

Melvin Lake Wind

A significant source of renewable energy and opportunity in East Hants

Presentation to East Hants Council

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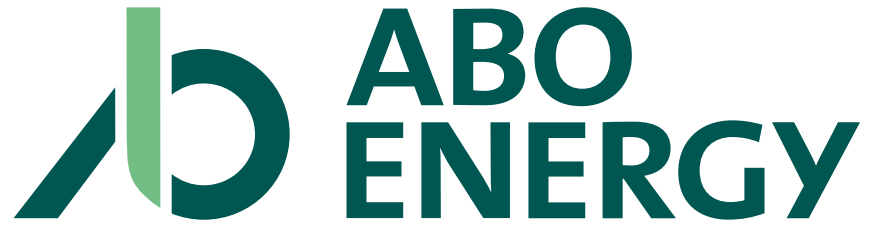
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Agenda

- 01** Company and New Name
- 02** Green Choice Program
- 03** Melvin Lake Wind Update
- 04** Activities and Next Steps



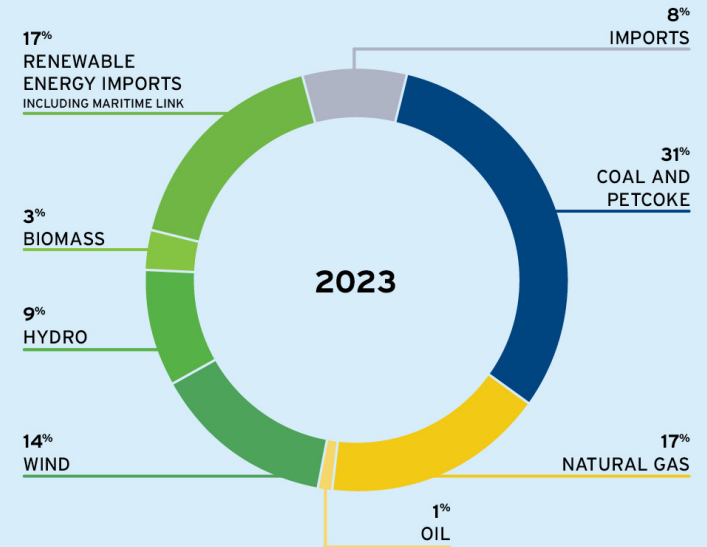
- Global track record of success in renewable energy with a growing local presence
- 27 years experience in renewable development, +5 GW developed and +2.5GW in long term O&M
- Operations in 16 countries, in Canada since 2017
- Growing and diverse renewable potential in Atlantic Canada – Halifax base with 11 employees



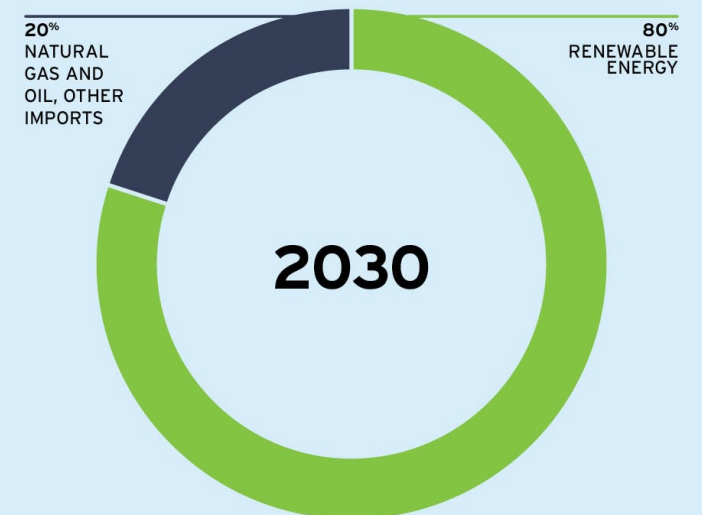
More Access to renewable energy in Nova Scotia

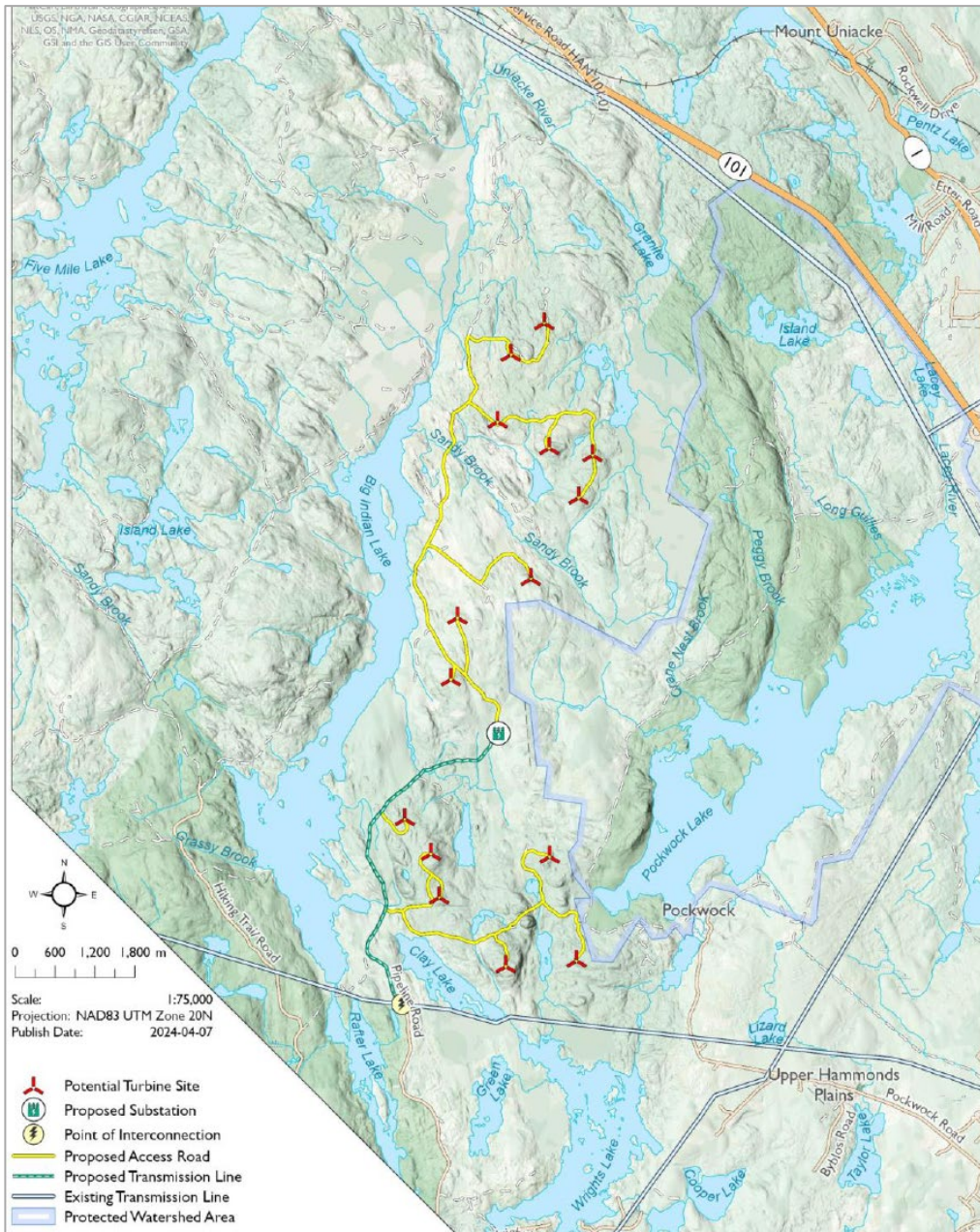
- Melvin Lake Wind project is being developed for the Green Choice Program (GCP) procurement round in **June 2024**.
- Collective effort to meet provincial and federal goals to reach 80% renewable energy and move off coal by 2030.
- GCP will allow large energy customers in the province to purchase up to 100% of electricity from local renewable energy sources.
- **Melvin Lake Wind is 115.5 MW** – equivalent to powering more than 40,000 homes annually and displacing over 2,000,000 tonnes of CO2 equivalent during its lifetime.

WHERE YOUR ENERGY COMES FROM NOW

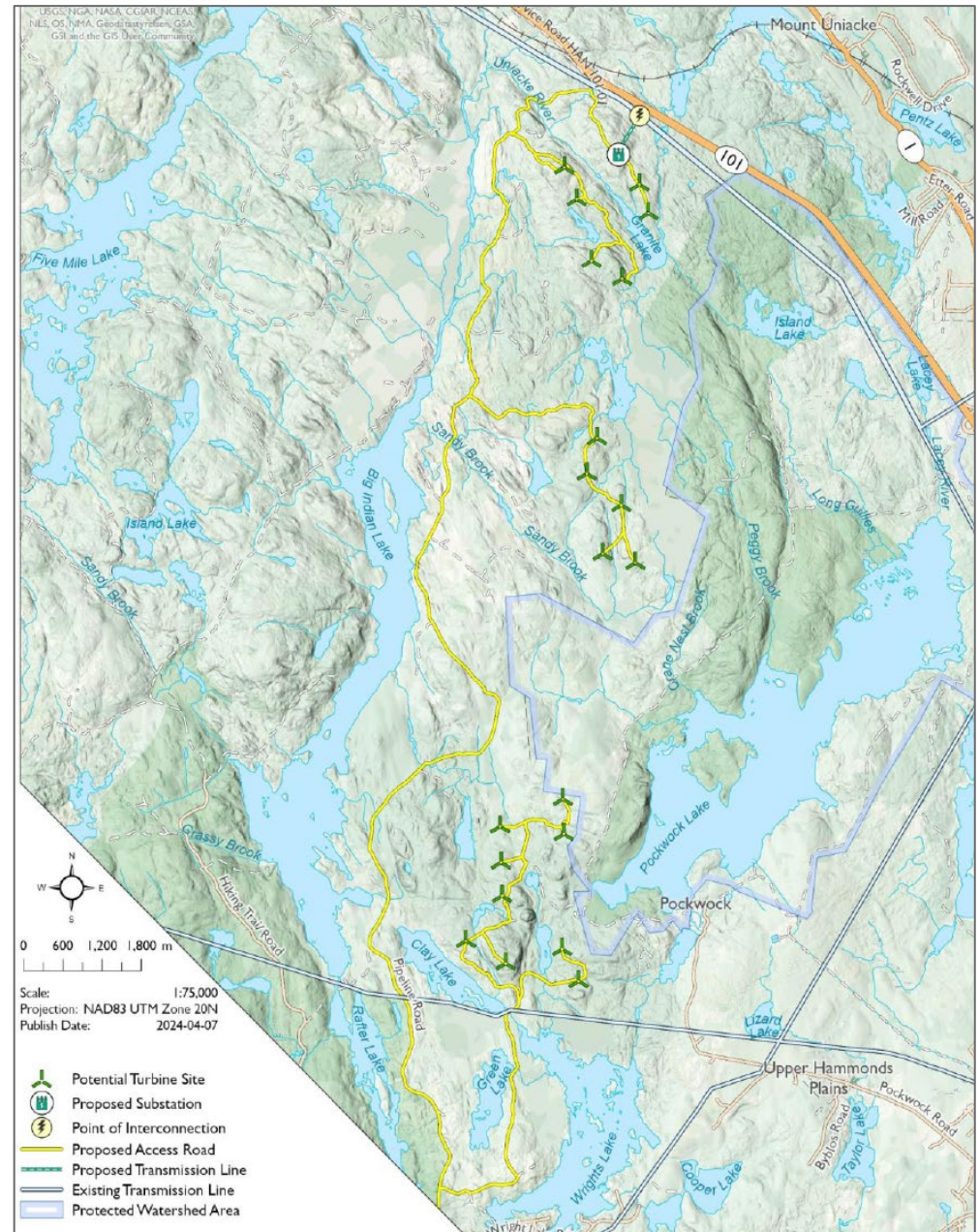


WHERE WE'RE HEADED





Layout Change



2023

2024

Project Opportunities

A Project of significant value: \$275-300M



Opportunities right here - Local Economic Development Policy for workers and procurement, Indigenous Inclusion Policy, direct and spinoff benefits. **75-125 jobs during construction, 2-5 long-term** for operations and maintenance.



Community Benefits - Funding for community causes and organizations nearby to help local initiatives for the life of the Project.



Municipal Tax Payments - \$20-25M to the municipalities for local services and infrastructure over the ~25-year lifetime of the project (*Wind Turbine Facilities Municipal Taxation Act*)



Health Benefits - Offset of emissions that would otherwise be emitted through burning fossil fuels. Electricity is generated without emitting greenhouse gases, air pollutants or any use of freshwater

Construction Overview

- Wind turbines (transport to site, erection)
- Wind measurement equipment – MET (installation, etc.)
- Access roads (clearing and other civil works)
- Electrical transmission lines and collector lines (geotechnical, transmission line installations, etc.)
- Substations (electrical)
- Operations and Maintenance Facilities

Activity Update



Environmental Studies

- Studies ongoing, will be completed in 2024
- Wildlife, wetland and watercourse surveys have been informative, resulting in some turbine adjustments.
 - Identification of old growth stands to avoid, no evidence of Mainland moose observed, potential habitat has been identified and documented.
- Construction footprint and disturbance of regular activity reduced to prioritize use of existing access roads
- Analysis of shadow flicker, visualizations/renderings of turbine locations, expected sound levels, all within thresholds



Activity Update

Development Planning

- +2 years of on-site wind measurement data using LIDAR, MET Tower installed, 2nd LIDAR installed, measurement ongoing
- Access and transportation planning ongoing, including emergency access and road upgrade requirements
- Development of Emergency Management Plan, informed by industry and ABO best-practice and local emergency responders
- Some limited access to public during active construction. Otherwise, general recreational activity can continue in the area



Activity Update



Local Engagement

- **April 2024** - 3rd and 4th open houses for Project held in Mount Uniacke and Upper Tantallon area
 - Informational posterboards from Open Houses and FAQs available on www.melvinlakewind.ca
 - GIS technicians on-hand with interactive mapping station
 - Drop-in style posterboards, ABO staff and 3rd Party Consultant
 - Advertised through mass mailout (7000+ residents), website, newspapers, and e-mail distribution to all contacts and elected officials
- General feedback mainly positive (questions on timeline, access, recreational use, environmental studies, distance to homes)
- Community Liaison Committee (CLC)
- Other ongoing engagement activities (key stakeholder groups, residents, First Nations)



Next Steps



- **Ongoing:** Consultation and engagement, Project planning and engineering
- **May-June 2024:** Finalizing Green Choice bid, seeking **Letters of Support**
- **June 28, 2024:** Project submitted into Green Choice Program
- **September 2024:** Anticipated Green Choice Project award
- **2024-2025:** Further data collection and field studies for Q1 2025 Environmental Assessment submission
- **2025-2026:** Construction anticipated to begin with tree clearing and access roads
- **2027-2028:** Commissioning – the Project is producing clean energy!





Thank you.



melvinlakewind.ca
(FAQ, Posterboards)



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