



Need for transmission system reinforcement in the Lakesend area for the Keystone XL Pipeline

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

Why is transmission system reinforcement needed in the Lakesend Area?

TransCanada Corporation is developing the Keystone XL Pipeline that will provide pipeline capacity to transport oil to refining markets. The Alberta Electric System Operator (AESO) has verified the need for electric transmission system reinforcement in this area and has confirmed that electricity demand required for the Lakesend East pump station for the Keystone XL Pipeline Project in this area can be reliably met by adding a 138 kV single-circuit transmission line and a new 144/6.9 kV substation adjacent to the Lakesend East pump station (#2).

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 (generally 69 kV and above) 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 reinforcement and recommending preferred options to meet these needs. We are regulated by the Alberta Utilities Commission (AUC) and must apply for approval of the transmission system needs we identify. Further, the AESO is also mandated to facilitate the interconnection of qualified electricity generators and new load customers to the provincial transmission grid.

The AESO intends to apply to the AUC for approval of the need identified for transmission reinforcement at the Lakesend East pump station in Q2 2010.

How are AltaLink Management Ltd. and ATCO Electric Ltd. involved?

AltaLink Management Ltd. and ATCO Electric Ltd. are the transmission facility owners (TFO) in the Lakesend area. While the AESO is responsible for determining the need for transmission system reinforcement, AltaLink Management Ltd and ATCO Electric Ltd., 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 system reinforcement need identified by the AESO.

The AESO appreciates the views of stakeholders. Your comments and suggestions on the plan for transmission system reinforcement are encouraged. If you have any questions or suggestions regarding the need for transmission system reinforcement at the Lakesend East pump station 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 888-866-2959 or at stakeholder.relations@aeso.ca.