

Notification of AESO Needs Identification Document (NID) Filing for the City of Edmonton Transmission Reinforcement (P7078)

The Alberta Electric System Operator (AESO) advises you that it intends to file a NID for the approval of transmission reinforcement in the City of Edmonton area with the Alberta Utilities Commission (AUC) on or after December 7, 2023.

Recent studies have shown the existing 72 kilovolt (kV) transmission system serving the northeastern part of the city is reaching capacity. Soon the system will be unable to reliably serve the growing demand for electricity in the area. In addition, EPCOR, the transmission facility owner in the City of Edmonton, has identified a need to replace aging oil-filled cables connected to the Kennedale and Namao substations.

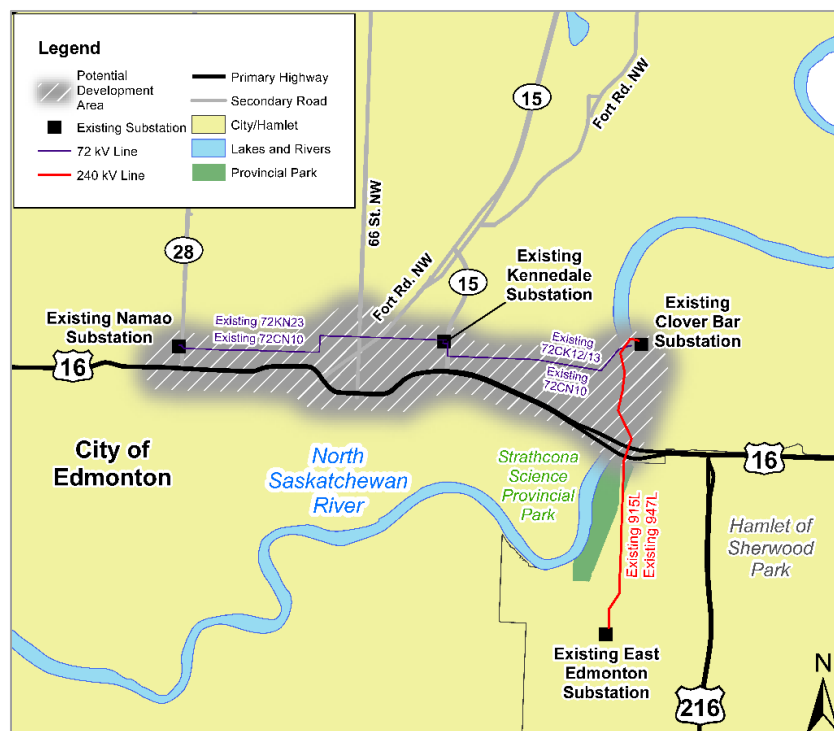
The AESO is proposing to meet the transmission reinforcement need by:

- Adding a substation that will be connected to the existing 240 kV transmission line near the existing Clover Bar substation
- Adding two 72 kV transmission lines—approximately 6 km in length—to connect the proposed substation to the existing Namao substation
- Modifying the Namao substation to accommodate the proposed 72 kV transmission lines
- Decommissioning the existing Kennedale substation and four existing 72 kV transmission lines connecting the Clover Bar, Kennedale, and Namao substations

In January 2023 the AESO, in conjunction with EPCOR, began notifying stakeholders, including residents, occupants, Indigenous groups and landowners, of the need for this project.

The AESO intends to file the City of Edmonton Transmission Reinforcement NID Application with the AUC on or after December 7, 2023. The AESO and EPCOR had planned to file their respective NID and Facility Applications concurrently; however, EPCOR has determined it needs more time to assess and reflect on public input before identifying refined route options. Pending additional public engagements on refined route options, EPCOR anticipates submitting its Facility Application to the AUC in mid-to-late 2024.

Once filed, the NID will be posted on the AESO website at <https://www.aeso.ca/grid/transmission-projects/city-of-edmonton-transmission-reinforcement-7078/>



The shaded area in the map indicates the approximate area of the proposed transmission reinforcement and identifies the existing substations.

In a separate Facility Application, EPCOR will describe the specific site for the proposed substation, as well as the proposed routes to implement the transmission reinforcement. EPCOR will request AUC approval to modify, construct and operate the transmission facilities required to meet the need for reinforcement. Specific transmission facilities may extend beyond the shaded area.

Your feedback, comments and/or contact information collected by the AESO will be used to respond to your inquiries and/or to provide you with further information about the project. This information is collected in accordance with Section 33(c) of the Freedom of Information and Protection of Privacy Act. If you have any questions about the collection or use of this information, please contact the Manager, FOIP and Records Management, 2500, 330 – 5th Ave SW, Calgary, Alberta, T2P 0L4 or by telephone at 403-539-2890. If you choose to communicate by email, please note that email is not a secure form of communication. Security of your communication while in transit cannot be guaranteed.

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

