

JUNE 2026

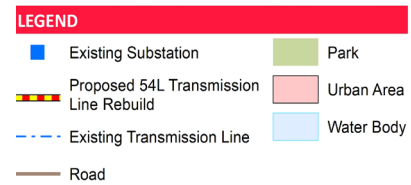
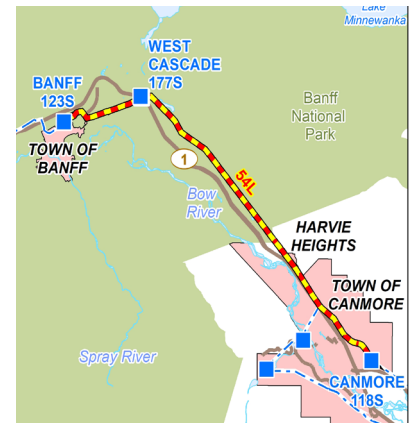
54L Transmission Line Rebuild

You are receiving this project newsletter because you are near the proposed 54L Transmission Line Rebuild, and we want your input. Thank you for your participation in this project.

The existing transmission line is a single-circuit 138 kilovolt (kV) line, approximately 24 kilometres (km) long. It begins at the Canmore Substation, continues west through the Hamlet of Harvie Heights into Banff National Park, and ends at the Banff Substation within the Town of Banff. It was originally constructed in 1941 and has reached the end of its lifecycle. We are proposing to rebuild the transmission line to ensure that a safe and reliable supply of power is available for years to come.

AltaLink began consulting on this project in October 2021. In June 2025, we shared project updates on what we were proposing at that time. Since then, we have continued to gather valuable feedback that has helped us in our project planning process.

With the input we've received from stakeholders, along with information gathered through detailed engineering and ongoing field studies, we have made updates to the proposed routes and structure types in the Town of Canmore and Harvie Heights, and we are also assessing some new potential options.



ANTICIPATED PROJECT SCHEDULE

<p>JUNE - END OF 2026 Notify and consult with stakeholders</p>	<p>END OF 2026 File application with Alberta Utilities Commission (AUC)</p>	<p>2028 Start construction if project is approved</p>	<p>2031 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.

DEFINITIONS:

Transmission | *Transmission lines are 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.*

Circuit | *A circuit is three wires. Transmission line structures can be single- or double-circuit, and this affects how much electricity the structure carries. Single circuit transmission lines have three wires strung along the structures. A double circuit transmission line has six wires and carries double the amount of electricity.*

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.*

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

Danger trees | *Danger trees are vegetation/trees located under or adjacent to transmission lines that could fall over and contact transmission line conductors or where line conductors could, under windy conditions, blow out and contact the tree producing an electrical flash over to the line.*

Hazard trees | *Hazard trees are defective trees that are at imminent risk of falling on the line, both on and off the right-of-way, and must be immediately removed.*

Project details

The proposed project includes:

- rebuilding approximately eight km of existing transmission line in and around the Town of Canmore and approximately 16 km of existing transmission line in Banff National Park
- considering rebuilding two segments of the transmission line adjacent to Harvie Heights and Elk Run Boulevard in either an overhead and/or underground configuration
- building a temporary transmission line to ensure reliable electricity supply during construction
- vegetation management, including removing **danger** and **hazard** trees in and around the transmission line **right-of-way** (ROW)

Potential new double-circuit solution

While the existing transmission line we are proposing to rebuild is a single-circuit transmission line, there is the potential for a portion of the 54L transmission line to be rebuilt as a double-circuit transmission line between the connection with the 85L transmission line (near A40 on the maps included in this package) and the West Cascade substation to support reliability of the power system in the area.

Studies and discussions are ongoing with FortisAlberta, the electricity distribution provider in the area, however we have incorporated the potential for a double-circuit option in this project update and we would like your feedback.

For more information on the distribution system in the area, please contact 310-WIRE (9473).

The route options we are proposing are the same for both single- and double-circuit options. Proposed structures for a double-circuit configuration are anticipated to have a similar design to the proposed single-circuit structures, but will be taller than a single-circuit option. More information is included in this package.



Updates to proposed route options

Please refer to the maps included in this package for the proposed routes near you.

HARVIE HEIGHTS AREA UPDATES

AltaLink is continuing to assess potential route options in the Harvie Heights area. This includes the existing overhead and potential underground options that were shared in the previous update, as well as two additional overhead route options identified based on stakeholder feedback.

Route along Highway 1: This route was previously considered for a temporary bypass transmission line, but this alignment is now being considered as a permanent transmission solution.

Firebreak route: Another route option is located on the east and north sides of Harvie Heights in the Bow Valley Wildland Provincial Park. This option proposes relocating the transmission line along the cleared firebreak in the area.

CANMORE AREA UPDATES

Based on stakeholder feedback, we are proposing one route modification and assessing a potential new route option in the Canmore area.

Palliser Trail: We are proposing a modification to the segment of the proposed route in the Palliser Trail area, between designation points C0 to C10 on the maps, by shifting it approximately 16 m to the east. This route adjustment is to accommodate plans for potential future development in the Town of Canmore.

Elk Run Boulevard: We are assessing an option that would move the transmission line behind the Canyon West Condominium between D0 and D10.

Feedback on additional underground considerations

During consultation, we have received feedback from some stakeholders that they would prefer segments of the existing transmission line near their property to be rebuilt underground. Underground transmission lines can be substantially more expensive than overhead options and as a regulated utility, we have a responsibility to prudently manage our costs for Albertans. Underground transmission line costs are a result of specialized construction activities and equipment. Underground transmission lines also have a much larger ground disturbance versus overhead options.

We continue to evaluate the previously considered underground options for this project. Please refer to the maps provided in this package to review areas where we are considering underground. Ultimately, the Alberta Utilities Commission (AUC) must approve any underground segments. AltaLink anticipates including information regarding underground options for select locations in its facilities application to the AUC for its consideration.

DEFINITIONS:

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.



DID YOU KNOW? *AltaLink has had a Wildfire Mitigation Plan in place since 2019. With wildfires becoming more frequent and intense, our priority is protecting your community while delivering safe, reliable power. Learn more at: AltaLink.ca/wildfiresafety.*

Updates to proposed transmission structures

PROPOSED OVERHEAD TRANSMISSION STRUCTURES

As a result of additional engineering, there are some changes to the previously proposed structure heights. As a comparison, we have also included preliminary structure details for the potential double-circuit solution. The double-circuit details will be confirmed following completion of detailed engineering. Please see the chart below for details.

	Structure type	Height	Distance apart	Material
Existing	Single-circuit monopole or H-frame	15 - 20 m	120 - 200 m	Wood or steel
Previously proposed option	Single-circuit monopole or H-frame	20 - 30 m	125 - 200 m	Self-weathering steel
Updated proposed option	Single-circuit monopole or H-frame	20 - 35 m	125 - 200 m	Self-weathering steel
Potential option	Double-circuit monopole and two-pole	26 - 35 m	125 - 200 m	Self-weathering steel

The single-circuit monopole structures will look similar to the image on the right but made of self-weathering steel



The single-circuit H-frame structures will look similar to the image on the left but made of self-weathering steel



The double-circuit monopole structures may look similar to the image on the right, which is shown with self-weathering steel



The double-circuit two-pole structures may look similar to the image on the left, which is shown with self-weathering steel



PROPOSED NEW STRUCTURE TYPE ALONG ELK RUN BOULEVARD (BETWEEN A6 TO A8)

As a result of stakeholder feedback, we are proposing a stacked conductor design in this location (as shown in the photo on the right). The transmission line wires will be placed on the side of the structures adjacent to Elk Run Boulevard.

POTENTIAL UNDERGROUND RISER STRUCTURES

Riser structures occur where an underground cable comes above ground to connect to the electrical grid. If a double-circuit option is required in the areas where underground is being considered, two riser structures will be required at the end of each underground segment compared to one riser structure required on each end with a single-circuit option.



The stacked conductor structure will look similar to the above image but made of self-weathering steel

FortisAlberta distribution lines along 54L

FortisAlberta distribution lines are currently underbuilt on AltaLink's 54L transmission line. As part of this proposed project, we are working with FortisAlberta regarding the relocation of the distribution lines. In most locations, FortisAlberta distribution lines will be placed underground within the existing AltaLink right-of-way. Undergrounding distribution lines is more cost-effective compared to undergrounding transmission lines.

In the location between A8 and A12 on the maps, the FortisAlberta line will be underbuilt on AltaLink's transmission line. The structures that will have FortisAlberta distribution lines underbuilt on them will be approximately 20 - 35 m tall and look similar to the photo on the right.

For more information on the relocation of the distribution lines, please contact 310-WIRE (9473).



Example of a self-weathering steel structure with an underbuilt distribution line

Information about construction

We know that there are questions about what construction will look like if the project is approved. As the project planning progresses, we will provide more details about the potential construction timeline and what you can expect to see or hear near you. AltaLink is committed to working with stakeholders and providing regular updates throughout the construction phase of the project if approved.



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)

Other projects in the area

AltaLink is working on other projects in the area to ensure we can continue to deliver safe and reliable electricity for years to come.

Project name	551 Line Wildfire Mitigation
Description	Work is proposed to take place along the existing 551L transmission line in Banff National Park to mitigate wildfire ignition risk. To view the details of the project, please visit: www.altalink.ca/projects/551L
Status	Ongoing until 2030. Line construction is anticipated to be complete in 2029. Vegetation management is anticipated to be complete in 2030.

Providing your input

Stakeholder input is important to us. You can provide your input in one of the following ways.

PARTICIPATE IN A ONE-ON-ONE CONSULTATION

We will contact all occupants, residents and landowners who are on or directly adjacent to the proposed transmission line rebuild to gather input through one-on-one consultations, as well as any stakeholders who wish to participate in AltaLink’s consultation process.

During the one-on-one process, we will document the information you provide and respond to any questions or concerns you may have about the project.

ATTEND OUR PUBLIC EVENTS

We want to hear your thoughts and concerns to help us understand what is important to you as we move forward with the project. Please join us at our public events in the project area. Members of our consultation, environment, electrical effects and siting teams will be available to discuss the project during the sessions.

Dates	Thursday, Aug. 13 Tuesday, Aug. 18
Location	Canmore Recreation Centre - Room 115 1900 8 Ave. Canmore, Alta.
Time	5 to 8 p.m.

COMPLETE OUR FEEDBACK FORM

An online feedback form is available for you to submit your questions and/or feedback on the proposed project. The form also provides an option to identify a preferred contact time and method. The form is available at www.altalink.ca/projects/54L

AltaLink is committed to sharing information about its projects and working with the public to gather and respond to stakeholder input and concerns. A summary of stakeholder comments will be incorporated into the application we submit to the AUC.

Next steps

After our consultation and notification process is complete, we will file an application with the 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*.

Contact us

To learn more about the proposed project, please contact:

AltaLink

1-877-267-1453 (toll free)

E-mail: stakeholderrelations@altalink.ca

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.

To view the details of the project, please visit:

www.altalink.ca/projects/54L

To subscribe to project updates, please visit:

www.altalink.ca/projects/54L and complete the fields under 'Subscribe to project updates'. Once the fields are complete, select 'Submit'.

To learn more about the application and review process, please contact:

AUC

310-4AUC (4282)

1-833-511-4282 (outside Alberta)

Email: info@auc.ab.ca

The AUC ensures the fair and responsible delivery of Alberta's utility services. AltaLink submits applications for new transmission projects to the AUC and the AUC reviews them in a public process.

To learn more about the FortisAlberta distribution lines, please contact:

FortisAlberta

310-WIRE (9473)

INCLUDED IN THIS INFORMATION PACKAGE:

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

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 or contact us directly via e-mail privacy@altalink.ca or phone at 1-877-267-6760.

Let's talk transmission



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Sustainable
Electricity
Designation

