

JANUARY 2025

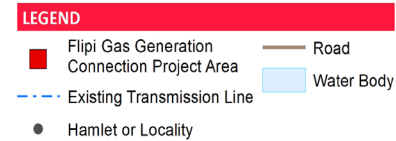
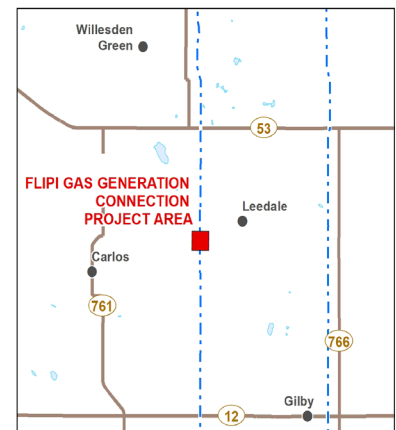
Flipi Gas Generation Connection

You are receiving this newsletter because you are near Kiwetinohk Energy Corp.'s (Kiwetinohk) Flipi Gas Generation Connection project, and we want your input.

To connect Kiwetinohk's Flipi Gas Generation Project to the grid, AltaLink is proposing changes to its **transmission** system. The project is located within Clearwater County, approximately three kilometres southwest of the Hamlet of Leedale.

AltaLink is proposing modifications to an existing transmission line, constructing a new **switching station** and installing underground **fibre optic cable** to connect Kiwetinohk's generation facility and **substation** to the grid.

Kiwetinohk is consulting with landowners on its project separately. For more information about Kiwetinohk's project, please see their contact information included in this newsletter.

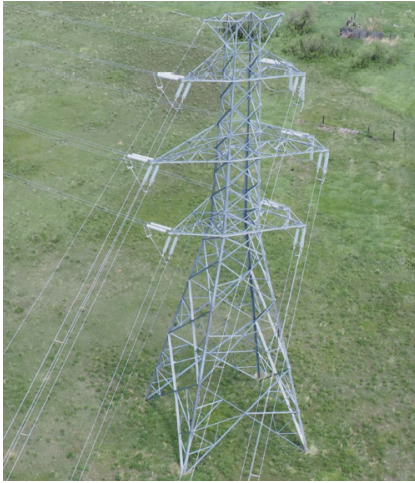


DID YOU KNOW? According to the Alberta Electric System Operator, installed generation capacity in Alberta at the end of 2023 was 20,777 MW, up 13.3% from 2022. Renewables capacity increased by 1,375 MW and natural gas capacity increased by 938 MW.

ANTICIPATED PROJECT SCHEDULE

<p>JANUARY - JULY 2025 Notify and consult with stakeholders</p>	➔	<p>AUGUST 2025 File application with Alberta Utilities Commission (AUC)</p>	➔
		<p>OCTOBER 2027 Start construction if project is approved</p>	➔
			<p>MAY 2028 Construction completed</p>

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.



Above: Sample lattice structure



Above: Sample three pole dead-end structure



Above: Sample H-frame structure



Above: Sample monopole dead-end structure

Project details

AltaLink's proposed project includes:

- constructing a new switching station, called Leedale 1076S
- connecting the switching station to an existing transmission line in the area, called 922L/926L, by modifying the line at the entrance of the switching station, constructing five new transmission structures and removing one structure
- installing underground fibre optic cable to connect the Leedale switching station to another existing transmission line called 1325L; the fibre optic cable will require a new **right-of-way**
- building two temporary transmission lines, called temporary bypass lines, to ensure a reliable supply of power during construction

Please see the map included in this package for a visual of the work described above.

New switching station

The new Leedale switching station will be located in SW 33-41-4 W5 within a fenced area approximately 80 by 76 metres. The property boundary will be 120 by 140 metres. The switching station will include three 240 kV **circuit breakers**, a **control building** and associated equipment. The switching station will require a new seven-metre-wide access road.



Left photo:
The new Leedale switching station will look similar to the picture to the left.

Transmission line modifications

AltaLink is proposing to modify an existing transmission line to connect the new Leedale switching station to the grid. This includes building two new transmission line connections to the switching station, one from the north and one from the south. The new transmission lines will be approximately 500 metres combined.

To connect the switching station from the north, AltaLink is proposing to build three new transmission structures, including one lattice, one three pole dead-end and one H-frame, all pictured to the left. This new section of line will be called 926L and will require a new 25 metre right-of-way.

To connect the switching station from the south, AltaLink is proposing to build two new transmission structures, including one lattice and one monopole dead-end, also pictured to the left. This new section of line will be called 980L and will require a new 20 metre right-of-way. The details of the structures are as follows:

- **Lattice:** 37-45 metres tall, made of steel
- **Three pole dead-end:** 25-35 metres tall, made of steel
- **H-frame:** 25-35 metres tall, made of wood or steel
- **Monopole dead-end:** 32-42 metres tall, made of steel

AltaLink proposes to remove one existing structure from the existing 922L/926L to accommodate the new configuration.

Underground fibre optic cable

To support AltaLink's telecommunications system and the reliability of the grid, AltaLink is proposing to construct approximately 305 metres of underground fibre optic cable from the existing 1325L transmission line to the Leedale switching station. In certain locations along the proposed route, a small underground conduit box may be required to allow access to the cable during construction and maintenance. Where the underground fibre optic cable is located on private property, AltaLink will require a new five metre right-of-way.

Right photo:
The underground conduit box will look similar to the picture to the right.



Temporary transmission lines

If this project is approved, AltaLink will build two temporary transmission lines to ensure a reliable supply of power during construction. The temporary line that begins to the north of the switching station will be 530 metres long and will straddle the existing line. The temporary line that begins to the south of the switching station will be 360 metres long and will also straddle the existing line.

Both lines will be built within an existing right-of-way and will be removed once construction is complete.

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). The AUC ensures the fair and responsible delivery of Alberta's utility services and will review the application through a process in which stakeholders can participate.

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.



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.

Switching station | Switching stations connect two or more transmission lines so power can be re-routed and transported across the province to where it's needed.

Fibre optic cable | Fibre optic cable allows us to communicate effectively between a customer connection point or substation and our control centre and provides valuable data that will be used to maintain the reliability of Alberta's electric system.

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.

Right-of-way | The right-of-way is a strip of land required for the construction and safe operation of transmission assets. A right-of-way refers to the physical space a transmission line encompasses including areas on either side of the asset.

Circuit breaker | Circuit breakers are electrical switches inside a substation that protect substation equipment.

Control building | Control buildings house electrical equipment such as controls, batteries and meters and ensure electrical equipment is protected.

**INCLUDED
IN THIS
INFORMATION
PACKAGE:**

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

Electric and Magnetic Fields (EMF)

AltaLink recognizes that people may have concerns about exposure to EMF and we take those concerns seriously.

Everyone in our society is exposed to power frequency 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 (WHO) have been conducting and reviewing research on exposure to EMF for more than 40 years. Based on this research, these agencies have not recommended that the general public needs to take steps to limit their everyday exposure to EMF from high voltage transmission lines, including individuals that are located on the edge of a power line right-of-way.

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



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 Kiwetinohk's project, please contact:

Kiwetinohk Energy Corp.

Samantha Brown

SABR Energy Consulting Inc., on behalf of Kiwetinohk Energy Corp.

E: sbrown@sabreenergyconsulting.com

P: 1-587-434-7547

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

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.

Let's talk transmission



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Sustainable
Electricity
Leader



Chef de file en
matière d'électricité
durable

