

Need for the Horizon Mining 838S Substation Modification in the Fort MacKay Area

Canadian Natural Resources Limited (CNRL) has applied to the AESO for transmission system access to relocate an existing 240 kV transmission line in the Fort MacKay area. CNRL's request can be met by the following solution:

PROPOSED SOLUTION

- Modify the existing Horizon Mining 838S substation including adding six 240 kV circuit breakers.
- Add two segments of 240 kV transmission line (9L32 and 9L66) between the Horizon Mining 838S substation and the existing 240 kV transmission lines 9L32 and 9L66.
- Remove a segment of the existing 240 kV transmission lines 9L32 and 9L66 between the existing Joslyn 849S substation and the connection point with the new segments of 9L32 and 9L66.
- 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-2021.
- The AESO's needs identification document (NID) application will be available on the AESO's website at 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 Fort MacKay area.
- Is responsible for detailed siting and routing, constructing, operating and maintaining the 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.

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.

CONTACT US

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