

Need for the Muir 2018S Substation in the Town of Fox Creek Area

ATCO Electric Ltd. (ATCO) has applied to the Alberta Electric System Operator (AESO) for transmission system access to serve new demand for electricity in the Town of Fox Creek area. ATCO's request can be met by the following solution:

➤ PROPOSED SOLUTION

- Add a substation (Muir 2018S) with a 144/25 kilovolt (kV) transformer and a 144 kV circuit breaker.
- Add a 144 kV transmission line to connect the Muir 2018S substation to the existing 144 kV transmission line 7L90.
- Modify the existing Fox Creek 741S substation, including adding a 144 kV capacitor bank and a 144 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 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

➤ ATCO:

- Is the transmission facility owner in the Town of Fox Creek area
- 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.

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