



**EPCOR Distribution & Transmission Inc.**

**Summerside 657S Substation Alteration**

**April 1, 2021**

**Alberta Utilities Commission**

Decision 26320-D01-2021

EPCOR Distribution & Transmission Inc.

Summerside 657S Substation Alteration

Proceeding 26320

Application 26320-A001

April 1, 2021

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The Commission may, within 30 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.

## **1 Decision summary**

1. In this decision, the Alberta Utilities Commission approves an application from EPCOR Distribution & Transmission Inc. (EDTI) to alter and operate Summerside 657S Substation.

## **2 Discussion**

2. EDTI, pursuant to Permit and Licence 22680-D03-2017,<sup>1</sup> is the operator of Summerside 657S Substation located in the Edmonton transportation and utility corridor adjacent to Anthony Henday Drive.

3. On January 12, 2021, pursuant to ISO Rules Section 501.3 - Abbreviated Needs Approval Process, the Alberta Electric System Operator (AESO) issued a letter of approval for the need for transmission development to respond to a system access service request from a market participant<sup>2</sup> for additional transmission capacity at Summerside 657S Substation to serve a forecasted increase in residential and industrial load in the south Edmonton area.

4. On February 12, 2021, EDTI, in its capacity as the legal owner of an electric transmission system, filed an application with the AUC seeking approval to alter and operate the substation. EDTI proposed to meet the need approved by the AESO by adding one new 240/25-kilovolt (kV), 45/60/75-megavolt ampere (MVA) transformer, one new 240-kV circuit breaker, six new 25-kV circuit breakers and associated substation equipment.

5. EDTI noted that while the market participant's request could be met with four 25-kV breakers, EDTI is requesting approval to install the full lineup of 25-kV switchgear (six 25-kV breakers) for reasons of economies of scale, equipment availability, consistency with EDTI's standard practice, and to accommodate future connections for growth contemplated in the Distribution Deficiency Report that accompanied the system access service request. EDTI stated that the incremental cost attributable to the two additional breakers is approximately \$0.27 million.

6. EDTI stated that the market participant has agreed to bear the costs of the two additional breakers. EDTI estimated the cost of the project to be \$11.4 million, to be borne by the market participant.

7. EDTI stated that the project would be entirely contained within the existing substation fenceline. EDTI stated that with the implementation of mitigation measures, the environmental effects of the project will be minimal. EDTI retained ACI Acoustical Consultants Inc. to

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<sup>1</sup> Substation Permit and Licence 22680-D03-2017, Proceeding 22680 Application 22680-A002, June 8, 2017.

<sup>2</sup> EDTI in its capacity as the legal owner of an electric distribution system.

complete a noise impact assessment (NIA). The NIA indicated that noise levels for all surrounding residential receptors are projected to be below permissible sound levels and that Summerside 657S Substation would remain in compliance with Rule 012: *Noise Control*.

8. EDTI conducted a participant involvement program which notified stakeholders within the first row of development surrounding the project and consulted with stakeholders directly adjacent to the substation. EDTI stated that there are no outstanding objections or concerns from stakeholders or interested parties regarding the project.

### **3 Commission findings**

9. Due to the nature of the application, a notice of application was not issued, and a hearing was not required.

10. The Commission has reviewed the application and has determined that it meets the need approved by the AESO as well as the requirements of Rule 007: *Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations and Hydro Developments* and the requirements of Rule 012. In addition, EDTI's participant involvement program was conducted in accordance with Rule 007. The Commission accepts that there are no outstanding objections or concerns from stakeholders or interested parties. The Commission finds that environmental effects of the project will be minimal given its location within a previously developed area and EDTI's commitment to implement mitigation measures.

11. For the above reasons, the Commission finds that the proposed alteration to Summerside 657S Substation is in the public interest having regard to the social, economic, and other effects of the project, including its effect on the environment.

### **4 Decision**

12. Pursuant to sections 14, 15 and 19 of the *Hydro and Electric Energy Act*, the Commission approves Application 26320-A001. The facility in this application is located within the Edmonton transportation and utility corridor. Pursuant to the *Edmonton Restricted Development Area Regulations*, the Commission cannot issue a permit and licence for the construction and operation of facilities within the transportation and utility corridor without the written consent of the Minister of Infrastructure. The permit and licence for the project will therefore be issued once the written consent of the Minister of Infrastructure has been filed with the Commission.

Dated on April 1, 2021.

### **Alberta Utilities Commission**

*(original signed by)*

Vera Slawinski  
Commission Member