

Need for the Suncor Base Plant Cogeneration Facility Connection in the Fort McMurray area

Suncor Energy Inc. (Suncor) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its approved Suncor Base Plant Cogeneration Facility (Facility) in the Fort McMurray area. Suncor's request can be met by the following solution:

PROPOSED SOLUTION

- Add two 240 kilovolt (kV) circuits to connect the existing Voyageur 29EDD-94 substation to the existing Thickwood Hills 951S substation.
- Add one 240 kV circuit to connect the existing Millennium 29EDD-1 substation and Ruth Lake 848S substation.
- Modify the existing Ruth Lake 848S substation, including adding one 240 kV circuit breaker.
- Modify the existing Thickwood Hills 951S substation, including adding three 240 kV circuit breakers.
- 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 late 2019.
- 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 McMurray 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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