



April 2023

Electric system improvements near you

Aira Solar Project Connection

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.

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

To connect Aira Wind Power Inc's (Aira) Aira Solar Project to the grid, AltaLink is proposing changes to its **transmission** system in the area.

Although AltaLink's project is required to facilitate the connection of Aira's project, it is a separate project. Aira will consult separately on their proposed project. For more information about Aira, see their contact information on the back of this newsletter.

We are providing you with:

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

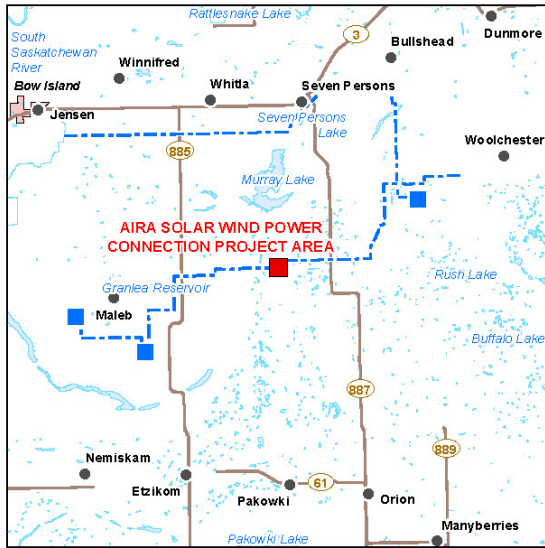
DEFINITIONS:

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
www.altalink.ca/projects



LEGEND

	Aira Solar Wind Power Connection Project Area		Road
	Existing Substation		Urban Area
	Existing Transmission Line		Waterbody
	Hamlet or Locality		

Project details

The proposed project is located in Cypress County in NW-31-8-7-W4, approximately 35 kilometres southeast of the Town of Bow Island. It includes modifying an existing transmission line, constructing a new transmission line, and installing underground **fibre optic cable**.

Transmission line modifications

Aira's proposed project involves building a new transmission line that will connect to AltaLink's existing 240 **kilovolt (kV)** transmission line (called 983L). To accommodate this connection, AltaLink is proposing the following modifications to 983L:

- modifying one structure
- installing approximately 140 metres (m) of new single circuit 240 kV transmission line

Proposed transmission structures

The structures for the new transmission line are proposed to be three angle monopoles, which will be between 18 and 28 m in height.

They will be installed on land leased by Aira and require a **right-of-way** of up to 60 m. Please see the map included in this package for more details.

Fibre optic cable

AltaLink is proposing to install approximately 420 m of underground fibre optic cable between Aira's proposed Moose Tail **Substation** and the existing 983L transmission line. In certain locations along the proposed fibre optic cable route, a small underground conduit box may be required to facilitate construction and maintenance of the cable. These locations will be determined following detailed engineering and discussions with landowners.



The existing structure that will be modified looks similar to the picture on the left. The angle monopole structures will look similar to the picture on the right.



The underground conduit box will look similar to the picture above.

DEFINITIONS:

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 used to maintain the 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. Buildings cannot be placed on the right-of-way, but can be built up to the edge of the right-of-way.

Substation

Substations are the connection points between power lines of varying voltages and contain equipment that controls and protects the flow of power.

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

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.

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*.

Anticipated project schedule

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

Email: stakeholderrelations@altalink.ca

Website: www.altalink.ca/projects

To learn more about the Aira Solar project, please contact:

AIRA WIND POWER INC.

Samantha Brown

SABR Energy Consulting Inc., on behalf of Aira Wind Power Inc.

587-434-7547

Email: sbrown@sabreenergyconsulting.com

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

Email: stakeholder.relations@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 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.

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

PRIVACY COMMITMENT

AltaLink is committed to protecting your privacy. AltaLink will collect, use, and disclose personal information in accordance with AltaLink's Privacy Policy and the *Personal Information Protection Act* (Alberta). 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 map
- AESO Need Overview
- AUC brochure: *Participating in the AUC's independent review process to consider facility applications*

SUBSCRIBE TO THIS PROJECT

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

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