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.
Distribution of the original AESO Need Overview began in August
2019. The AESO has since revised its proposed solution and schedule to
respond to Suncor’s request, as described below. Suncor’s request can be
met by the following solution:

REVISED PROPOSED SOLUTION

- Add two 240 kilovolt (kV) circuits to connect the existing Voyageur 29EDD-94
  substation to the existing Thickwood Hills 951S substation.
- Modify the Thickwood Hills 951S substation, including adding three 240 kV circuit
  breakers.
- Add or modify associated equipment as required for the above transmission
developments.

REVISED NEXT STEPS

- The AESO has revised its schedule. The AESO now intends to apply to the Alberta
  Utilities Commission (AUC) for approval of the need in early 2020.
- The AESO’s needs identification document (NID) application will be available on the
  AESO’s website at www.aeso.ca/stakeholder-engagement/transmission-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

Alberta Electric System Operator
AESO Stakeholder Relations
stakeholder.relations@aeso.ca
1-888-866-2959
2500, 330-5th Avenue SW
Calgary, AB T2P 0L4
Phone: 403-539-2450

www.aeso.ca | @theaeso

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