

Electric system improvements near you

Peace Butte Wind Power Interconnection Project – preferred and alternate route selection

AltaLink’s transmission system efficiently delivers electricity to 85% 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 proposed Peace Butte Wind Power Interconnection Project located approximately 25 kilometres (15 miles) south of Medicine Hat and we want to provide you with an update.

This proposed **transmission** development will connect Pteragen Canada Inc.’s wind power project to Alberta’s electric system.

You may have previously received information from Pteragen Canada about its proposed wind power project in the area. For more information about its project, please contact Pteragen Canada directly. Their contact information is on the back page of this newsletter.

We want to provide you with:

- information about preferred and alternate routes
- an updated project schedule
- a map of the preferred and alternate routes

Definition: 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, high-efficiency coal, natural gas and more.

CONTACT US

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www.altalink.ca/regionalprojects

Project details

Pteragen Canada Inc. has requested to connect its proposed Peace Butte Wind Power Facility to Alberta's electric system. Transmission reinforcements are required to transport the power generated by the facility to Albertans. If the project is approved, all costs associated with the project will be paid by Pteragen Canada Inc.

The proposed project involves building a portion of transmission line to connect Pteragen Canada Inc.'s proposed substation, called Tothill, to an existing 138 kV (kilovolt) transmission line in the area, called 600L.

Project update – preferred and alternate routes

AltaLink sent stakeholders information in April 2011 that included two potential route options for this proposed project. Through our public consultation program we have received valuable stakeholder input that has helped us identify the preferred and alternate route options. We have identified Route A as our preferred route as a result of stakeholder feedback that indicated it would have a lower agricultural impact than the alternate route.

The preferred route for the transmission line is approximately 300 metres (984 feet) in length, and the alternate route is approximately 200 metres (656 feet).

The proposed transmission line will be comprised of single-pole structures that will be made of wood, steel or composite material.

The structures will:

- be approximately 17-25 metres (55-85 feet) tall
- have a distance between structures of approximately 100-140 metres (328-459 feet)

The preferred route would have the structures located one metre (three feet) inside the road allowance while the alternate route would have a right-of-way of approximately 20 metres (65 feet) with the structures located on private property. Please refer to the detailed map included with this package to view the preferred and alternate routes for this proposed project.



The proposed new transmission structures will look similar to the single-pole structure pictured here. The structures will be made of wood, steel or composite material.

Next steps

The Alberta Electric System Operator (AESO) received an application from Pteragen Canada Inc. to connect its facility to the electric system and will file a Needs Application with the Alberta Utilities Commission (AUC). For more information about why this project is needed, please refer to the AESO’s updated Need Overview included with this package, or visit www.aeso.ca.

AltaLink will file a Facilities Application with the AUC that describes how AltaLink proposes to meet the requirements for the transmission project. The AUC ensures the fair and responsible delivery of Alberta’s utility services.

The AUC will review the application and can approve, approve with conditions or deny 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 *Public Involvement in Needs or Facilities Applications*.

Anticipated project schedule

File application with Alberta Utilities Commission (AUC)	Summer 2012
Start construction if project is approved	Spring 2013
Complete construction	Summer 2013

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 at 1-877-267-1453 (toll free)

Email: siting.consultation@altalink.ca

Website: www.altalink.ca/regionalprojects

To learn more about Pteragen Canada Inc.'s proposed Peace Butte Wind Power Facility, please contact:

Pteragen Canada

Carlo Plava at 1-403-444-5481

Carlo.plava@renovalia.com

To learn more about Alberta's electric system and the need for the project, please contact:

Alberta Electric System Operator (AESO) at 1-888-866-2959

Email: stakeholder.relations@aeso.ca

The Alberta Electric System Operator (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 you may contact the AESO directly or you can make your concerns known to an AltaLink representative who will communicate them to the AESO on your behalf.

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

Alberta Utilities Commission (AUC) at 780-427-4903

(You can call toll-free by dialing 310-0000 before the number.)

Email: consumer-relations@auc.ab.ca

Other projects in your area

AltaLink's Bowmanton to Whitla transmission project is located near the Peace Butte Wind Power Interconnection Project and is currently under construction.

The Bowmanton to Whitla transmission project includes a new transmission line from east of Medicine Hat to south of Whitla and is one of a series of projects in the Southern Alberta Transmission Reinforcement (SATR). The SATR will connect wind energy to Alberta's electric grid and strengthen the transmission system in southern Alberta. More information about the SATR project can be found at www.altalink.ca/satr.

Included in this information package:

- Project map
- AltaLink brochure: *A Dialogue on Electric & Magnetic Fields*
- AltaLink brochure: *Good Neighbours*
- AUC brochure: *Public Involvement in Needs or Facilities Applications*
- AESO Need Overview

DID YOU KNOW?

Since the energization of AltaLink's Southwest 240 kV project, Albertans now have access to twice the amount of clean, green wind power they were previously connected to. This 90 kilometre transmission line links Lethbridge to Pincher Creek in southern Alberta.