

OCTOBER 2024

# Eastervale Solar and Storage Connection

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

To connect Eastervale Solar Inc. (Eastervale Solar’s) solar and storage project to the grid, AltaLink is proposing a new transmission line and other changes to its transmission system. The project is located in the Municipal District of Provost No. 52, approximately 17 kilometres south of the Village of Amisk.

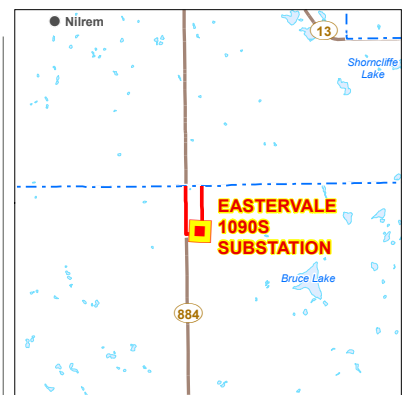
AltaLink’s connection and Eastervale Solar’s project are separate. For more information about Eastervale Solar’s project, see their contact information included in this newsletter.

## Project details

To connect their proposed solar project to the grid, Eastervale Solar plans to construct a new **substation**, named Eastervale 1090S.

AltaLink is proposing changes to its system to accommodate the connection of Eastervale Solar’s project, including:

- constructing up to four kilometres of new 240 kilovolt (kV) transmission line (to be named 1047AL) along one of two potential routes
- installing a new **telecommunications tower** in the proposed Eastervale 1090S substation
- minor upgrades or modifications to existing associated structures and equipment as needed



**LEGEND**

- Proposed Customer Substation (Red square)
- Potential Transmission Line (Red line)
- Existing Transmission Line (Dashed blue line)
- Hamlet or Locality (Black dot)
- Road (Brown line)
- Water Body (Blue area)

**DEFINITIONS:**

**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.

## ANTICIPATED PROJECT SCHEDULE



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.

## Potential transmission line routes

AltaLink has identified two potential route options to connect the new 1047AL transmission line to the existing 1047L transmission line. If approved by the Alberta Utilities Commission (AUC), only one of these options will be constructed.

More information about the proposed locations can be found on the included map.

Location	Route details
<p><b>East option</b></p> <p>Associated point designations located on the included maps: A1 to A25 to A30</p>	<p>To connect the east option to the grid, AltaLink is proposing to add one new structure to the existing 1047L line. The new structure will be approximately 20 metres tall.</p> <p>The proposed east option also includes installing approximately 2.5 kilometres of new 240 kV transmission line to be called 1047AL.</p> <p>The majority of this new line will be located within Eastervale Solar's proposed project feneline.</p> <p>A <b>right-of-way</b> of approximately 30 metres will be required.</p> <p>The new proposed structures on this route option will be:</p> <ul style="list-style-type: none"> <li>• primarily H-frame structures</li> <li>• made of steel or wood</li> <li>• between 13-28 metres tall</li> </ul>
<p><b>West option</b></p> <p>Associated point designations located on the included maps: A1 to B5 to B10 to B30</p>	<p>To connect the west option to the grid, AltaLink is proposing to add three new structures and remove three existing structures from AltaLink's existing 1047L line. The new structures will be approximately 27 to 38 metres tall.</p> <p>The proposed west option also includes installing approximately 3.5 kilometres of new 240 kV transmission line to be called 1047AL.</p> <p>A right-of-way of approximately 30 metres will be required where the 1047AL exits the Eastervale 1090S substation. Where the line is within road allowance, an additional 15 metres of right-of-way from the edge of the road allowance will be required.</p> <p>The new proposed structures on this route option will be:</p> <ul style="list-style-type: none"> <li>• primarily monopole structures</li> <li>• made of steel or wood</li> <li>• between 21 and 30 metres tall</li> </ul>



For the proposed 1047AL transmission line, the H-frame structures will look similar to the photo above.



For the proposed 1047AL transmission line, the monopole structures will look similar to the photo above.

Specialized structures may be required in some locations on each route based on engineering requirements. These structures may be taller than the heights listed above, and will be discussed with impacted stakeholders.

To facilitate construction, access trails and temporary workspace may be required. Construction workspace is required for the safe construction of the transmission line. AltaLink will consult with affected stakeholders regarding potential construction workspace and access trails.

### DEFINITIONS:

**Kilovolt (kV)** | 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.

**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.

**Telecommunications tower** | Telecommunications towers support equipment that transmits data to our system control centre. This allows us to monitor the operation of the electric system and ensure we provide safe and reliable power to our customers.

## Telecommunications tower

AltaLink is proposing to install a new **telecommunications tower** (see image to the right for an example of what the tower will look like) to help maintain the safety and reliability of the electric system in the area.



The proposed telecommunications tower will:

- be located within Eastervale Solar's new substation in SW-2-40-8-W4
- be a self-supported steel structure
- be approximately 35 to 50 metres tall (including the antenna and lightning rod) and have a triangular base
- comply with Transport Canada's requirements regarding painting and lighting
- not be accessible to the public, as the structure will be inside the fenced area of an operating substation and only support AltaLink equipment at this time

The location of the telecommunications tower is shown on the map included in this package.

## 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*.

## OUR COMMITMENT TO SUSTAINABILITY

If the Alberta Utilities Commission (AUC) approves this project, you may see or hear construction crews in the area. We have set strict standards by which we operate, including restricting work hours to reduce the impacts to residents and businesses, ensuring safe construction practices and following environmental protection measures and appropriate environmental legislation. AltaLink believes that the environmental effects of this project will be negligible. This project is not located on federal lands, therefore Canadian Environmental Assessment Act, 2012 does not apply. AltaLink's safety standards and practices are developed to meet or exceed government guidelines and codes to ensure that our facilities meet the requirements for public, employee and neighbouring facility safety.

## 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

## 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)

To subscribe to this project: visit [www.altalink.ca/projects](http://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](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.

To learn more about Eastervale Solar's project, please contact:

Jennifer Traichel  
(587) 216-0696  
Email: [jennifer@ascentpartners.ca](mailto:jennifer@ascentpartners.ca) or [EastervaleSolar@ascentpartners.ca](mailto:EastervaleSolar@ascentpartners.ca)  
Website: [www.eastervalesolar.com](http://www.eastervalesolar.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.



## Electric and Magnetic Fields and Radio Frequency 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 very 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/safety-and-preparedness/emf](http://www.altalink.ca/safety-and-preparedness/emf)

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

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

### Radio Frequency (RF)

Telecommunication towers use Radio Frequency (RF) signals to transmit and receive information. The point-to-point signals travel along a focused path at low power levels and are well below recommended safety limits. Licensed radio links on a telecommunications tower will not impact any other licensed telecommunication frequencies used by cellular phones, over-the-air television, satellite, radio, or GPS.

The telecommunication tower described in this notification will be installed and operated on an ongoing basis to be in compliance with Health Canada's Safety Code 6, which defines safe levels of RF exposure. To ensure the structural adequacy of the tower, the design and installation will follow industry standards and sound engineering practices.

For general information relating to telecommunications systems, please contact:

**Innovation, Science and Economic Development  
Canada**

1-800-267-9401 (toll free in Canada)

Website: [www.ic.gc.ca/towers](http://www.ic.gc.ca/towers)

Let's talk transmission



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