



**BowArk Energy Ltd.**

**McGregor Lake 200S Substation**

**May 19, 2015**

**Alberta Utilities Commission**  
Decision 20142-D01-2015  
BowArk Energy Ltd.  
McGregor Lake 200S Substation  
Proceeding 20142  
Application 20142-A001

May 19, 2015

Published by the:

Alberta Utilities Commission  
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## **1 Introduction**

1. BowArk Energy Ltd. (BowArk) filed an application with the Alberta Utilities Commission for approval to construct and operate a substation designated as McGregor Lake 200S substation pursuant to sections 14 and 15 of the *Hydro and Electric Energy Act*. The application was registered on February 6, 2015, as Application 20142-A001.
2. The Commission issued a notice of application for Proceeding 20142 on April 16, 2015, with a deadline for interested parties to file submissions on or before May 8, 2015. The notice was sent directly to landowners, agencies and other interested parties in the vicinity of the proposed development and was also published on the AUC website. No objections were received in response to the notice of application.

## **2 Discussion**

3. BowArk proposed that McGregor Lake 200S substation would be located in the southwest quarter of Section 17, Township 19, Range 22, west of the Fourth Meridian. The substation would be located adjacent to, and connected to, BowArk's approved Queenstown 90-megawatt natural gas-fired power plant. The substation is also adjacent to the existing Queenstown 504S substation, which it would connect to in order to interconnect the power plant to the Alberta Interconnected Electric System.
4. The McGregor Lake 200S substation would include the following equipment:
  - one 13.8/138-kilovolt, 105-megavolt-ampere transformer
  - one 138-kilovolt motorized disconnect
  - one 13.8-kilovolt transformer disconnect
  - one 13.8-kilovolt/600-volt transformer
  - one 13.8-kilovolt breaker
5. BowArk conducted a participant involvement program for the substation that included notifying landowners, residents and stakeholders within 2,000 metres of the project and consulting with the landowners within 800 metres of the project. BowArk stated that there were no residents within two kilometres of the project.
6. BowArk submitted that it did not expect the project would result in a significant adverse effect to the environment. BowArk submitted that no effects from the project were anticipated on two nearby wetlands and that prior to initiating construction it would conduct the additional

wildlife surveys which would follow Environment Sustainable Resource Development protocols. BowArk received *Historical Resources Act* clearance from Alberta Culture and Tourism.

7. BowArk submitted a noise impact assessment which predicted that the noise levels would be in compliance with Rule 012: *Noise Control*.

### **3 Findings**

8. The Commission has reviewed BowArk's application and finds that the application meets the information requirements stipulated in Rule 007: *Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations and Hydro Developments*, and there are no outstanding technical, routing, or environmental concerns associated with the substation.

9. BowArk's participant involvement program has been conducted and there are no outstanding public or industry objections or concerns.

10. The Commission finds that the noise impact assessment submitted by BowArk fulfills the requirements of Rule 012 and there are no noise related concerns associated with the substation.

11. Based on the foregoing, the Commission considers the application to be in the public interest in accordance with Section 17 of the *Alberta Utilities Commission Act*.

### **4 Decision**

12. Pursuant to sections 14, 15 and 19 of the *Hydro and Electric Energy Act*, the Commission approves the application and grants BowArk the approval set out in Appendix 1 – Substation Permit and Licence 20142-D02-2015 – May 19, 2015, to construct and operate the McGregor Lake 200S substation (Appendix 1 will be distributed separately).

Dated on May 19, 2015.

### **Alberta Utilities Commission**

*(original signed by)*

Tudor Beattie, QC  
Commission Member