



March 2023

# Electric system improvements near you

## Homestead Solar Project Connection

You are receiving this newsletter because you are near the Homestead Solar Project Connection, and we want your input.

To connect Kiwetinohk Energy Corp's (Kiwetinohk) Homestead Solar Project to the grid, AltaLink is proposing modifications to its **transmission** system in the area.

Although AltaLink's project is required to connect the Homestead Solar Project, it is a separate project. Kiwetinohk will consult separately on their proposed project. For more information about Kiwetinohk, see their contact information on the back of this newsletter.

We are providing you with:

- project details
- maps of the proposed project
- information about how you can provide your input
- the project schedule

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 renewable, reliable, and low-cost 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](http://www.altalink.ca).

### 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.

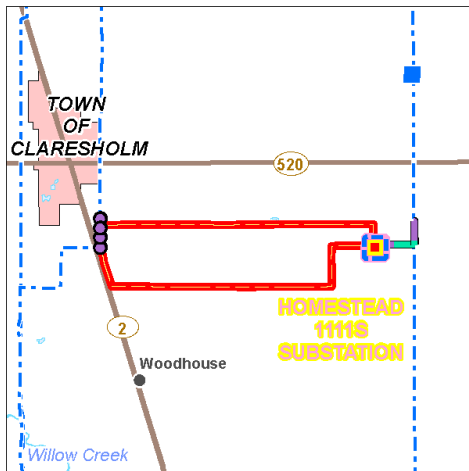
### CONTACT US











1-877-267-1453

[stakeholderrelations@altalink.ca](mailto:stakeholderrelations@altalink.ca)

[www.altalink.ca/projects](http://www.altalink.ca/projects)





LEGEND	
	Proposed Modification of Existing Structure
	Approved Homestead Substation
	Existing Substation
	Proposed Underground Fibre Optic Cable
	Proposed Homestead Transmission Line
	Existing Transmission Line
	Hamlet or Locality
	Road
	Urban Area
	Water Body

## Project details

Kiwetinothk's proposed Homestead Solar Project is located in the Municipal District of Willow Creek, southeast of the Town of Claresholm.

Kiwetinothk is proposing a new transmission line that will connect its Homestead Substation to AltaLink's existing transmission line (called 1037L). This is identified as the Proposed Customer Transmission Line on the maps in this package.

Kiwetinothk is considering two different connection points for this new line. One of the potential connection points is in SW-13-12-27-W4 and the other is in NW-12-12-27-W4. If approved, only one of these connection points will be used. To accommodate this connection, AltaLink is proposing to:

- Modify one structure along the existing 1037L transmission line, at the connection point that is selected by Kiwetinothk
- Install approximately 400 metres of above ground **optical ground wire (OPGW)** between two existing structures along the 1037L
  - New equipment will be installed on each structure to accommodate the OPGW connection
- Install approximately 2.5 kilometres of underground **fibre optic cable** between Kiwetinothk's Homestead Substation and AltaLink's existing 138 kV transmission line (called 180L)
  - This will be starting in NE-18-12-25-W4, primarily within road allowance and partially on private property
  - Where located on private property, a six metre **right-of-way** will be required

Please see the detailed photo map(s) included in this package for more details.



*The image on the left is an example of one of the existing structure types that will be used to connect Kiwetinothk's proposed transmission line.*



*The image on the left is what the proposed modifications to the existing structures on the 1037L transmission line will look like.*

*The image on the right is what the new equipment to accommodate the OPGW will look like.*



### DEFINITION:

#### **Optical ground wire**

This equipment provides lightning protection and is part of a telecommunication network that allows AltaLink to monitor, control, protect, and restore the electric system.

#### **Fibre optic cable**

AltaLink's fibre optic cables transmit data signals between substations and are part of a larger telecommunications system in Alberta. This telecommunications system allows AltaLink control centres to actively monitor the electric system, ensuring it runs safely and reliably.

#### **Right-of-way**

The right-of-way is a strip of land required for the construction, maintenance, and safe operation of a transmission line. A ROW refers to the physical space in which a transmission line is located and includes areas on either side of the transmission line structures and the conductors, which are the wires that carry the electricity.

## 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](http://www.altalink.ca/emf)

Email: [emfdialogue@altalink.ca](mailto:emfdialogue@altalink.ca)

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

## Providing your input

We will contact landowners, residents and occupants near the proposed project to gather input and address questions or concerns. Our priority is maintaining the health and safety of our employees, contractors, and the general public, while ensuring that we are able to continue to operate our system and keep the lights on for Albertans. We will follow any requested COVID-19 safety protocols for in-person meetings and accommodate your preferred meeting options, including over the phone, virtual or in-person. You can also provide input through our online feedback portal, found here: [www.altalink.ca/projectfeedback](http://www.altalink.ca/projectfeedback).

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*.

## Anticipated project schedule

Notify and consult with stakeholders	March - April 2023
File application with Alberta Utilities Commission (AUC)	May 2023
Start construction if project is approved	September 2024
Construction completed	November 2024

*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](mailto:stakeholderrelations@altalink.ca)

Website: [www.altalink.ca/projects](http://www.altalink.ca/projects)

*To learn more about the Homestead Solar project, please contact:*

### **KIWETINOHK ENERGY CORP.**

Samantha Brown

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

Phone: 587-434-7547

Email: [sbrown@sabreenergyconsulting.com](mailto:sbrown@sabreenergyconsulting.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](mailto:stakeholder.relations@aeso.ca)

Website: [www.altalink.ca/projects](http://www.altalink.ca/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](http://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](mailto:consumer-relations@auc.ab.ca)

### **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](http://www.altalink.ca/privacy) or contact us directly via e-mail [privacy@altalink.ca](mailto:privacy@altalink.ca) or phone at 1-877-267-6760.

## INCLUDED IN THIS INFORMATION PACKAGE:

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

## SUBSCRIBE TO THIS PROJECT

- 1) Visit: [altalink.ca/projects](http://altalink.ca/projects)
- 2) Search for the project title
- 3) Click **Subscribe to Updates**

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