



Calgary Energy Centre No. 2 Inc.

Calgary Energy Centre Power Plant FD6 Maintenance Upgrade Project

March 2, 2022

Alberta Utilities Commission

Decision 27105-D01-2022

Calgary Energy Centre No. 2 Inc.

Calgary Energy Centre Power Plant FD6 Maintenance Upgrade Project

Proceeding 27105

Application 27105-A001

March 2, 2022

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The Commission may, no later than 60 days of the date of this decision and without notice, correct typographical, spelling and calculation errors and other similar types of errors and post the corrected decision on its website.

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1 Decision summary

1. In this decision, the Alberta Utilities Commission (AUC) approves an application from Calgary Energy Centre No. 2 Inc. (CEC2), to alter the Calgary Energy Centre Power Plant, located in Balzac, Alberta.

2 Application

2. ENMAX Energy Corporation, on behalf of CEC2, by Application 27105-A001, filed a letter of enquiry on January 19, 2022, to request an amendment to the approval for the Calgary Energy Centre Power Plant (the power plant) to reflect an increase in the total generating capability of the power plant from 330 megawatts (MW) to 360 MW. Pursuant to Section 11¹ of the *Hydro and Electric Energy Regulation*, the letter of enquiry process is an abbreviated approval process which is available for power plant owners to make minor alterations to a power plant. Pursuant to Section 12 of the *Hydro and Electric Energy Regulation*, a letter of enquiry must contain information respecting the following: the need for the proposed work; the nature and extend of the proposed work; the land affected by the proposed work, and its ownership; the timing of the proposed work; and any environmental impact that may result from the proposed work.

3. The proposed work is related to facilities operating in accordance with AUC Approval U2012-302.² The power plant currently consists of a 190-MW single natural gas-fired combustion turbine generator and a 140-MW steam turbine generator. CEC2 stated that, as part of regular scheduled maintenance of the natural gas turbine, the turbine blades are to be removed and replaced with new blades. As a result of the proposed blade replacement, there would be an increase in the output of the natural gas turbine by 30 MW. CEC2 stated that the 30-MW increase only pertains to the natural gas turbine output and that there would be no change in the steam turbine output as a consequence of the blade replacement of the natural gas turbine.

¹ *Hydro and Electric Energy Regulation*, Section 11: Unless the Commission directs otherwise, if a person proposes to make minor alterations to a power plant, transmission line or electric distribution system other than minor alterations to which Section 18.2 applies, the person may apply for an approval or permit or an amendment to an approval or permit referred to in section 11, 14 or 25 of the act, as the case may be, by submitting a letter of enquiry to the Commission in accordance with AUC Rule 007: *Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations, Hydro Developments and Gas Utility Pipelines*.

² Power Plant Approval U2012-302, Proceeding 1799, Application 1608275, June 28, 2012.

4. CEC2 stated that the blade replacement is scheduled for April and May of 2022, and that the project would consist of the replacement of the gas turbine blades together with associated internal turbine components, and a software upgrade.

5. Due to the nature of the application, a notice of application was not issued and, therefore, a hearing was not required as the Commission considered that its decision or order would not directly and adversely affect the rights of a person pursuant to Section 9 of the *Alberta Utilities Commission Act*.

3 Findings

6. For the reasons outlined below, the Commission finds that the proposal is of a minor nature, no person is directly and adversely affected by the proposal and no significant adverse environmental impact will be caused by the proposed alterations, thereby meeting the requirements of Section 11 of the *Hydro and Electric Energy Regulation*.

7. CEC2 stated that there would be no emissions intensity or noise changes due to the blade replacement and that the power plant would remain compliant with the emission limits set out in the current *Environmental Protection and Enhancement Act* approval.

8. CEC2 stated that all work would be located within the gas turbine enclosure and there would be no impact to stakeholders. CEC2 provided a project information package to all stakeholders within a 2,000-metre radius of the power plant. There was no feedback received from stakeholders.

9. In response to a Commission information request, CEC2 provided a comparison of the sound power level for the exhaust stack before and after the blade replacement and provided the predicted sound levels at the most impacted dwelling to demonstrate its compliance with the permissible sound levels stipulated in Rule 012: *Noise Control*.

10. CEC2 confirmed that the power plant would continue to remain in compliance with Alberta Electric System Operator rules, operating procedures and standards in all respects, after the increase in capability.

4 Decision

11. Pursuant to Section 11 of the *Hydro and Electric Energy Act*, and subject to the provisions of the *Hydro and Electric Energy Act*, 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 terms and conditions set out in Appendix 1 – Power Plant Approval 27105-D02-2022, the Commission approves Application 27105-A001 and grants Calgary Energy Centre No. 2 Inc. Power Plant Approval 27105-D02-2022 to alter and operate the Calgary Energy Centre Power Plant.

12. The appendix will be distributed separately.

Dated on March 2, 2022.

Alberta Utilities Commission

(original signed by)

Carolyn Dahl Rees
Chair