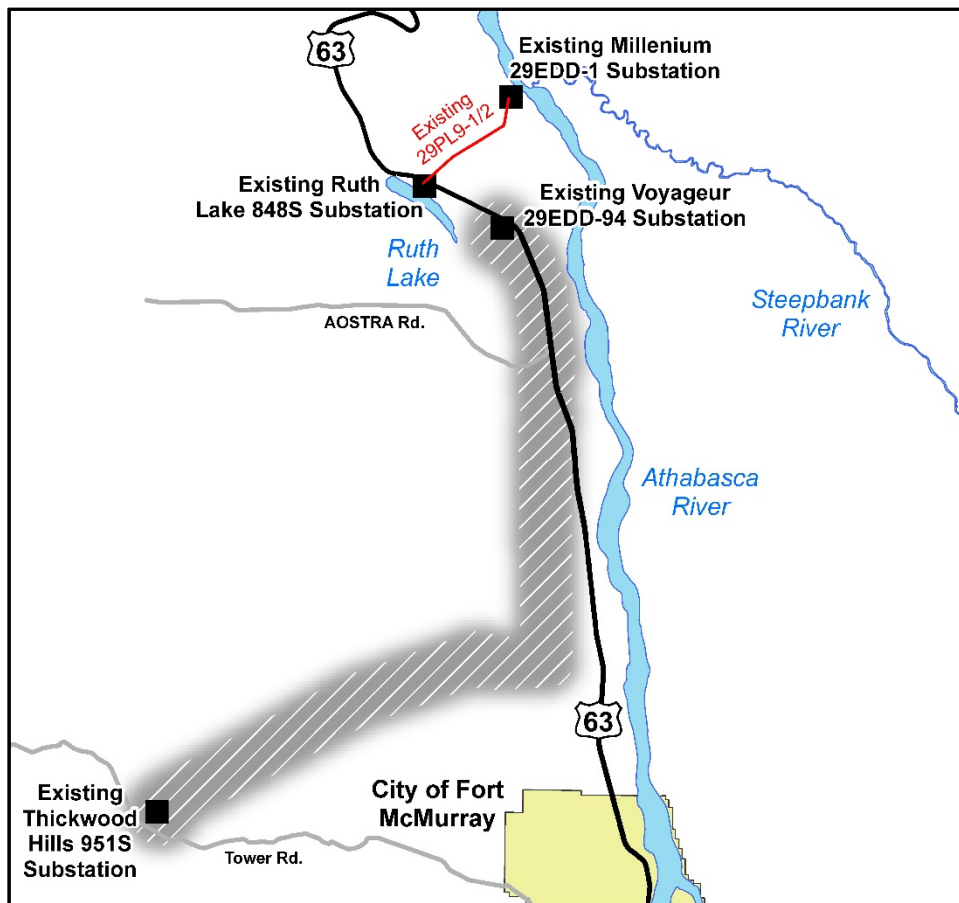


Notification of Needs Identification Document Filing Addressing the Need for the Suncor Base Plant Cogeneration Facility Connection in the Fort McMurray Area

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Suncor Base Plant Cogeneration Facility Connection with the Alberta Utilities Commission (AUC) on or after October 30, 2020.

Suncor Energy Inc. (Suncor) has applied to the 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:

- 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.
- Upgrade the existing 240 kV transmission lines 29PL9-1 and 29PL9-2, between the existing Ruth Lake 848S and Millennium 29EDD-1 substations, by replacing the existing 240 kV conductor with a 240 kV conductor of higher capacity; and
- Add or modify associated equipment as required for the above transmission developments.



The black squares on the map indicate the approximate location of the existing Voyageur 29EDD-94 substation, which is at NW-11-92-10W4, the existing Thickwood Hills 951S substation, which is at NE-32-89-11W4, the existing Ruth Lake 848S substation, which is at NE-16-92-10W4, and the existing Millennium 29EDD-1 substation, which is at NE-26-92-10W4. The grey shaded area on the map indicates the approximate location of the proposed transmission developments, including the 240 kV transmission lines. The specific transmission facilities may extend beyond the grey shaded area shown.

ATCO Electric Ltd. is the transmission facility owner (TFO) in the Fort McMurray area. In August 2019, the AESO and the TFO began presenting this need to stakeholders, including residents, occupants, landowners and First Nations. The AESO will apply to the AUC for approval of the need for this transmission development. Once filed with the AUC, the NID will be posted on the AESO website at <https://www.aeso.ca/grid/projects/suncor-base-plant-cogeneration-facility-connection/>

In a separate application, called a Facility Application, the TFO will provide more details about the specific facilities associated with the AESO's proposed transmission development, and will request AUC approval to construct and operate these facilities.

For more information, please visit our website, www.aeso.ca or contact us at 1-888-866-2959 or stakeholder.relations@aeso.ca.