

## **Currant Lake 896S and Transmission Line Development - Need for transmission system development in Hanna Area**

For more information please contact the AESO at 1-888-866-2959, [www.aeso.ca](http://www.aeso.ca) or [stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca)



### **Why is transmission system development needed in the Hanna Area**

TransCanada Corporation is developing the Keystone XL Pipeline (KXL) that will transport oil to refining markets. The Alberta Electric System Operator (AESO) has confirmed that a new 144/6.9 kilovolt (kV) substation to serve the electrical demand for KXL's Monitor South pump station # 3 can be connected to the transmission system. The proposed Currant Lake 896S substation would be connected to the transmission system by a 144 kV single circuit transmission line (7LA110) tapping existing circuit 7L110.

The AESO intends to apply to the Alberta Utilities Commission AUC for approval of the need identified for transmission development in the Hanna Area in November 2010.

### **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 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.

### **How is ATCO Electric involved?**

ATCO Electric is the transmission facility owner (TFO) in Hanna Area. While the AESO is responsible for determining the need for transmission system reinforcement, ATCO Electric, 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 development are encouraged. If you have any questions or suggestions regarding the need for transmission system development in the Hanna 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 888-866-2959 or at [stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca).*