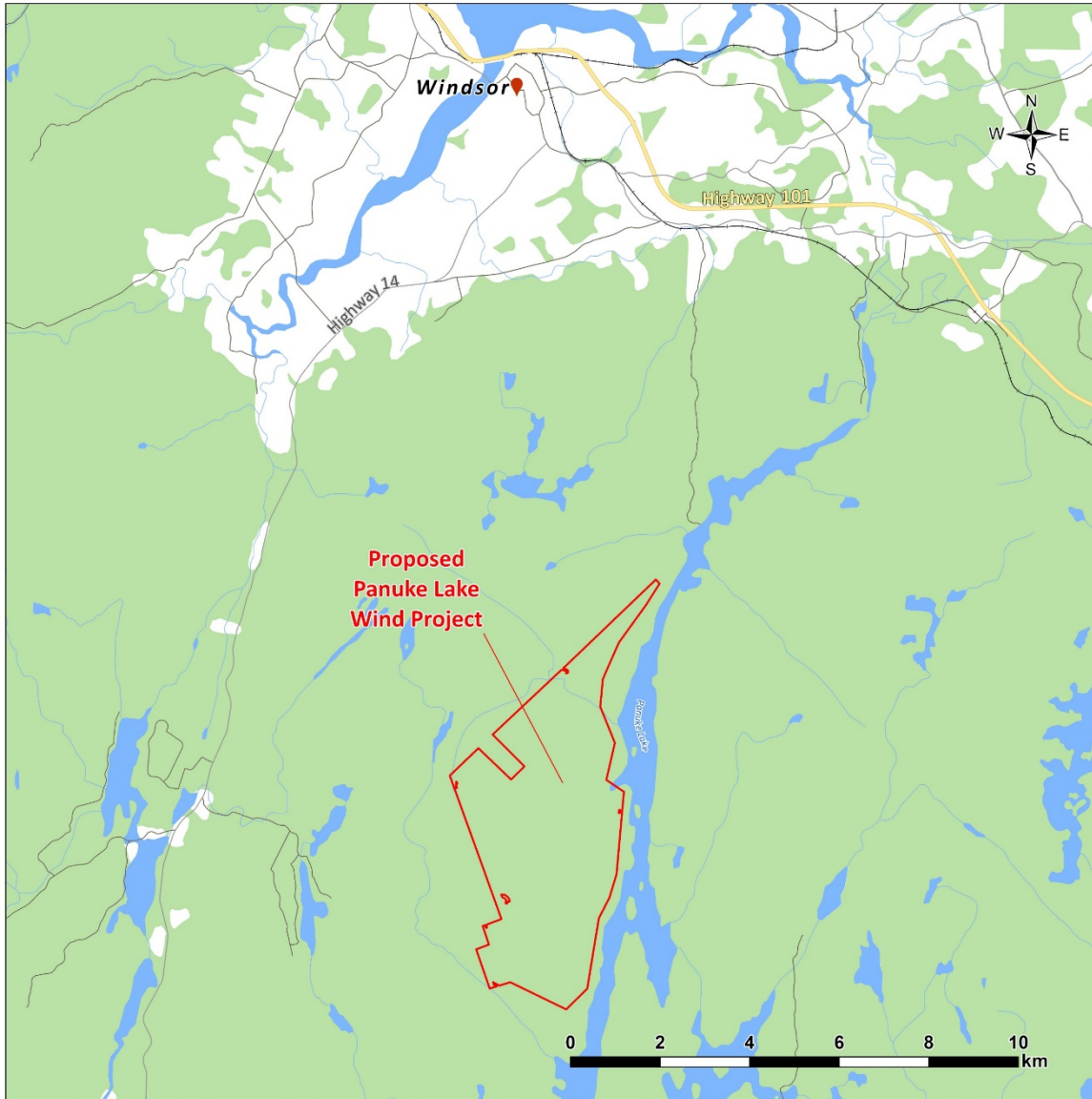
Location: immediately south of the existing Ellershouse I & II Wind Farms

Size: Planned to be up to 12 wind turbines with a capacity of 66 MW producing 200,000+ MWh annually

Point of Interconnection: connect to the grid near the St. Croix substation

Development Timeline: construction would start in late 2023 or early 2024 and electricity could begin flowing to the grid in late 2024

PANUKE LAKE WIND FARM: OVERVIEW



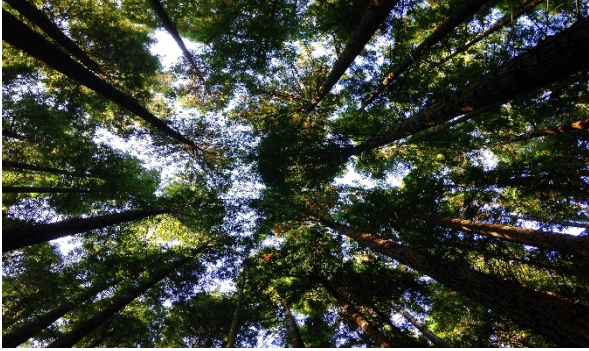
Location: west of Panuke Lake, approximately 8.5 km to the northeast of Vaughan, Nova Scotia

Size: Planned to be up to 14 wind turbines with a capacity of 77 MW producing 235,000+ MWh annually

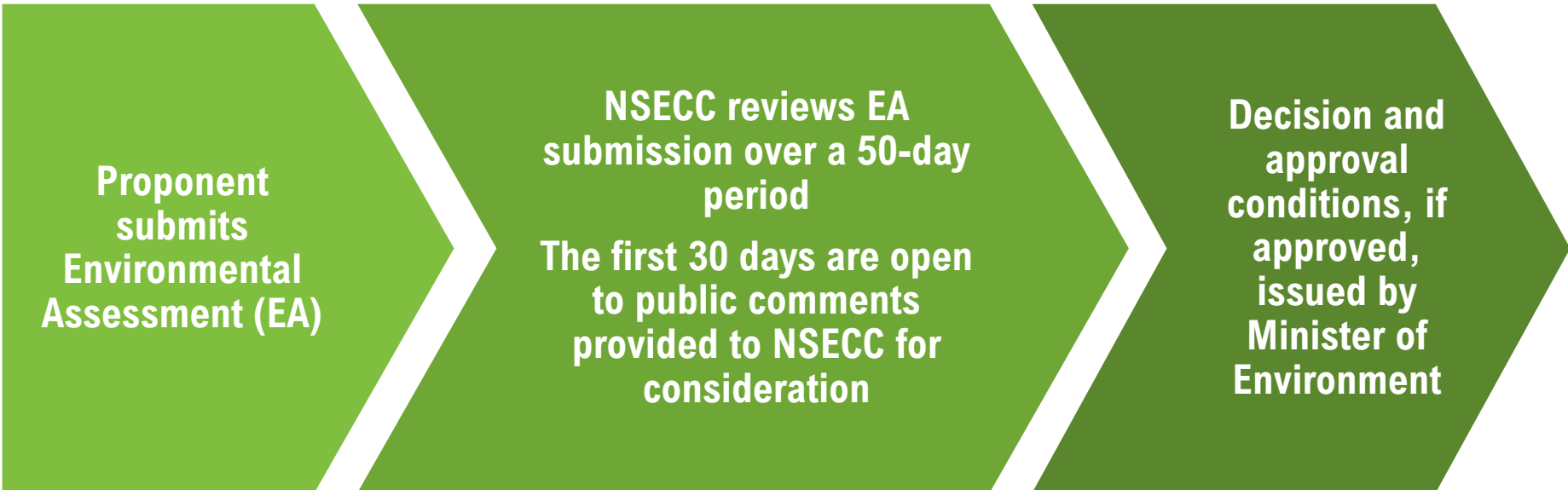
Point of Interconnection: connect to the grid through the existing Nova Scotia Power Inc. transmission line that transects the proposed project area

Development Timeline: construction would start in late 2023 or early 2024 and electricity could begin flowing to the grid in late 2024

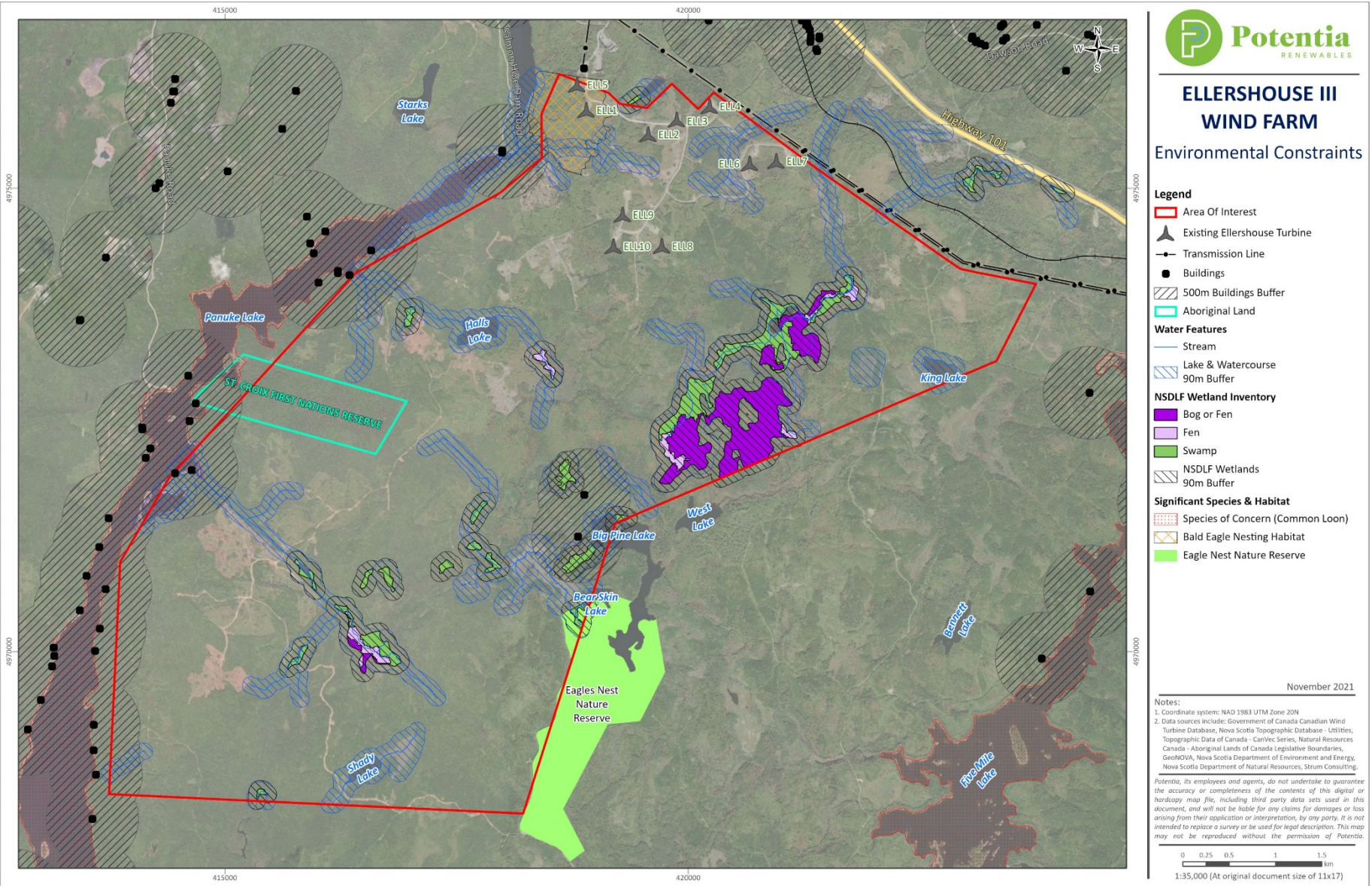
ENVIRONMENTAL ASSESSMENT (EA)



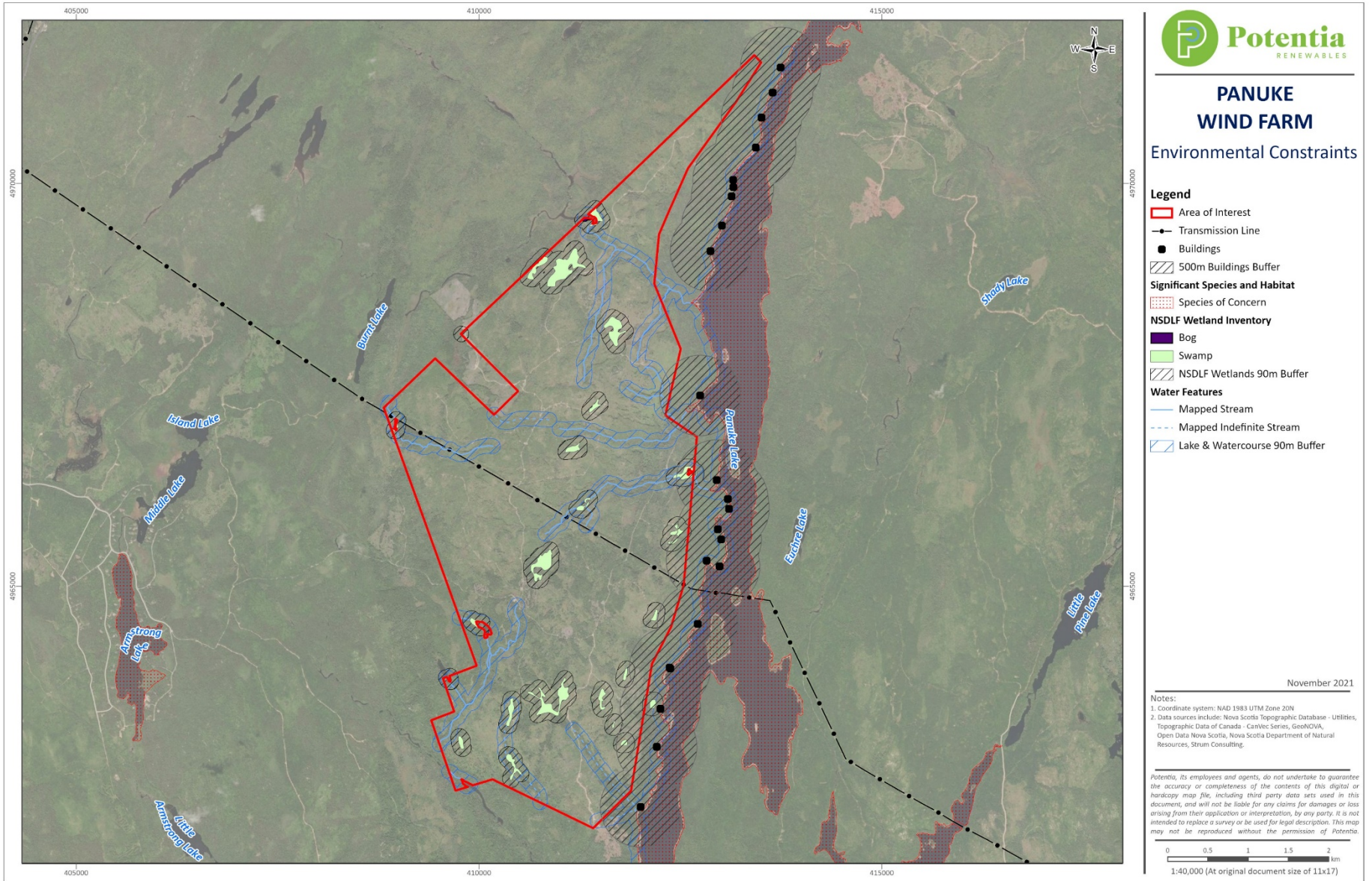
An EA is required by Nova Scotia Environment and Climate Change (NSECC) for wind energy projects 2 MW or larger to assess any potential effects of a project on the natural environment, community stakeholders and the public



ELLERSHOUSE III WIND FARM: ENVIRONMENT CONSTRAINTS



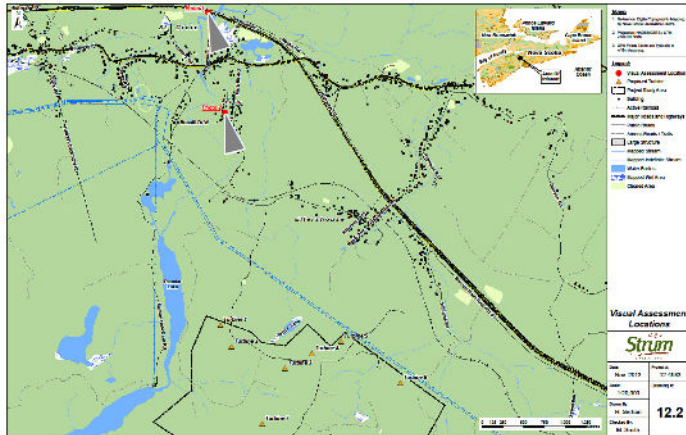
PANUKE LAKE WIND FARM: ENVIRONMENTAL CONSTRAINTS



ENVIRONMENTAL STUDIES TO BE COMPLETED

Studies	Description
Wildlife	<ul style="list-style-type: none"> • Migratory birds and bat wildlife are studied for a minimum of one year prior to EA submission • Bats are studied during the spring, summer, and fall seasons when they are active within the same year
Plants	<ul style="list-style-type: none"> • Wildlife habit and rare plant species studies
Wetland and Watercourses	<ul style="list-style-type: none"> • Delineation of wetlands in the field to validate desktop studies and confirm infrastructure setbacks • Evaluation of watercourses and waterbodies to identify presence of fish and fish habitat
Geotechnical	<ul style="list-style-type: none"> • Geotechnical studies will be conducted to understand the local geology and help with the design, engineering and construction
Sound and Shadow Flicker	<ul style="list-style-type: none"> • Modeling to understand the predicted sound levels at local receptors • Modeling to identify shadow flicker amounts
Visual Simulation	<ul style="list-style-type: none"> • Simulations of the project from various viewpoints
Cultural and Heritage Resources	<ul style="list-style-type: none"> • Desktop and field studies for culturally- and historically-sensitive features • Mi'kmaq Ecological Knowledge (MEK) study will be conducted to gather traditional ecological knowledge in the project area
Socio-economic Assessment	<ul style="list-style-type: none"> • Potential impacts of the project on social and economic factors (e.g. employment, transportation, recreation, etc.)

VISUAL ASSESSMENT AND SIMULATIONS



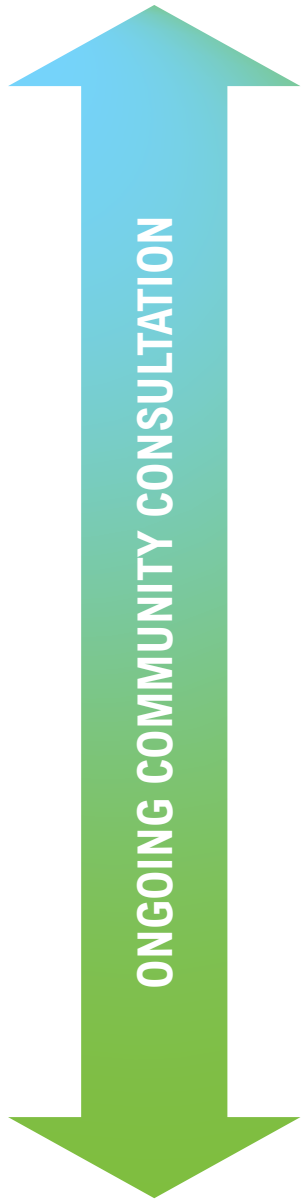
Visual simulations help us, and the community, understand what the wind project will look like once it is built.

At this early stage in development, we have not finalized layouts, so we have provided an **example of a visual assessment from the existing Ellershouse Wind Farm below.**



Visual simulations will be created when we develop our layouts further and will be included in later newsletters and on our project websites.

DEVELOPMENT TIMELINE



2021

- Early technical studies (wind measurement, engineering, and interconnection), desktop environmental review
- Stakeholder and Mi'kmaq consultation
- Open House
- Community feedback

2022

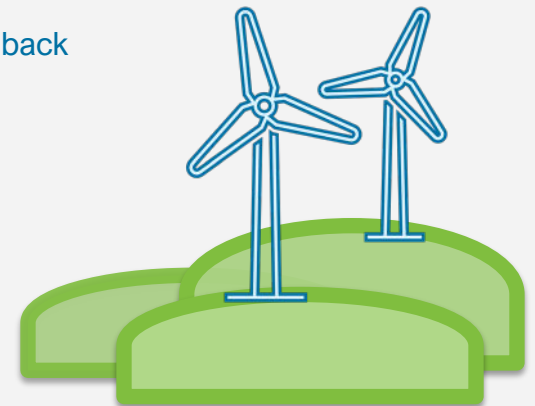
- Submit proposal to province
- RFP winners announced
- Continued technical and environmental studies
- Ongoing consultation and community feedback
- Project permitting starts

2023

- Continued permitting
- Continued consultation and community feedback
- Detailed engineering

2024

- Construction start
- Turbine delivery and installation
- Begin operation



COMMUNITY BENEFITS

How do wind energy projects support the local community?

Economic Support & Development	<ul style="list-style-type: none">• Community Fund – \$1,000 per turbine per year to a local community fund for the duration of the 25-year renewable energy contract• Provide additional tax revenue to the Municipality of the District of West Hants• Create construction jobs and increase demand for local supplies and services, such as food and lodging
Training, Skills Development & Shared Knowledge	<ul style="list-style-type: none">• Work to understand local employment and training gaps and help to fill them• Create opportunities for local training with provincial institutions• Offer tours to the local community
Employment Opportunities	<ul style="list-style-type: none">• As projects develop further, opportunities for local employment will increase• A variety of full time and part time suppliers, contractors and local consultants will be required to build, operate and maintain the project long-term
Student Bursaries	<ul style="list-style-type: none">• To be discussed with local partners• Open to receiving suggestions from the community

As we continue to expand our local partners, PRI is open to working with the community and participating in current programs that have already been established.

COMMUNITY ENGAGEMENT

We are committed to listening to and engaging with the community. Community members will play leading roles with early planning activities, including:

- Providing key information about the local area, including sensitive or unique environmental, cultural or community features, and locations of potential noise receptors
- Helping develop a list of local businesses and services that could work with us
- Volunteering for the Community Liaison Committee (CLC)



If you are interested in joining the CLC or know of a good candidate, please contact us by email or by visiting the project website:

ELLERSHOUSE III WIND PROJECT

ellershouseiiiwind@potentiarenewables.com

www.ellershouseiiiwind.com

PANUKE LAKE WIND PROJECT

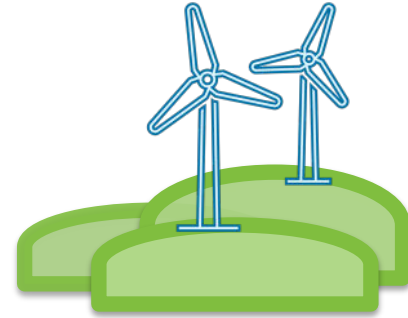
panukelakewind@potentiarenewables.com

www.panukelakewind.com

The Community Liaison Committee (CLC):

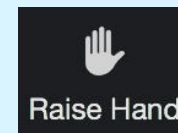
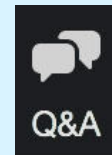
- Serves as a link between the community and the development team
- Brings local ideas, concerns, and interests to the table
- Represents landowners, residents, business-people, and community groups and/or organizations
- Meets 3-4 times a year
- Voluntary commitment
- Does not require that you are in favour of the project

ELLERSHOUSE III WIND PROJECT PANUKE LAKE WIND PROJECT

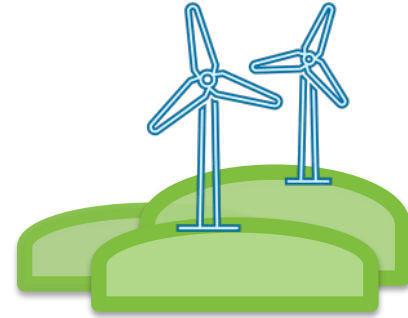


Have a Question?

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Thank you for attending!

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