

**ATTACHMENT 4      PARTICIPANT INVOLVEMENT PROGRAM (PIP)**

## **ENMAX SS-7 Substation Upgrade**

### **PIP Summary**

---

#### **1.0 Participant Involvement Program (PIP)**

From May 2017 to September 2017, the AESO conducted a Participant Involvement Program (PIP) regarding the need for the ENMAX SS-7 substation upgrade. The AESO directed the transmission facility owner (TFO), in this case ENMAX Power Corporation (ENMAX), to assist the AESO in providing notification as part of the AESO's PIP.

#### **1.1 Notification**

The AESO's PIP was designed to notify the parties notified in the TFO's PIP, including but not limited to:

- i. occupants, landowners or residents;
- ii. local authorities, agencies and government which have responsibilities related to electric transmission line development;
- iii. First Nations and Métis; and
- iv. market participants

(collectively, Stakeholders).

The AESO did not identify any other parties outside of the TFO's PIP that required notification.

The AESO developed a one-page AESO Need Overview document that notified Stakeholders of the following items:

- a description of the need for development;
- a description of the AESO's preferred option to respond to the system access service request;
- identification of the general area where facilities could be installed to implement the AESO's preferred option to respond to the system access service request;
- the AESO's contact information, including telephone, email and website, for further information; and
- the AESO's next steps, including the AESO's intention to approve the request for system access service under the abbreviated needs approval process (ANAP) or apply to the Alberta Utilities Commission for approval of the need.

A copy of the AESO Need Overview was posted to the AESO website at <https://www.aeso.ca/grid/projects/ss-7-substation-upgrade/> on May 18, 2017 and a notice was published in the AESO Stakeholder Newsletter on May 18, 2017. Copies of the AESO Need Overview posting and the AESO Stakeholder Newsletter notice have been included as Attachments 5.1 and 5.2, respectively.

## 1.2 Stakeholders Notified

The TFO's PIP included notification within the first row of development surrounding the SS-7 substation, in accordance with Alberta Utilities Commission Rule 007.

In total, the TFO notified a total of 16 Stakeholders. The AESO Need Overview was included with the TFO's project-specific information packages that were distributed to these Stakeholders between May 17, 2017 and May 24, 2017.

The 16 notified Stakeholders and the rationale for inclusion in the PIP are listed in the following table.

Stakeholder	Rationale for Inclusion in the PIP
City of Calgary Councilor, Richard Pootmans	Interested party identified by ENMAX
MLA Deborah Drever	Interested party identified by ENMAX
ATCO Group	Interested party identified by ENMAX
Shaw Communications	Interested party identified by ENMAX
Telus Communications Company	Interested party identified by ENMAX
Cougar Ridge Community Association	Interested party identified by ENMAX
Springbank Hill Community Association	Interested party identified by ENMAX
Alberta Utilities Commission	Interested party identified by ENMAX
194550 Alberta Ltd	Landowner adjacent to the SS-7 substation
Her Majesty the Queen in Right of Alberta	Landowner adjacent to the SS-7 substation
Burnswest Corporation	Landowner adjacent to the SS-7 substation
Quinco Financial Inc	Landowner adjacent to the SS-7 substation
Bethel United Reformed Church of Calgary	Landowner adjacent to the SS-7 substation
1181814 Alberta Ltd	Landowner adjacent to the SS-7 substation
Rockland Holdings Ltd	Landowner adjacent to the SS-7 substation
All Shots Driving Range	Occupant adjacent to the SS-7 substation

Attachment 5.3 includes the TFO stakeholder newsletter, which was included in the TFO's project-specific information packages. The TFO's stakeholder newsletter included the AESO's contact information, a description of the AESO's role, a reference to the AESO Need Overview, and an invitation to contact the TFO or the AESO for additional information.

The materials distributed by the TFO, including the AESO Need Overview, were also made available on the TFO's project-specific webpage at <https://www.enmax.com/generation-wires/transmission-and-distribution/current-projects/enmax-no-7-substation-upgrades> on May 17, 2017.

### **1.3 Responding to Questions and Concerns**

To ensure that Stakeholders had the opportunity to provide feedback, the AESO provided Stakeholders with AESO contact information, including a dedicated, toll-free telephone line (1-888-866-2959) and a dedicated email address ([stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca)). The AESO contact information, along with the AESO's mailing address (2500, 330 5<sup>th</sup> Ave. SW, Calgary) and website address ([www.aeso.ca](http://www.aeso.ca)), and a privacy statement that described how the AESO is committed to protecting Stakeholders' privacy, were included in the AESO Need Overview.

As directed by the AESO, the TFO was prepared to direct any Stakeholder questions addressed to the AESO, or questions regarding the AESO Need Overview, to the AESO.

### **1.4 Concerns and Objections Raised**

The TFO has advised that Stakeholders have not identified any concerns or objections with the need to respond to the system access service request or the AESO's preferred option to respond to the system access service request. The AESO has not received any indication of concerns or objections from any party about the need to respond to the system access service request or the AESO's preferred option to respond to the system access service request.

### **1.5 List of Attachments**

- Attachment 4.1 – AESO Need Overview
- Attachment 4.2 – AESO Stakeholder Newsletter Need Overview Notice
- Attachment 4.3 – TFO's Project Newsletter – *ENMAX No. 7 Substation (May 2017)*

## **Attachment 4.1 – AESO Need Overview**

# 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**  
**Jennifer Vollmer**

*AESO Stakeholder Relations*

[stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca)  
**1-888-866-2959**

2500, 330-5th Avenue SW  
Calgary, AB T2P 0L4  
Phone: 403-539-2450  
Fax: 403-539-2949

[www.aeso.ca](http://www.aeso.ca) | [@theaeso](https://twitter.com/theaeso)

## **Attachment 4.2 – AESO Stakeholder Newsletter Need Overview Notice**

## **SS-7 Substation Upgrade – Need for Transmission Development in the City of Calgary**

ENMAX Power Corporation (ENMAX) has applied to the 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:

- 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.

The AESO has posted a Need Overview for this project on its website. Please [click here](#) to view the document or visit the AESO website at [www.aeso.ca](http://www.aeso.ca) and follow the path Grid > Projects > SS-7 Substation Upgrade.



**Attachment 4.3 – TFO’s Stakeholder Newsletter – *ENMAX No. 7*  
*Substation Proposed Substation Upgrades (May 2017)***

# ENMAX NO. 7 SUBSTATION

## PROPOSED SUBSTATION UPGRADES



### PROJECT OVERVIEW

ENMAX Power Corporation (ENMAX) is proposing to replace two 138-25kv 30 MVA transformers with two 30/40/50 MVA transformers and add a 138 kV circuit breaker at ENMAX No.7 Substation located in SW Calgary, to maintain restoration capability and accommodate load growth. The Substation is located at 718 – 101 Street SW, Calgary.

Please see the Alberta Electric System Operator (AESO) Need Overview document included in this project package for more information regarding the need for these substation upgrades.

### PROJECT DETAILS

The proposed project consists of the following:

- Replace two existing transformers with two new higher capacity transformers
- Addition of one new 138 kV circuit breaker
- Installation of associated protection and controls

All changes will occur within the existing substation yard.

### PROPOSED SCHEDULE

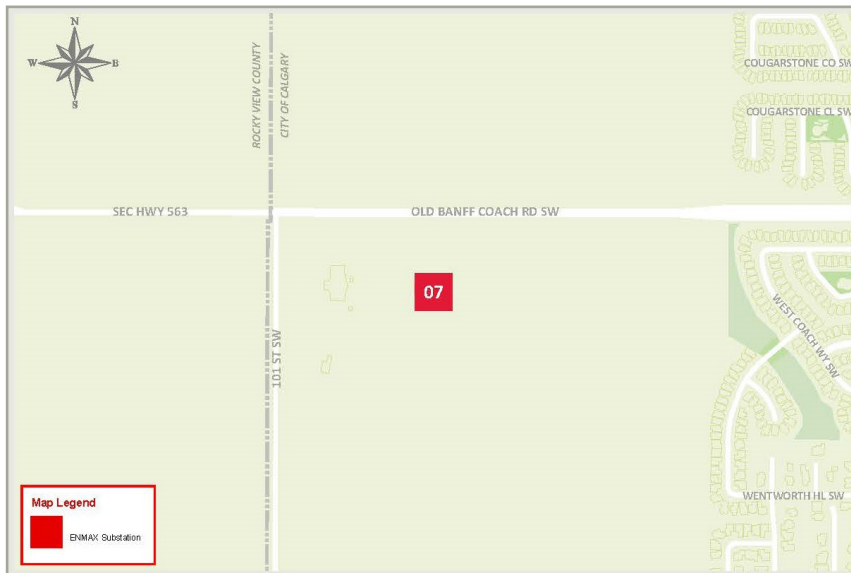
ENMAX plans to file the Facility Application (FA) with the Alberta Utilities Commission in August 2017. Subject to approvals being granted, ENMAX expects construction to begin in March 2018 with a proposed in-service date of December 2018.

#### SAFETY AND RELIABILITY

Calgarians rely on us every day to provide them with safe and reliable power. As our city grows, so do our needs for electricity. At ENMAX Power Corporation, we are committed to providing long-term, innovative solutions to meet the growing demands of our city.

# ENMAX NO. 7 SUBSTATION

## PROPOSED SUBSTATION UPGRADES



### ABOUT ENMAX CORPORATION

ENMAX, through its subsidiaries, makes, moves and sells electricity to residential, small business and large commercial customers and is headquartered in Calgary, Alberta, with offices in Edmonton. ENMAX Power Corporation owns and operates transmission and distribution infrastructure in Calgary and ENMAX Energy Corporation owns diverse electricity generation facilities throughout the province. Since 2007, ENMAX has been named one of Alberta's Top Employers. ENMAX Energy is currently the retailer of choice for both The City of Calgary and The City of Edmonton.

### ABOUT ALBERTA ELECTRIC SYSTEM OPERATOR (AESO)

The 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](http://www.aeso.ca). If you have any questions or concerns about the need for this project you may contact the AESO directly. You can also make your questions or concerns known to an ENMAX representative who will collect your personal information for the purpose of addressing your questions and/or concerns to the AESO. This process may include disclosure of your personal information to the AESO.

### COMMITMENT TO COMMUNITY

ENMAX is committed to being a responsible corporate neighbour in the community. This commitment includes providing timely and meaningful engagement with stakeholders about this project.

We have developed a comprehensive public involvement program to provide opportunities for area residents, occupants and landowners to be informed about this proposal and to engage with ENMAX in dialogue from the planning phase through to construction.

### MORE INFORMATION

Your input is very valuable to us. We will work with you to ensure you get answers to your questions and your concerns are understood. For more information about the proposed project, please contact:

#### ENMAX POWER CORPORATION

**Phone:** (403) 514-1471

**E-mail:** [stakeholderrelations@enmax.com](mailto:stakeholderrelations@enmax.com)

**Website:** [enmax.com/transmissionprojects](http://enmax.com/transmissionprojects)

For more information about the need for this project, please contact:

#### ALBERTA ELECTRIC SYSTEM OPERATOR (AESO)

**Phone:** 1-888-866-2959

**E-mail:** [stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca)

**Website:** [aeso.ca](http://aeso.ca)

To learn more about the regulatory process, please contact:

#### ALBERTA UTILITIES COMMISSION (AUC)

**Phone:** (780) 427-4903

**Email:** [consumer-relations@auc.ab.ca](mailto:consumer-relations@auc.ab.ca)

**Website:** [auc.ab.ca](http://auc.ab.ca)