

## Power Plant Approval 23753-D02-2019

Appendix 1 to Decision 23753-D01-2019

June 27, 2019

Enel Alberta Wind Inc.  
Amendment to Phase II of the  
Castle Rock Ridge Wind Power Project

Proceeding 23753  
Application 23753-A001

Enel Alberta Wind Inc., pursuant to Approval 22539-D02-2017,<sup>1</sup> has approval to construct and operate the Castle Rock Ridge Wind Power Project located in the Pincher Creek area. The Castle Rock Ridge Power Project was designed to be constructed in two phases. Phase I has been constructed and is operating.

Enel, by Application 23753-A001 registered July 20, 2018, applied to the Alberta Utilities Commission for approval to amend phase II of the power plant by reducing the number of turbines from 14 to seven and changing the turbine model from 2.3-megawatt (MW) turbines to 4.2-MW turbines.

The Commission, pursuant to Section 11 of the *Hydro and Electric Energy Act*, approved the application in Decision 23753-D01-2019,<sup>2</sup> and granted an approval to Enel to alter and operate the power plant, subject to the provisions of the *Hydro and Electric Energy Act* and the *Alberta Utilities Commission Act*, any regulations made under the acts, any orders made under the acts, the Commission rules made pursuant to the *Alberta Utilities Commission Act*, and the following terms and conditions:

1. The power plant shall be located in sections 1, 11, 12, 14, 15, 21, 22 and 23 of Township 7, Range 30, west of the Fourth Meridian.
2. Phase I of the power plant shall consist of 33 turbines rated at 2.31 MW, as further described in previous applications, and phase II shall consist of seven turbines each rated at 4.2 MW, as described in the application, for a total generating capability of 105.63 MW.
3. Each wind turbine shall be installed with its centre at the longitude and latitude coordinates specified in the applications. If the turbine must be located more than 50 metres from the specified coordinates, Enel must apply to the Commission for an amendment to this approval prior to construction.

<sup>1</sup> Power Plant Approval 22539-D02-2017, Proceeding 22539, Application 22539-A001, April 13, 2017.

<sup>2</sup> Decision 23753-D01-2019: Enel Alberta Wind Inc. – Castle Rock Ridge Phase II Wind Power Project, Proceeding 23753, Application 23753-A001, June 27, 2019.

4. The power plant shall also consist of an underground 34.5-kilovolt (kV) gathering system as described in the applications. The gathering system is to be used solely for collecting the electric energy generated by each turbine and transmitting that electric energy to the Alberta Interconnected Electric System. All branches of the 34.5-kV gathering system are to be located on private property except at locations crossing public road allowances, in which cases, approvals for the crossings must be acquired from the governing authorities.
5. The power plant shall be constructed in two phases, consisting of 33 and seven wind-powered turbines respectively, as described in this application and previous applications.
6. The following are conditions of Decision 23753-D01-2019:
  - a. Enel shall provide a report summarizing the results of discussions with Transport Canada, the measures it implemented to reduce turbine lighting and any additional mitigation measures it intends to implement, within six months of the project becoming operational.
  - b. Enel shall implement the required nighttime curtailments, as described below, as of the date the project turbines commence operation.
    - i. Shutdown: 11 Castle Rock Ridge Phase I turbines (#3, #30, #38, #39, #40, #41, #42, #46, #47, #48 and #49)
    - ii. S02 mode: all seven Castle Rock Ridge Phase II turbines
  - c. On the date the project commences operations, Enel shall file a letter with the Commission confirming operating conditions and curtailments for project turbines and for turbines associated with relevant baseline facilities.
  - d. In accordance with Rule 012, Enel shall conduct a post-construction comprehensive sound level (CSL) survey at receptors 4, 5, 8, 9, 14 and 15. Enel shall file all studies and reports pertaining to the post-construction CSL survey within one year of connecting the project to the Alberta Interconnected Electric System.
  - e. Enel will abide by all of Alberta Environment and Parks' (AEP) requirements, recommendations, and directions outlined in the AEP referral report and by all additional commitments made in its responses to information requests (IRs) from AEP.
  - f. The siting, construction and operation of the project's infrastructure will meet all of AEP's recommended minimum setbacks from wetlands, watercourses and wildlife species-at-risk habitat features for the project, unless AEP has agreed to a reduced setback and/or alternative mitigation.
  - g. If any changes are made to any infrastructure associated with the project, the construction schedule, or the proposed wildlife mitigation measures, Enel will submit these changes to AEP for its further review to ensure wildlife and wildlife habitat are protected

- h. Enel shall abide by all of the commitments and recommendations included in its final version of the environmental protection plan, construction and operation mitigation plan and post-construction monitoring plan developed for the project. Enel shall implement all mitigation measures identified in these documents.
  - i. Enel shall communicate to AEP the discovery of any carcasses of species at risk that might be observed near project infrastructure during construction, operation and maintenance and, if required, implement mitigation measures in consultation with AEP.
  - j. To the extent practicable, Enel shall schedule any non-emergency, regularly scheduled (e.g., annual or semi-annual) maintenance activity during the peak August period of migratory bat activity to reduce potential migratory bat mortalities.
  - k. Enel shall abide by all of AEP's recommendations pertaining to post-construction mitigation and monitoring, as outlined in AEP's referral report.
  - l. Enel shall abide by all of the requirements and commitments outlined in the referral report, as well as the final version of its post-construction wildlife monitoring and mitigation plan and environmental protection plan as accepted and reviewed by AEP.
  - m. After the project is operational, Enel shall carry out site-specific post-construction monitoring surveys in the manner and for the period recommended by AEP in the referral report or as required by the *Wildlife Directive for Alberta Wind Energy Projects*. A report summarizing the results of these surveys is to be submitted annually to AEP and the Commission, along with any correspondence from AEP providing its views on the report.
  - n. All post-construction monitoring must be conducted under the direction of an experienced wildlife biologist, as defined in the *Wildlife Directive for Alberta Wind Energy Projects*.
  - o. As part of its post-construction wildlife monitoring program, Enel shall communicate to AEP the corrected mortality rates for birds and bats (using an AEP approved "fatality estimator") and upon the discovery of any carcasses of species at risk, must report the discovery to AEP. Enel must abide by any AEP requirements to implement new mitigation measures to prevent or reduce further mortalities.
  - p. Enel will comply with all applicable reclamation standards in accordance with the *Environmental Protection and Enhancement Act*, its regulations and directives, and any applicable development permits. If no legislative requirements pertaining to reclamation are in place at the time of decommissioning, Enel will submit a reclamation plan to the Commission for approval.
7. Enel shall submit a construction progress report to the Commission in writing, once every six months, pursuant to Section 3 of the *Hydro and Electric Energy Regulation*. The first progress report shall be filed with the Commission six months from the date of issuance of this approval.
8. Enel shall notify the Commission within 30 days of completing the construction of phase II of the power plant.

9. Unless otherwise authorized by the Commission, the power plant shall be completed by March 31, 2020.
10. Enel shall obtain Commission approval prior to making any material changes to the power plant or substantially varying the design and/or specifications of the power plant from what was stated in the application or from what the Commission has approved.
11. This approval is not transferable unless approved by the Commission.

Approval 22539-D02-2017 is rescinded.

The Commission may cancel or suspend this approval, in whole or in part, in accordance with Section 41 of the *Hydro and Electric Energy Act* or may review this approval, in whole or in part, upon its own motion or upon an application by an interested party, in accordance with Section 10 of the *Alberta Utilities Commission Act*.

The Commission may, within 30 days of the date of this approval and without notice, correct typographical, spelling and calculation errors and other similar types of errors and post the corrected approval on its website.

**Alberta Utilities Commission**

*(original signed by)*

Carolyn Hutniak  
Panel Chair