

# Environmental Assessment Approval

**Approval Date:** January 24, 2025

## **MELVIN LAKE WIND PROJECT**

**Melvin Lake Wind Inc.**

**Halifax and Hants Counties, Nova Scotia**

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### **Terms and Conditions for Environmental Assessment Approval**

#### **1 Definitions**

- 1.1 *Act* means Environment Act 1994-95, c.1, s.1, and includes, unless the context otherwise requires, the regulations made pursuant to the Act, as amended from time to time.
- 1.2 Department means the Department of Environment and Climate Change, and the contact for the Department for this Approval is:  
  
Nova Scotia Environment and Climate Change  
Central Region, Bedford Office  
30 Damascus Road  
Suite 115  
Bedford NS B4A 0C1  
Phone: 902-424-7773 Fax: 902-424-0597
- 1.3 Minister means the Minister of Environment and Climate Change.
- 1.4 Commencement means the same as to commence work, as defined in the Environmental Assessment Regulations.
- 1.5 EA means Environmental Assessment.
- 1.6 Surface watercourse means a watercourse as defined in the *Environment Act*, excluding groundwater.
- 1.7 Registration Documentation means the Registration Document and all documentation submitted as part of the EA process to the Department prior

to the issuance of this Approval as well as any supporting documentation.

## **2 Scope**

- 2.1 This Approval (the "Approval") relates to the Approval Holder(s) and their Registration Document for the Melvin Lake Wind Project, situated at or near Pockwock, and within Halifax and Hants Counties Nova Scotia, hereafter referred to as the "Project."
- 2.2 The Approval Holder(s) shall ensure the Project is carried out in accordance with this Approval and their Registration Documentation.

## **3 General**

- 3.1 The Approval Holder shall conduct the Project in accordance with the Environment Act, as amended from time to time.
- 3.2 The Approval Holder shall, within two years of the date of issuance of this Approval, commence work on the Project unless granted a written extension by the Minister.
- 3.3 The Approval Holder shall provide written notification to the Department of the commencement date of the Project, at a minimum 30 days prior to the commencement.
- 3.4 The Approval Holder shall provide to the Department a concordance table detailing the status of the EA terms and conditions on or before January 31 of each year until released in writing by the Department.
- 3.5 Prior to any proposed expansion, modification, or relocation of any aspect of the Project from that proposed in the Registration Documentation, the Approval Holder must submit the proposal to the EA Branch for review and may require additional information from the Approval Holder or an EA.
- 3.6 Nothing in this Approval relieves the Approval Holder of the responsibility for obtaining and paying for all other licenses, permits, approvals or authorizations necessary for carrying out the Project which may be required by municipal by-laws or provincial or federal legislation including ECC approvals or permits. The Minister does not warrant that such licenses, permits, approvals or authorizations will be issued.

- 3.7 For further clarity the Approval Holder shall apply for and receive the required Wetland Alteration Approval(s) from the Department prior to the alteration of applicable wetlands in the Study Area. Decisions regarding such approvals will be made based on the information provided at the time of application while applying the *Environment Act* and relevant regulations.
- 3.8 No authority is granted by this Approval to enable the Approval Holder(s) to commence or continue the Project on lands which are not in the control or ownership of the Approval Holder(s). It is the responsibility of the Approval Holder(s) to ensure that such a contravention does not occur. Failure to retain said authorization may result in this Approval being cancelled or suspended.
- 3.9 The Approval Holder shall not transfer, sell, lease, assign or otherwise dispose of this Approval without the written consent of the Minister. The sale of a controlling interest of a business or a transfer of this Approval from a parent company to a subsidiary or an affiliate is deemed to be a transfer requiring consent.
- 3.10 Upon any changes to the Registry of Joint Stock Companies information related to the Approval Holder, the Approval Holder shall provide a copy to the Department within 5 days of the changes.
- 3.11 If there is a discrepancy between the Registration Documentation and the terms and conditions of this Approval, the terms and conditions of this Approval shall apply.
- 3.12 Where a timeline is associated with a condition(s) of the Approval, the Approval Holder shall fulfil the requirements of the condition(s) within the prescribed timeline, unless otherwise authorized in writing by the Department.
- 3.13 Where the provision of a plan is associated with a condition(s) of the Approval, the Approval Holder may submit the plan in phases, with the written consent of the Department, and shall fulfil the requirements of the condition(s). Where consent is provided in accordance with this section, work associated with and subject to a particular phase of a plan may only continue to the extent where the relevant phase(s) of the plan are complete.
- 3.14 The Approval Holder shall notify the Department of any incidents of non-

compliance with this Approval immediately and in accordance with the *Act* and Regulations.

- 3.15 The Approval Holder shall bear all expenses incurred in carrying out the environmental management and monitoring required under the terms and conditions of this Approval, the *Act* or the Regulations.
- 3.16 Unless specified otherwise in this Approval, all samples required to be collected by this Approval, the *Act* or the Regulations shall be collected, preserved, and analysed, by qualified personnel, in accordance with recognized industry standards and procedures and in accordance with any Standard under the *Act* or Regulations.
- 3.17 The Approval Holder shall ensure that this Approval, or a copy, is present at the Project site while personnel are on site and that personnel directly involved in the Project are made fully aware of the terms and conditions which pertain to this Approval.
- 3.18 The Approval Holder shall update and/or revise any of the plans, programs or other documents required in this Approval to reflect the progressive development of the Project, and at any time deemed necessary by the Department. The Approval Holder shall make the documents available upon request by the Department.
- 3.19 Throughout the life of the Project, the Approval Holder shall conduct any additional studies or monitoring and/or implement additional mitigation measures as required by the Department.
- 3.20 The Approval Holder shall provide to the Department a summary table detailing the results of the monitoring required in this Approval, or otherwise completed for the Project, on or before January 31 of each year until released in writing by the Department.

#### **4 Project Design and Operation**

- 4.1 Prior to road construction and/or upgrades, the Approval Holder shall submit an updated shadow flicker assessment, noise modelling (including background/baseline noise), and the final turbine selection/placement to the Department. The updated modelling must include specifications from final selected turbines and demonstrate compliance with this Approval.
- 4.2 The Approval Holder shall be responsible for the costs of any third-party

review of plans, reports, or monitoring results deemed necessary by the Department over the life of the Project.

## **5 Water Resources**

- 5.1 The Approval Holder shall not conduct any Project activities (including refuelling) or remove vegetation within 30 metres of a surface watercourse and/or a wetland unless otherwise authorized in writing by the Department.
- 5.2 Prior to road construction and/or upgrades, the Approval Holder shall submit a Surface Water Management Plan to the Department. This plan shall identify potential effects from construction of roads or other Project components on local surface water drainage patterns and identify mitigation measures for the protection of wetlands and surface watercourses. This plan shall be developed by a qualified professional engineer, hydrogeologist or geoscientist licensed to practice in the Province of Nova Scotia.
- 5.3 Prior to commencement, the Approval Holder shall submit a detailed Sediment and Erosion Control Plan to the Department. The plan shall include all clearing, grubbing, and stripping required for the Project and shall be designed by a qualified professional engineer licensed to practice in Nova Scotia.
- 5.4 The Approval Holder shall immediately contact the Department should sulphide bearing material be encountered on the Project site, and at the request of the Department, develop and implement a plan to manage the sulphide bearing material.
- 5.5 Prior to blasting, the Approval Holder shall submit a blasting plan to the Department. The plan shall include completed pre-blast surveys and a water quality analysis for each water well within 800 m of the point of blast that includes, but is not limited to, analysis for uranium.
- 5.6 The Approval Holder shall immediately contact ECC and NR – Geosciences and Mines Branch, should elevated levels of uranium mineralization be encountered on the Project site, and at the request of the Department, develop and implement a plan to manage the uranium mineralization.
- 5.7 The Approval Holder, at their expense, shall replace any water supplies lost or damaged resulting from Project operations, as authorized and required by the Department.

## **6 Habitat, Flora and Fauna**

- 6.1 Prior to commencement, the Approval Holder shall provide the Wildlife Division and Regional Services, Department of Natural Resources (NR) with digital way points and shape files revealing precise locations for wetlands, and species listed under the Species at Risk Act (SARA) and/or Endangered Species Act (ESA), as well as Species of Special Concern (i.e. species assessed by the Committee on the Status of Endangered Wildlife in Canada as at risk, but not listed under SARA or ESA, and all S1, S2 and S3 listed species under the Atlantic Canada Conservation Data Centre) identified during field work. The data provided to NR shall include, at minimum, the date of the field observances and habitat description.
- 6.2 Prior to commencement, the Approval Holder shall submit a Wildlife Management Plan to ECC, NR and Environment and Climate Change Canada (ECCC). The plan must describe how the Approval Holder intends to meet the requirements of relevant federal and provincial legislation, including but not limited to, ESA, the Migratory Birds Convention Act and SARA.
- 6.3 Prior to operation of the turbine(s) the Approval Holder must develop a mortality monitoring program for birds and bats for not less than two years and submit to NR and ECCC. The program shall include associated reporting requirements and be implemented from the time turbine(s) become operational.
- 6.4 Prior to construction of turbine(s) the Approval Holder must develop and submit to ECC, NR and ECCC an Adaptive Management Plan that includes a decision-making process to mitigate potential project impacts to bird and bat species, and the associated reporting requirements. The Plan shall be implemented from the time turbine(s) become operational. Additional mitigation measures may be required by the Department.
- 6.5 The Approval Holder shall conduct surveys for Mainland Moose for a minimum of two (2) years during the operational phase of the project, in a buffered zone of influence extending up to two (2) kms from the project footprint, to assess potential effects of disturbance. The results of the survey shall be provided to the Wildlife Division of NR.

## **7 Air Quality, Noise and Visual Impact**

- 7.1 The Approval Holder shall ensure that operational noise levels at any

permanent or seasonal receptors do not exceed 40 dBA. At the request of the Department, the Approval Holder shall retain a qualified person to develop a plan to monitor noise in accordance with the Department's "Guidelines for Environmental Noise Measurement and Assessment, 2023", as amended from time to time. The plan shall be submitted to the Department and implemented upon request.

- 7.2 The Approval Holder shall ensure that all noise emissions meet sound level limits specified in the Nova Scotia Environment and Climate Change "Guidelines for Environmental Noise Measurement and Assessment" (2023), as amended from time to time.
- 7.3 The Approval Holder shall ensure that shadow flicker does not exceed the shadow flicker limits of 30 minutes per day, or 30 hours per year, at any permanent or seasonal receptor.
- 7.4 At the request of the Department, the Approval Holder shall develop and implement a plan to monitor shadow flicker under varying seasonal conditions. The plan shall include sampling locations, parameters, monitoring methods, protocols and frequency.

## **8 Archaeological and Heritage Resources**

- 8.1 The Approval Holder shall cease work and contact the Special Places Coordinator, Nova Scotia Department of Communities, Culture, Tourism and Heritage (CCTH) immediately upon discovery of an archaeological, or paleontological site, artifact or fossil specimen unearthed during any phase of the Project. If the find is of certain or possible Mi'kmaq origin, the Approval Holder shall also contact the appropriate Mi'kmaq representatives as advised by CCTH.
- 8.2 Prior to road construction and/or upgrades, or any associated ground disturbance activities, the Approval Holder shall complete the Archaeological Resource Impact Assessment (ARIA) for Heritage Research Permit A2024NS130 as described in the Registration Documentation. The final report shall be made available to CCTH and ECC.
- 8.3 Prior to road construction and/or upgrades, or any associated ground disturbance activities, the Approval Holder shall complete a program of subsurface testing for any areas of elevated archaeological potential identified under Heritage Research Permit A2024NS130 and A2023NS003, that cannot

be avoided in the course of development. Results shall be submitted to CCTH and ECC prior to construction to determine if further archaeological monitoring is required during ground disturbance activities of these areas.

## **9 Public Engagement**

- 9.1 Prior to commencement, the Approval Holder shall develop and implement a comprehensive complaint resolution plan for receiving and responding to complaints related to the Project. The plan shall be made available to the Department upon request.
- 9.2 Prior to commencement, the Approval Holder shall appoint a contact person designated to deal with complaints and shall provide the contact information to the Department.
- 9.3 The Approval Holder shall continue to maintain the Community Liaison Committee (CLC) and shall ensure fulsome engagement with the diverse communities in the project's vicinity. The CLC shall meet the Department's Guide for the Formation and Operation of a Community Liaison Committee, as amended from time to time. The Approval Holder shall operate the CLC for the duration of the Project or until released in writing by the Department.

## **10 Engagement with the Mi'kmaq of Nova Scotia**

- 10.1 Prior to commencement, the Approval Holder shall develop and implement a Mi'kmaq Communication Plan, which will include, but not be limited to, a process for communicating Project details and seeking input from the Mi'kmaq of Nova Scotia on the development and implementation of Project mitigation and monitoring plans. The plan shall be updated regularly and be available to the Department and the Mi'kmaq of Nova Scotia upon request.

## **11 Contingency Plan**

- 11.1 Prior to commencement, the Approval Holder shall submit a comprehensive contingency plan to the Department which meets the Department's Contingency Planning Guidelines. The plan shall provide preventative measures and address accidental occurrences including, but not limited to, spills of hydrocarbons or other hazardous materials, failure of erosion and sediment control measures, fires and vehicular collisions. The Plan shall be implemented, maintained, and updated over the life of the Project.



- 11.2 The contingency plan shall be maintained and updated as necessary, always kept on the Project site (while personnel are on-site) and be made available to the Department upon request.

## **12 Rehabilitation**

- 12.1 The Approval Holder shall submit a decommissioning and site reclamation plan to the Department, two years prior to the end of operation.
- 12.2 Project operations shall be completed and reclaimed to the satisfaction of the Department and other appropriate regulatory departments.
- 12.3 In the event any turbine ceases to be operational for a period of two years, the Approval Holder shall submit a report to the Department outlining a timeline for reparation to the unit(s) to either render it fully functional or provide similar details for removing the turbine from the site within two years from the date the report was received by the Department.



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Honourable Timothy Halman, MLA  
Minister of Environment and Climate Change