

Electric system improvements near you

ATCO Power Heartland Generating Station
Interconnection

AltaLink's transmission system efficiently delivers electricity to 85 per cent of Albertans. Dedicated to meeting the growing need for electricity, AltaLink connects Albertans to reliable power. With a commitment to community and environment, AltaLink is ensuring the transmission system will support Albertans' quality of life for years to come. Learn more at www.altalink.ca.

We are providing you with an update regarding the ATCO Power Heartland Generating Station Interconnection.

Project update

In AltaLink's November 2015 project newsletter, we stated that AltaLink would be building two **transmission** lines to connect Phase 1 and Phase 2 of ATCO Power's Heartland Generating Station to the electric system. At this time, ATCO Power has chosen not to move forward with Phase 2 of its proposed Heartland Generating Station. As a result, AltaLink is proposing to build one transmission line to connect Phase 1 of ATCO Power's Heartland Generating Station to the electric system.

Using stakeholder input gathered during three rounds of consultation and due to changes in scope of the project, we have refined our route for the proposed transmission line. We are providing you with:

- project details regarding the preferred route and preferred route variant
- maps of the proposed project sites
- information about how you can provide your input
- the project schedule

DEFINITION:

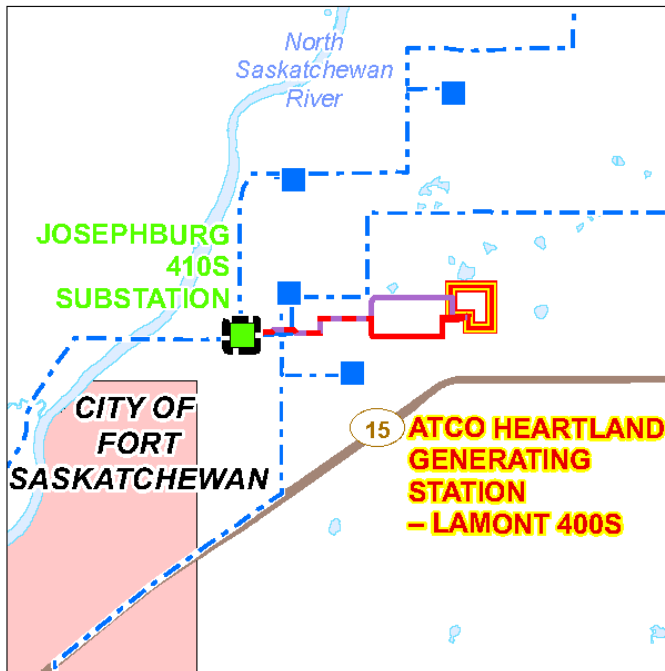
Transmission

Transmission lines make up Alberta's electric highway, linking the places where power is generated to your community where power is used. Transmission lines transport large amounts of power over long distances from power plants across the province. The transmission system connects diverse sources of power generation including wind, high-efficiency coal, natural gas and more.












CONTACT US

1-877-267-1453

stakeholderrelations@altalink.ca
www.altalink.ca/regionalprojects



LEGEND

	Proposed Upgrade of Existing Substation		Existing Transmission Line
	Existing Substation		Customer Generation and Substation Target Area
	Proposed Transmission Line		Road
	Preferred 1181L Route		Urban Area
	Variant 1181L Route		Water Body
	Preferred/Variant Route Overlap		



The structures on the proposed 1181L line will look mostly similar to the above, but the insulators may be configured differently.

Project details

The ATCO Power Heartland Generating Station Interconnection project is located approximately two kilometres northeast of the City of Fort Saskatchewan in Strathcona County. With the removal of Phase 2 scope, the project will include:

- constructing one single-circuit 240 kV (kilovolt) transmission line (to be named 1181L) to connect a planned substation at the ATCO Power Heartland Generating Station (to be named Lamont 400S) to the existing Josephburg Substation
- adding one new 240 kV circuit breaker and associated equipment to the Josephburg Substation
- installation of an overhead fibre optic cable on the transmission structures
- modifying existing transmission lines in the project area to accommodate crossings and connections to the substation
- salvaging structures to accommodate the relocation of transmission lines at the Josephburg Substation

Removed scope and new structure type

The AESO has directed us to build only one transmission line, designated as 1181L. Additionally, there will be no site expansion and no interconnection of the 942L line at the existing Josephburg Substation as previously required. Only one new circuit breaker will be added to the Josephburg Substation, instead of the previously proposed five.

AltaLink will be using a new structure type for the proposed 1181L transmission line. These structures will be compact H-frames and exist within the previously proposed 24 metre right-of-way. Please refer to the included *Typical structure information* sheet for details.

Route revisions

The right-of-way from point A26 to point A37 (as referenced on the included maps) has been moved to accommodate a more direct alignment along the south edge of NE/NW-28-55-21-W4M. Additional line modifications near the Josephburg Substation have also been made to accommodate the reduction in scope resulting from the removal of the second transmission line. Please refer to the maps included in this package for more detailed information.

Electric and Magnetic Fields (EMF)

AltaLink recognizes that people have concerns about exposure to Electric and Magnetic Fields (EMF) and we take those concerns seriously. Everyone in our society is exposed to EMF from many sources, including:

- power lines and other electrical facilities
- electrical appliances in your home
- building wiring

National and international organizations such as Health Canada and the World Health Organization have been conducting and reviewing research about EMF for more than 40 years. Based on this research, these organizations have not recommended the general public take steps to limit their everyday exposure to EMF from high voltage transmission lines. If you have any questions about EMF please contact us.

Website: www.altalink.ca/emf

Email: emfdialogue@altalink.ca

Toll-free phone number: 1 -866-451-7817

Providing your input

The Alberta Electric System Operator (AESO) has determined this transmission system development is needed and will file a Needs Application with the AUC. After our consultation process is complete we will file a Facilities Application with the AUC. The AUC will review both the Needs Application and the Facilities Application at the same time through a process in which stakeholders can participate.

To learn more about the AUC process and how you can become involved, please refer to the brochure included in this package titled *Public Involvement in a Proposed Utility Development*.

Anticipated project schedule

Notify and consult with stakeholders	October – November 2016
File application with Alberta Utilities Commission (AUC)	Late 2016/Early 2017
Start construction if project is approved	Spring 2019
Construction completed	Winter 2019

Although we attempt to follow the anticipated project schedule it is subject to change. We will continue to provide you with updated schedule information if required as the project progresses.

Contact us

To learn more about the proposed project please contact:

ALTALINK

1-877-267-1453 (toll free)

E-mail: stakeholderrelations@altalink.ca

Website: www.altalink.ca/regionalprojects

To learn more about the ATCO Power's Heartland Generating Station, please contact:

ATCO POWER

403-209-6951

Email: heartland@atcopower.com

Website: <http://www.atcopower.com/Projects/Heartland/>

To learn more about Alberta's electric system and the need for the project, please contact:

ALBERTA ELECTRIC SYSTEM OPERATOR (AESO)

1-888-866-2959

E-mail: stakeholder.relations@aeso.ca

To learn more about the application and review process, please contact:

ALBERTA UTILITIES COMMISSION (AUC)

780-427-4903 (toll-free by dialing 310-0000 before the number.)

E-mail: consumer-relations@auc.ab.ca

Other projects in your area

The 807L Transmission Line Rebuild is located eight kilometres north of the City of Fort Saskatchewan. AltaLink is proposing to upgrade the wires on two portions of the existing 807L line to help meet the growing industrial demand for power in the Fort Saskatchewan area. Consultation is currently underway.

PRIVACY COMMITMENT

AltaLink is committed to protecting your privacy. Collected personal information will be protected under AltaLink's Privacy Policy and the Personal Information Protection Act. As part of the regulatory process for new transmission projects, AltaLink may provide your personal information to Alberta Utilities Commission (AUC). For more information about how AltaLink protects your personal information, visit our website at www.altalink.ca/privacy or contact us directly via e-mail privacy@altalink.ca or phone at 1-877-267-6760.

INCLUDED IN THIS INFORMATION PACKAGE:

- Project maps
- AUC brochure: *Public involvement in a proposed utility development*
- *Typical structure information sheet*
- AESO Need Overview Document

DEFINITION:

AESO

The Alberta Electric System Operator (AESO) is an independent, not-for-profit organization responsible for the safe, reliable and economic planning and operation of the provincial transmission grid. For more information about why this project is needed, please refer to the AESO's Need Overview included with this package, or visit www.aeso.ca. If you have any questions or concerns about the need for this project you may contact the AESO directly. You can also make your questions or concerns known to an AltaLink representative who will collect your personal information for the purpose of addressing your questions and/or concerns to the AESO. This process may include disclosure of your personal information to the AESO.

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