



Nose Hill Wind Farm



Newsletter July 2024

Nose Hill Wind Farm Inc. (NHFV) is proposing Nose Hill Wind Farm (“Nose Hill” or the “Project”) approximately 15 km North of the Town of Veteran, within the municipal districts of Special Areas No. 4 and the County of Paintearth. NHFW is the managing entity for this Project, and it is being developed by ABO Energy Canada Ltd. in partnership with Clem Geo-Energy Corp. The up to 145 MW project will consist of up to 20 wind turbines and an up to 70MW Battery Energy Storage System (BESS). The Project layout design is guided by input from stakeholders, technical experts, the consideration of environmental constraints, Alberta Transportation,

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 permanent meteorological tower. To verify the wind potential in the area, a temporary LiDAR was in place from June 2023 to May 2024. In addition, a temporary 120-meter meteorological tower was erected in November 2023. The Project area was selected due to favourable wind speeds, land topography, available grid capacity and supportive landowners agreeing to infrastructure on their property.



The Project

Project Summary Table

Estimated number of turbines:	20
Estimated nameplate Capacity of each turbine:	6.2 to 7.2 MW
Estimated nameplate Capacity of Project:	125- 145 MW
Estimated Hub Height of turbines:	100 - 125 metres
Estimated blade length	80 - 90 metres
Estimated size of battery:	70 MW/219.2 MW hours on 6 acres of land
Estimated footprint size of substation:	~2 acres
Estimated length of transmission line:	Less than 800m

The Provincial Moratorium on Renewable Application Approvals & Regulatory Changes

Following the Province of Alberta Moratorium on Renewables, the Alberta Utilities Commission (AUC) released 'Module A Report', which provides recommendations and options for ongoing economic, orderly, and efficient development of electricity generation in Alberta. The Report focuses on 4 issues related to development:

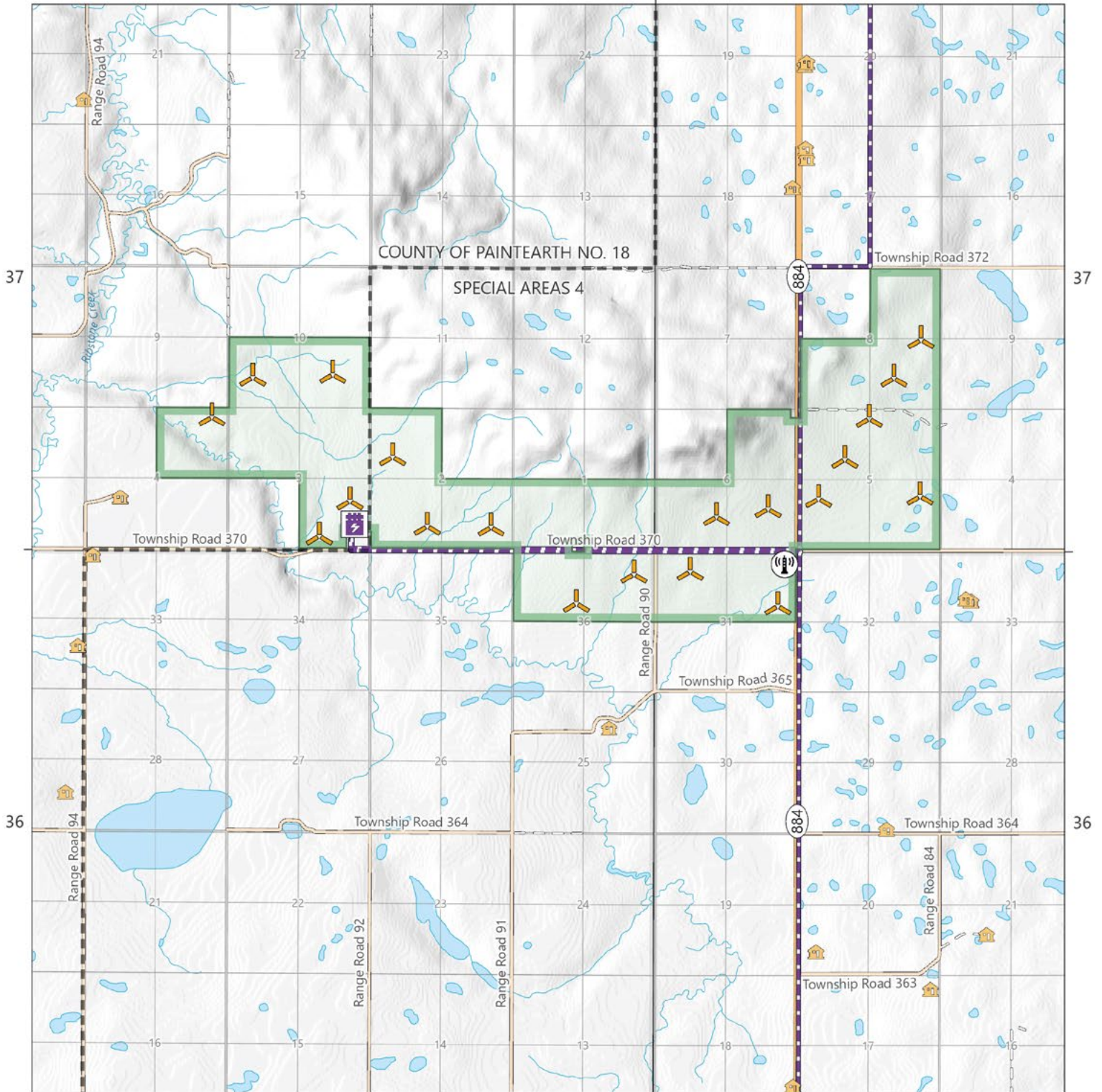
- The development of power plants on specific types or classes of agricultural or environmental land
- The impact of power plant development on pristine views
- The implementation of reclamation security requirements for power plants
- The development of power plants on lands held by the Crown in the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

NHWF will comply with what we believe is the intention of this report's recommendations. As the intention of the AUC is to update their guidelines and release new module reports, NHWF will follow the regulatory changes as required.

The Module A Report and regulatory updates can be found on the AUC Website: www.auc.ab.ca

9W4

8W4



Nose Hill Wind & Battery Project

Preliminary Layout - Subject to Change

-  Project Boundary
-  Turbine Site
-  Existing ATCO Substation
-  Existing Transmission Line
-  Residence
-  Temporary Meteorological Tower

0 500 1,000 2,000 3,000 m
 Scale: 1:62,000
 Projection: NAD83 UTM Zone 12N
 Publish Date: 2024-07-08

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 NHWF will adhere to in order to minimize impact to people, their activities and the environment. These include but are not limited to::

- 1000 metre turbine setback from residences unless agreed upon with the landowner
- Setback compliance with the maximum sound levels permitted at residences (AUC Rule 012)
- Consideration of shadow flicker impacts
- Turbine setbacks from Class III+ wetlands
- Avoidance of Project development on Native Grasslands

Potential Impacts and Environmental Studies

NHWF is working with third-party experts to perform the required technical and environmental studies needed to support the siting of Project infrastructure. The studies include:

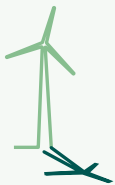
Noise

The Project will have sound-generating infrastructure, which includes the wind turbines, substation, and the BESS. NHWF will be designed in accordance with the Alberta Utilities Commission (AUC) Rule 012 (Noise Control). AUC Rule 012 is intended to ensure noise levels from new infrastructure, combined with noise from existing infrastructure, does not exceed the permissible sound level. A noise impact assessment will be carried out by a third-party consultant and will be included as part of the application to the AUC.



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.



Environment

Environmental studies commenced in April 2019, with results submitted to Alberta Environment and Protected Areas (EPA) in September 2020. NHWF received their Renewable Energy Referral Report in March 2021 receiving a high risk ranking due to the turbine layout. NHWF is revising the layout to avoid the wildlife features (Native Grassland) presented as a concern by EPA. NHWF is continuing environmental studies as required to comply with EPA guidelines. These updates will continue until approval from the AUC. After the approval, environmental studies will consist of pre-construction and post-construction monitoring.



Historical Resources

NHWF is working with a third-party expert to assist in consultation with Alberta Culture, Multiculturalism and Status of Women for consideration of any potential archaeological, historical and paleontological sites in the Project Area. From desktop analysis there is a known archaeological site within the Project area. NHWF will continue to work with the third-party experts to ensure all information, avoidance and studies required for clearance under the Historical Resources Act are received.



Decommissioning/Reclamation

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. In addition, NHWF is following the Province's Conservation and Reclamation Directive for Renewable Energy. This report can be found on the Alberta Environment and Protected Areas Website.

The interim requirements currently compel NHWF to complete a third part report on the reclamation and decommissioning costs. This will be completed for the submission to the AUC.

Benefits



NHWF 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 Special Areas No. 4 & the County of Paintearth No. 18
- 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

Regulatory Process

NHWF will continue to engage and update EPA on changes to the layout as the Project progresses. Once this has been finalized an application will be made to the AUC. Under Rule 007 – Application – Wind Power Plants 10 Megawatts or greater – urban and rural. NHWF will comply with the interim requirements as outlined in the “AUC inquiry into the ongoing economic, orderly and efficient development of electricity generation in Alberta, Module A Report, January 31, 2024” for the submission.

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 Protected Areas
- Special Areas No. 4
- County of Paintearth No. 18
- Alberta Utilities Commission
- Alberta Electric System Operator
- Alberta Transportation
- Alberta Culture, Multiculturalism and Status of Women

Preliminary Schedule

NHWF has provided a preliminary projected timeline for the Project. Please note these timelines are subject to change.

Public Notification and Project Information Package 1	Q3 2024
Open House	Q4 2024
Public Notification and Project Information Package 2	Q4 2024
AUC Application Submission	Q1 2025
AUC Review and Approval	Q1 2025 – Q3 2025
Municipal Development Application(s)	Q3 2025
Start of Construction	Q4 2025
Commencement of Operation	Q2 2027

Consultation

The consultation process is guided by the AUC, Rule 007. NHWF 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 <http://www.auc.ab.ca>

The Developers



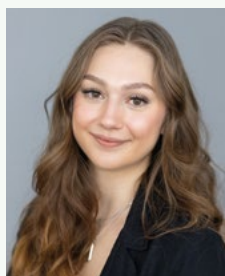
ABO Energy, formally known as ABO Wind, was founded in 1996 and is a leading developer of renewable energy projects. ABO Energy Canada Ltd. opened its Canadian headquarters in Calgary in 2017 and focuses on developing wind, solar, energy storage, and green hydrogen projects throughout Canada. The ABO Energy Canada team is supported by over 1300 team members from across the globe. For more information, please visit: www.aboenergy.com



Clem Geo-Energy Corp. is a private company established in October 2014. They are focused on building utility-scale wind and solar facilities in Canada and are working towards future sustainable business developments. Learn more at: www.clemgeo.com

Project Contact

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



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