

AESO PIP SUMMARY

1. Introduction

From August to December 2020, the AESO conducted a Participant Involvement Program (PIP) regarding the *Summerside Substation Upgrade*. The AESO directed the legal owner of transmission facilities (TFO), in this case EPCOR Distribution & Transmission Inc. (EPCOR), to assist the AESO in providing notification as part of the AESO's PIP.

The AESO's PIP is designed to notify the parties notified in the TFO's PIP and any other parties that the AESO determines may have an interest in the needs identification document, 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's PIP has been conducted in accordance with the requirements of Section 6.2.1, NID19 and Appendix A2 of the current Alberta Utilities Commission (Commission) Rule 007 (AUC Rule 007), effective August 1, 2019, as per the requirements of ISO Rule 501.3 Abbreviated Needs Approval Process.

2. Stakeholder Notification

The AESO developed a one-page AESO Need Overview document with the purpose of notifying 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 apply to the Commission for approval of the need.

A copy of the Need Overview was posted to the AESO website at <https://www.aeso.ca/grid/projects/summerside-substation-upgrade/> and a notice was published in the AESO Stakeholder Newsletter on August 25, 2020. Copies of the Need Overview posting and the AESO Stakeholder Newsletter notice have been included as Attachments 4.1 and 4.2, respectively. The Need Overview was also included with the TFO's project-specific information package that was distributed to Stakeholders, as further described in Section 2.1.

2.1 Stakeholders Notified in the TFO's PIP

The TFO has advised the AESO that its PIP included notification within 300 metres of the proposed substation upgrade, as recommended by the Commission in Appendix A1 of AUC Rule 007.¹

The TFO notified a total of approximately 62 Stakeholders, of which 50 were identified as private or individual landowners. The other 12 notified Stakeholders and the TFO's rationale for their inclusion in the PIP are listed in Table 2.

Table 2: Summary of Notified Agency and Industry Stakeholders Notified by the TFO

Stakeholder	TFO's Rationale for Inclusion in the PIP
AESO	Transmission System Operator
Alberta Infrastructure – Land Planning	Provincial requirements
AltaLink Management Ltd.	Substation owner in the project area
ATCO Gas & Pipelines	Pipeline owner in the project area
City of Edmonton	Municipal land use requirements
City of Edmonton – Councilor (Ward 12), Mohinder Banga	Elected Official for the City Ward
City of Edmonton – Mayor Don Iverson	Elected Official for the City of Edmonton
Ellerslie Community League	Special Interest Group
EPCOR	Distribution Facility Owner in the project area
MLA for Edmonton Ellerslie – Rod Loyola	Elected Provincial Representative for the Area
NAV Canada	Federal government agency
Transport Canada	Federal government agency

Attachment 4.3 includes the TFO's project newsletter, which was included with the AESO Need Overview in the TFO project-specific information package that was distributed to the Stakeholders described above between August 21 and September 28, 2020. The TFO's project newsletter and the AESO Need Overview were also posted on the TFO's project-specific webpage at <https://www.epcor.com/products-services/infrastructure/construction-projects/southeast-edmonton-capacity-increase-project/Documents/se-capacity-project-package-aug-2020.pdf> on August 20, 2020. The TFO's project 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.

3. Notification of ANAP Consideration

In December 2020, the AESO notified Stakeholders of its intention to consider the need for the Summerside substation upgrade to be approved under the AESO's Abbreviated Needs Approval Process, (ANAP) by posting a Notification of ANAP Consideration to the AESO website at <https://www.aeso.ca/grid/projects/summerside-substation-upgrade/> and a publishing notice in the AESO Stakeholder Newsletter on December 15, 2020. Copies of the Notification of ANAP Consideration posting and the AESO Stakeholder Newsletter notice have been included as Attachments 4.4 and 4.5, respectively.

¹ EPCOR has identified its facility application to be of the type: *Overhead transmission line or underground line and/or new substation and /or substation upgrades and /or minor transmission line replacements within the original right-of-way-urban*, as categorized in AUC Rule 007, Appendix A1, Section 5.

4. 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). The AESO Need Overview included this contact information, along with the AESO's mailing address (2500, 330 5th Ave. SW, Calgary) and website address (www.aeso.ca), and a privacy statement that described how the AESO is committed to protecting Stakeholders' privacy.

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.

5. Concerns and Objections Raised

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

6. List of Attachments

- Attachment 4.1 – AESO Need Overview (August 2020)
- Attachment 4.2 – AESO Stakeholder Newsletter Need Overview Notice (August 25, 2020)
- Attachment 4.3 – TFO Project Newsletter – *Southeast Edmonton Capacity Increase Project* (August 2020)
- Attachment 4.4 – AESO Public Notification of ANAP Consideration Website Posting (December 2020)
- Attachment 4.5 – AESO Stakeholder Newsletter Notice of ANAP Consideration (December 15, 2020)

Attachment 4.1 – AESO Need Overview (August 2020)

Need for the Summerside Substation Upgrade in the City of Edmonton area

EPCOR Distribution & Transmission Inc. (EPCOR) has applied to the Alberta Electric System Operator (AESO) for transmission system access to reliably serve growing demand for electricity in the City of Edmonton area. EPCOR's request can be met by the following solution:

PROPOSED SOLUTION

- Upgrade the existing Summerside substation, including adding one 240/25 kilovolt (kV) transformer and one 240 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- The AESO intends to consider the need for this project for approval under section 501.3 of the ISO rules, Abbreviated Needs Approval Process (ANAP Rule) in late 2020.
- A minimum of 14 days prior to the project being considered under the ANAP Rule, the AESO will notify stakeholders and post supporting documents on the AESO's website at www.aeso.ca/stakeholder-engagement/transmission-projects.
- If the AESO does not approve the need for this project under the ANAP Rule, the AESO may submit a needs identification document (NID) application to the Alberta Utilities Commission (AUC) for approval of the need for this project.

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.

EPCOR

- Is the transmission facility owner in the City of Edmonton area.
- Is responsible for detailed siting and routing, constructing, operating and maintaining the 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.

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.

CONTACT US

Alberta Electric System Operator

AESO Stakeholder Relations
stakeholder.relations@aeso.ca
1-888-866-2959

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

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

Attachment 4.2 – AESO Stakeholder Newsletter Need Overview Notice (August 25, 2020)



August 25, 2020

AESO Stakeholder Newsletter

> STAKEHOLDER ENGAGEMENT

Changes to the AESO Connection Process: stakeholder session overview & registration details

On the morning of September 10, 2020, the AESO will be hosting a stakeholder information session to provide an overview of changes to the Connection, Behind the Fence (BTF) and Contract Processes resulting from the Amended 2018 ISO Tariff Application. We will also review the changes to the BTF Process following the November 2019 stakeholder session. Additionally, the session will include an overview of and request for feedback on proposed improvements to the AESO Connection Project List. The presentation and agenda will be provided to registered parties closer to the session.

For registration details and associated materials related to the stakeholder session, please [click here](#) or visit the AESO website at www.aeso.ca and follow the path Stakeholder Engagement > AESO Initiatives > Grid > Connection Process stakeholder session.

Optimizing the Transmission system stakeholder session overview & registration details

On the morning of September 15, 2020, the AESO will be hosting a stakeholder information session to share an overview of the enhanced approach that the AESO is utilizing to optimize the transmission grid in Alberta. Stakeholders can expect to gain an understanding of what transmission optimization means and how the AESO utilizes optimization for projects.

Included in this session, the AESO will provide an overview of the following topics:

- Create awareness of tools the AESO is employing to optimize and efficiently utilize transmission system capability
- Create understanding of the AESO's use of milestones

- Understand the concept of congestion, and how it is measured
- Understand how the AESO utilizes congestion assessments
- Create awareness of the AESO's planning approach and the use of Section 15(2) Exception Applications

For registration details and associated materials related to the stakeholder session, please [click here](#) or visit the AESO website at www.aeso.ca and follow the path Stakeholder Engagement > AESO Initiatives > Grid > Optimizing the Grid stakeholder session.

RULES, STANDARDS AND TARIFF

Alberta Reliability Standards – 2020 - 2022 CIP Audit Schedule

The AESO has posted a revised 2020 – 2022 CIP Audit Schedule. To download the schedule please [click here](#) or visit the AESO website at www.aeso.ca and follow the path Rules, Standards and Tariff > Compliance > Alberta Reliability Standards Compliance > Compliance monitoring audits. Please direct any questions regarding the changes to rscompliance@aeso.ca.

Notice of Application – Application for Approval of Proposed Amended Section 305.1 of the ISO Rules, *Energy Emergency Alerts* (“Section 305.1”)

On August 21, 2020, the AESO filed an application for Alberta Utilities Commission (“AUC”) approval of amended Section 305.1 pursuant to Section 20.2 of the *Electric Utilities Act* and Section 7 of AUC Rule 017.

The application and all associated appendices can be viewed under Proceeding #25814 on the eFiling section of the AUC website. Click [here](#) to create a new account or log in to eFiling.

Please contact rules_comments@aeso.ca with any questions.

Notice of Application – Application for Approval of Proposed removal of existing Operating Policies and Procedures – OPP 804, *Off-Nominal Frequency Load Shedding and Restoration* (“OPP 804”)

On August 21, 2020, the AESO filed an application for Alberta Utilities Commission (“AUC”) approval of pursuant to Section 20.2 of the *Electric Utilities Act* and Section 7 of AUC Rule 017.

The application and all associated appendices can be viewed under Proceeding #25815 on the eFiling section of the AUC website. Click [here](#) to create a new account or log in to eFiling.

Please contact rules_comments@aeso.ca with any questions.

Forwarding Notice – Proposed new, retirement of existing standards and to not adopt North American Electric Reliability Corporation (“NERC”) standard

On August 21, 2020, the AESO forwarded a Forwarding Notice regarding new, retirement of existing standards and to not adopt NERC standard to the Alberta Utilities Commission (AUC) pursuant to Section 19 of the *Transmission Regulation*. The Forwarding Notice was posted on the AESO website on August 21, 2020.

Proposed new, retirement of existing standards and to not adopt NERC standard is proposed to become effective on January 1, 2022 or such other later date as the Commission approves as an effective date for the EOP&C Project. The AESO is recommending that the proposed not to adopt NERC PRC-024-2 become effective upon approval by the Commission.

Please [click here](#) to view the Forwarding Notice, or visit the AESO website at www.aeso.ca and follow the path Stakeholder engagement > Rules, Standards and Tariff consultations> Proposed new, retirement of existing standards and to not adopt North American Electric Reliability Corporation (“NERC”) standard.

GRID

AESO publishes Energy Storage stakeholder feedback and updated 2020 Plan for Energy Storage Roadmap Integration Activities

The AESO has published the stakeholder feedback it received on the Energy Storage Industry Learnings Forum (ESILF) Kick-off Session. To view the ESILF stakeholder comment matrix, please [click here](#). The AESO has also published an updated version of the 2020 Plan for Energy Storage Roadmap Integration Activities, including an updated Activities Schedule. To view the updated plan [click here](#) and schedule [click here](#), or visit the AESO website at www.aeso.ca and follow the path Grid > Energy Storage.

Summerside Substation Upgrade – Need for Transmission Development in the City of Edmonton area

EPCOR Distribution & Transmission Inc. (EPCOR) has applied to the AESO for transmission system access to reliably serve growing demand for electricity in the City of Edmonton area. EPCOR's request can be met by the following solution:

- Upgrade the existing Summerside substation, including adding one 240/25 kilovolt (kV) transformer and one 240 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 and follow the path Stakeholder Engagement > Transmission Projects > Summerside Substation Upgrade.

MARKET

REMINDER: New Enhancements for MARGO Public

The AESO has posted a notice regarding new enhanced graphical user experience for the MARGO Public application effective September 9, 2020. A preview will be available by request from August 20 to September 8, 2020. Please submit the preview registration form by August 14, 2020.

The AESO is also happy to announce that it will be releasing an application programming interface (API) for the new MARGO Public application. The release date will be announced once a date has been finalized.

To view the full notice, please click [here](#) or visit the AESO website at www.aeso.ca and follow the path Market > Market updates.

REMINDER: Request for Expressions of Interest for Load Shed Services for Imports

The AESO is planning a competition to procure Load Shed Services for Imports (LSSi) for the service period starting in 2022. The AESO anticipates launching the competition on Wednesday, Sept. 17, 2020, starting with a Request for Expressions of Interest (REOI) stage.

Save the Date – The AESO is planning an interactive information session via webinar on **Wednesday, Sept. 23, 2020** to discuss the upcoming competition and answer questions from interested parties.

The REOI is non-binding for all respondents and will close on Wednesday, Oct. 7, 2020, with the Request for Proposals (RFP) stage anticipated to open in late Oct. 2020.

Please click [here](#) view more information and to register for the Information Session, or visit the AESO website at www.aeso.ca and follow the path Market > Ancillary services > Load Shed Services for imports.



REMINDER: Request for Stakeholder Feedback on 2021 BRP Proposed Business Initiatives

The AESO hosted its 2021 Budget Review Process (BRP) Proposed Business Initiatives Session 1 on Aug. 11, 2020. We value stakeholder feedback and invite all interested stakeholders to provide their input on Session 1 and the proposed business initiatives via the questions set out in the **Stakeholder Comment Matrix 2021 BRP Proposed Business Initiatives on or before August 27, 2020.**

To view the comment matrix and associated materials please click [here](#) or visit the AESO website at www.aeso.ca and follow the path AESO > About the AESO > Business planning and financial reporting > Business plan and budget > 2021.

If you have any questions or concerns, please contact us at stakeholder.relations@aes0.ca.

Our mailing address is:

Alberta Electric System Operator 2500, 330 - 5th Avenue SW Calgary, AB T2P 0L4 Canada

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**Attachment 4.3 – TFO Project Newsletter – Southeast Edmonton Capacity Increase Project
(August 2020)**



PROJECT NOTICE

Southeast Edmonton Capacity Increase Project

AUGUST 2020

Through this notice, we are advising landowners, occupants and residents in your neighbourhood about plans to modify the existing Summerside Substation (located at 440 - 66 Street SW, Edmonton).

WHAT DOES THE PROJECT INVOLVE?

Upgrades are necessary at the Summerside Substation to reliably serve growing demand for electricity in southeast Edmonton. The required work includes adding one 240/25 kV transformer and one 240 kV circuit breaker; and adding or modifying associated equipment as required for the above transmission development. All of the planned work will take place within the existing fenced boundary of the Summerside Substation.

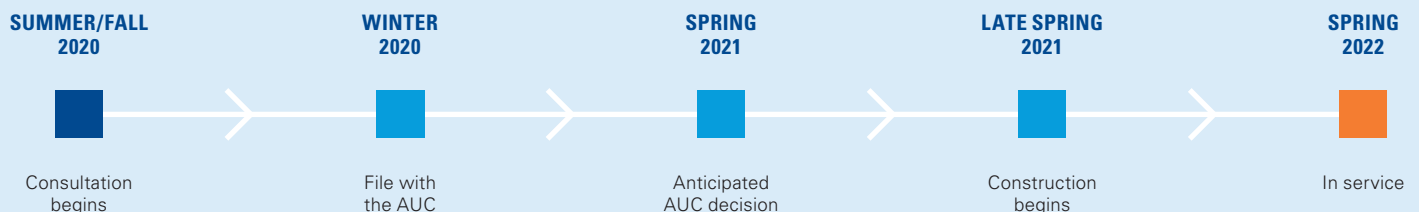
WHAT IS A SUBSTATION AND TRANSFORMER?

A substation is a part of the electrical system that connects two or more power lines. The Summerside Substation converts electricity from higher voltage power lines (transmission lines) to lower voltages that can be safely distributed to homes and businesses in the area. This conversion is done using a transformer.

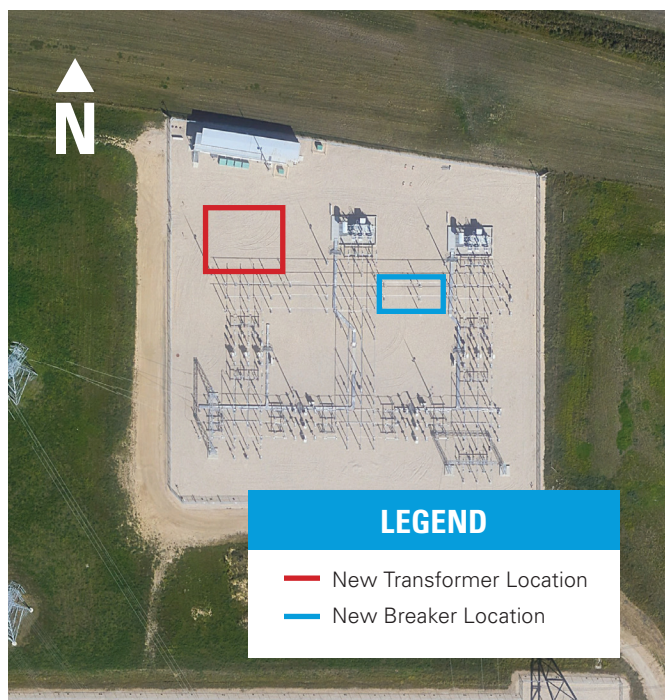
PROPOSED SCHEDULE

EPCOR plans to submit the required application for this project to the Alberta Utilities Commission (AUC) in winter 2020. If approved, we anticipate construction will start late spring 2021, and is expected to finish by spring 2022. While EPCOR intends to move ahead with this project, timelines for this work are subject to change as we navigate developments associated with COVID-19.

SOUTHEAST EDMONTON CAPACITY INCREASE PROJECT TIMELINE



SUMMERSIDE SUBSTATION SITE LAYOUT



WHAT TO EXPECT DURING CONSTRUCTION

Construction Noise

The work will create typical noise associated with construction. We will comply with the City of Edmonton's Community Standards Bylaw for Noise Control. If it's necessary to temporarily exceed acceptable noise levels, we will work with the City of Edmonton to obtain the necessary permits.

Hours of Construction

We anticipate our hours of work for this project to be Monday to Friday from 7:30 a.m. to 5:00 p.m.; however, occasional evening and weekend work may be required.

Road Closures

We will work diligently to reduce possible impacts and provide those affected by construction with more detailed information prior to any work starting.

Power Supply

No interruptions to power services are anticipated as a result of this project.

Work Space

All work areas will be safe and secure. All construction activities will be in accordance with the City of Edmonton bylaws, Occupational Health and Safety requirements and our strict health, safety and environment program. We do not anticipate any adverse environmental impacts associated with this project.

ABOUT THE 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. If you have any questions or concerns about the need for this project or the proposed transmission development to meet the need you may contact the AESO directly.

You can also make your questions or concerns known to an EPCOR 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.

Alberta Electric System Operator (AESO)

Phone: 1-888-866-2959

Email: stakeholder.relations@aes0.ca

Website: www.aeso.ca

ABOUT THE ALBERTA UTILITIES COMMISSION

Alberta's electrical system is regulated by the AUC. The AUC is an independent quasi-judicial agency that ensures that the delivery of Alberta's utility services takes place in a manner that is fair, responsible and in the public interest.

The AUC must approve this project before EPCOR can begin work. For more information about how you can participate in the regulatory process, please refer to the enclosed AUC brochure, *Participating in the AUC's independent review process*, or visit the AUC website:

www.auc.ab.ca/pages/review-process-steps.aspx

Contact the AUC

Toll-free: 1-833-511-4282

Phone: 310-4282

Website: www.auc.ab.ca/pages/default.aspx

PARTICIPATE IN THE PROCESS

Community input and involvement is an important part of our decision-making. If you have any questions or would like to provide input on the project, please contact us:

Phone: 780-412-4040

Email: consultation@epcor.com

Website: epcor.com/consultation

Please also see enclosed AUC brochure: *Participating in the AUC's independent review process*.



EPCOR respects your right to privacy. Any personal information we collect about you, including your name, address, phone number and e-mail address will only be used in regards to this project. For more information, please see EPCOR's Privacy Policy at epcor.com.

**Attachment 4.4 – AESO Public Notification of ANAP Consideration Website Posting
(December 2020)**

Notification of the AESO's intention to consider the Need for the Summerside Substation Upgrade for approval under the AESO's Abbreviated Needs Approval Process

The Alberta Electric System Operator (AESO) intends to consider the need for the Summerside Substation Upgrade (Project) for approval under Section 501.3 of the ISO rules, *Abbreviated Needs Approval Process*, (ANAP Rule) on or after January 10, 2021.

EPCOR Distribution & Transmission Inc. (EPCOR) has applied to the AESO for transmission system access to reliably serve growing demand for electricity in the City of Edmonton area. EPCOR's request can be met by the following solution:

- Upgrade the existing Summerside substation, including adding one 240/25 kilovolt (kV) transformer and one 240 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.



The black square on the map indicates the approximate location of the existing Summerside substation, which is at NW-27-5'-24W4.

EPCOR is the transmission facility owner (TFO) in the City of Edmonton area. In August 2020, the AESO and the TFO began notifying stakeholders, including residents, occupants, and landowners of this need for the Project.

The AESO intends to consider for approval the need for the Project under the ANAP Rule on or after January 10, 2021. If stakeholders have any questions or concerns, please contact the AESO before this date.

The AESO may consequently approve the need for the Project under the ANAP Rule or, if the AESO does not approve the need, may submit a needs identification document (NID) application to the Alberta Utilities Commission (AUC). The TFO will file an application to the AUC requesting approval to construct and operate the specific facilities associated with the transmission development.

Supporting information for this Project can be found on the AESO website at <https://www.aeso.ca/grid/projects/summerside-substation-upgrade/>. If approved, the ANAP Approval Letter will also be posted on the AESO website. For more information, please visit our website, www.aeso.ca or contact us at 1-888-866-2959 or stakeholder.relations@aeso.ca.

Attachment 4.5 – AESO Stakeholder Newsletter Notice of ANAP Consideration (December 15, 2020)

December 15, 2020

AESO Stakeholder Newsletter

GRID

Summerside Substation Upgrade – Notice of Intention to Consider For Approval Under the AESO’s Abbreviated Needs Approval Process

EPCOR Distribution & Transmission Inc. (EPCOR) has applied to the AESO for transmission system access to reliably serve growing demand for electricity in the City of Edmonton area. EPCOR’s request can be met by the following solution:

- Upgrade the existing Summerside substation, including adding one 240/25 kilovolt (kV) transformer and one 240 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments

The AESO intends to consider the Need for the Summerside Substation Upgrade for approval under Section 501.3 of the ISO rules, *Abbreviated Needs Approval Process* (ANAP Rule) on or after January 10, 2021.

The AESO may consequently approve the need for the Summerside Substation Upgrade under the ANAP Rule or, if the AESO does not approve the need, may submit a needs identification document (NID) application to the Alberta Utilities Commission (AUC).

The AESO has posted a Notification of Intention to Consider for Approval under ANAP on its project-specific webpage. Please click [here](#) to view the project-specific webpage or visit the AESO website at www.aeso.ca and follow the path Grid > Projects > Summerside Substation Upgrade to see all the relevant documents, including the ANAP Approval Letter, if approved, or the NID application.