



# Fox Meadows Wind Project

Newsletter: Spring 2024

## The Project

Fox Meadows Wind Inc. (FMWI), a subsidiary of ABO Energy, is proceeding forward with our proposed up to 165 MW and ~70MW battery Fox Meadows Wind Project (the Project). The Project, located on privately-owned land between the Town of Provost and the Village of Edgerton, consists of up to 25 turbines. The Project layout design is guided by input from stakeholders, technical experts, and the consideration of environmental constraints and municipal setbacks. In addition to the turbines and battery, the Project will include access roads, a transmission line, underground collector lines/system, a substation, and a meteorological tower. Fox Meadows will be a sustainable source of revenue for its estimated 25-year life.

**As of May 1st, 2024 ABO Wind formally became ABO Energy.** Our new name better captures the entirety of the clean energy projects we develop, demonstrating the value of working with ABO. The name change will have no effect on the development of projects, with no changes to existing business relationships, obligations, agreements and contracts.

ABO Wind becomes



# Overview

|  |   |
|--|---|
| Estimated Number of Turbines:                                  | <b>25</b>   |
| Nameplate Capacity of Project:                                 | <b>165 MW</b>   |
| Nameplate Capacity of each turbine:                            | <b>6.2 to 7.2 MW</b>  |
| Estimated Hub Height of turbines:                              | <b>100 - 120 metres</b>   |
| Estimated blade length:  | <b>80 - 90 metres</b>   |
| Estimated size of battery:                                     | <b>70 MW/216 MW</b> hours on 6 acres of land within ~90 battery energy storage containers |
| Estimated size of substation and operational land disturbance: | <b>34.5/138 kV, 167 MVA</b> on ~2.5 acres of land   |
| Estimated amount of renewable energy produced:                 | enough for <b>~65,000 homes</b>   |
| How much CO2 will it displace over the life of the project:    | <b>~9 million tonnes</b>  |
| What is size of the Project Boundary:                          | <b>~ 8800 acres</b>   |
| What is the operational Project Footprint (disturbed land):    | <b>~40 acres</b>  |

\*Please note that the current layout designs utilize the Vestas V162 6.2MW wind turbine. The turbine model is subject to change based on the timing of approval and supply chain.

# The Provincial Moratorium on Renewable Application Approvals

The Province of Alberta announced that the Alberta Utilities Commission (AUC) paused approvals for renewable electricity generation of new power plants over one megawatt beginning on August 03, 2023. On January 31, 2024, the AUC released 'Module A Report', which provided recommendations and options for ongoing economic, orderly, and efficient development of electricity generation in Alberta. The Report focuses on 4 issues related to development:

- The development of power plants on specific types or classes of agricultural or environmental land
- The impact of power plant development on pristine views
- The implementation of reclamation security requirements for power plants
- The development of power plants on lands held by the Crown in the Right of Alberta

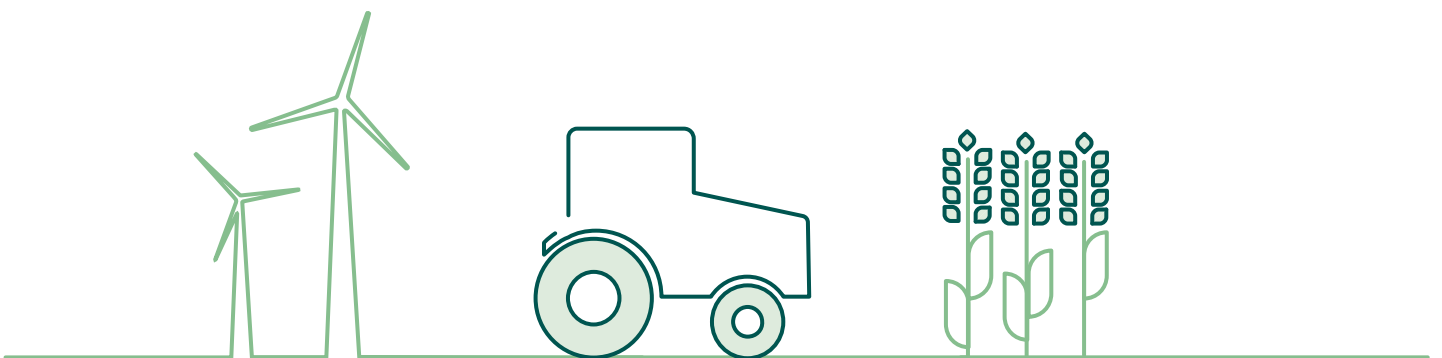
Based on the report released by the AUC, FMWI will update the Project to comply with what we believe is the intention of the recommendations put forth.

Of particular relevance to Fox Meadows, the report outlines the considerations to restrict renewable development on specific types or classes of agricultural land. The Project is located on Class 2 Soils, which can yield high agricultural production. The interim requirements for the Project application submission to the AUC will allow FMWI to outline how the turbine footprint of the Project can be sited on Class 2 land while coexisting with the surrounding agricultural use.

Although additional information is expected detailing reclamation security requirements, FMWI will meet the necessary criteria.

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The Module A Report can be found on the AUC Website: [www.auc.ab.ca](http://www.auc.ab.ca)



# Ice Throw

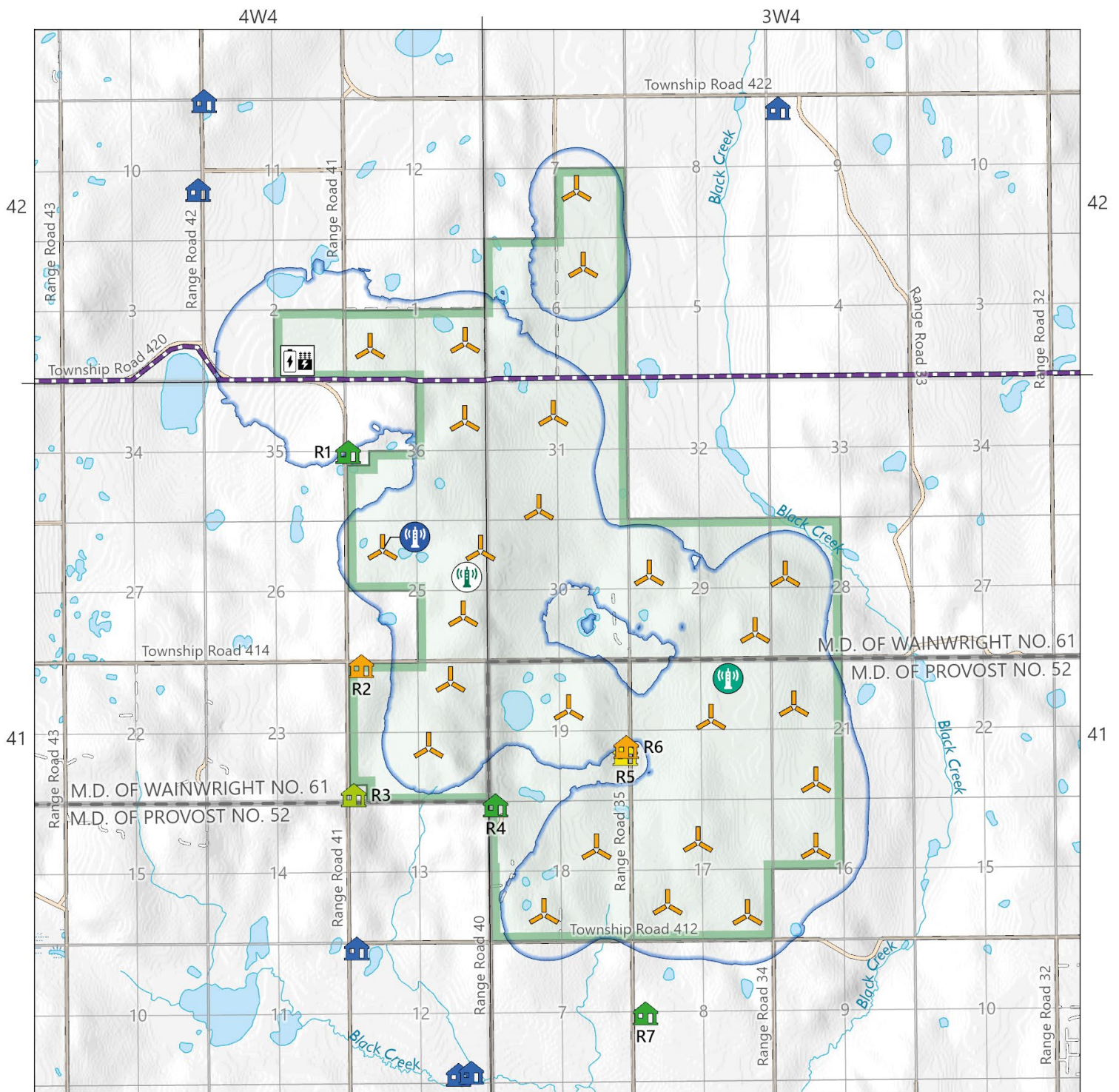
As with any structure, wind turbines and their blades can accumulate ice under certain conditions. This accumulation of ice can then be shed due to subsequent weather conditions, gravity, as well as blade motion. The fragments of ice can fall directly under the blade, but, in cases of where the blade is rotating, ice and ice fragments can be propelled a greater distance from the turbine. This phenomenon is known as ice throw. There are safety concerns that need to be considered with ice accumulation and ice throw. The likelihood of a potential impact from ice fragments is highest closest to a turbine and subsequently reduces with distance away from the turbine. It is possible ice throw could lead to injury or damage to property. FMWI will incorporate industry best practices as a means to identify, prevent, limit and/or mitigate this rare occurrence.

ABO Energy turbines in Finland during winter >



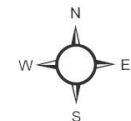
# Noise and Shadow Flicker

The Project will have sound-generating infrastructure and can produce shadow flicker when the sun passes behind a turbine's moving blades. Using the Vestas V162 – 6.2MW wind turbine as a model, and including the battery for noise, the following figure displays both the most recent conservative scenario for noise and annual hours of shadow flicker.



# Fox Meadows Wind Project

## Project Layout



Scale: 1:70,000  
 Projection: NAD83 UTM Zone 12N  
 Publish Date: 2024-05-06  
 Data Sources: Altalis, Airbus, USGS, NGA, NASA, CGIAR, NCEAS, NLS, OS, NMA, Geodatastyrelsen, GSA, GSI and the GIS User Community

Receptor numbers have not been included for those residences where 'no impact' is expected from shadow flicker. This map and receptor numbers have been updated from previous map versions released to the public.

# Environmental and Regulatory Process

FMWI submitted the required Renewable Energy Submission Report to Alberta Environment and Protected Areas (AEPA) in Q1 of 2023. Feedback from AEPA was received in January 2024, which determined that the Project poses a 'moderate risk' to wildlife and wildlife habitat, based on Project siting, wildlife use in the area, and commitments made by the Proponent to mitigate and monitor wildlife impacts.

FMWI is currently preparing the Project application to be submitted to the Alberta Utilities Commission (AUC) under Rule 007 – Application – Wind Power Plants 10 Megawatts or greater – urban and rural. The Battery Energy Storage System (BESS) will fall under the same application process. FMWI will submit an Environmental Evaluation as part of the Facility Application for both the Wind and BESS that considers potential impacts for both Project components and potential mitigation measures for environmental features. FMWI expects to submit the application in Q2, 2024. The Public will be informed of the Application submission.



## Schedule:

FMWI has updated the preliminary projected timeline for the Project. These changes are shown in the table below and are subject to change.

| Activity  | Timeline            |
|---|---------------------|
| Alberta Environment and Parks (AEPA) Renewable Energy Referral Report | Q1 2024             |
| Public Notification and Project Information Package 4                 | Q2 2024             |
| AUC Application Submission  | Q2 2024             |
| AUC Review and Approval   | Q4 2024-<br>Q1 2025 |
| Municipal Development Application(s)                                  | Q2 2025             |
| Start of Construction   | Q3 2025             |
| Commencement of Operation   | Q3 2027             |

# Emergency Response Plan

FMWI has a draft Emergency Response Plan (ERP) that will be distributed to both Wainwright and Provost Emergency Services for review. The ERP will move closer to finalization once the technology is confirmed prior to construction. The Engineering, Procurement, Construction, and Management (EPCM) team will oversee the ERP and continuously update the document as needed, throughout the life of the Project. This draft ERP will be submitted with the submission to the AUC.

## Community Benefit

FMWI commits to creating a positive impact in the communities where we develop renewable projects. As we learn more about each community, we discover initiatives that would benefit from our contributions. FMWI commits to the establishment of Community Benefit Funds of ~\$375,000 each over the life of the Project for the Municipal Districts of Provost and Wainwright, to be initiated at the Commercial Operation Date.

### **Shared Benefit Residence Fund**

FMWI has created the Shared Benefit Residence Fund (SBRF) for the owners of residences situated within 1500 metres of one or more Project turbines.

Through this opt-in program participating and qualifying individuals would receive annual payments for the duration of the operation of the Project, which is estimated at 25 years. Those landowners believed to qualify for the SBRF will be contacted directly by FMWI.

### **Tax Revenue and Economic Benefit**

Fox Meadows will provide 10s of millions of dollars of tax revenue for both the MDs of Wainwright and Provost. In addition, the Project is expected to inject \$70+ million into the Alberta economy in goods and services contracts, much of that earmarked for local businesses.

# Project Contact and Consultation

The consultation process is guided by the Alberta Utilities Commission (AUC), Rule 007. FMWI commits to forthright and meaningful communication that is timely and respectful.

If you have questions about the Regulatory and Consultation Process, you can contact the AUC at 403-592-4500 or find information at: [www.auc.ab.ca](http://www.auc.ab.ca)

We look forward to hearing from you.

For more information, please visit our website at [www.foxmeadowswind.com](http://www.foxmeadowswind.com) or contact us at:



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ABO Energy AG was founded in 1996 and is a leading developer of renewable energy projects. ABO Energy focuses on developing wind, solar, energy storage, and green hydrogen projects throughout Canada.

For more information, please visit: [www.aboenergy.com](http://www.aboenergy.com).

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Renewables  
are our DNA

