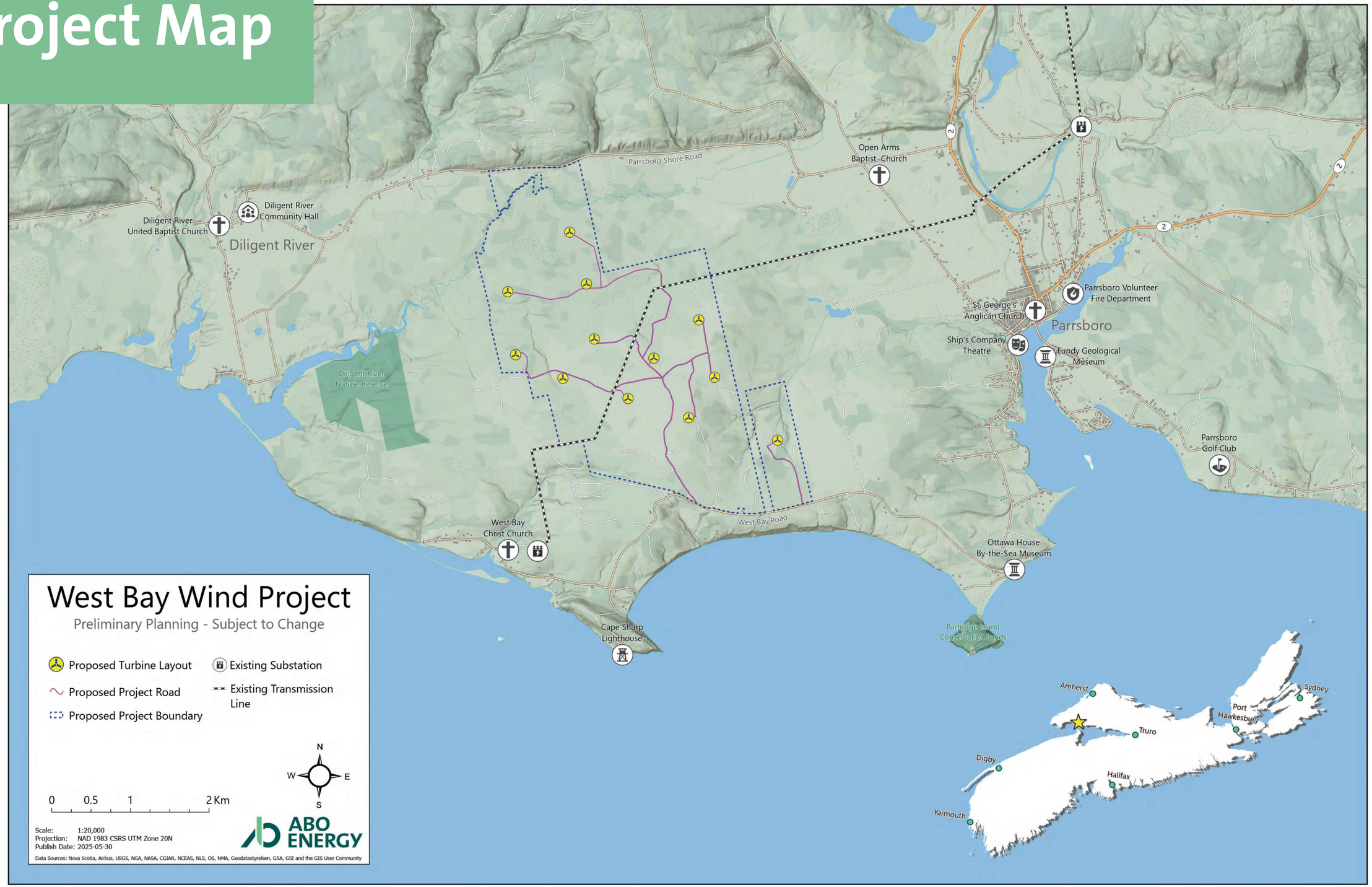
Project Map



West Bay Wind Project

Preliminary Planning - Subject to Change

- Proposed Turbine Layout
- Proposed Project Road
- Proposed Project Boundary
- Existing Substation
- Existing Transmission Line

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W E
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0 0.5 1 2 Km

Scale: 1:20,000
Projection: NAD 1983 CSRS UTM Zone 20N
Publish Date: 2025-05-30

ABO ENERGY

Welcome

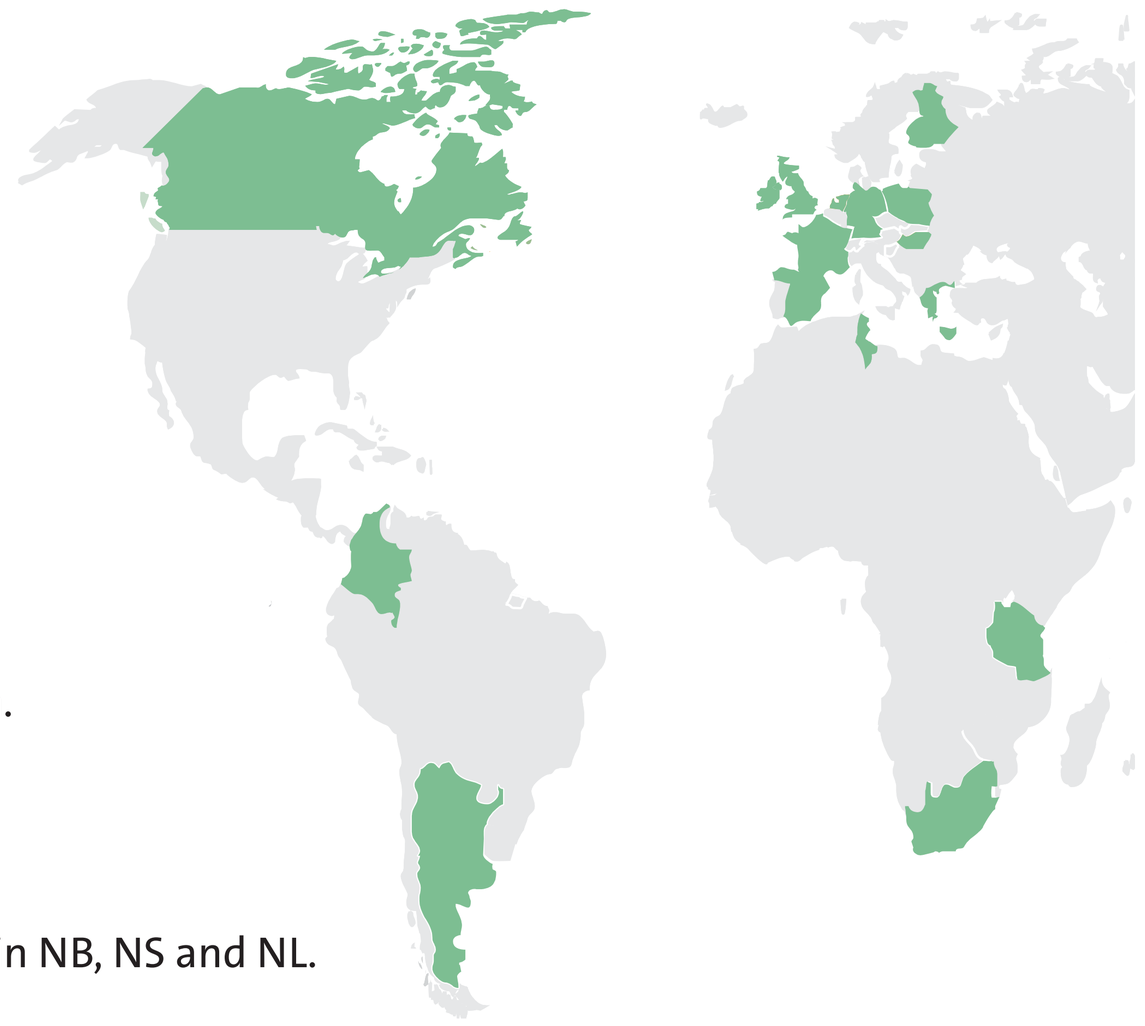
West Bay Wind Project

Thank you for coming to our information session and welcoming us to your community. ABO Energy is committed to ongoing engagement, transparent dialogue, listening to feedback and working collaboratively with you.

Who is ABO Energy?

ABO Energy (formerly ABO Wind) has been a company since 1996 with 1300 employees worldwide, with more than 25 in Canada.

- Active in 16 countries in Europe, North and South America, and Africa. We take pride in our international expertise and our local focus.
- ABO Energy Canada started in 2017 in Calgary. We've planned and fully permitted Canada's largest wind farm to date - the 494-megawatt Buffalo Plains Wind Farm in Alberta. Construction on this Project is near completion.
- ABO is focused on wind, solar, battery storage and green hydrogen projects throughout Atlantic Canada.
- Our Halifax-based Atlantic Canada team is developing projects in NB, NS and NL.



Today, our local team is here to introduce the proposed West Bay Wind Project to you and hear your feedback.

Our team members are here to listen to you and provide information about this project currently being planned. We invite you to::

- Visit our posterboards that outline various elements of the Project.
- Provide feedback and ask our team any questions as you explore the posterboards.
- Fill out a comment card! Our team welcomes comments or questions and will follow up with you with more information as requested.

Visit our website, **www.westbaywind.com** to stay up to date on the Project

If you have questions or feedback at any time after this session, we invite you to reach out!

Heidi Kirby, Communications and Engagement Lead (Atlantic)
heidi.kirby@aboenergy.com | 902-329-9907

About the West Bay Wind Project

ABO Energy is proposing an **onshore, grid-tied wind project** that will create economic opportunities and clean energy right here in Cumberland County.

The project is still in the **early stages of planning.** There are plenty of steps ahead. We invite you to join our journey – community voices are key to help shape the project!

- There's lots to come, including more environmental studies, community and Mi'kmaq engagement, submitting the project into a province-wide competitive process for selection, an environmental assessment registration and many more studies including desktop and land-based engineering work.

Today is about introducing ABO Energy and the proposed West Bay Wind Project, hearing your thoughts and answering your questions.

Clean Power for Nova Scotia

West Bay Wind would harness the region's wind to create renewable energy to provide access to **more clean power to Nova Scotians.**

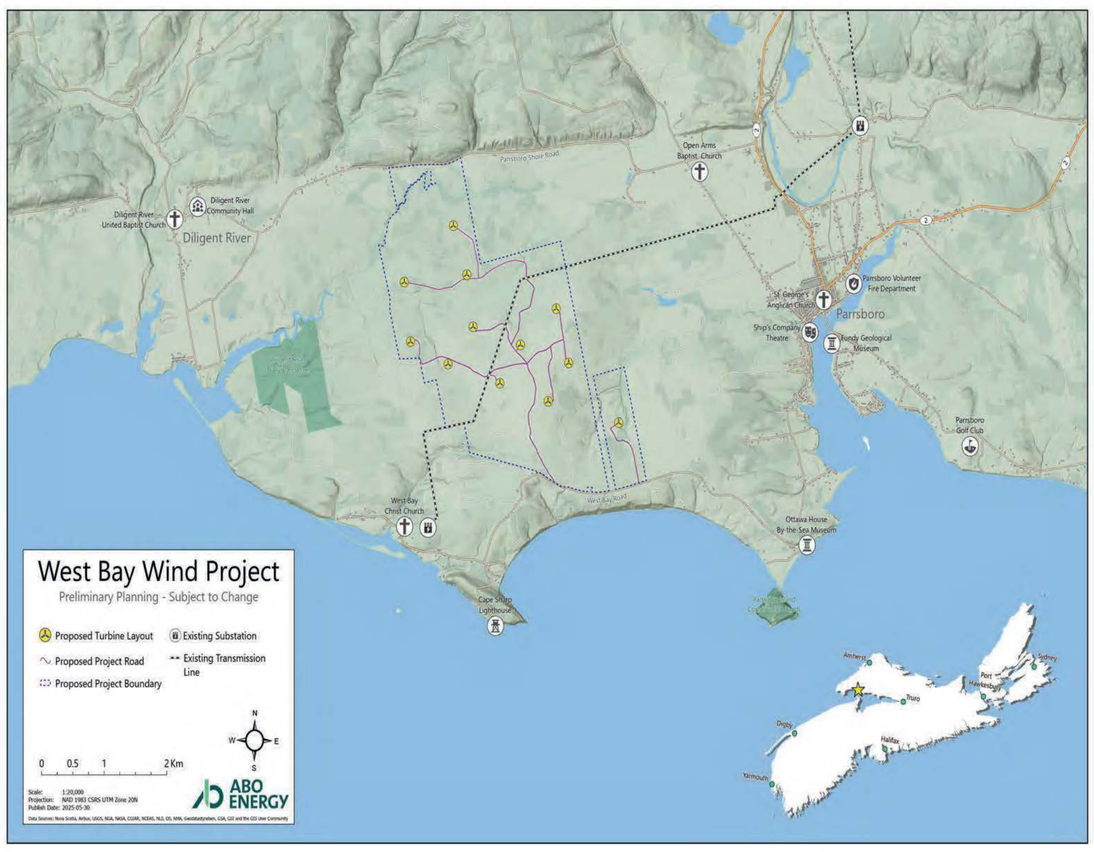
Learn more about wind power and why it's important for Nova Scotia's future at **www.putwindtowork.ca**.

The site contains FAQs about health and safety, the environment, jobs, and the economy. This education resource was created for Nova Scotians by Net Zero Atlantic.

Leveraging wind as a local renewable resource, the Project will help Nova Scotia meet the rising demand for reliable, clean energy as we shift away from using fossil fuels. The amount of renewable energy produced at wind farm could power more than **32,000 homes annually**!

- The Nova Scotia Clean Power Plan released in Fall 2023 supports the goal of the Province to achieve 80% renewables by 2030 in an effort to close out coal production.
- Wind and other renewables will help us reduce greenhouse gas emissions from electricity by over 90% by 2050.
- As part of this plan, the province intends to add 1000-megawatts of wind generation (to comprise approximately 30% of Nova Scotia's renewable energy mix) by this date by releasing two additional provincial procurements: one anticipated in 2025 or 2026, and the second in 2027.
- **ABO Energy is preparing this proposed Project for submission in the next provincial renewable energy procurement.** Approval of the Project will be subject to being selected in the procurement in addition to successfully completing the Province's Environmental Assessment process.

Project Details



Proposed Project area: Various layouts are currently being considered, including the 12-turbine layout proposed in the map above.

Location

- Approximately 2 km west of Parrsboro in Cumberland County, NS.
- Situated on Mi'kma'ki, the ancestral and unceded territory of the Mi'kmaq.

Site Benefits

- The site includes ~980 hectares of private land previously used for forestry.
- Over 77% of proposed roads already exist; and the site is over 1,000 m from the nearest residences.
- High wind speeds, previous forestry activity, private land lease access, distance from residential areas, proximity to transmission infrastructure, and road access.
- Meets and exceeds all setback requirements. Provincial regulations (2025): The setback for wind turbines cannot be more than four times the turbine height, unless a greater distance is required to ensure that sound levels do not exceed 40 decibels at the exterior of a dwelling and that shadow flicker on nearby residential dwellings does not exceed limits identified in the amendments.

Size

- To Be Confirmed Through Further Studies and Community Engagement
- Currently **12 turbines** proposed, with the potential for expansion to 22 turbines.
- 80-130 megawatts, depending on total number of turbines.
- Potential to power ~32,000 homes each year.
- Valued at $250 million CAD (subject to change)
- The turbines are estimated to be approximately 117 metres to the hub height – that's nearly 384 feet, or slightly more than the length of an NFL football field (360 feet long).

Local Engagement

- Engagement and open dialogue will continue through the life of the Project with stakeholders and First Nations. Our objective is to facilitate open, honest and respectful discussion with all those interested in the Project.
- At this early stage, we aim to work with you to understand current land use and any concerns you may have.
- Closer to construction, we look forward to further communicating specific contractor and employment opportunities.
- Currently, we are in the planning stage. There will be many opportunities to ask questions, make comments and provide input during the Project design stage prior to any construction.
- We will continue to provide Project updates and correspond on a timely basis, through our website, open houses, mail-outs, personal meetings and other communication channels.

Learn more and keep up to date by visiting
www.westbaywind.com

Project Timeline

Next steps toward renewable energy from Nova Scotia's wind

This timeline includes estimates and is subject to change.

Activity	Timeline
Engagement with Community, First Nations and Government	Ongoing
Environmental Field Studies and Wind Measurement	2024–2025
Environmental Assessment Submission*	Winter 2026
Submission into the Next Provincial Wind Procurement	2025–2026 (TBC)
Engineering and Geotechnical** Studies	2026–2027
Construction	2027–2028
Wind Farm Operations Begin	2029–2030

* The Project requires an **Environmental Assessment (EA) from the Nova Scotia government before construction can begin,** in addition to being awarded the Project through the Province's next wind procurement opportunity. The EA considers public feedback, field studies, and oversight from multiple government agencies.

Learn more about Nova Scotia's EA process

** Preliminary geotechnical studies have been completed on roads/some turbine locations, but there are more studies to come. This type of study evaluates the properties of soil and rock to determine their suitability for construction.

Learn more about ABO Energy's many stages of planning and development for wind farms, from start to finish

Project Opportunities and Community Benefits

A significant Project in the region, valued at $85-95 million in regional contract opportunities

Clean, renewable energy will create significant opportunities in the region and throughout New Brunswick, including employment, contracts, and many spin-off benefits from food/accommodations services, materials sourcing and more.

ABO Energy is committed to ensuring that those living nearby benefit from the Project.
We have many mechanisms we use to capture this mindset, including out Local Economic Development Policy, Indigenous Inclusion Policy, and Community Benefit Funds.

Regional Benefits

Local Contracts and Jobs, Spinoff Revenue

- ~80 jobs during construction, 1-3 long-term for operations and maintenance
- Many types and sizes of contracts to construct the project

Community Benefits

- Community funds during operations, including community and Indigenous benefit funds during the life of the Project
- Capacity building funding and initiatives for Nova Scotia Mi'kmaq in region

Tax Payments to Local Governments

- Annual payments to the municipal government each year during operations, as required by the Wind Turbine Taxation Act.
- For the 12-turbine layout, this is estimated at over $18,000,000 in total during the 25-year life of the Project.
- These payments significantly contribute to local services and infrastructure.

Health Benefits

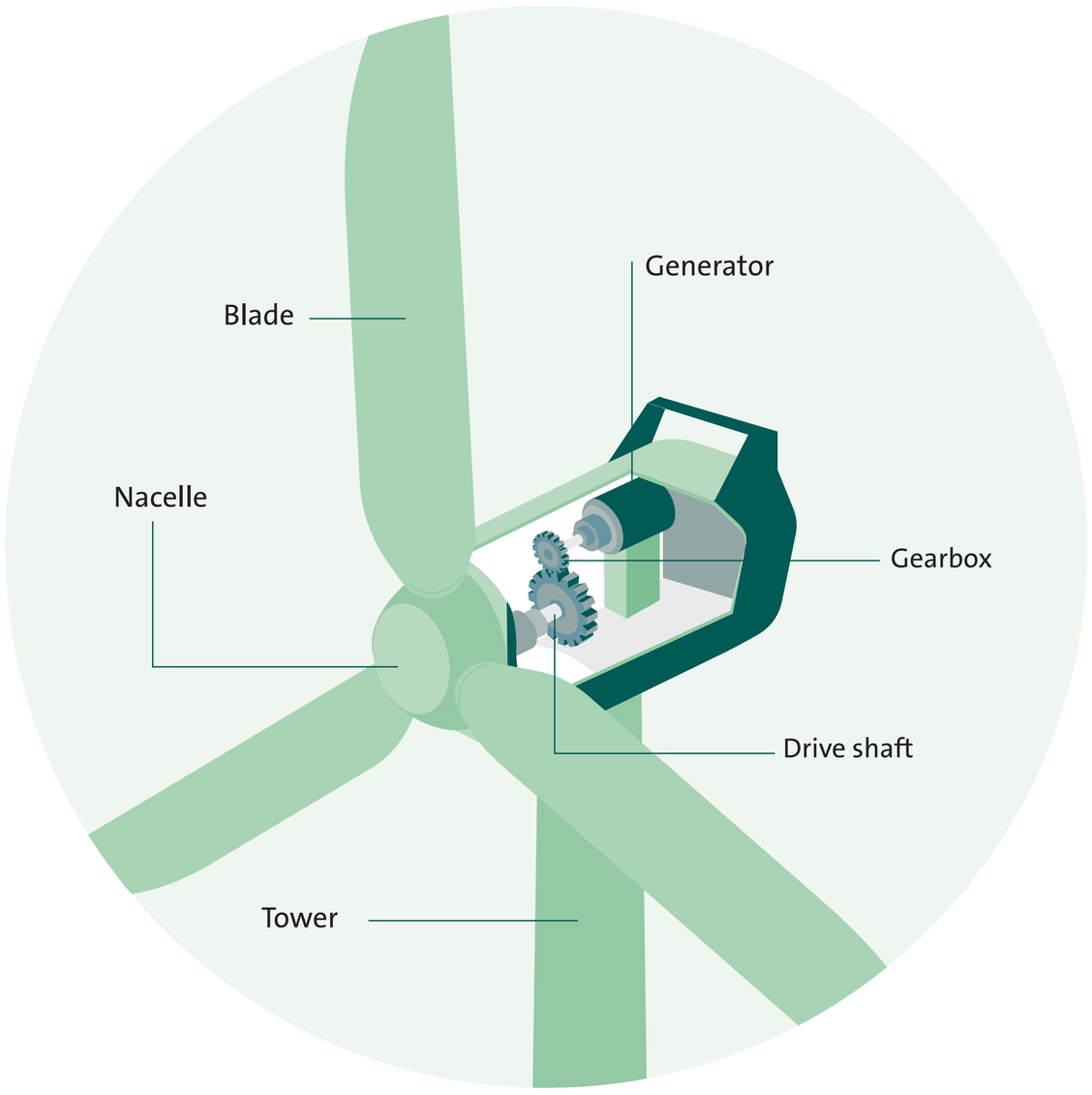
- The Project will offset emissions that would otherwise be emitted through burning fossil fuels
- It will generate clean, renewable electricity without emitting greenhouse gases or air pollutants, or using fresh water

Construction

How is wind converted into electrical energy?

- Wind causes the blades to rotate. The blades are connected to a gearbox in the nacelle, which turns the generator to produce electricity.
- The clean electricity is transmitted through cables and collected at a substation before feeding into the NS electrical grid through the existing overhead powerlines.

To get to this point, our Project will require many types of work to build this Project. We aim to involve local contractors wherever possible.



We encourage local suppliers and contractors to register on our Supplier Portal at this time to show interest in working with us!

We will further engage with the local and Indigenous business community through RFP opportunities and other ways, including supplier information sessions

Construction

Here are the various phases of construction:

Civil works

Ground movement on platforms

Construction of the foundation of a wind turbine base

Concreting of foundations (500-600 m³ per wind turbine)

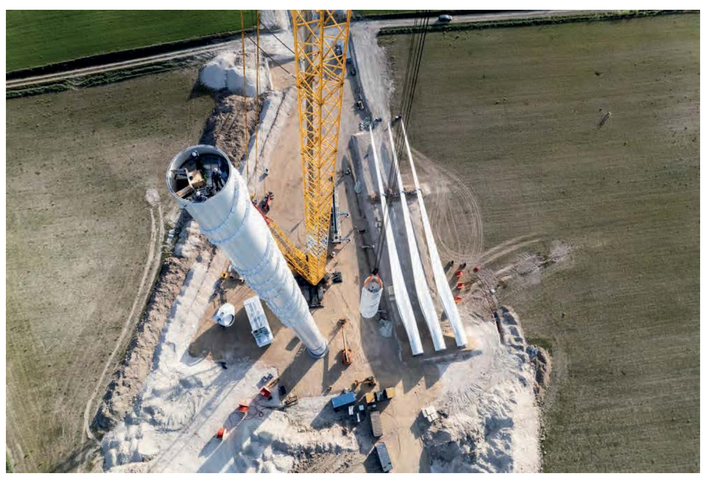
Construction of the transformer substation

Transportation of large components, here the rotor blades

Trench for subway power line

Erection of the wind turbine

The first tower segment is bolted to the foundation



The tower segments are installed one after the other

Fitters take delivery of a new segment and adjust it

Once the tower has been erected, the gondola is placed on top

The drive rod is installed

The hub is attached

The three rotor blades are attached to the hub one after the other

Project Opportunities and Community Benefits

Anticipated Construction and Infrastructure Requirements:

- During development and construction (~80 jobs) and during operation (1-3 jobs).
  - Labourers, operators, truck drivers, safety officers, crane operators, operating engineers, and various types of trades
  - Wind turbine technicians (program offered at NSCC)
  - Professional roles, including engineers, administrative support and much more.
- The Project would require the construction and installation of various infrastructure, along with ongoing maintenance, including:
  - Tree clearing/harvesting as needed
  - Geotechnical studies (ground assessments)
  - Access roads (clearing and other civil works) and snow clearing
  - Transmission infrastructure (collector system, substation, etc.)
  - Storage yard construction, onsite security, etc.
  - Construction of concrete foundations for turbines
  - Wind turbine installation (transport to site, erection)
  - Operations and Maintenance Facilities

Contractors and vendors are invited to register on ABO Energy‘s supplier portal to show interest in providing services to this Project

Wind Farm Life Cycle

What happens at the end of the wind farm's life?

The life of a wind farm is 25-30 years. After, it may be decommissioned or repowered.

During the life of a wind farm, maintenance occurs to replace parts – just like your vehicle. Operations and maintenance workers will fulfill this important task during the life of the wind farm.

Decommissioning

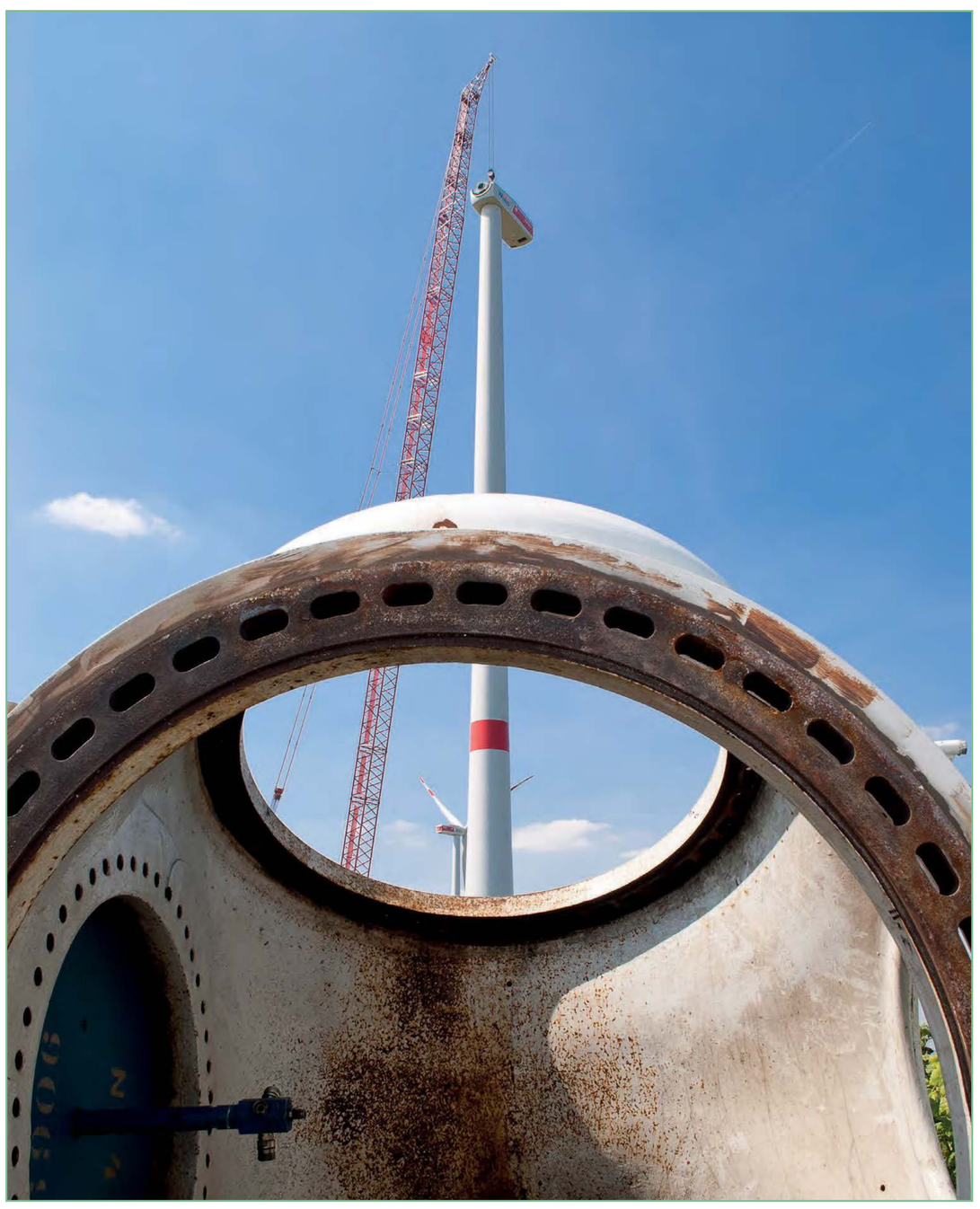
Due to economics, regular wear and tear and other factors, it may make most sense to remove the project and return the land to its original state.

There will be a decommissioning and reclamation plan required for the Project. After operations conclude, this plan will be implemented to remove or reclaim the Project infrastructure, and restore the site.

Can wind turbine components be recycled?

The main components of a wind turbine that can be recycled, repurposed, or salvaged include steel tower sections, steel reinforcements, electrical equipment and cables, precious metals, and concrete. Other materials that cannot be recycled, repurposed or salvaged will be disposed of according to provincial regulations.

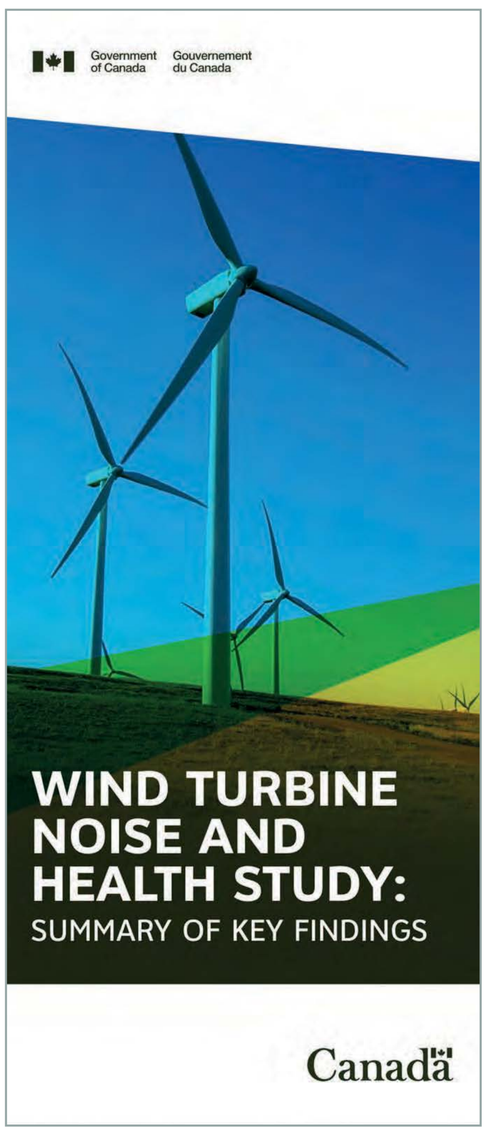
Did you know? Two of the largest turbine manufacturers have created turbine blades that are fully recyclable! The use of these blades will be evaluated for this Project.



Repowering

As another option, older wind turbines or other components can be upgraded with newer, more efficient equipment in some cases.

Health and Safety is a Priority



Human Health

Health Canada conducted the largest study in the world of people living, working, and playing near wind turbines. Over 1,200 people participated, who live in homes near wind farms.

Result: The study found no evidence of an association between exposure to wind turbine noise and the prevalence of self-reported or measured health effects beyond annoyance.

- Largest study ever undertaken around the world on wind turbines and health. 1,238 people participated, including those in homes as close as 820 ft out to 7 miles from wind turbines.

- The study involved self-reported questionnaires and, for the first time included objective health measures such as sleep studies, hair cortisol (stress), and blood pressure testing.

Safety

- Setback distances in place from property lines, roads, and homes to protect public safety.

- For the safety of workers and residents, l, there would be periods of limited access in zones that are under active construction (i.e., turbine installation, foundation pouring, etc.).

- Once turbines and other infrastructure are installed if there is not active construction happening, in-season hunting, hiking, ATV use, snowmobiling, and other activities can occur in / around the Project site.

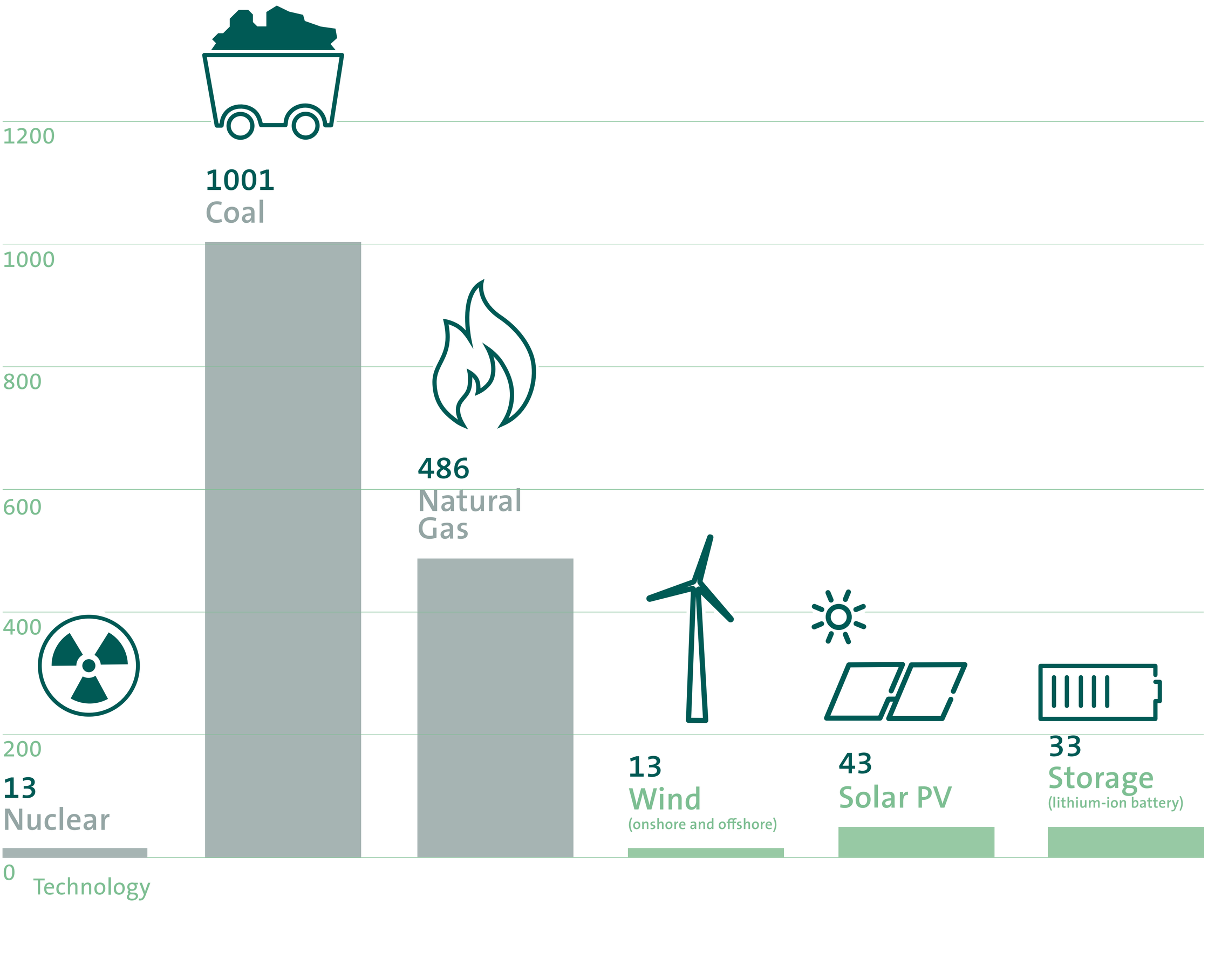
- A Project-specific Emergency Management Plan will be developed. It will be informed by industry best-practices, ABO‘s global and Canadian expertise in developing wind farms, and local emergency responders.

Did you know?

- Failures, fires, and ice throw from wind turbines are extremely rare events
- Blade failure occurs at about 1 in 10,000 per year
- Fires are rare with less than 1 incident per year in Canada
- Ice throw can happen but only reaches distances equal to the height of the turbine

Emissions of various energy sources

The chart shows the total life cycle emissions in grams of carbon dioxide equivalent per kilowatt-hour for different electricity generation technologies.



Source: NREL's Life Cycle Greenhouse Gas Emissions from Electricity Generation: Update; September 2021

ABO ENERGY

Environmental Assessment

Site Characteristics

The site is primarily covered by coniferous forest, with patches of mixedwood forest and scattered wetlands. The forests are in various stages of growth, reflecting a history of forestry activity, including thinning and harvesting. Much of the site is a mix of young and maturing forest now undergoing natural regeneration.

The site has an existing network of roads and off-highway vehicle routes.

Environmental Assessment

An environmental assessment will be conducted for the proposed West Bay Wind Project.

An environmental assessment is a planning tool used to identify, predict, and evaluate potential environmental effects of the proposed project and inform responsible project design and decision-making.

Baseline surveys will inform the placement of project infrastructure to mitigate and minimize potential impacts to wetlands, watercourses, Species at Risk, and other sensitive environmental features.

Studies

To inform the Environmental Assessment, the following studies have been completed or are ongoing:

- Birds: Migration, Breeding, and Winter
- Visual, Sound, and Shadow Flicker Assessments
- Terrestrial Wildlife: Bats, Mainland Moose
- Electromagnetic and Telecommunication Assessment
- Wetlands: Delineation and Functional Assessments
- Geotechnical Investigation
- Aquatics: Fish and Fish Habitat, Turtles, Water Quality
- Socioeconomic Assessment
- Flora: Plants and Lichens
- Cumulative Effects Assessment
- Historical and Cultural Resources: Archaeological Resource Impact Assessment, Mi'kmaq Ecological Knowledge Study