

South and West of Edmonton Transmission System Development

Project Update

The Alberta Electric System Operator (AESO) has updated information on the South and West Edmonton project.

The AESO has identified the need to reinforce the transmission system south and west of Edmonton to meet the growing demand for electricity from residential, commercial and industrial growth in the area.

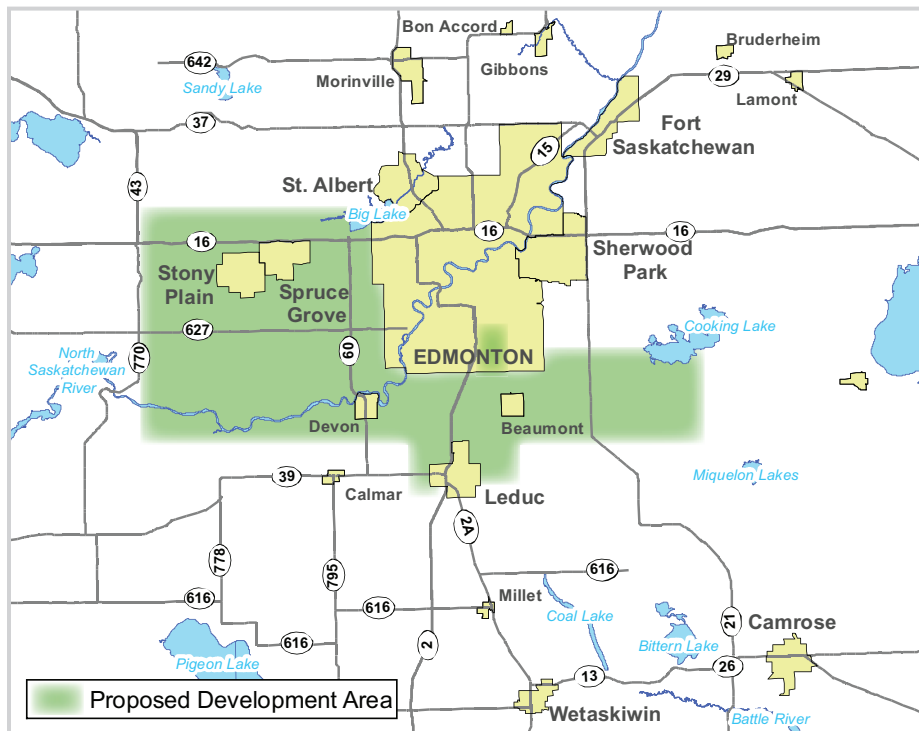
In Fall 2011, the AESO held a series of public open houses to discuss the need for the project with stakeholders.

Since that time, we have completed further analysis that refined the potential transmission system developments required.

The potential transmission system developments now include:

- a new 240/138 kV substation just north of Leduc
- a new 240/138 kV substation either north or south of Stony Plain
- new 138 kV and 240 kV transmission lines around Stony Plain and Spruce Grove, and south and east of Edmonton
- potential modifications to the Acheson 305S, Cooking Lake 522S, Stony Plain 434S, Spruce Grove 595S, Blackmud 155S, Ellerslie 89S, Leduc 325S and Nisku 149S substations.

Approximate areas where potential transmission system developments may occur.



The map indicates the approximate area where the need for transmission development has been identified. The Transmission Facility Owner will propose specific substation sites and transmission line routes that may be located inside or outside the area shown.

Open Houses

You're invited...we're listening

The AESO invites you to join us in an upcoming Open House to discuss the need for transmission development in the area south and west of Edmonton and to discuss refinements to these potential developments.

- **Stony Plain**
Monday, September 24
4 to 8 p.m.
Stony Plain Community Centre
- **Spruce Grove**
Tuesday, September 25
4 to 8 p.m.
Melcor Hall, Pioneer Centre
- **Devon**
Wednesday, September 26
4 to 8 p.m.
Braun Hall, Community Centre
- **Edmonton**
Monday, October 1
4 to 8 p.m.
South Hampton Inn
- **Leduc**
Tuesday, October 2
4 to 8 p.m.
Royal Canadian Legion
(Branch #108)

Please join us at any of these events. AESO staff will be on hand to discuss the need for this project and address any questions or concerns.

After receiving stakeholder input, the AESO will prepare and file a Needs Identification Document (NID) with the Alberta Utilities Commission (AUC) for approval.

Other Projects in the Area

The following is a list of other projects in your area.

Lake Wabamun and Edmonton Region 240 kV Reinforcement

The AESO has identified the need for system reinforcement to the 240 kV system in the Edmonton area to relieve constraints on the existing transmission system and

to serve increasing electrical demand in Edmonton and the northeast region. These developments include rebuilding existing 240 kV transmission lines, building a new 240 kV transmission line, and modifying existing substations.

To Learn More About the Regulatory Process:

Please contact the Alberta Utilities Commission (AUC):

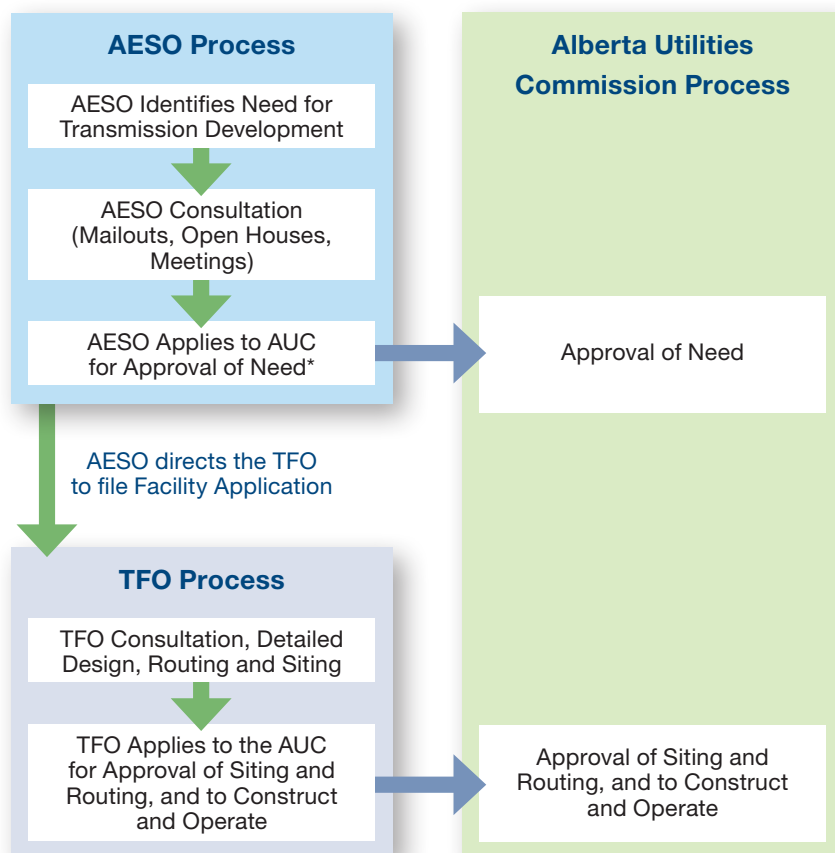
WEB: www.auc.ab.ca

EMAIL: utilitiesconcerns@auc.ab.ca

PHONE: 780-427-4903 (dial 310-0000 before the 10-digit number to be connected toll-free from anywhere in Alberta)

Transmission projects follow the Regulatory Process illustrated below.

The Regulatory Process



* Need for specified Critical Transmission Infrastructure projects are approved by the Lieutenant Governor In Council (LGIC)

Leduc 325S Substation and Transmission Line Development

Commercial, residential and industrial development in and around the City of Leduc is increasing demand for electricity. Therefore, a new transmission line and substation are required.

EPCOR Poundmaker 240/25 kV Substation

Electricity demand growth in northwest Edmonton has determined the need for a new substation connecting into existing transmission and distribution lines in the area.

Spruce Grove Substation

Electricity demand growth in the Spruce Grove area has determined the need for a new substation connecting into existing transmission and distribution lines in the area.

For More Information

The AESO appreciates your views on the need for transmission system development and your comments are encouraged. If you have any questions or suggestions regarding the need for the proposed transmission system development in the area south and west of Edmonton or the AESO's application regarding this need, please attend one of the upcoming open houses or contact:

Marina Lakhani

AESO Stakeholder Relations

EMAIL: stakeholder.relations@aeso.ca

PHONE: 1-888-866-2959

ADDRESS: 2500, 330 – 5th Avenue SW
Calgary, Alberta T2P 0L4

To learn more about the complex electricity industry and its importance to our quality of life and the province's economic well-being, please visit

www.poweringalberta.com

