

Need for the Riverview Substation in the City of Edmonton



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.

EPCOR Distribution & Transmission Inc. (EPCOR) has applied to the Alberta Electric System Operator (AESO) for transmission system access to reliably serve new demand for electricity in the City of Edmonton. EPCOR's request can be met by the following solution:

> PROPOSED SOLUTION

- Add a new substation, to be called the Riverview substation, with two 240/25 kilovolt (kV) transformers, four 240 kV circuit breakers, and associated equipment.
- Add two 240 kV transmission lines to connect the proposed Riverview substation to the existing 240 kV transmission line 1043L.
- Add associated equipment as required to facilitate the proposed transmission development.

> NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in early 2017.
- The AESO's needs identification document (NID) application will be available on the AESO's website at <https://www.aeso.ca/grid/projects/> at the time of its application to the AUC.

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.

> ALTALINK MANAGEMENT LTD. (ALTALINK) & EPCOR:

- Are the transmission facility owners in the area of the proposed transmission development.
- Are responsible for detailed siting and routing, constructing, operating and maintaining the transmission facilities within their respective service areas.
- Will coordinate the proposed transmission development described above.
- Are regulated by the AUC and must apply to the AUC for approval of their transmission facilities applications.

> 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.