

APPENDIX B PARTICIPANT INVOLVEMENT PROGRAM (PIP)

Peace Butte Wind Energy Connection Needs Identification Document

1.0 Participant Involvement Program (PIP)

From April 2011 to June 2012, the AESO conducted a Participant Involvement Program (PIP) to assist in preparing its Peace Butte Wind Energy Connection Needs Identification Document (NID). The AESO's NID addresses the need for transmission system development in response to a request from Pteragen Canada Inc. for transmission system access for its proposed Peace Butte Wind Power Project in the Medicine Hat area (Facility). The proposed transmission system development consists of a new T-tap 138 kV transmission line from the existing 600L line to the proposed generator substation, Tothill 219S.

The AESO directed transmission facility owner (TFO) AltaLink Management Ltd. (AltaLink) to assist the AESO in consulting on the need for this transmission development.

The AESO's PIP was designed to notify, provide information to, and as necessary, consult with stakeholders, including occupants, residents and landowners within 800 metres of the proposed development as well as with the government agencies, organizations, industry and First Nations listed below.

The following organizations and interested parties were also informed:

- Alberta Culture and Community Spirit - Historic Resources Management Branch - Land Use Planning
- Alberta Environment
- Alberta Sustainable Resource Development - Fish and Wildlife
- Alberta Sustainable Resource Development - Public Lands and Forests Division
- Alberta Sustainable Resource Development - Rangeland Management
- County of Cypress
- Farmer's Advocate
- Forty Mile Gas Co-op
- Nav Canada
- Piikani Nation
- Pteragen Canada Inc.
- Siksika Nation
- Stoney Tribal Administration
- Yangarra Resources Corp.

1.1 Description of Participant Involvement Program

The AESO used a variety of methods to notify and consult stakeholders in respect of its NID, including a one-page need overview document that described the need for transmission development in the Medicine Hat area. Specifically, the AESO need overview described that the need to connect the Facility could be met by a new 138 kilovolt transmission line connecting the Facility to the existing 600L transmission line.

A copy of this document was posted to the AESO website at <http://www.aeso.ca/transmission/23738.html> on April 25, 2012. A copy of the need overview is included in Attachment 1.

The need overview was also included with AltaLink's project-specific information package mailed on April 20, 2012 to stakeholders, including landowners, occupants, residents, government agencies, organizations, industry and First Nations, within 800 metres of the proposed transmission development. Attachment 2 includes a copy of the April 2012 TFO brochure.

Most recently, the AESO advertised its intention to file the Peace Butte Wind Farm NID in the Medicine Hat News newspaper on Friday, June 1, 2012. A copy of the final proof has been included in Attachment 3.

As directed by the AESO, the TFO was prepared to direct any inquiries or concerns about the project need to the AESO. The TFO has indicated that no such inquiries or concerns were raised.

To ensure that stakeholders have the opportunity to provide feedback, the AESO also provides stakeholders with a dedicated, toll-free telephone line (1-888-866-2959) and a dedicated email address (stakeholder.relations@aeso.ca). AESO contact information, along with the AESO's mailing address (2500, 330 5th Ave, SW, Calgary) and website address (www.aeso.ca), and a privacy statement that describes how the AESO honours Alberta's Personal Information Protection Act, were included on all AESO communications related to this application.

1.2 Issues and Concerns Raised

The AESO has received no indication of concern from any party about the need for the transmission system development in the Medicine Hat area to connect the Facility.

1.3 List of Attachments

- Attachment 1 - AESO Need Overview
- Attachment 2 - TFO Mail out - *“AltaLink Electric system improvements near you - Peace Butte Wind Power Interconnection Project – preferred and alternate route selection”* (April 2012)
- Attachment 3 - Notification of Filing Advertisement - Final Proof

Attachment 1 – AESO Need Overview

Need for the Pteragen Peace Butte Wind Energy Connection in the Medicine Hat Area

Transmission Development Information for Stakeholders

Why is this transmission development needed?

Pteragen Canada Inc. has requested connection to the transmission system for its proposed Peace Butte Wind Power Project (Facility) in the Medicine Hat area. In response to this request, the Alberta Electric System Operator (AESO) has determined that the need to connect the Facility can be met by a new 138 kilovolt transmission line connecting the Facility to the existing 600L transmission line.

The AESO is processing the request, including providing information to landowners, occupants, residents and agencies in the Medicine Hat area that may be near the proposed transmission development. The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of this need in the spring of 2012. The AESO's needs identification document (NID) will be available at <http://www.aeso.ca/transmission/8969.html> at the time of the AESO's application to the AUC.

Who is the AESO?

Alberta's transmission system, sometimes referred to as the Alberta Interconnected Electric System (AIES), is planned and operated by the AESO. The transmission system comprises the high-voltage lines, towers and equipment (generally 69kV and above) that transmit electricity from generators to lower voltage systems that distribute electricity to cities, towns, rural areas and large industrial customers.

The AESO's role is to maintain safe, reliable and economic operation of the AIES. The AESO's planning responsibility includes determining the need for transmission system development and the manner in which that need is met. The AESO is also mandated to facilitate the interconnection of qualified market participants to the AIES. The AESO is regulated by the AUC and must apply to the AUC for approval of its NID.

How is AltaLink involved?

AltaLink Management Ltd. (AltaLink) is the transmission facilities owner (TFO) in the Medicine Hat area. While the AESO is responsible for identifying that transmission system development is needed, AltaLink is responsible for detailed siting and routing, constructing, operating and maintaining the associated transmission facilities. The AESO has directed AltaLink to provide information to stakeholders on this need and to file a facility proposal application with the AUC which will include a detailed description and location of the proposed transmission development.

Further Information

The AESO appreciates your views on the need for transmission system development and your comments are encouraged. If you have any questions or suggestions regarding the need for the proposed transmission system development in the Medicine Hat area or the AESO's application regarding this need, please contact:

Megan Harris
AESO Stakeholder Relations
1-888-866-2959
stakeholder.relations@aeso.ca
2500, 330 – 5th Avenue SW
Calgary, Alberta T2P 0L4

The AESO is committed to protecting your personal privacy in accordance with Alberta's Personal Information Protection Act. Any personal information collected by the AESO with regard to this project may be used to provide you with further information about the project, may be disclosed to the Alberta Utilities Commission (and as a result, may become public), and may also be disclosed to AltaLink as the legal owner of transmission facilities in your area. If you have any questions about how the AESO will use and disclose your personal information, please contact us at 1-888-866-2959 or at stakeholder.relations@aeso.ca

Attachment 2 – TFO Newsletter - “AltaLink Electric system improvements near you – Peace Butte Wind Power Interconnection Project – preferred and alternate route selection” (April 2012)

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

1-877-267-1453

Siting.Consultation@altalink.ca

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?

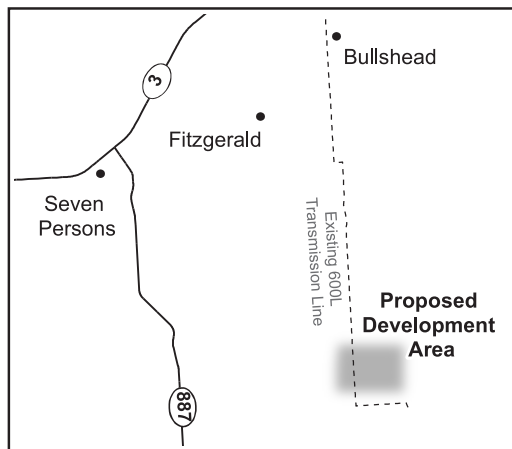
Since the energization of AltaLink's Southwest 240 kV project, Albertans now have access to twice the amount of clean, green wind power they were previously connected to. This 90 kilometre transmission line links Lethbridge to Pincher Creek in southern Alberta.

Attachment 3 – Notification of Filing Advertisement – Final Proof

Notification of AESO Regulatory Filing Addressing the Need for the Peace Butte Wind Energy Connection in the Medicine Hat Area

The Alberta Electric System Operator (AESO) advises you of its intention to file a needs identification document (NID) with the Alberta Utilities Commission (AUC) on or after June 15, 2012 for the connection of the proposed Peace Butte wind generation facility to be located approximately 25 kilometres south of Medicine Hat.

Pteragen Canada Inc. has requested connection to the transmission system for its Peace Butte Wind Power Project in the Medicine Hat area. Transmission development is required to address this request, including a new 138 kilovolt transmission line from the existing 600L transmission line to the generation facility.




The shaded area on the above map indicates the approximate area where transmission system development is needed. In a separate facilities application, AltaLink Management Ltd. (AltaLink), the transmission facility owner in the area, will describe the specific routes and sites it proposes to implement the transmission system development and request AUC approval to construct and operate the specific transmission facilities. The specific transmission line routes and sites applied for by AltaLink may extend beyond the area shown.

The AESO and AltaLink presented this need to stakeholders, including residents, occupants and landowners, from April 2011 to June 2012. The AESO has considered feedback gathered from stakeholders and technical and cost considerations, and will apply to the AUC for approval of the need for this transmission development. Once filed, the NID will be posted on the AESO website at <http://www.aeso.ca/transmission/23738.html>.

In a separate application, AltaLink will apply to the AUC for approval to construct and operate the specific facilities associated with this filing.

Please visit our website, www.aeso.ca for more information, or contact the AESO at 1-888-866-2959 or by e-mail at stakeholder.relations@aesoc.ca



 <small>Integrated Marketing Communications</small>	
Artist:	2N
Docket:	103196
Date:	May 28, 2012
Size:	5.1"
Proof:	1
1 of 1	
Publications(s):	MHN