



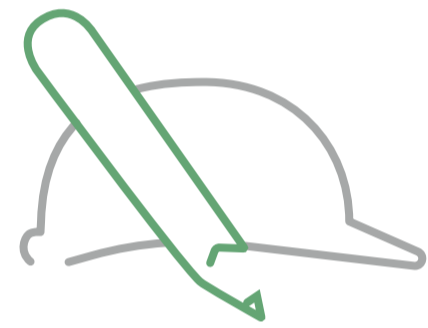
~1,000 employees worldwide, ~25 in Canada

Headquarters in Germany, 28 office locations worldwide



Internationally active in 16 countries

Europe, North & South America, Africa



Core business is development & construction

Wind, solar, green hydrogen and battery systems



\$7 billion invested in Projects

Approx. 5,000 megawatts developed and sold



21,000 megawatts under development

supported by \$200 million in equity & favourable financing



Listed on the stock market since 2012

Profitable since company's inception in 1996



ABO Wind commits to creating a lasting positive impact in the communities where we develop renewable projects.

The Melvin Lake Wind Project will generate the following positive benefits for the surrounding community:

- An estimated \$20-25 million in property tax to the municipalities over the life of the Project that can be used for local services and infrastructure
- During construction, tens of millions of dollars in materials and services could come from local businesses, including construction sub-contracts, accommodations, restaurants and catering, and other amenities
- 75 to 125 short-term and long-term jobs/contracts in site clearing, road building, electrical, construction and concrete work, and ongoing maintenance
- Revenue to landowners from leases signed with the developer
- Hundreds of thousands of dollars for local community initiatives



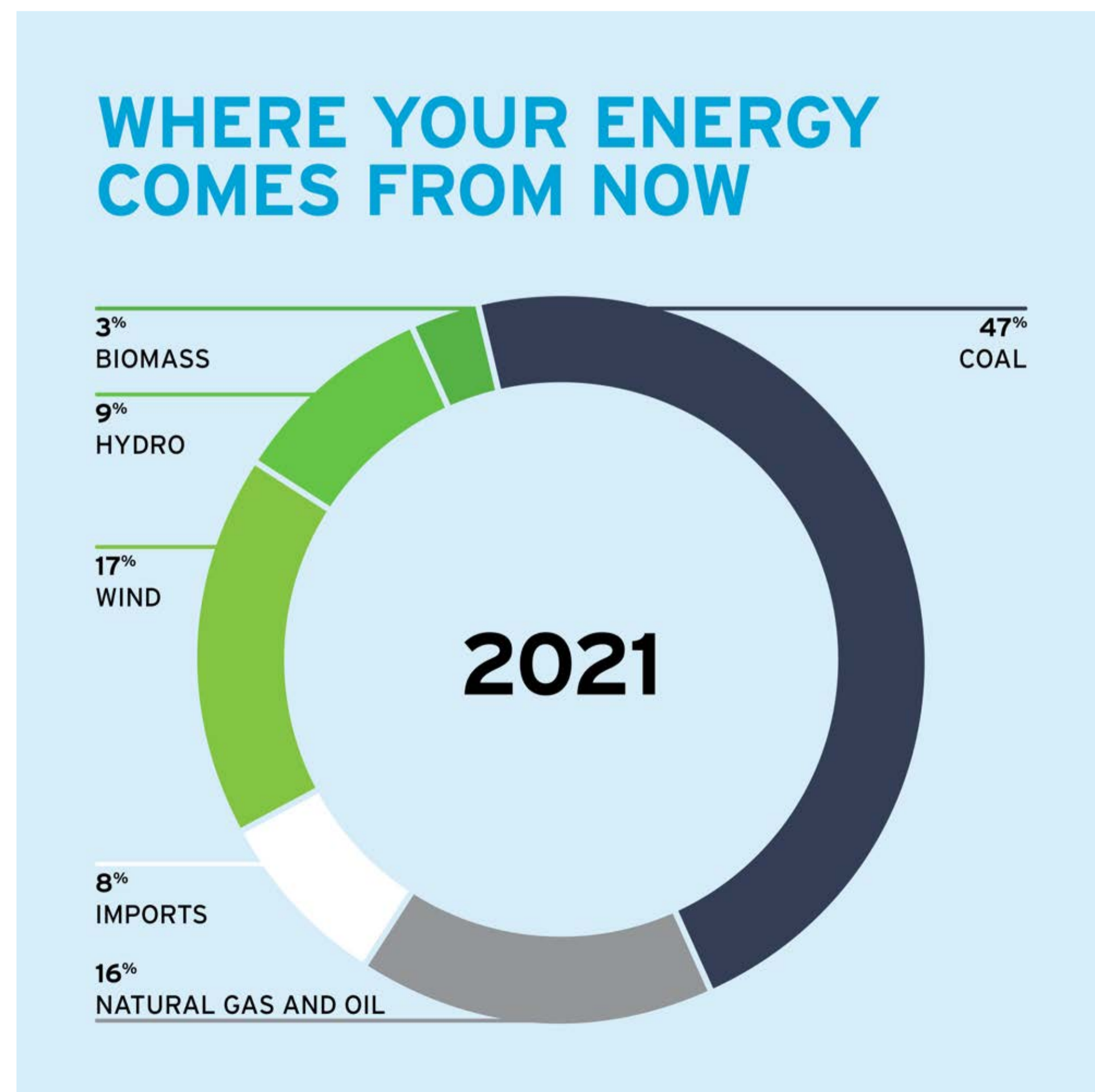
The Melvin Lake Wind Project is being proposed by ABO Wind Canada in response to the Green Choice Program. ABO Wind is partnering with Acadia First Nation to develop the Project. As a 51% partner, Acadia First Nation is actively collaborating with ABO Wind to create capacity building, employment and economic opportunities, and acting as an environmental steward for the land.

Clean Energy for Nova Scotia

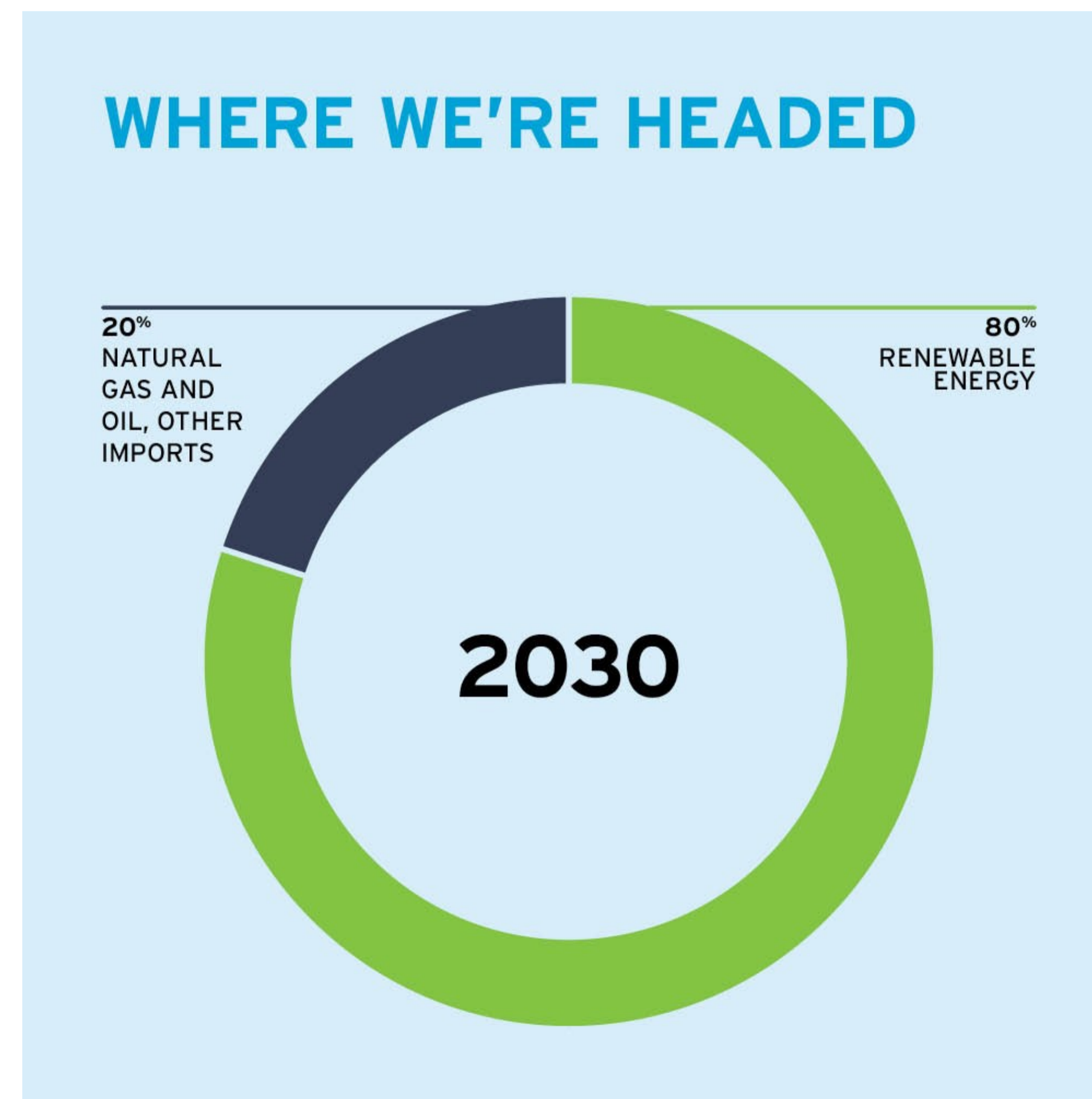
This Project will harness our Province's wind to produce enough clean energy for **25,000 homes annually**.

Nova Scotia has one of the most ambitious climate change plans in Canada with a target to close all the coal power plants and reach 80% renewable energy by 2030. These ambitious targets require more renewable energy in our province.

The Green Choice Program (www.novascotiagcp.com) was developed collaboratively between the Province of Nova Scotia, renewable energy developers, Nova Scotia Power, and large energy buyers. It will allow participating customers to purchase up to 100% of their electricity from local renewable energy sources.



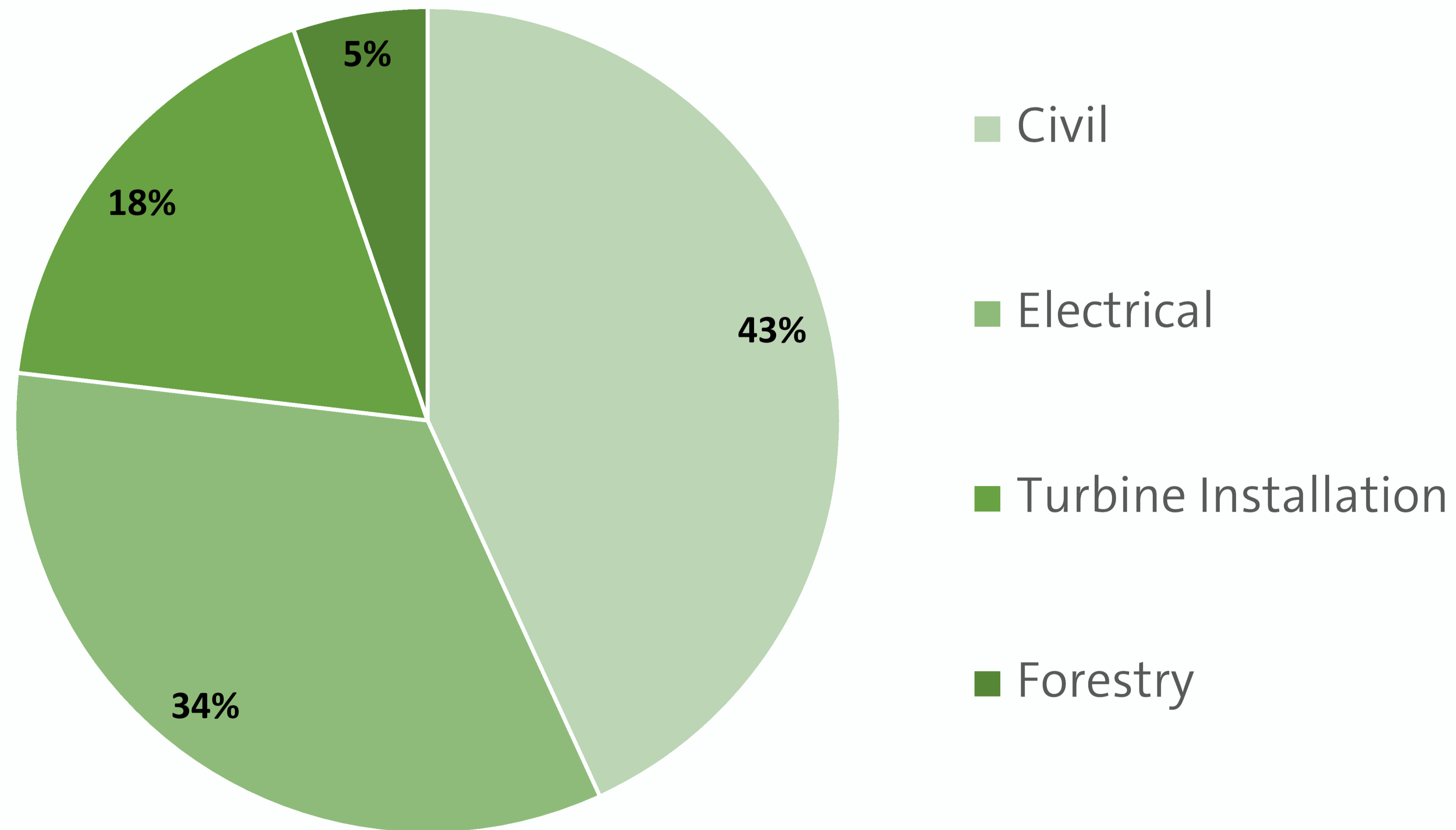
(Nova Scotia Power, 2021)



Scan the QR Code to learn more about the Project and access interactive maps:



\$35-\$40M in Local Labour & Procurement Opportunities



- ABO commits to forthright and meaningful communication that is timely and respectful.
- We aim to carry forth discussions with interested parties and commit to the thoughtful consideration of feedback into our project planning in order to mitigate and avoid impact.
- We will discuss options, alternatives and mitigation measures related to presented concerns where feasible.
- We will provide responses to questions in a clear and easily understandable way.
- If you have questions or comments about the Melvin Lake Wind Project, please contact:

Heidi Kirby (Halifax Office)

by email at heidi.kirby@abo-wind.com or

phone at: 902-329-9907

For more information about the Melvin Lake Wind Project please visit:

www.melvinlakewind.ca

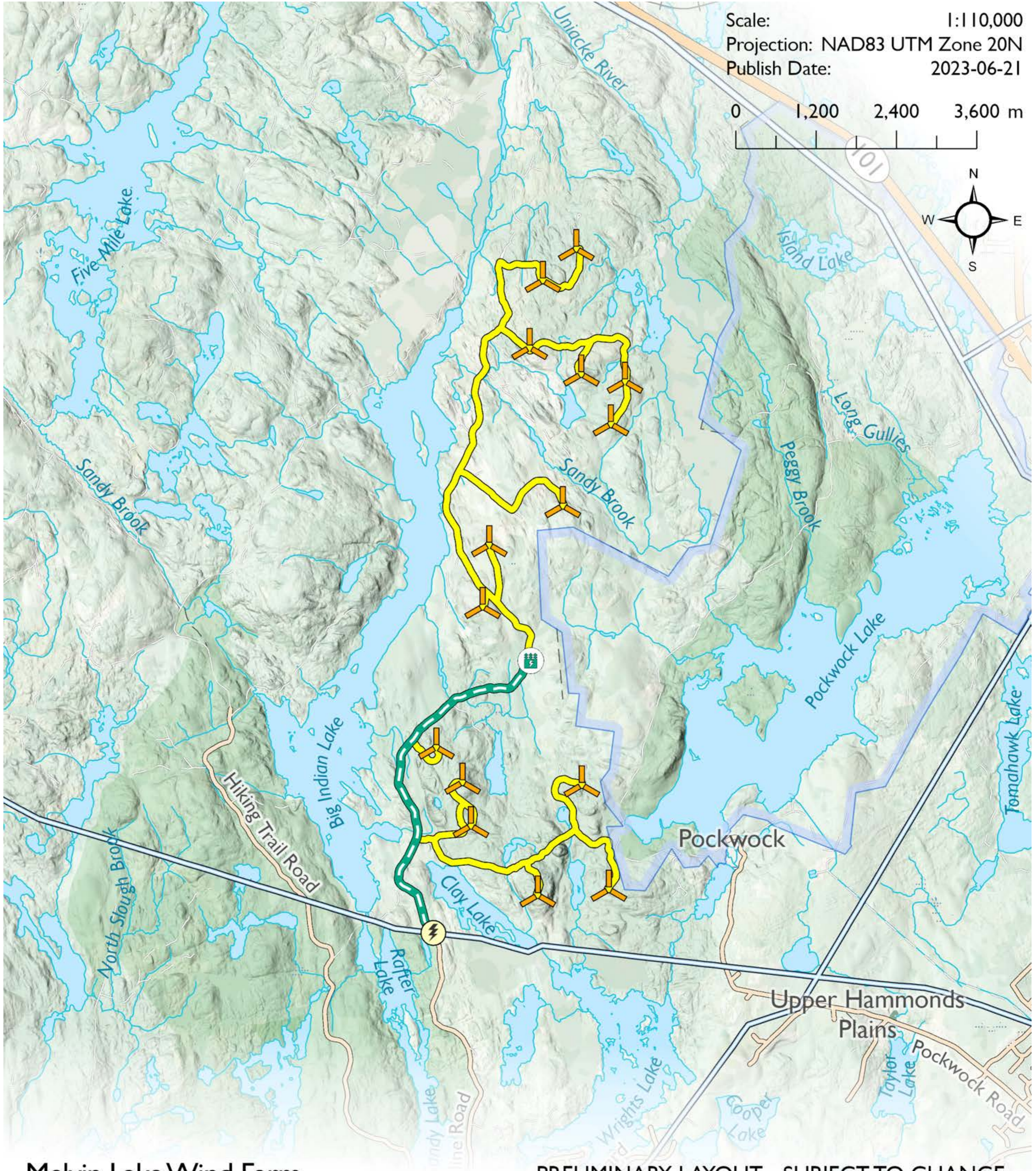
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Melvin Lake Wind Project Community Liaison Committee

ABO Wind invites interested individuals, including property owners/residents, First Nations, local businesses, elected officials, community or environmental groups to form a Community Liaison Committee (CLC). If you are interested, please reach out to Heidi Kirby, ABO Wind (contact detail noted above).

The purpose of a CLC is to act as an advisory body to a project proponent by providing input on existing or potential concerns of the community with respect to the project plan and activities; and to represent community interest by providing an avenue for the mutual exchange (Province of Nova Scotia, 2010).



Melvin Lake Wind Farm

PRELIMINARY LAYOUT - SUBJECT TO CHANGE

- | | | | | | |
|--|--------------------------|--|---------------------------------------|--|----------------------------|
| | Potential Turbine Site | | Proposed Access Road & Collector Line | | Existing Transmission Line |
| | Proposed Substation | | Proposed Transmission Line | | Protected Watershed Area |
| | Point of Interconnection | | | | |

NRCan, Earthstar Geographics, Airbus, USGS, NGA, NASA, CGIAR, NCEAS, NLS, OS, NMA, Geodatastyrelsen, GSA, GSI and the GIS User Community



Environmental Study Results

- Environmental studies were completed by Strum Consulting in 2022 and 2023. The studies consisted of desktop assessments and field surveys to characterize the existing environment on the Project site.
- Wildlife surveys, including targeted Mainland moose surveys, identified a variety of species including White-tailed deer, Eastern coyote, Snowshoe hare and Bobcat. Although no evidence of Mainland moose was observed, potential habitat has been identified and documented.
- Terrestrial habitat assessments included identification of old growth stands and lichen species at risk, including blue felt lichen.
- Avian assessments included year round surveys to highlight species presence on site, as well as radar surveys to document large-scale migratory movements and avian activity in the area.



As one of many studies completed for the Project, Pellet Group Studies were completed to help inform habitat use of various species in the Melvin Lake area (May 2023).

Environmental Mitigations and Reporting

- Based on the field results ABO undertook additional infrastructure siting activities to avoid wetlands and wildlife features, where feasible.
- Wetland and watercourses were delineated throughout the site and incorporated into Project design to minimize direct impacts.
- Construction footprint and disturbance of regular activity reduced:
 - Existing access roads will be used where possible to minimize the footprint of disturbance.
 - No gates are anticipated to be installed at the Project with the exception of fencing around the substation for safety reasons. Recreational use and hunting activities will not be disrupted, with the exception of some construction related safety measures and temporary road closures.

Next steps

- Environmental Assessment Registration (late summer/fall 2023).
- ABO Wind will develop mitigation and monitoring plans. These plans will include:
 - Wildlife Management Plan
 - Bird and Bat Mortality Monitoring Program
 - Sediment and Erosion Control Plan
 - Surface Water Management Plan
 - Contingency Plan
 - Environmental Management Plan
 - Complaint Resolution Plan
 - Mainland Moose Monitoring Plan

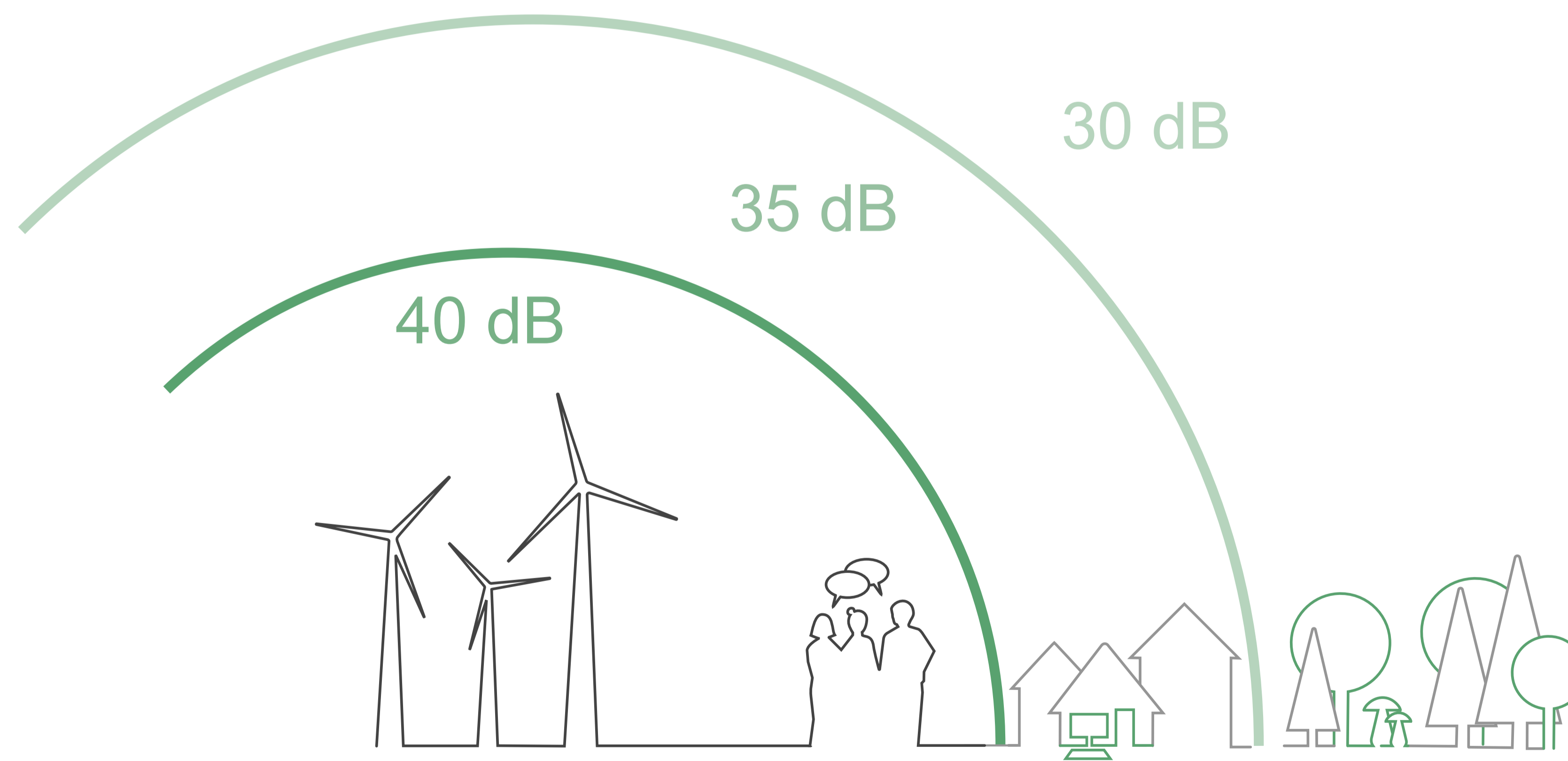
Noise Levels

The Project will be designed in accordance with the Province of Nova Scotia's Environmental Assessment ("EA") requirements for Wind Power Projects.

This Project not only meets, but exceeds the requirement for sound levels: "a proponent must ensure that the wind farm design and turbine siting does not cause sound levels to exceed 40 dBA (A-weighted decibels) at the exterior of receptors" (Province of Nova Scotia, 2021).

Our third-party expert's noise modelling study indicates that cumulative noise level, including turbine-generated noise, will not exceed 40 dBA at any existing receptors (residences).

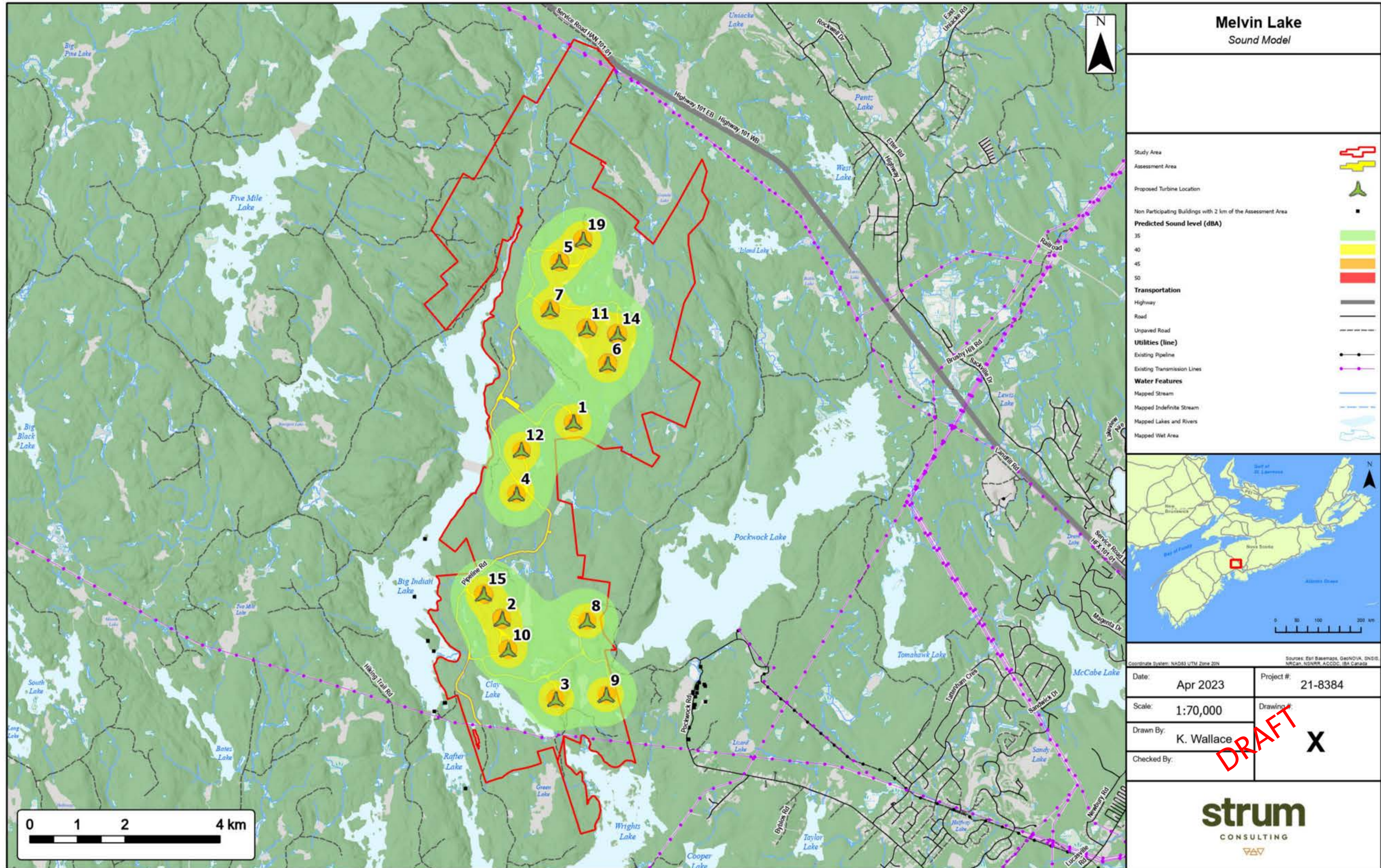
A 40 dBA sound level is similar to a quiet library or a suburban area at night.



Examples of common sound levels (dBA)

140	Threshold of pain
130	Jet take off
120	Rock concert
110	Jackhammer
100	Power saw
90	Street traffic
80	Doorbell
70	Office
60	Normal conversation
50	Quiet urban neighborhood, daytime
40	Library
30	Soft whisper
20	Ticking of a wrist watch
10	Rustling leaves

Melvin Lake Wind Project Sound Contours



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strum
CONSULTING

Shadow Flicker

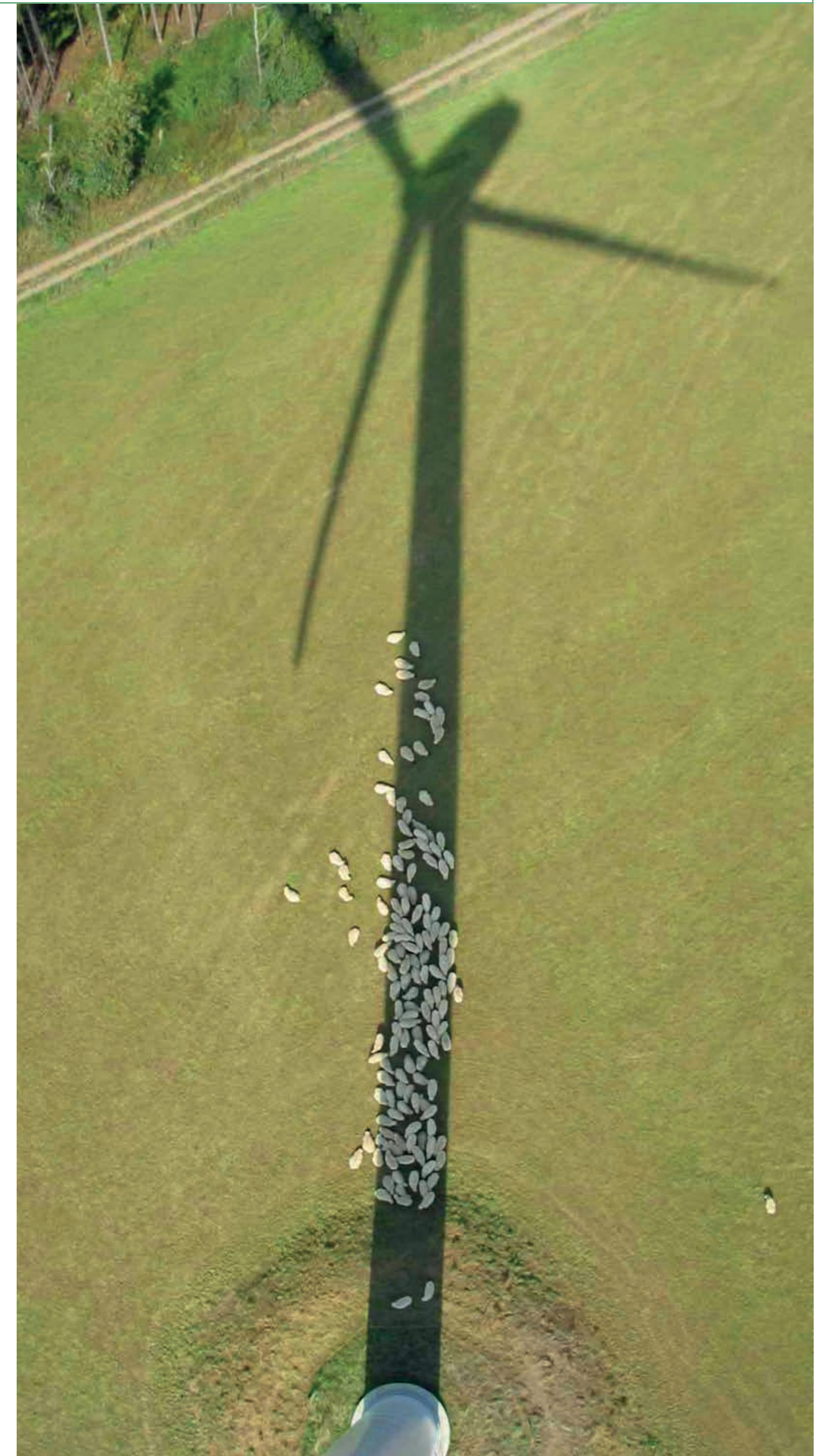
Shadow flicker occurs when the spinning rotor is located between the sun and a building, and the turbine blades alternately block and allow the sunlight to shine through. This causes a 'flicker' effect and only occurs when certain conditions are met such as the sun shining and turbine(s) operating.

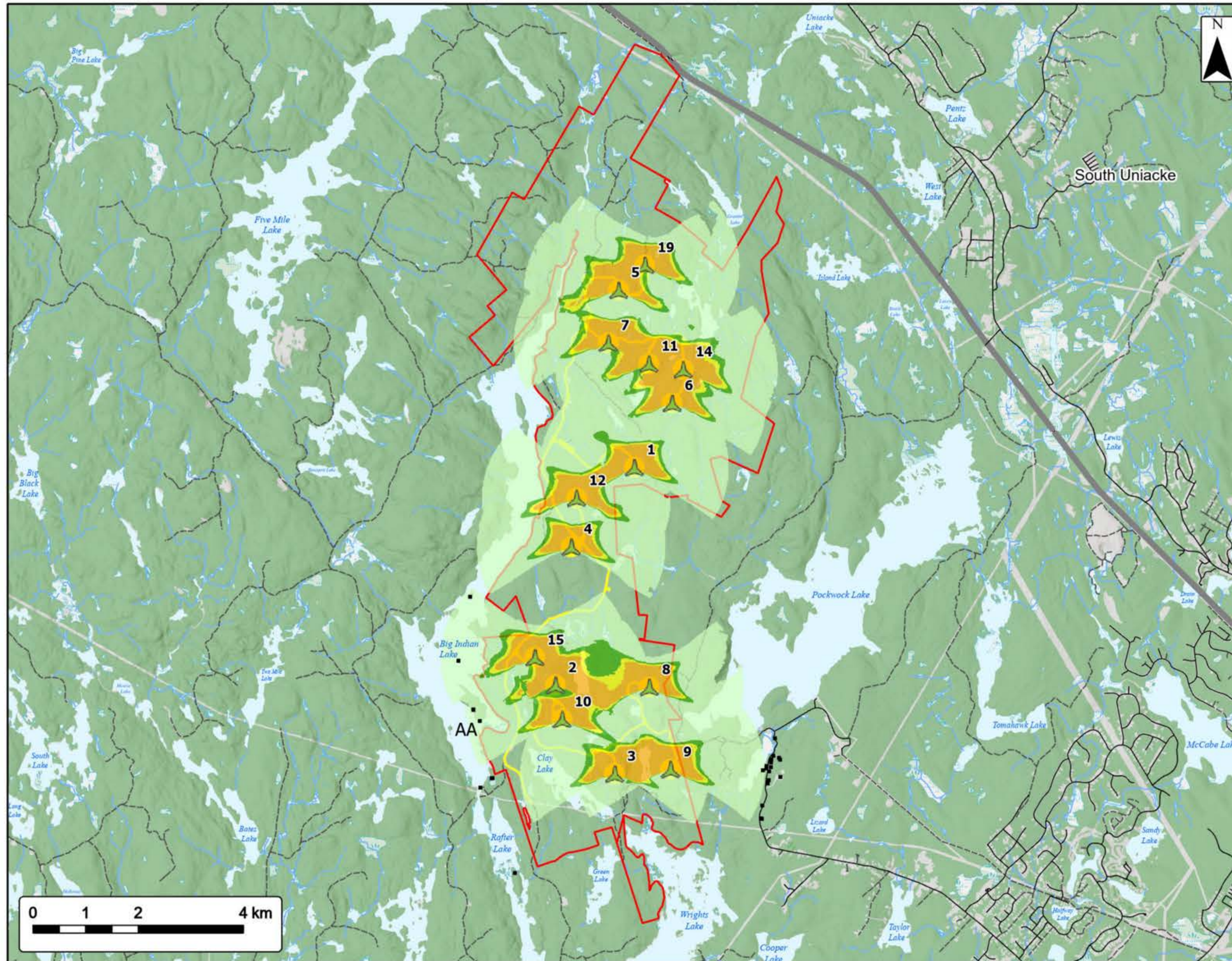
A Shadow Flicker study has been conducted to assess the potential for shadow flicker at nearby receptors (residences).

The assessment will be included in the Project Environmental Assessment that is being submitted to the Province of NS for approval.

Shadow Flicker Study Results:

- Shadow flicker modeling indicates that regulatory thresholds will be met by the Project.
- There are no predicted exceedances of 30 mins per day and/or 30 hours per year at any existing residential receptors.





Melvin Lake

Shadow Flicker - Real Case Scenario

<p>Study Area </p> <p>Assessment Area </p> <p>Proposed Turbine Location </p> <p>Non Participating Buildings within 2km of Assessment Area </p> <p>Predicted Shadow Hours/Year (Real Case)</p> <p>0 - 30 </p> <p>30 - 40 </p> <p>40 - 50 </p> <p>50+ </p> <p>Transportation</p> <p>Highway </p> <p>Road </p> <p>Unpaved Road </p> <p>Water Features</p> <p>Mapped Stream </p> <p>Mapped Indefinite Stream </p> <p>Mapped Lakes and Rivers </p> <p>Mapped Wet Area </p>	
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Coordinate System: NAD83 UTM Zone 20N		Sources: Esri, Basemap, GeoNOVA, DNRIS, SNC-Lavalin, ACCOCC, BIA Canada	
Date:	Apr 2023	Project #:	21-8384
Scale:	1:70,000	Drawing #:	
Drawn By:	K. Wallace	X	
Checked By:			

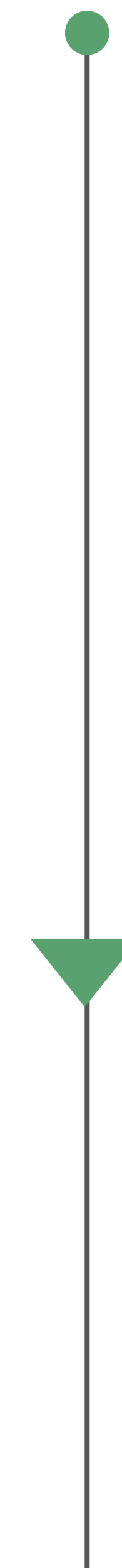
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Melvin Lake Wind Project **Project Timeline***

Activity	Timeline
Environmental Field Studies	2022 - 2023
Project Information Mailout	June - Early July 2023
Open House	July 13, 2023
Community, First Nations and Government Engagement	Ongoing - Through the life of the Project
Environmental Assessment submission to the Province, with additional opportunities for Project feedback	September 2023
The Project will be submitted for the Green Choice Program	December 2023
Anticipated Green Choice RFP Award	March 2024
Construction begins with tree and road clearing	2024
Commissioning – The Project is producing clean energy	2026

*Project timeline is preliminary and subject to change.

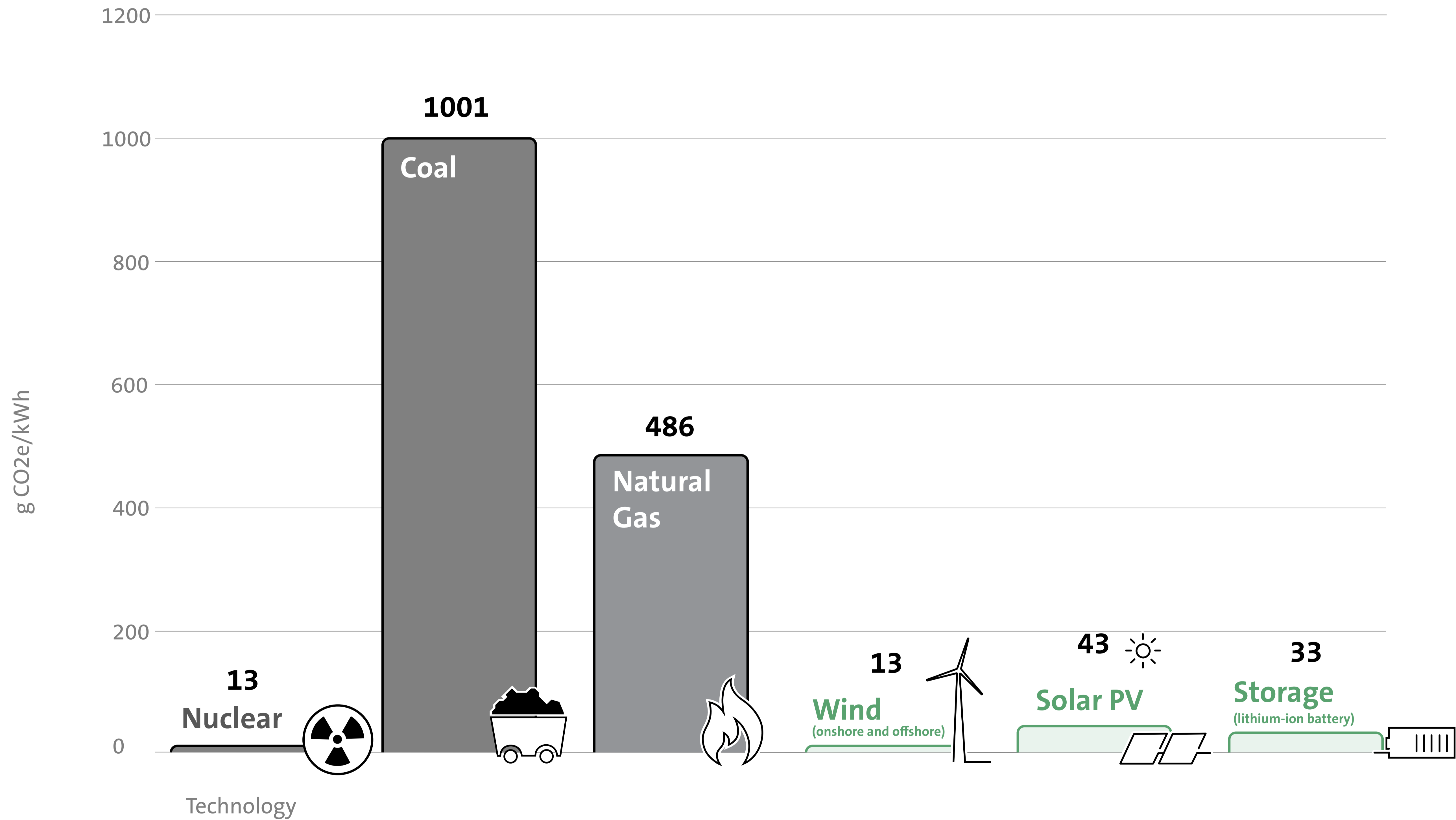
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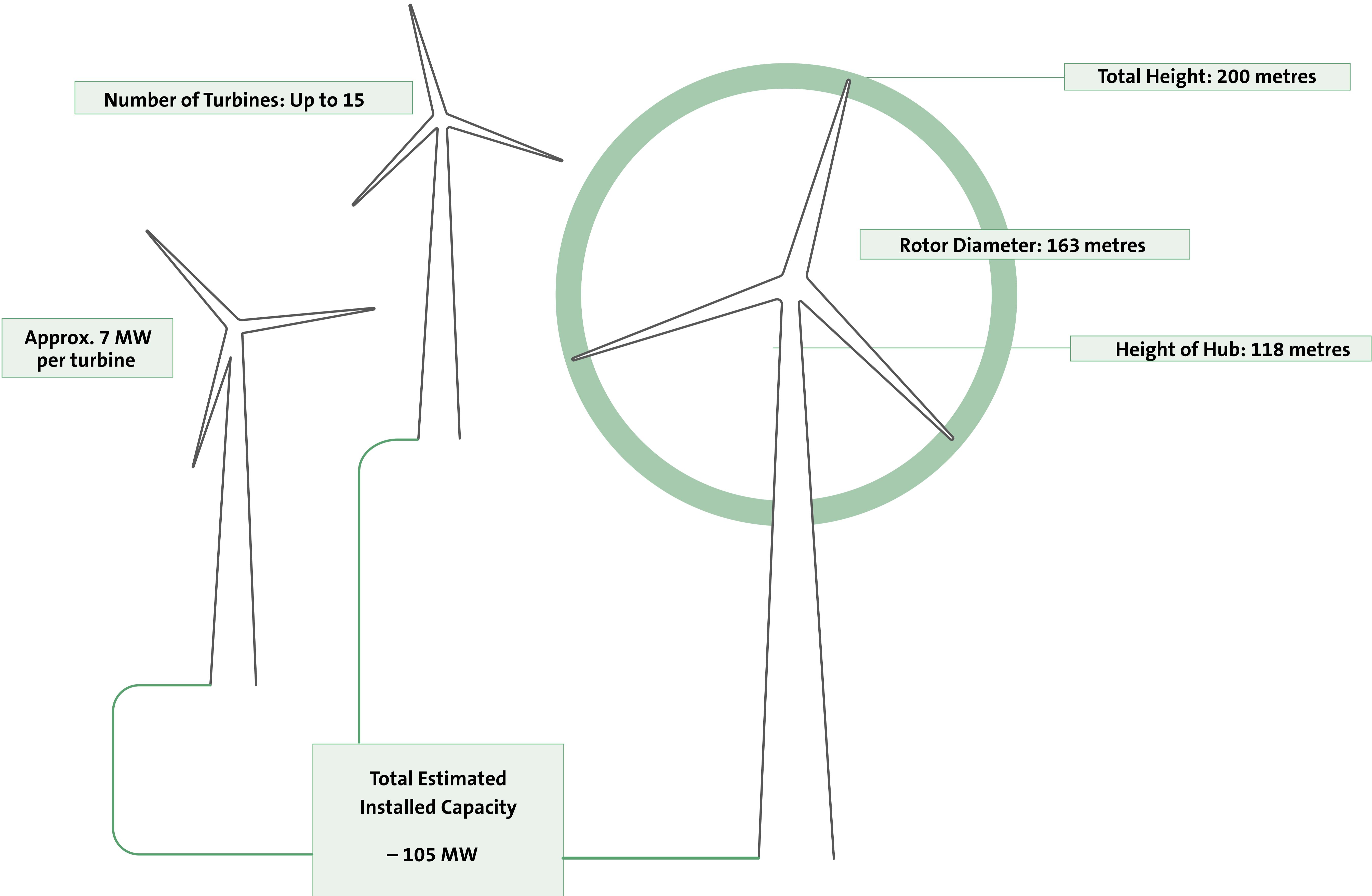
Emissions of various energy sources

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



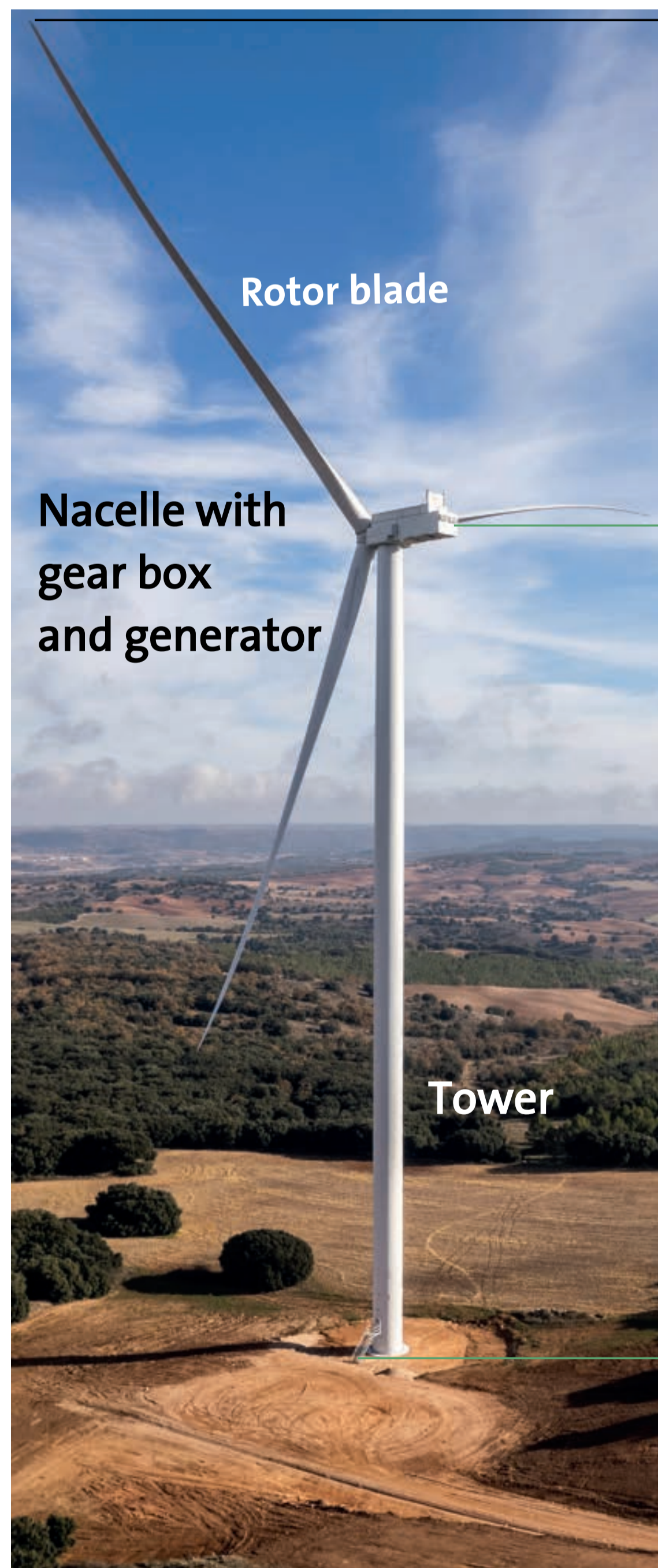
Project Overview



How does a wind turbine work?

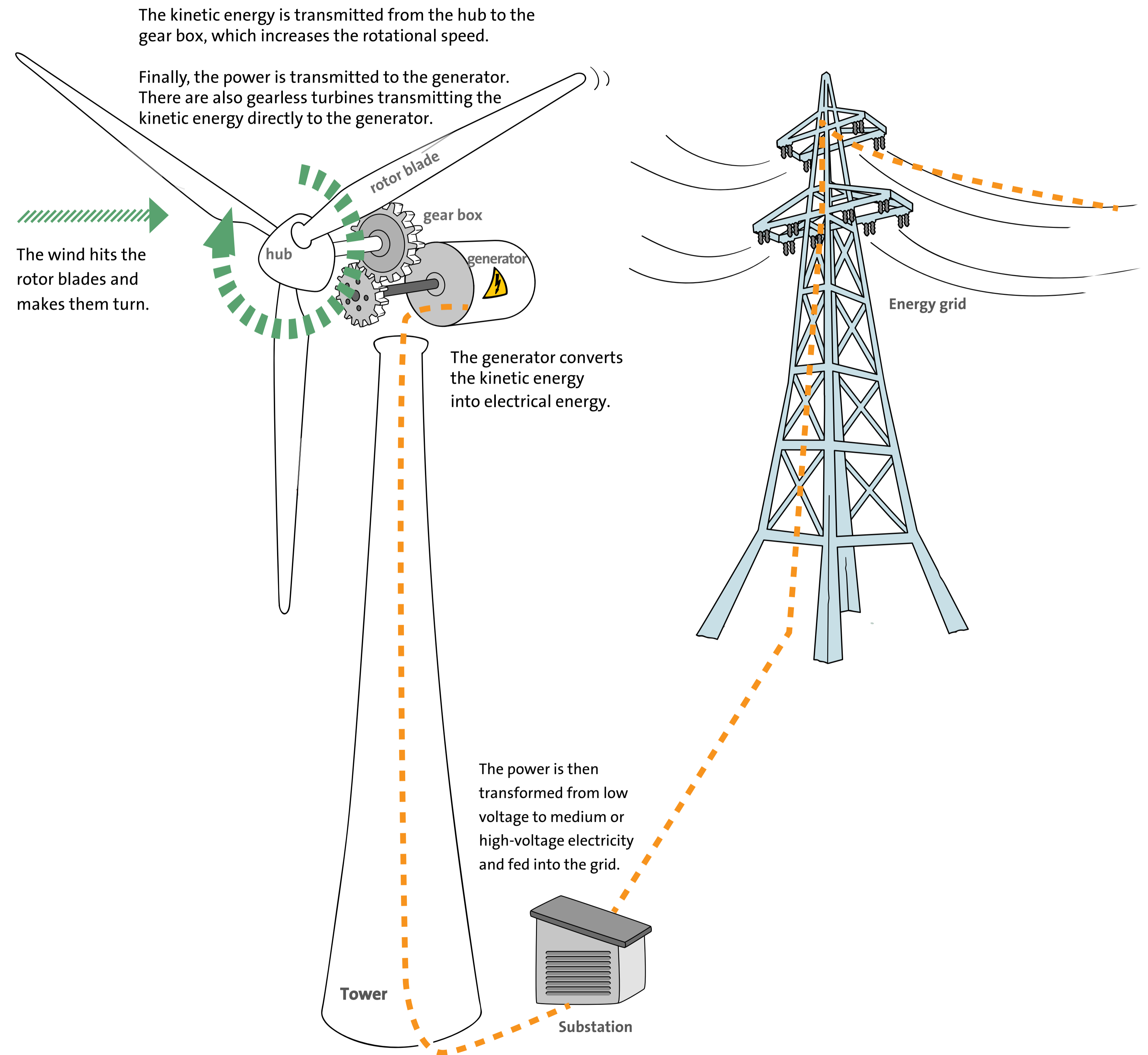
Wind Turbine Components

The main components of a wind turbine are the tower, nacelle and three blades attached to the hub. Put simply, the energy in the wind turns the blades around the hub. The hub is connected to a generator via a drive shaft, which creates electricity when the blades spin.

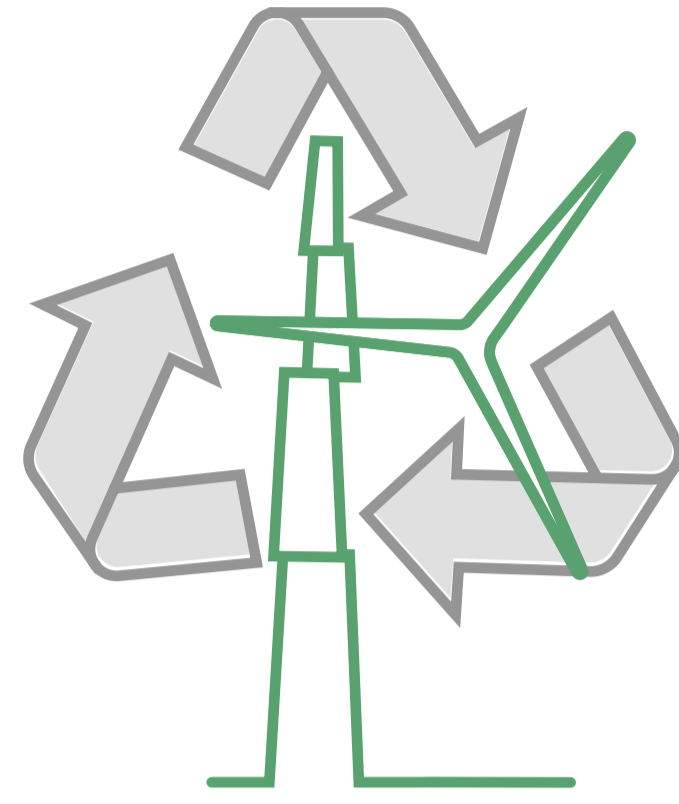


Total height

Hub height



What will be recycled and who will pay?



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

Two of the largest turbine manufacturers have created the first set of turbine blades that are fully recyclable. The use of these blades will be evaluated for this project.



Dismantling wind farm



Deconstruction of foundation