

APPENDIX C AESO PIP

Capital Power Energy Centre Connection

Needs Identification Document

1.0 Participant Involvement Program (PIP)

From February 2015 to March 2016, the AESO conducted a Participant Involvement Program (PIP) to assist in preparing its Capital Power Energy Centre Connection Needs Identification Document (NID). The AESO directed the transmission facility owner (TFO), EPCOR Distribution & Transmission Inc., to assist the AESO in providing notification in accordance with Alberta Utilities Commission (Commission) Rule 007.¹

1.1 Stakeholder Notification

The AESO's PIP was designed to notify and provide information to all occupants, residents and landowners within the notification area of the proposed development, as well as to other interested parties, including the following government bodies, agencies and other stakeholder groups (Stakeholders):

- Alberta Environment
- AltaLink Management Ltd.
- ATCO Gas and Pipeline Ltd.
- Capital Power GP Holdings Inc.
- Edmonton Regional Planning Commission
- Journey Energy Inc.

The AESO used a variety of methods to notify Stakeholders on the need for the Capital Power Energy Centre connection. The AESO developed a one-page Need Overview document that described the need for the proposed connection. A copy of this document was posted to the AESO website at <http://www.aeso.ca/transmission/31720.html> and a notice was published in the AESO Stakeholder Newsletter on February 26, 2015. Copies of the Need Overview posting

¹ The AESO's directions to the TFO were given under the previous Commission Rule 007, effective April 1, 2015. The AESO confirms that the PIP conducted in respect of the NID meets the requirements of Section 6.2.2, NID27 of the current Commission Rule 007, effective February 1, 2016.

and the AESO Stakeholder Newsletter notice have been included as Attachments 1 and 2, respectively.

The Need Overview was also included with the TFO's project-specific information package mailed on February 18, 2015 to the Stakeholders noted above. Attachment 3 includes a copy of the TFO information brochure.

To ensure that Stakeholders had the opportunity to provide feedback, the AESO also provided Stakeholders with a dedicated, toll-free telephone line (1-888-866-2959) and a dedicated email address (stakeholder.relations@aeso.ca). AESO contact information, mailing address (2500, 330 5th Ave, SW, Calgary), website address (www.aeso.ca), and a privacy statement that described how the AESO honours Alberta's Personal Information Protection Act were included on the Need Overview related to this application.

As directed by the AESO, the TFO was prepared to direct any inquiries or concerns about the project need to the AESO. The TFO has indicated that Stakeholders have not identified any concerns or objections with the need for the proposed connection.

1.2 Public Notification

Most recently, the AESO published a Public Notification of Filing to the AESO website at <http://www.aeso.ca/transmission/31720.html> and a notice in the Stakeholder Newsletter on February 16, 2016. Copies of the Public Notification of Filing posting and the AESO Stakeholder Newsletter notice have been included as Attachments 4 and 5, respectively.

1.3 Concerns and Objections Raised

The AESO has not received any indication of concerns or objections from any party about the need for the proposed transmission development.

1.4 List of Attachments

- Attachment 1 – AESO Need Overview
- Attachment 2 - AESO Stakeholder Newsletter Need Overview Notice
- Attachment 3 – EPCOR Distribution & Transmission Inc.'s Information Brochure – *Genesee Substation Expansion Project* (February 2015)
- Attachment 4 – AESO Public Notification of Regulatory Filing (AESO Website Posting)
- Attachment 5 – AESO Stakeholder Newsletter NID Filing Notice

Attachment 1 – AESO Need Overview

Need for the Genesee 330P Substation Upgrade in the Edmonton area

Transmission Development Information for Stakeholders



Capital Power Corporation (Capital Power) has requested transmission system access for its proposed Genesee Generating Station, Units 4 and 5. Capital Power's request can be met by expanding the existing Genesee 330P substation to add four new 500 kV breakers and associated equipment and by constructing two short transmission lines connecting Genesee 330P to Capital Power's new generating units.

The AESO is processing Capital Power's request, including providing information to landowners, occupants, residents and agencies that may be near the proposed transmission development. The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of this need in Summer 2015. The AESO's needs identification document (NID) application will be available on the AESO's website at www.aeso.ca/nid at the time of its application to the AUC.

Who is the AESO?

Alberta's transmission system, sometimes referred to as the Alberta Interconnected Electric System (AIES), is planned and operated by the AESO. The transmission system comprises the high-voltage lines, towers and equipment (generally 69 kV and above) that transmit electricity from generators to lower voltage systems that distribute electricity to cities, towns, rural areas and large industrial customers.

The AESO's role is to maintain safe, reliable and economic operation of the AIES. The AESO's planning responsibility includes determining the need for transmission system development and the manner in which that need is met. The AESO is also mandated to facilitate the interconnection of qualified market participants to the AIES. The AESO is regulated by the AUC and must apply to the AUC for approval of its NID.

How is EDTI involved?

EPCOR Distribution and Transmission Inc. (EDTI) is the transmission facilities owner in the Edmonton area. While the AESO is responsible for identifying that transmission system development is needed, EDTI is responsible for detailed siting and routing, constructing, operating and maintaining the associated transmission facilities. The AESO has directed EDTI to provide information to stakeholders on this need and to file a facility proposal application with the AUC which will include a detailed description and location of the proposed transmission development.

Further Information

The AESO appreciates your views on the need for transmission system development and your comments are encouraged. If you have any questions or comments regarding the need for the proposed transmission system development in the Edmonton area or the AESO's application regarding this need, please contact:

Susan Haider
AESO Stakeholder Relations
1-888-866-2959
stakeholder.relations@aeso.ca
2500, 330 – 5th Avenue SW
Calgary, Alberta T2P 0L4

If you have any questions or concerns, please contact us at 1-888-866-2959 or at stakeholder.relations@aeso.ca. 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 purposes 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.

Attachment 2 - AESO Stakeholder Newsletter Need Overview Notice

Genesee 330P Substation Upgrade - Need for Transmission System Development in the Edmonton area

Capital Power Corporation (Capital Power) has requested transmission system access for its proposed Genesee Generating Station, Units 4 and 5. Capital Power's request can be met by expanding the existing Genesee 330P substation to add four new 500 kV breakers and associated equipment and by constructing two short transmission lines connecting Genesee 330P to Capital Power's new generating units.

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 and follow the path Transmission > Needs Identification Documents > Genesee 330P Substation Upgrade

**Attachment 3 – EPCOR Distribution & Transmission Inc.’s
Information Brochure – *Genesee Substation Expansion Project*
(February 2015)**

GENESEEE SUBSTATION EXPANSION PROJECT UPDATE

February 2015

On August 12, 2014, the Alberta Utilities Commission (AUC) approved the facility application of Capital Power Corporation for the construction of their Genesee Generating Units 4 and 5. To accommodate the development of these new generating units, the Alberta Electric System Operator (AESO) has directed EPCOR Distribution and Transmission Inc. (EDTI) to prepare a facility application for the expansion of the existing switchyard for EDTI's Genesee 330P substation, which is located adjacent to the Genesee generating units.

The expansion of the substation switchyard was described in materials distributed by Capital Power prior to their applying for their new facilities. But as a reminder, included here are drawings and information outlining the nature and scope of the switchyard expansion. EDTI's project would include:

- The substation will expand by approximately 200 metres to the east;
- The substation will contain four new 500 kV breakers and other associated equipment, surrounded by a chain link fence;
- The substation will have two short transmission lines connecting to the new generating units.
- No other transmission lines will be installed as a result of this project.
- If approved, EPCOR anticipates starting construction in mid-2015, subject to AUC approval, and finishing summer 2017

In addition to this information please find included for your consideration:

- The AESO Need overview detailing why this project is required;
- The AUC brochure Public Involvement in Needs or Facilities Applications
- A map outlining EDTI's substation and the proposed expansion of the facilities with relation to CPC's new Genesee units.

Your organization either owns land or holds an interest on land within 800 metres of EDTI's substation and you have been identified as the contact for your organization to best provide comment and express concerns if any exist.

Please review the information included and, at your earliest convenience, contact me to either express any comments/concerns or express that your organization does not have any concerns with the proposed EDTI switchyard expansion at Genesee 330P.

EDTI anticipates filing our facility application for this expansion in Q2 2015 and would appreciate you contacting us prior to March 6th, 2015 if you have questions or concerns.

If you have questions or want more information about this project please don't hesitate to call or email us:

Andrew Laycock

Specialist, Stakeholder Consultation
t: 780.412.3873
alaycock@epcor.com



GENESEEE SUBSTATION SWITCHYARD ADDITION



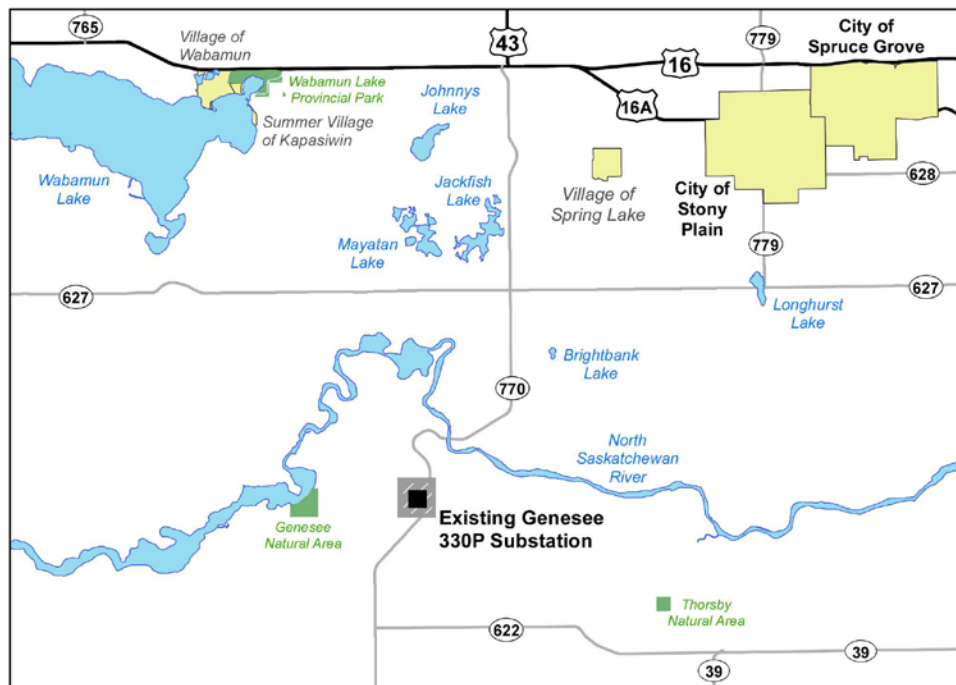
**Attachment 4 – AESO Public Notification of Regulatory Filing
(AESO Website Posting)**

AESO Public Notification of Regulatory Filing

Addressing the Need for the Capital Power Energy Centre Connection in the Edmonton Area

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Capital Power Energy Centre Connection with the Alberta Utilities Commission (AUC) on or after March 2, 2016.

Capital Power (G4) Limited Partnership and ENMAX Genesee LP have requested transmission system access for the proposed Capital Power Energy Centre which is comprised of two combined cycle generating units designated as Genesee #4 and Genesee #5. The request can be met by extending the existing Genesee 330P substation to add two new diameters between the buses, four new 500 kV breakers, and associated equipment.



The black square on the map indicates the approximate location of the Genesee 330P substation, which is at 10-25-50-3-W5. In a separate application called a Facility Application, EPCOR Distribution & Transmission Inc., the transmission facility owner (TFO) in the Edmonton area, will describe the specific upgrades to be performed and request AUC approval to construct and operate the specific transmission facility.

The AESO and the TFO presented this need to stakeholders, including residents, occupants and landowners, from February 2015 to February 2016. The AESO has considered feedback gathered from stakeholders, and technical and cost considerations, and will apply to the AUC for approval of the need for this transmission development. Once it is filed, the NID will be posted on the AESO website at <http://www.aeso.ca/transmission/31720.html>

Please visit our website, www.aeso.ca for more information, or contact the AESO at 1-888-866-2959 or stakeholder.relations@aeso.ca

**Attachment 5 – AESO Stakeholder Newsletter NID Filing
Notice**

Capital Power Energy Centre Connection in the Edmonton area – Notice of NID Filing

Capital Power (G4) Limited Partnership and ENMAX Genesee LP have requested transmission system access for the proposed Capital Power Energy Centre which is comprised of two combined-cycle generating units designated as Genesee #4 and Genesee #5. The request can be met by extending the existing Genesee 330P substation to add two new diameters between the buses, four new 500 kV breakers, and associated equipment.

The AESO intends to file the Capital Power Energy Centre Connection Needs Identification Document (NID) for approval by the Alberta Utilities Commission (AUC) on or after March 2, 2016.

The AESO has posted the public notification for its NID filing on its website for the Capital Power Energy Centre Connection. Please [click here](#) to view the document or visit the AESO website at www.aeso.ca and follow the path Transmission > Needs Identification Documents > Capital Power Energy Centre Connection to see all the relevant documents, including the NID once it is filed with the AUC.