

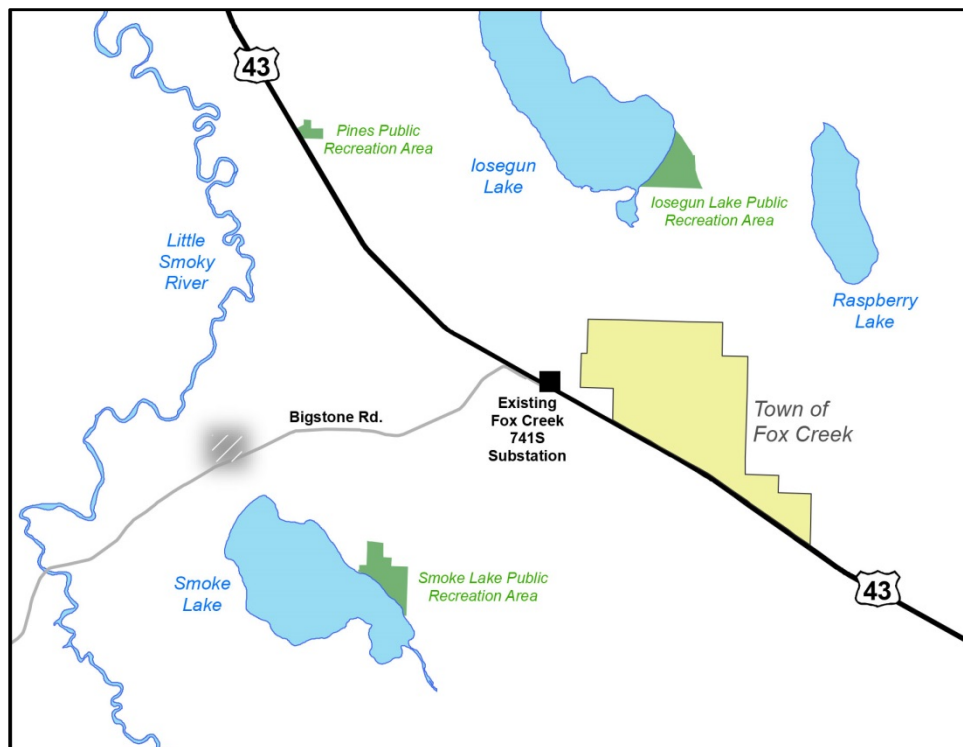
AESO Public Notification of NID Filing

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

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Muir 2018S substation with the Alberta Utilities Commission (AUC) on or after March 31, 2017.

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:

- 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.



The black square indicates the approximate location of the existing Fox Creek 741S substation, which is at NW-31-62-19-W5. The shaded area on the map indicates the approximate location of the proposed Muir 2018S Substation and 144 kV transmission line, which is at SW-29-62-20-W5. In a separate application, called a Facility Application, ATCO, the transmission facility owner (TFO) in the Fox Creek area, will describe the proposed developments and locations and request AUC approval to construct and operate the specific transmission facilities.

The AESO and ATCO presented this need to stakeholders, including residents, occupants and landowners, from December 2016 to March 2017. The AESO has considered feedback gathered from stakeholders, and technical and cost considerations, and will apply to the AUC for approval of the need for this transmission development. Once it is filed, the NID will be posted on the AESO website at <https://www.aeso.ca/grid/projects/muir-2018s-substation/>

Please visit our website, www.aeso.ca for more information, or contact the AESO at 1-888-866-2959 or stakeholder.relations@aeso.ca