

Pteragen Peace Butte Wind Farm Interconnection Project–Need for transmission system development in the Medicine Hat Area

For more information please contact the AESO at 1-888-866-2959,
www.aeso.ca or stakeholder.relations@aeso.ca



Why is transmission system development needed in the Medicine Hat area?

A wind farm generator, Pteragen Canada Inc., has applied to the AESO, to interconnect a 116 Megawatt (MW) wind power facility to the transmission system in the Peace Butte area in the Medicine Hat planning area. Pteragen plans to build a collector substation to be called Tothill 219S as part of their project.

In order to connect Pteragen's collector substation to the Alberta Interconnected Electric System (the Grid) AltaLink will need to construct approximately 300 m of 138 kilovolt (kV) transmission line and connect that newly constructed line to the existing transmission line in the area called 600L.

The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need identified for transmission development in the Peace Butte area of the Medicine Hat planning area 21 days after this document is presented to the public.

Who is the AESO?

Alberta's transmission system, sometimes referred to as the Alberta Interconnected Electric System (AIES) or "grid," is planned and operated by the Alberta Electric System Operator (AESO). The transmission system is comprised of the high-voltage lines, towers and equipment that transmit electricity from generators to lower voltage systems that distribute it to cities, towns, rural areas and large industrial customers. Our job is to maintain safe, reliable and economic operation of the provincial transmission grid. Our planning responsibility includes identifying needed transmission development and recommending preferred options to meet these needs. We are regulated by the AUC, and must apply for approval of the transmission system needs we identify. Further, the AESO is also mandated to facilitate the connection of qualified electricity generators and new load customers to the provincial transmission grid.

How is AltaLink Management Ltd. involved?

AltaLink Management Ltd. is the transmission facility owner (TFO) in this area. While the AESO is responsible for determining the need for transmission system reinforcement, AltaLink, when directed by the AESO, is responsible for filing an application with the AUC for approval of the transmission facilities that will satisfy the transmission need identified by the AESO.

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

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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 the local Transmission Facility Owner. If you have any questions about how the AESO will use and disclose your personal information collected with regard to this project, please contact us at 1-888-866-2959 or at stakeholder.relations@aeso.ca.