

Need for the Strathcona Substation Connection Enhancement in the South Edmonton area

EPCOR Distribution & Transmission Inc. (EPCOR) has applied to the Alberta Electric System Operator (AESO) for transmission system access to improve the reliability of the electricity services in the south Edmonton area. EPCOR's request can be met by the following solution:

➤ PROPOSED SOLUTION

- Add a 72 kilovolt (kV) transmission line to connect the existing Strathcona and Dome substations.
- Upgrade the Dome substation, including adding one 240/72 kV transformer, one 240 kV circuit breaker, and one 72 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.

➤ NEXT STEPS

- In late 2017 or early 2018, the AESO intends to submit a needs identification document (NID) to the Alberta Utilities Commission (AUC) for approval.
- Once submitted, the NID will be posted on the AESO's website at www.aeso.ca/grid/projects/

The following organizations have key roles and responsibilities in providing access to the transmission system:

➤ THE AESO:

- Must plan the transmission system and enable access to it for generators and other qualified customers.
- Is regulated by the AUC and must apply to the AUC for approval of its NID.

➤ EPCOR:

- Is the transmission facility owner in the City of Edmonton
- Is responsible for detailed siting and routing, constructing, operating and maintaining the associated transmission facilities
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications



FAST FACT

Alberta's electric transmission system comprises the towers, wires and related equipment that are a part of moving electricity from where it is generated to where it is used.

➤ CONTACT US

We appreciate your views, both on the need for transmission system development and proposed transmission plans. If you have any questions or comments, please contact us directly.

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➤ WHO IS THE AESO?

The Alberta Electric System Operator (AESO) plans and operates Alberta's electricity grid and wholesale electricity market safely, reliably and in the public interest of all Albertans. We are a not-for-profit organization with no financial interest or investment of any kind in the power industry.

The AESO is committed to protecting your privacy. Your feedback, comments and/or contact information collected by the AESO will be used to respond to your inquiries and/or to provide you with further information about the project. The AESO will not use your personal information for any other purpose and will not disclose your information without consent or a legal obligation. If you choose to communicate by email, please note, email is not a secure form of communication. Security of your communication while in transit cannot be guaranteed.