

Need for Transmission Developments in the Municipal Districts of Provost and Wainwright

FortisAlberta Inc. (FortisAlberta) has applied to the Alberta Electric System Operator (AESO) for transmission system access to improve the reliability of the electricity services in the Municipal Districts of Provost and Wainwright. FortisAlberta's request can be met by the following solution:

> PROPOSED SOLUTION

- Add a 138 kilovolt (kV) transmission line to connect the existing Hayter 277S substation and the existing Provost 545S substation.
- Modify the existing Provost 545S substation, including adding two 138 kV circuit breakers.
- Modify the existing Hayter 277SS substation, including adding two 138 kV circuit breakers.
- Modify the existing Killarney Lake 267S substation, including adding one 138 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.

> NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in mid-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.:

- Is the transmission facility owner in the Provost and Wainwright areas
- 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

> 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.



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.

Alberta Electric System Operator
Jennifer Vollmer

AESO Stakeholder Relations

stakeholder.relations@aeso.ca
1-888-866-2959

2500, 330-5th Avenue SW
 Calgary, AB T2P 0L4
 Phone: 403-539-2450
 Fax: 403-539-2949

www.aeso.ca | [@theaeso](https://twitter.com/theaeso)