

# Electric system improvements near you

## Peace Butte Wind Power Interconnection Project – Potential Route Options

AltaLink is a regulated utility that owns and operates approximately 12,000 kilometres of transmission lines and 270 substations. We provide service to approximately 85 per cent of Albertans.



You are receiving this newsletter because you are near the Peace Butte Wind Power Interconnection Project and we want your input. This project will connect Pteragen Canada Inc.'s (Pteragen) planned wind power project in the Medicine Hat area to Alberta's electric system.

AltaLink is proposing to build a 138 kilovolt (kV) transmission line that will connect Pteragen's wind farm to the electric system using one of the potential route options outlined on the next page.

You may have already heard from Pteragen about its plans for a wind farm and transmission line in your area. Pteragen is also planning to build a substation (called Tothill) that will act as a connection point for its Peace Butte Wind Power Facility. This facility will collect wind generated electricity so it can be transported on the electric system.

If the Tothill Substation is proposed to be on or near your property you should receive information from Pteragen as they are responsible for the consultation, construction and operation of the Tothill Substation.

**Definition:  
Transmission**

Transmission lines make up Alberta's electric highway, linking the places where power is generated to your community where power is used. Transmission lines transport large amounts of power over long distances from power plants across the province. The transmission system connects diverse sources of power generation including wind, high-efficiency coal, natural gas and more.

**CONTACT US**

1-877-267-1453

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

## Peace Butte – Potential Route Options

There are two possible route options for AltaLink’s proposed transmission line. We would like your input about these route options.

### Route A

- is less than 400 metres (1,300 feet) long
- starts at the Tothill Substation, continues north across Township Road 100 and then west until it connects to the existing 138 kV transmission line in the area (600L)

A portion of this proposed transmission line would be located one metre inside the township road allowance on the north side of the road and the remaining portion of the transmission line would be located on private property.

### Route B

- is less than 400 metres (1,300 feet) long
- starts at the Tothill Substation and then travels west to connect to the existing 138 kV transmission line (600L)

The majority of this transmission line would be located on private property.

The routes discussed above are illustrated on the map included in this package.

## Providing your input

We will contact landowners, residents and occupants near the proposed transmission line project to gather input and address questions or concerns.

After the consultation process is complete we will file an application with the Alberta Utilities Commission (AUC). The AUC 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 *Public Involvement in Needs or Facilities Applications*.

## Project schedule

Notify and consult with stakeholders	Spring 2011
File application with Alberta Utilities Commission (AUC)	Summer 2011
Start construction if project is approved	Spring 2012
Construction completed	Summer 2012

## Peace Butte – Potential Route Options (cont'd)

### Contact us

To learn more about the proposed project please contact:

**AltaLink** at 1-877-267-1453 (toll free)  
E-mail: [siting.consultation@altalink.ca](mailto:siting.consultation@altalink.ca)  
Website: [www.altalink.ca/regionalprojects](http://www.altalink.ca/regionalprojects)

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  
E-mail: [stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca)

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.)  
E-mail: [utilitiesconcerns@auc.ab.ca](mailto:utilitiesconcerns@auc.ab.ca)

### Other projects in your area

AltaLink's proposed Bowmanton to Whitla transmission project is located near the Peace Butte Wind Power Interconnection Project. The Bowmanton to Whitla transmission project includes a new 240 kV 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.albertaelectricityfuture.ca/satr](http://www.albertaelectricityfuture.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 Document

### 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.