



## **ENMAX Green Power Inc.**

### **50-kW Photovoltaic Micro-Generation System**

**April 3, 2013**

**The Alberta Utilities Commission**

Decision 2013-116: ENMAX Green Power Inc.  
50-kW Photovoltaic Micro-Generation System  
Application No. 1609257  
Proceeding ID No. 2403

April 3, 2013

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The Alberta Utilities Commission  
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## 1 Introduction and background

1. ENMAX Green Power Inc. (ENMAX Green) filed an application with the Alberta Utilities Commission (AUC or the Commission) for approval to construct, operate, and connect a 50-kilowatt (kW) solar power plant to ENMAX Power Corporation's (ENMAX Power) distribution system. The application was filed pursuant to sections 11 and 18 of the *Hydro and Electric Energy Act* and pursuant to the *Micro-Generation Regulation*. The application was registered on February 4, 2013, and assigned as Application No. 1609257 (application).

2. The solar power plant would be located within the Manchester Industrial area, on the rooftop of the two-story ENMAX Green building located at 141 – 50th Avenue S.E. Calgary, Alberta. The plant would consist of 216 modules each rated at 235 watts, with a total capacity of 50-kW. The solar panels would be installed at an approximately 10 degree angle facing south and would not be visible from street level.

3. ENMAX Green also stated that the proposed solar plant would not be visible to adjacent property owners, residents and/or occupants. The solar power plant would only be visible to the occupants of the high-rise towers located approximately 500 metres southwest. The edge of the building closest to the row of solar panels has a 38-cm high wall in front of the panels.

4. The reflection from the solar panels would not affect owners, residents and/or occupants of adjacent properties. ENMAX Green stated that the solar panels are designed to absorb sunlight in order to convert it into electricity, not reflect it.

5. ENMAX Power agreed to connect the solar power plant to its distribution system in accordance with the *Electric Utilities Act* and the *Micro-Generation Regulation*.

6. On February 22, 2013 the Commission issued information requests regarding the participant involvement program ENMAX Green conducted. ENMAX Green responded to the information request on March 4, 2013.

7. 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*.

## 2 Findings

8. The Commission recognizes that the *Micro-Generation Regulation* and the related AUC Rule 024: *Rules Respecting Micro-Generation* (AUC Rule 024) govern micro-generating

units respecting the definition of a micro-generating unit, the development, and connection and operation of micro-generation units. All power plant applications submitted to the Commission must comply with AUC Rule 007: *Rules Respecting Applications for Power Plants, Substations, Transmission Lines, and Industrial System Designations* (AUC Rule 007), including requirements for public consultation in preparation of the application, and must also comply with AUC Rule 012: *Noise Control* (AUC Rule 012).

9. The Commission has reviewed the application and has determined that the technical, siting, and environmental aspects of the power plant have been met.

10. The capacity of the solar plant is 50-kW and the energy produced is derived from a renewable source. The Commission is satisfied that the solar power plant meets the definition of a micro-generator pursuant to the *Micro-Generation Regulation* and meets the requirements under the *Micro-Generation Regulation* and AUC Rule 024.

11. The Commission finds that the application complies with all the requirements of sections 11 and 18 of the *Hydro and Electric Energy Act*, AUC Rule 007, and AUC Rule 012.

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

### **3 Decision**

13. Pursuant to Section 11 of the *Hydro and Electric Energy Act*, the Commission approves the application and grants ENMAX Green the approval set out in Appendix 1 – Power Plant Approval No. U2013-159 – April 3, 2013 (Appendix 1 will be distributed separately).

14. Pursuant to Section 18 of the *Hydro and Electric Energy Act*, the Commission approves the application and grants ENMAX Green the connection order set out in Appendix 2 – Connection Order No. U2013-158 – April 3, 2013 (Appendix 2 will be distributed separately).

Dated on April 3, 2013.

### **The Alberta Utilities Commission**

*(original signed by)*

Henry van Egteren  
Commission Member