

DECEMBER 2024



Edmonton Carbon Capture Utilization and Storage (CCUS) Gas Connection

You are receiving this newsletter because you are near the proposed Edmonton CCUS Gas Connection, and we want your input.

To connect Heidelberg Materials Canada Ltd’s (Heidelberg’s) Edmonton CCUS project to the grid, AltaLink is proposing changes to its transmission system within the City of Edmonton.

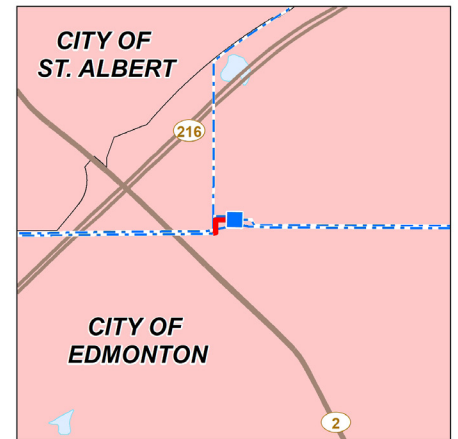
Although AltaLink’s project is required to connect Heidelberg’s project, it is a separate project. Heidelberg will consult separately on their proposed project. For more information about Heidelberg’s project, see their contact information included in this newsletter.

Project details

To connect Heidelberg’s proposed project to the grid, AltaLink is proposing to:

- modify its 747L transmission line by disconnecting it from EPCOR’s 711L transmission line and building approximately 250 metres of new transmission line to connect it to the 375 North Calder Substation
- modify the existing 375 North Calder Substation by adding one new 138 kilovolt (kV) circuit breaker

Please refer to the map included in this package for an overview of the proposed project area.



ANTICIPATED PROJECT SCHEDULE

<p>DECEMBER 2024 - FEBRUARY 2025</p> <p>Notify and consult with stakeholders</p>	<p>MAY 2025</p> <p>File application with Alberta Utilities Commission (AUC)</p>	<p>MARCH 2026</p> <p>Start construction if project is approved</p>	<p>JULY 2026</p> <p>Construction completed</p>
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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.

Transmission line structures

The structures on the new connection will be a combination of monopole, two-pole, and three-pole structures. They will be approximately 12 to 30 metres tall and be either wood or steel. Additional **right-of-way** will not be required for the new structures as the new connection is within AltaLink-owned property.



The monopole structures will look similar to the above.



The two-pole and three-pole structures will look similar to the above.

Temporary workspace

Most of the work at the 375 North Calder Substation will be completed within the existing substation fenceline. No expansion will be required.

AltaLink may require temporary workspace on private land and public road allowance outside of the substation. We will contact landowners to discuss temporary workspace that may be required.



The North Calder Substation.



The new circuit breaker will look similar to the above.

DEFINITIONS:

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

Substation | Substations are the connection points between power lines of varying voltages and contain equipment that controls and protects the flow of power. Substations include transformers that step down and step up the voltage so power can be transmitted through transmission lines or distributed to your community through distribution lines.

Kilovolt | A kilovolt is equal to one thousand volts and is commonly used when describing transmission and distribution lines. AltaLink's transmission lines range from 69 kV (69,000 volts) to 500 kV (500,000 volts). Light bulbs typically range from 120 to 300 volts.

Circuit breaker | Circuit breakers are electrical switches inside a substation that protect substation equipment. Circuit breakers help ensure the safety and reliability of the electric system.

Right-of-way | The right-of-way is a strip of land required for the construction and safe operation of a transmission line. A right-of-way refers to the physical space a transmission line encompasses including areas on either side of the line. The majority of the right-of-way can still be used by the landowner. Buildings cannot be placed on the right-of-way, but can be built up to the edge of the right-of-way.

**INCLUDED
IN THIS
INFORMATION
PACKAGE:**

- Project map
- AUC brochure: *Participating in the AUC's independent review process to consider facility applications*
- AESO need overview

Providing your input

We will contact landowners, residents, and occupants near the proposed project to gather input and address questions or concerns.

After our consultation and notification process is complete, we will file an application with the Alberta Utilities Commission (AUC).

We will notify stakeholders when we file the application and again once the AUC has reached a decision about the project. To learn more about the AUC process and how you can become involved, please refer to the brochure included in this package titled *Participating in the AUC's independent review process to consider facility applications*.

Electric and magnetic fields (EMF)

We understand that you may have concerns about exposure to EMF and we take those concerns seriously. Everyone is exposed to power frequency EMF from many sources, including power lines, building wiring, or appliances in your home.

Health Canada, the World Health Organization, and other agencies have not recommended that the public needs to take steps to limit their everyday exposure to EMF from high voltage transmission lines. This includes people that live near the edge of a transmission line right-of-way.

If you have any questions about EMF, please contact us:

Website: www.altalink.ca/emf

Email: emfdialogue@altalink.ca

Phone: 1-866-451-7817 (toll-free)

Contact us

To learn more about the proposed project please contact:

ALTALINK

1-877-267-1453 (toll free)

E-mail: stakeholderrelations@altalink.ca

To subscribe to this project:

visit www.altalink.ca/projects, search for the project title, and click 'subscribe to updates'

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.

To learn more about the Heidelberg project, please contact:

Heidelberg Materials Canada Ltd.

Brent Korobanik

Phone: 780-420-2500

Email: [EdmontonCCUSinfo@](mailto:EdmontonCCUSinfo@heidelbergmaterials.com)

heidelbergmaterials.com

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

Alberta Electric System Operator

1-888-866-2959 (toll-free)

Email: stakeholder.relations@aeso.ca

Website: www.aeso.ca/grid/projects

The 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 or the proposed transmission development to meet the need you may contact the AESO directly. You can make your questions or concerns known to a transmission facility owner 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.

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)

Email: consumer-relations@auc.ab.ca

Let's talk transmission



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