



# Fox Meadows Wind Project

Newsletter: Summer 2022

The Fox Meadows Wind Project (Fox Meadows/the Project) is a 165 MW wind project proposed by ABO Wind Canada Ltd. (ABO Wind). Fox Meadows would provide a cost-effective source of enough clean energy for approximately 65,000 homes and will contribute to increasing Alberta's percentage of electricity generation by renewable energy.

The Project would displace approximately 300,000 tonnes of CO<sub>2</sub> equivalent annually, which amounts to 7.5 million tonnes of CO<sub>2</sub> over 25 years. The Project area was selected due to favourable wind speeds, land topography, grid capacity and supportive landowners. A meteorological tower was erected in the summer of 2022 to confirm the wind resource in the region.

**ABO  
WIND**

# Open House Information

ABO Wind will host an **open house** on **August 10, 2022**, at the **Agricultural Community Hall** in Edgerton, Alberta (4916 50th St, T0B 1K0), from **6:00 pm to 8:30 pm**.

Refreshments will be provided.

## The Project

The proposed 165 MW Fox Meadows Project is located on privately-owned land between the Town of Provost and the Village of Edgerton, west of Highway 899 (see brochure map). The Project would comprise of 20 to 25 turbines, each with an expected nameplate capacity of 6.2 to 7.2 MW, a hub height between 100 to 120 metres and a blade length between 80-90 metres.

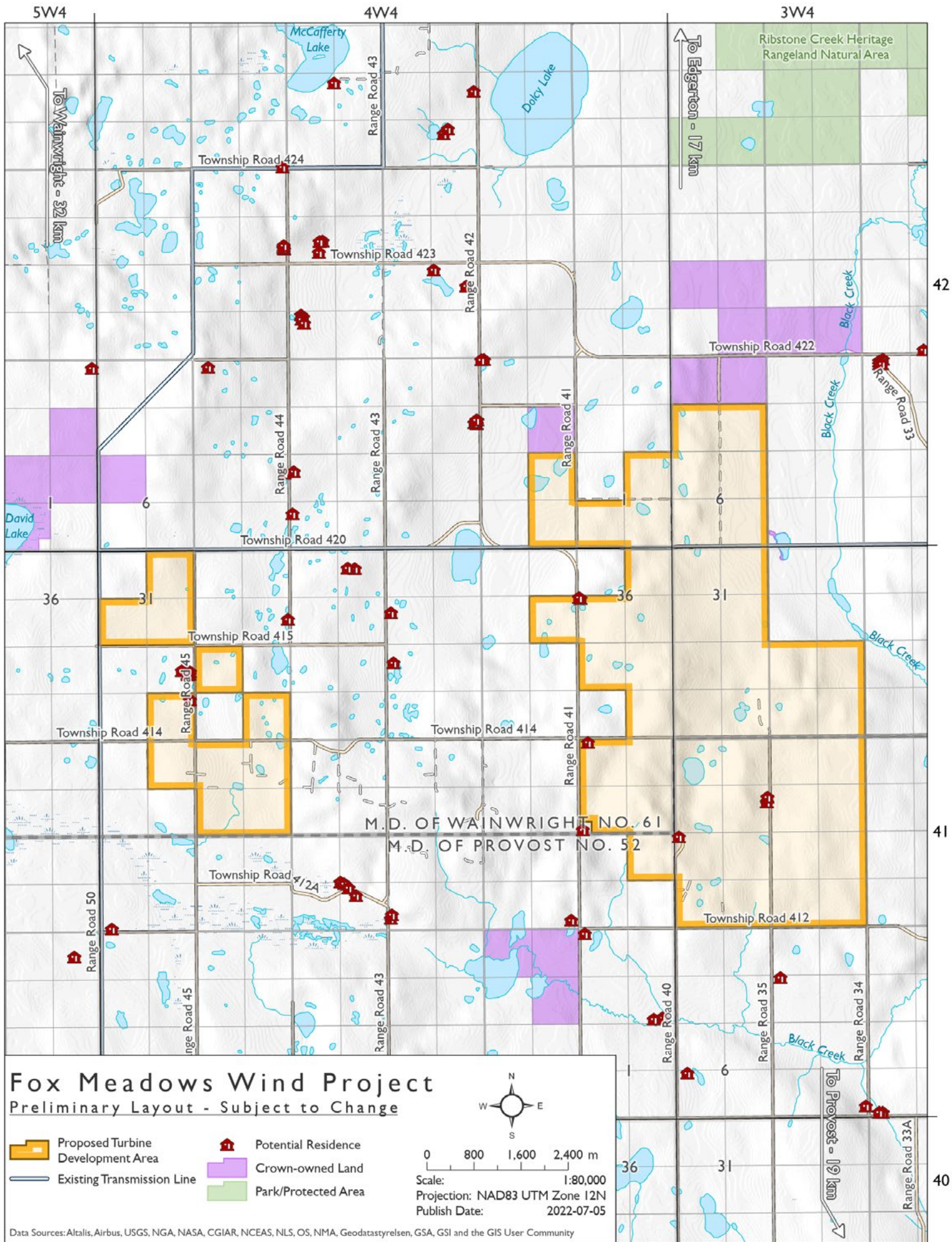
The Project Area ('Proposed Turbine Development Area' on the brochure map) covers approximately 10,000 acres, divided between the County of Provost No. 52 and the County of Wainwright No. 61. The actual disturbed land footprint for turbines, collector line system and access roads is approximately 500 acres. The location of the turbines within the Project is still to be determined and is influenced by many factors including environmental constraints, stakeholder feedback, setback requirements and proximity to an existing transmission line. As more information becomes available, we will provide forecasted turbine locations in future public materials.

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In addition to the turbines, the Project will include:

- **Access roads:** The Project will consist of low profile roads for access to the turbine units. The Project may also require upgrades to existing county roads in the area, where applicable. All upgrades to roads will result from consultation with the Counties and Provincial regulatory bodies.
- **Transmission Line:** ABO will look to connect the Project to the grid via attaching directly onto the existing AltaLink 138kV transmission line that runs across TWP Road 420. Discussions have begun with the Transmission Facility Owner, AltaLink, on how this work will be conducted.
- **Collector Lines/System:** The Project will utilize a medium voltage power collector system consisting, wherever possible, of underground cables that link the turbines to the substation. The area connecting the two major land parcels will need an agreement with the County.
- **Substation:** The Project will include a substation to increase the voltage from up from the collector system to the transmission voltage. The Project will include an Operations and Maintenance building for local staff.
- **Energy/Battery Storage:** To address variability of wind generated electricity, an energy storage component, such as a battery, can provide a flow of clean electricity to the grid. This will maximize the output even when the wind is not blowing in the area.
- **Meteorological (Met) Towers:** The Project will host both temporary and permanent met towers during its life cycle that will help collect meteorological data of the local region to better inform site design.

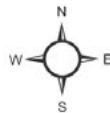




# Fox Meadows Wind Project

## Preliminary Layout - Subject to Change

-  Proposed Turbine Development Area
-  Potential Residence
-  Existing Transmission Line
-  Crown-owned Land
-  Park/Protected Area



0 800 1,600 2,400 m

Scale: 1:80,000

Projection: NAD83 UTM Zone 12N

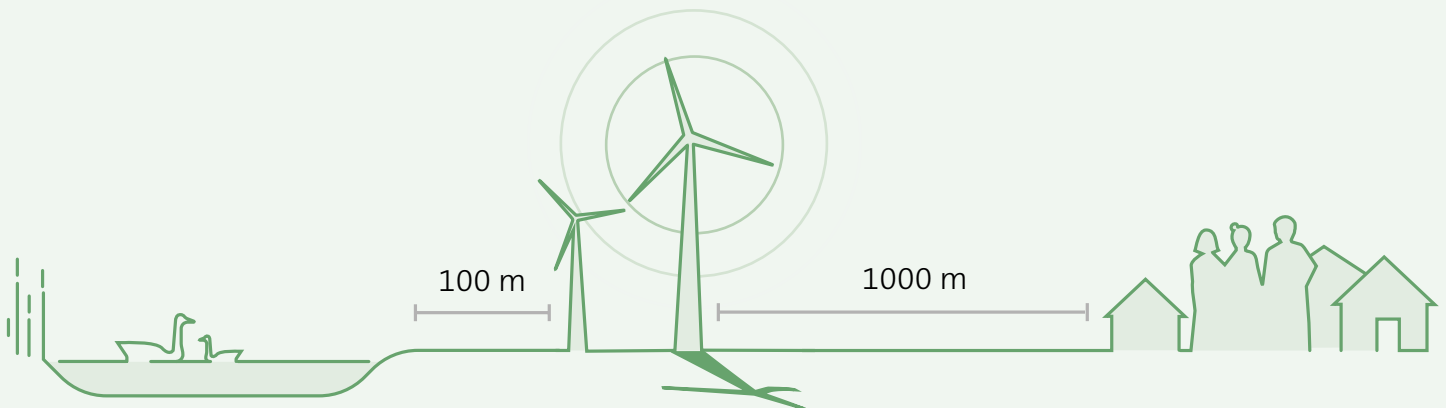
Publish Date: 2022-07-05

Data Sources: Altalis, Airbus, USGS, NGA, NASA, CGIAR, NCEAS, NLS, OS, NMA, Geodatastyrelsen, GSA, GSI and the GIS User Community

# Setbacks

There are a number of setbacks that ABO adheres to in order to minimize impact to people, their activities and the environment. These include:

- 1000 metre turbine setback from residences unless agreed upon with the landowner
  - Setbacks needed to comply with the maximum sound levels permitted at residences
  - Setbacks needed to comply with shadow flicker guidelines
  - Turbine setback of 100 metres from Class III+ wetlands
  - Avoidance of Project development on Native Grasslands
  - Maximum turbine height plus 10% setbacks from roads
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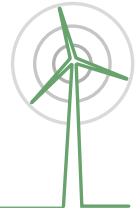
# Potential Impacts and Environmental Studies

ABO is working with third-party experts to perform the required technical and environmental studies needed to support the siting of wind turbines. The studies include:

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## Noise

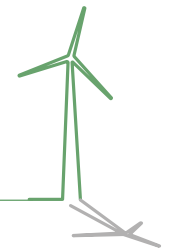
The Project will have sound-generating infrastructure, which include the wind turbines, substation and potential energy storage. ABO will conduct a third-party noise impact assessment as per Alberta Utilities Commission (AUC) Rule 012: Noise Control guidelines to ensure sound generated from the Project will be below required levels.



## Shadow Flicker

Shadow flicker can occur at certain times of the year when the sun passes behind a turbine's moving blades, casting a shadow over a window.

Shadow flicker will be modeled and considered through the layout design process for the Project.



## Visual Simulations

Visual simulations will be prepared to demonstrate how the Project will appear on the landscape from various viewpoints.



## Environment

Environmental studies commenced in April 2022 and will look to conclude later in the fall. Studies include vegetation, wildlife, and wetlands.

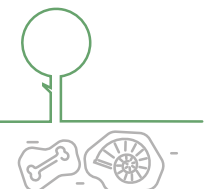
ABO Wind is expected to submit the findings to Alberta Environment and Parks following conclusion of the field program and all necessary reporting.



## Historical Resources

Consultation with Alberta Culture, Multiculturalism and Status of Women for consideration of any potential archaeological, historical and paleontological sites in the Project Area.

ABO will look to receive clearance for the Project under the Historical Resources Act.





# Regulatory Process

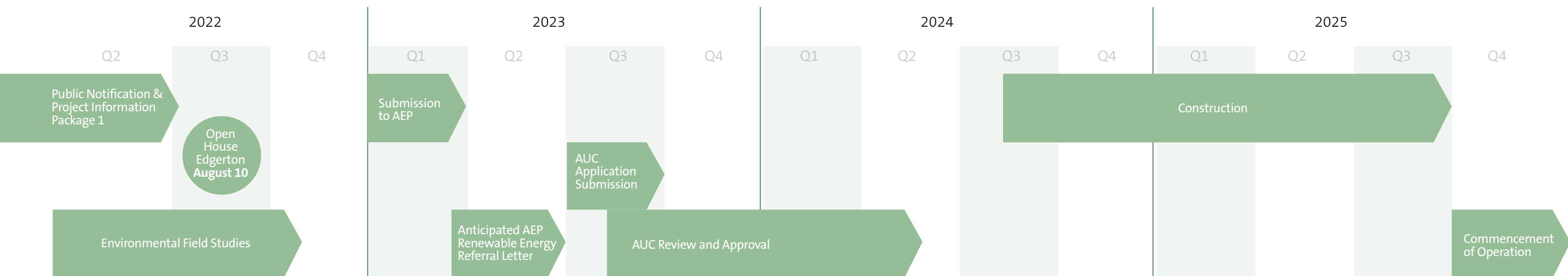


A Renewable Energy Project Submission Report will be completed for Fox Meadows and submitted to Alberta Environment and Parks (AEP) for approval. Once this report is completed an application is made to the AUC under Rule 007 – Application – Wind Power Plants 10 Megawatts or greater – urban and rural.

In addition, but not limited to, the following municipal, provincial and federal bodies will be engaged for permits and/or approvals that may be required for the Project:

- Alberta Environment and Parks (Public Lands)
- Alberta Transportation
- NAV Canada
- Transport Canada
- Alberta Electric System Operator (AESO)
- Alberta Culture, Multiculturalism and Status of Women
- Municipalities of Provost and Wainwright (Development Permits, Rezoning Applications, Road Use Agreements etc.)

## Preliminary Schedule



## Decommissioning/Reclamation

ABO Wind will adhere to 'The Conservation and Reclamation Directive for Renewable Energy Operations' (AEP, 2018) that stipulates the requirements needed to reclaim the land after the Project has been decommissioned.

## Benefits

ABO commits to creating a lasting positive impact in the communities where we develop renewable projects. The Project will generate the following positive benefits for the surrounding community:

- Tax dollars for the Municipalities of Wainwright and Provost
- Contracts for local goods and service providers
- Local employment opportunities
- Royalties for landowners with project infrastructure on their property
- Community Benefit Fund set up to support local organizations and initiatives



# ABO Wind

## Consultation

The consultation process is guided by the Alberta Utilities Commission (AUC), Rule 007. ABO commits to forthright and meaningful communication that is timely and respectful. Through the ongoing provision of project information, we aim to incite discussion with interested parties and commit to the thoughtful consideration of feedback into our project planning in order to mitigate and avoid impact. Consultation will continue throughout the life of the Project. All correspondence related to the Project will be recorded and submitted as part of the Participation Involvement Program for the AUC Application.

If you have questions about the Regulatory and Consultation Process, you can contact the AUC at **403-592-4500** or **info@auc.ab.ca** or visit their website at **www.auc.ab.ca**.

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## ABO Wind Canada Ltd

ABO Wind was founded in 1996 and is now a leading developer of renewable energy projects. ABO Wind opened its Canadian headquarters in Calgary in 2017 and focuses on developing wind, solar, energy storage, and green hydrogen projects throughout Canada. The ABO Wind Canada team is supported by over 900 team members from across the globe. For more information, please visit: **www.abo-wind.com**.

## Project Contact

We look forward to hearing from you. For more information, please visit our website at **www.foxmeadowswind.com** or contact us at:



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