

# Need for the SS-7 Substation Upgrade in the City of Calgary

*ENMAX Power Corporation (ENMAX) has applied to the Alberta Electric System Operator (AESO) for transmission system access to reliably serve growing demand for electricity in the Calgary area. ENMAX's request can be met by the following solution:*

## > PROPOSED SOLUTION

- Upgrade the existing SS-7 substation, including replacing two 138/25 kV transformers and adding a 138 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.

## > NEXT STEPS

- In mid-2017, the AESO may approve this request for transmission system access under the abbreviated needs approval process (ANAP). Once approved, the ANAP Approval Letter and supporting material will be posted on the AESO's website at [www.aeso.ca/grid/projects/](http://www.aeso.ca/grid/projects/)
- Alternatively, the AESO may submit a needs identification document (NID) to the Alberta Utilities Commission (AUC) for approval. Once submitted, the NID will be posted on the AESO's website at [www.aeso.ca/grid/projects/](http://www.aeso.ca/grid/projects/)

*The following organizations have key roles and responsibilities in providing access to the transmission system:*

## > THE AESO:

- Must plan the transmission system and enable access to it for generators and other qualified customers.
- Can approve certain requests for system access service through the ANAP. If this project no longer qualifies for approval under the ANAP, the AESO will prepare and submit a NID.
- Is regulated by the AUC and must apply to the AUC for approval of its NID.

## > ENMAX:

- Is the transmission facility owner in the City of Calgary
- Is responsible for detailed siting and routing, constructing, operating and maintaining the associated transmission facilities
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications

## > WHO IS THE AESO?

The Alberta Electric System Operator (AESO) plans and operates Alberta's electricity grid and wholesale electricity market safely, reliably and in the public interest of all Albertans. We are a not-for-profit organization with no financial interest or investment of any kind in the power industry.

*The AESO is committed to protecting your privacy. Your feedback, comments and/or contact information collected by the AESO will be used to respond to your inquiries and/or to provide you with further information about the project. The AESO will not use your personal information for any other purpose and will not disclose your information without consent or a legal obligation. If you choose to communicate by email, please note, email is not a secure form of communication. Security of your communication while in transit cannot be guaranteed.*



## FAST FACT

**Alberta's electric transmission system** comprises the towers, wires and related equipment that are a part of moving electricity from where it is generated to where it is used.

## > CONTACT US

We appreciate your views, both on the need for transmission system development and proposed transmission plans. If you have any questions or comments, please contact us directly.

**Alberta Electric System Operator**  
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