

1. Introduction

From January 2023 to November 2023, the AESO conducted a Participant Involvement Program (PIP) to assist in preparing its *City of Edmonton Transmission Reinforcement (CETR) Needs Identification Document* (NID) Application. The AESO directed the legal transmission facility owner (TFO), in this case EPCOR Distribution and Transmission Inc., to assist the AESO in providing notification as part of the AESO's PIP.

The AESO's PIP is designed to notify Stakeholders and Indigenous groups in the area where the AESO has reasonably determined that facilities could be installed to implement the AESO's preferred option to respond to the need for transmission development.

The AESO's PIP has been conducted in accordance with the requirements of Section 7.1.1, NID 6 and Appendix A2 of the current Alberta Utilities Commission (Commission) Rule 007 (AUC Rule 007), effective April 25, 2022.

2. Stakeholder and Indigenous Group Notification

2.1 AESO Notification Materials & Channels

The AESO developed a two-page AESO Newsletter titled *Information for Stakeholders | City of Edmonton Transmission Reinforcement Project* (AESO Newsletter) with the purpose of notifying Stakeholders and Indigenous groups of the following items:

- a description of the existing transmission system and the need for enhancements;
- a description of the AESO's preferred solution to meet the need;
- identification of the general area where transmission facilities may be modified, or new transmission facilities may be located;
- the respective roles of the AESO and TFO;
- contact information, including telephone, email and website, for further information; and,
- the AESO's next steps, including filing and sharing the NID on the AESO's website.

A copy of the AESO Newsletter was posted on the AESO website's dedicated CETR project page at <https://www.aeso.ca/grid/transmission-projects/city-of-edmonton-transmission-reinforcement-7078/> or www.aeso.ca > Grid > Transmission Projects > City of Edmonton Transmission Reinforcement-7078 (Attachment 1) on January 5, 2023. A notice announcing the need for CETR was published in the AESO Stakeholder Newsletter, with a link to the CETR project page, on January 10, 2023. Copies of the AESO Newsletter and the AESO Stakeholder Newsletter notice have been included as Attachments 2 and 3, respectively.

2.2 TFO Notification Materials & Channels

The TFO's project newsletter, provided as Attachment 4, includes AESO contact information, a description of the AESO's role, a reference to the AESO Newsletter, and an invitation to contact the AESO for additional information. The TFO also has a project-specific webpage at <https://www.epcor.com/products-services/infrastructure/construction-projects/coe-transmission-reinforcement-project/Pages/default.aspx>, or www.Epcor.com/CETR, which includes information about the AESO and AESO contact information (Attachment 5).

The AESO Newsletter was included with the TFO project-specific information packages that were distributed to Stakeholders, as further described in the following Section 2.3.

2.3 Stakeholder Notification

2.3.1 *Occupants, Residents & Landowners*

The City of Edmonton Transmission Reinforcement Project notification materials included stakeholders in the northeastern part of the City of Edmonton. The TFO advised the AESO that its PIP included notification to stakeholders selected for the type of facility application specified in AUC Rule 007, Appendix A1, Table A1-1: “Participant involvement program overhead or underground transmission line and/or new substation development and/or substation upgrades and/or minor transmission line replacements within the original right-of-way – urban.”

The TFO conducted its notification via postal code delivery, direct mail, and/or personal notifications to stakeholders defined in Appendix A1-1 of AUC Rule 007, including occupants, residents and landowners within the first row of development surrounding the proposed project. Their comprehensive information package included the AESO’s newsletter.

The postal code delivery of the notifications was initiated on January 9, 2023; AESO newsletters continue to be provided to stakeholders as part of the TFOs information package (provided to stakeholders who may newly reside or have an interest in the project area).

2.3.2 *Indigenous Groups*

Two Indigenous groups identified in the Landscape Analysis Indigenous Relations Tool (LAIRT) report were notified, as directed by the Government of Alberta’s Aboriginal Consultation Office and to fulfil notification requirements as specified in AUC Rule 007, Appendix A1, Table A1-1. The AESO delivered a cover letter and information package via email to the following Indigenous communities:

- Enoch Cree Nation
- Paul First Nation

The AESO’s cover letters are included as Attachment 6. The accompanying information package contained copies of the previously noted AESO Newsletter (Attachment 1), along with AESO fact sheets, which are included as Attachment 6.1. Follow-up calls were placed to confirm receipt of the letter and information package, and extend an offer to respond to any questions about the need for the project. No questions or concerns were identified.

Additionally, the AESO’s newsletter was included in the TFO’s mail-out to 32 Indigenous Nations and Communities as part of their Project-Specific Information Package.

2.3.3 *Municipal Government (City of Edmonton)*

Between January 20, 2023, and February 3, 2023, the TFO scheduled meetings with City of Edmonton Councillors whose constituents are in the project area, representing the following the Wards:

- Ward Dene
- Ward Métis
- Ward tastawiyiniwak
- Ward Anirniq

The AESO participated in these meetings to discuss the project need, and provide the AESO’s CETR project newsletter and the AESO’s PowerPoint slides, which are included as Attachment 7.

2.3.4 Provincial Government

In January 2023, the AESO sent emails to the MAU and the MLAs representing constituents in the project area to provide an overview of the AESO’s role, a summary of the project, information about the TFOs’ virtual consultation forums (in which AESO representatives participated), and a link to the TFO’s project page on their web site. A copy of the AESO Newsletter (Attachment 1) was included with the email. A copy of the text of the email sent to the MAU and MLAs is included as Attachment 4. Specifically, the AESO contacted:

- Ministry of Affordability & Utilities (MAU)
- Members of the Legislative Assembly (MLAs)
 - Edmonton–Beverly–Clareview
 - Edmonton–Decore
 - Sherwood Park
 - Edmonton Highlands–Norwood

2.3.5 TFO Open Houses (Virtual Question & Answer Sessions)

The TFO hosted two Virtual Question & Answer (Q&A) Sessions, at which AESO representatives were available to discuss the need for the project and answer questions.

Date	Time	Stakeholder Participants
January 31, 2023	12:00 p.m.	16
February 2, 2023	7:00 p.m.	14

Over 87 questions were asked between both sessions; six of those questions were about the project need. In addition to answering the questions live at the session, the AESO provided written responses, which can be found on the TFO’s CETR project website here under [CETR Questions and Answers Summary | EPCOR](#). A copy of the TFO CETR website is included as Attachment 9, and the AESO’s responses to questions are included as Attachment 9 1.

3. Questions and Concerns Raised

In total, the AESO received eight stakeholder inquiries, including: four emails, one phone call and three telephone referrals from the TFO. Stakeholders advised their interests included:

- Transmission line routes (desire to avoid specific neighbourhoods and freeway corridor)
- Preference for underground versus overhead transmission lines
- Additional engagement with the TFO

The AESO followed up with these stakeholders, acknowledging their inquiries, and asking them to confirm if they had any questions or concerns about the need for the project (they did not). They were advised to refer their questions or concerns related to routing, transmission line overhead/underground management, and TFO engagement to the TFO for management. TFO stakeholder relations contact information was provided and the TFO was informed about their inquiries.

Three stakeholders were referred to the AESO by the TFO, advising that they had questions or concerns about the need. The AESO followed up with two who had provided a telephone number: one advised that the TFO had answered questions to his satisfaction, the other did not respond to the message left by the AESO, and the third, who did not provide contact information, did not follow up with the AESO.

Six additional stakeholder questions related to need were directed to the AESO during the TFO's Virtual Question & Answer sessions (refer to Section 2.3.5) and addressed by the AESO verbally during the session, and again in writing on the TFO's website following the sessions.

The TFO has advised the AESO that notified stakeholders have not identified any concerns or objections regarding the AESO's preferred option to respond to the need for transmission development.

At the time of filing the NID Application, the AESO has not received any further indication of concerns or objections about the AESO's preferred option to respond to the need for transmission development.

4. Responding to Questions and Concerns

To ensure that Stakeholders and Indigenous groups have an opportunity to provide feedback, the AESO has a dedicated, toll-free Stakeholder Relations telephone line (1-888-866-2959) and a dedicated email address (stakeholder.relations@aeso.ca). AESO contact information, along with the AESO's mailing address (2500, 330 5th Ave. SW, Calgary), website address (www.aeso.ca), and a statement that describes how the AESO is committed to protecting Stakeholders' privacy, is included in the CETR newsletter.

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

5. Notification of Filing

5.1 AESO Website & Stakeholder E-Newsletter

On November 22, 2023, the AESO notified Stakeholders and Indigenous groups of its intention to apply to the Commission for approval of the need for the City of Edmonton Transmission Reinforcement. A copy of the Notification of Filing was published on the AESO website at <https://www.aeso.ca/grid/transmission-projects/city-of-edmonton-transmission-reinforcement-7078/> and a notice was included in the AESO Stakeholder Newsletter, published on November 22, 2023. Copies of the Notification of Filing published on the website and in the AESO Stakeholder Newsletter have been included as Attachments 10.1 and 10.2 respectively.

5.2 Email

On November 24, 2023, emails with a link to the Notification of Filing was sent to Stakeholders and Indigenous groups engaged during the AESO's PIP process. Copies of the text of the emails are included as Attachment 10.3.

5.3 TFO Postcard

The TFO distributed a postcard in late November 2023 to Stakeholders and Indigenous groups via postal code and direct mail, advising that:

- updated project information would be available in spring 2024;
- the NID and Facility Applications were going to be filed sequentially rather than concurrently; and,
- the AESO would be filing its NID application at the end of 2023/beginning of 2024.

A copy of the TFO postcard is included as Attachment 10.4.

6. List of Attachments

- Attachment 1 – AESO CETR Website Project Overview (January 5, 2023)
- Attachment 2 – AESO CETR Newsletter (January 2023)
- Attachment 3 – AESO Stakeholder Newsletter (January 10, 2023)
 - Project Notice – CETR Need Overview
- Attachment 4 – TFO CETR Newsletter (January 2023)
- Attachment 5 – TFO CETR Website Project Overview & AESO Information (January 2023)
- Attachment 6 – AESO Indigenous Information Packages Cover Letters (January 17, 2023)
 - Attachments 6.1 – Fact Sheets
 - Planning a safe, reliable electricity grid
 - The basics of electricity transmission
- Attachment 7 – AESO/TFO Municipality Presentation
- Attachment 8 – AESO Email to MAU and MLAs (January 18, 2023)
- Attachment 9 – TFO CETR Questions and Answers Summary Website
 - Attachment 9.1 – AESO Responses to Need Questions
- Attachment 10 – Notifications of Filing (November 22, 2023)
 - Attachment 10.1 – AESO Public Notification of Filing Website Posting
 - Attachment 10.2 – AESO Stakeholder Newsletter Notification of Filing
 - Attachment 10.3 – Email Notification of Filing to Stakeholders
 - Attachment 10.4 – TFO Postcard

Attachment 1 | AESO Website CETR Project Overview (January 5, 2023)

< Grid

About the Grid ▾

Connecting to the Grid ▾

Transmission Projects ^

Connection Project Reporting

System Project Reporting

Competitive Process ▾

Grid-Related Initiatives ▾

Grid Planning ▾

< View all projects

City of Edmonton Transmission Reinforcement (7078)

Transmission system reinforcement is needed in the northeast area of the City of Edmonton to reliably serve the growing demand for electricity in the area. In addition, EPCOR, the transmission facility owner in Edmonton, has identified a need to replace aging infrastructure.

To maintain reliability, the AESO is proposing to add a 240 kilovolt (kV) substation near the existing Clover Bar substation and connect it to the existing 240 kV transmission line 915L. Additionally, two 72 kV transmission lines will be added to connect the new substation to the existing Namao substation. The Namao substation will be modified, and the existing Kennedale substation will be decommissioned along with other aging transmission infrastructure in the area.

While the AESO is responsible for identifying the need for transmission reinforcement and the proposed solutions to meet that need, EPCOR is responsible for substation and transmission line locations, structure types and related upgrades. Please visit EPCOR's website at www.epcor.com/CETR for further information.

Please see the document(s) below for more information.

Key Documents

- [CETR Need Overview Newsletter | January 2023](#) [Posted: Jan. 9, 2023]

Contact Us

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

Attachment 2 | AESO Newsletter (January 2023)



The transmission system in your area needs improvement

CITY OF EDMONTON TRANSMISSION REINFORCEMENT PROJECT

- *The **Alberta Electric System Operator (AESO)** plans and operates Alberta's electric transmission system. We study the transmission system to determine what future upgrades and expansions will be needed to continue to serve the province's growing power demands, and enable access to generators and other qualified customers. The AESO is regulated by, and must apply to, the Alberta Utilities Commission (AUC) for approval of our Needs Identification Document Application, in which we must demonstrate the need for an expansion or enhancement to the transmission system, and propose a transmission solution to meet that need.*

TRANSMISSION REINFORCEMENT IS NEEDED IN THE CITY OF EDMONTON TO RELIABLY SERVE THE GROWING DEMAND FOR ELECTRICITY AND TO REPLACE AGING TRANSMISSION INFRASTRUCTURE.

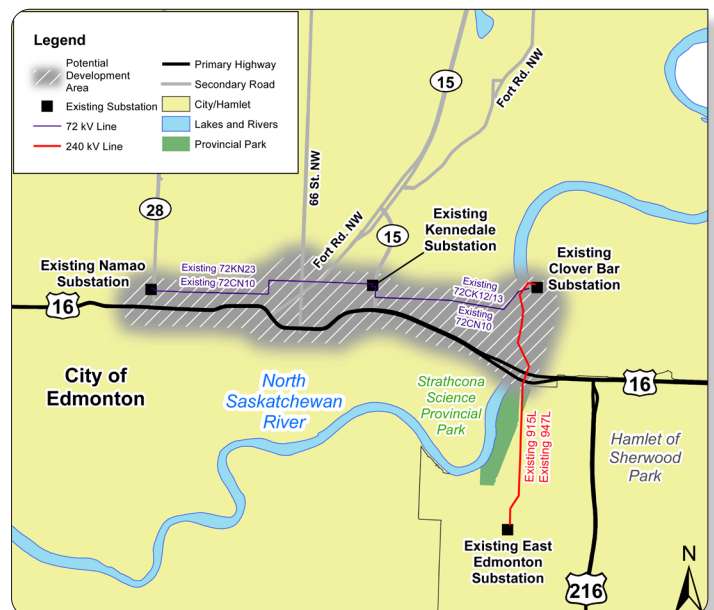
EXISTING TRANSMISSION SYSTEM

The City of Edmonton is primarily served by 72 kV and 240 kV transmission systems: while the 72 kV system primarily delivers electricity to the inner city, the 240 kV system primarily serves the suburbs along Anthony Henday Drive. The higher-voltage lines carry power produced by generation facilities, such as natural gas plants and wind farms, to the city. Substations are then used to transform power to a lower voltage so it can be distributed to homes and businesses.

THE NEED

The AESO has identified a need to enhance the transmission system in the area of northeast Edmonton highlighted in the map. The 72 kV transmission system serving the area is reaching capacity. Soon the system will be unable to reliably serve the growing demand for electricity in the area. In addition, EPCOR, the transmission facility owner in the City of Edmonton, has identified a need to replace aging oil-filled cables connected to the Kennedale and Namao substations.

Potential Development Area





WHAT IS THE PROPOSED SOLUTION?

The AESO is proposing the following transmission infrastructure to meet the need:

- Add a new substation, which will be connected to the existing 240 kV transmission line near the existing Clover Bar substation
- Add two new 72 kV transmission lines—approximately 6 km in length—to connect the new substation to the existing Namao substation
- Modify the Namao substation to accommodate the new 72 kV transmission lines
- Decommission the existing Kennedale substation and four existing 72 kV cables connecting Clover Bar, Kennedale, and Namao

WILL YOU BE AFFECTED?

If you are receiving this information, you live or operate your business in an area where existing transmission facilities may be modified, or new transmission facilities may be located. Please review EPCOR's information about the proposed location of the required facilities. As the transmission facility owner in the City of Edmonton, identifying specific locations where facilities may be constructed or modified is EPCOR's responsibility.

NEXT STEPS

The AESO anticipates filing a Needs Identification Document (NID) Application for the City of Edmonton Transmission Reinforcement (CETR) project with the AUC in late 2023. Once the NID Application has been filed, it will be shared on our website at www.aeso.ca/grid/transmission-projects/CETR. EPCOR will file their Facility Application for CETR with the AUC concurrent with the AESO's NID Application.

AESO AND TFO ROLES

The AESO operates the provincial transmission system so that all Albertans can count on safe and reliable electricity to power our homes and businesses each and every day. We carefully plan transmission upgrades and expansions to keep up with Alberta's growing demand for power.

Transmission facility owners (TFOs) are companies that build, operate and maintain the transmission system in our province. While the AESO is responsible for identifying the need for transmission development and the proposed transmission development to meet that need, TFOs are responsible for detailed siting and routing, constructing, operating and maintaining the associated transmission facilities within their service territories.

The City of Edmonton's TFO, EPCOR, owns and operates the transmission infrastructure and will be responsible for applying to the Alberta Utilities Commission (AUC) for approval of the transmission lines and substations. In preparing their Facility Application, EPCOR will be consulting with stakeholders about the substations, transmission line locations and structure types and related upgrades. They will finalize their proposed plans based on public input.

QUESTIONS?

At the AESO, we operate on behalf of you and all Albertans. We value the opportunity to listen to your comments and answer your questions about the need for the proposed transmission reinforcement prior to approval.

Please contact AESO Stakeholder Relations at stakeholder.relations@aeso.ca or 1-888-866-2959

The AESO is committed to protecting your privacy.

The feedback, comments and contact information you choose to submit is being collected by the AESO to respond to your inquiries and/or to provide you with further information. This information is collected in accordance with Section 33(c) of the Freedom of Information and Protection of Privacy Act (FOIP).

If you have any questions about the collection or use of this information, please contact the Manager, FOIP and Records Management, 2500, 330 – 5th Ave. SW, Calgary, Alberta, T2P 0L4 or by telephone at 403-539-2528. If you choose to communicate by email, please note that email is not a secure form of communication. Security of your communication while in transit cannot be guaranteed.

Attachment 3 | AESO Stakeholder Newsletter Notice (January 10, 2023)

January 10, 2023

AESO Stakeholder Newsletter

➤ GRID

REMINDER: Forecasting Insights | 2023 LTO – Seeking Stakeholder Input

The AESO is kicking off the 2023 Long-term Outlook (LTO) engagement process by seeking initial written feedback from interested stakeholders on their perspectives as it relates to the proposed scope and input assumptions of the 2023 LTO analysis **on or before Jan. 20, 2023**.

To view the comment matrix, please [click here](#) or visit the AESO website at www.aeso.ca and follow the path: AESO Engage (found on very top navigation bar) > Forecasting Insights > Stakeholder Feedback.

City of Edmonton – Need for Transmission Reinforcement

The AESO has identified a need to reinforce the transmission system in the northeast area of the City of Edmonton. EPCOR, the transmission facility owner in the City of Edmonton, has also identified a need to replace aging infrastructure in the area.

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: Grid > Projects > City of Edmonton Transmission Reinforcement (7078).

Attachment 4 | TFO CETR Newsletter (January 2023)

City of Edmonton Transmission Reinforcement Project

JANUARY 2023

EPCOR is responsible for building, maintaining, and upgrading the electrical transmission and distribution systems in Edmonton. New transmission development is being proposed for your area to provide long-term reliable electricity and replace aging infrastructure in this part of the city.

PROJECT INFORMATION

Electrical grids rely on transmission lines to transport power from substation to substation. Substations convert electricity from higher voltage power lines (transmission lines) to lower voltages that can be safely distributed to homes and businesses in the area through distribution lines. The Alberta Electric System Operator (AESO) has identified a need to reinforce the electrical system and replace aging infrastructure in your area. To meet this need, the AESO has directed EPCOR to prepare a Facility Application for this proposed transmission development. This will ensure that EPCOR can continue to provide safe and reliable power to Edmontonians.

This project will include:

- Construction of a new substation
- Construction of approximately 6 km of new above ground 240 kV double circuit transmission line
- Construction of approximately 6 km of new above ground 72 kV double circuit transmission line
- Decommissioning the existing Kennedale Substation (located at 5035 – 129 Avenue)
- Decommissioning four existing 72 kV underground transmission lines
- Installing new fibre optic cables and wires

This booklet provides information on the need for the project, the proposed transmission development, regulatory process and opportunities for feedback. Your feedback is an important part of the process.

Join Us At One of Our Virtual Question and Answer Sessions:

January 31 at 12:00 p.m.
and February 2 at 7:00 p.m.
Sign up by emailing
CETR@epcor.com or visit
epcor.com/CETR

Double Circuit Transmission Lines






These will be double circuit transmission lines, which are two transmission lines using mostly one set of structures. They will have six wires strung on the structures (three on each side) and one or two shield wires strung on top. By using double circuit transmission lines, we can meet the demand for electricity in the area with the least amount of transmission line routes and structures.



PROJECT STUDY AREAS



LEGEND

-  72 kV Transmission Line Route Area
-  240 kV Transmission Line Route Area
-  Existing 138 kV AltaLink Transmission Line
-  Existing 240 kV AltaLink Transmission Line
-  Proposed New Substation Site

Detailed information on the route and site options near you is included in this package. For information on all the proposed transmission developments for this project, go to epcor.com/CETR or contact us using the information provided in this notice.

TRANSMISSION LINE ROUTE OPTIONS

We considered factors such as the environment, cost, visual aspects, proximity to residential areas and constructability to find above ground transmission line routes with the lowest overall impact. Using these factors, we have identified possible options on which we need your feedback. Your input is valuable to further assessing these options and will be included in EPCOR's application. Information about the transmission line route options near you is included in this package for your review.

Over the next few months our contractors will be in the project area collecting data that will also help us evaluate the route options. This will include activities such as surveys and soil sampling.

PROPOSED NEW SUBSTATION

A new substation is being planned to replace the existing Kennedale Substation, which does not have the space to accommodate the proposed upgrades.

We have identified a possible substation site in the Industrial Heights area (see areas in blue on the map). If approved, the new substation will be approximately 230 by 170 metres in size and include the following equipment:

- Six (6) 240 kV circuit breakers
- Two (2) 240/72 kV transformers
- Four (4) 72 kV circuit breakers
- Two (2) 240/15 kV transformers
- Substation building

For more information about this equipment, visit epcor.com/CETR

NEXT STEPS

We are beginning our public consultation program and invite you to contact us with any comments or questions you may have about this project.

As we continue planning we will have additional information to share with you, including what the substation and transmission lines could look like and refinements to the route alignments.

WHY ARE THE LINES PLANNED ABOVE GROUND?

Above ground transmission lines are less costly for Alberta ratepayers and faster to build. Compared to underground infrastructure, above ground lines can mean quicker access to complete maintenance or repairs, enabling us to potentially restore power faster for customers.

Underground transmission lines need to be placed in concrete duct banks. In urban areas, space to install these duct banks is limited. Additionally, an underground double circuit transmission line would require two separate duct banks to prevent overheating, which would require more space and cost Alberta ratepayers considerably more. For these reasons, we are proposing to use above ground double circuit transmission lines, which are two transmission lines along one route using mostly one set of structures.

TRANSMISSION LINES AND SUBSTATIONS

Transmission lines are like highways, moving high-voltage electricity from generating stations and switching stations to substations. Substations then reduce the high-voltage electricity to lower voltages so it can be used by homes and businesses in the area.

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 AESO’s Need Overview included in 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 contact information for the purpose of addressing your questions and/or concerns to the AESO. This process may include disclosure of your contact information to the AESO.

Alberta Electric System Operator (AESO)

Phone: 1 (888) 866-2959

Email: stakeholder.relations@aeso.ca

Website: www.aeso.ca

ABOUT THE ALBERTA UTILITIES COMMISSION (AUC)

Alberta’s electric system is regulated by the AUC. The AUC is an independent quasi-judicial agency that ensures the delivery of Alberta’s utility service takes place in a manner that is fair, responsible and in the public’s interest. The AUC must approve this project before EPCOR can begin construction. For more information about how you can participate in the process, please refer to the AUC’s brochure included in this package entitled *Participating in the AUC’s independent review process to consider facility applications*, or visit the AUC website.

Contact the AUC

Toll-free: 1 (833) 511-4282

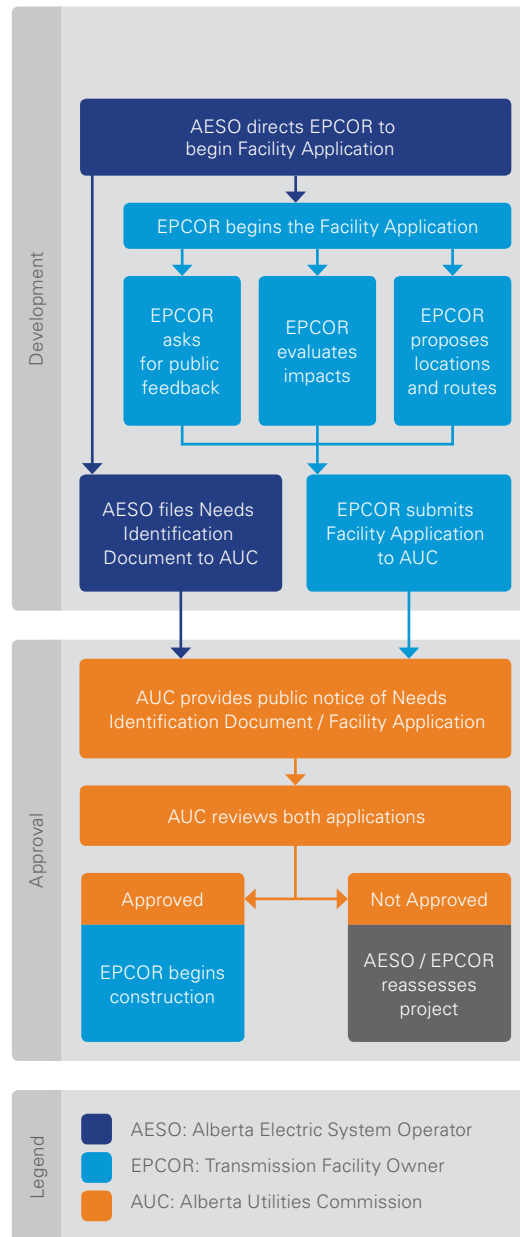
Phone: 310-4282

Website: www.auc.ab.ca

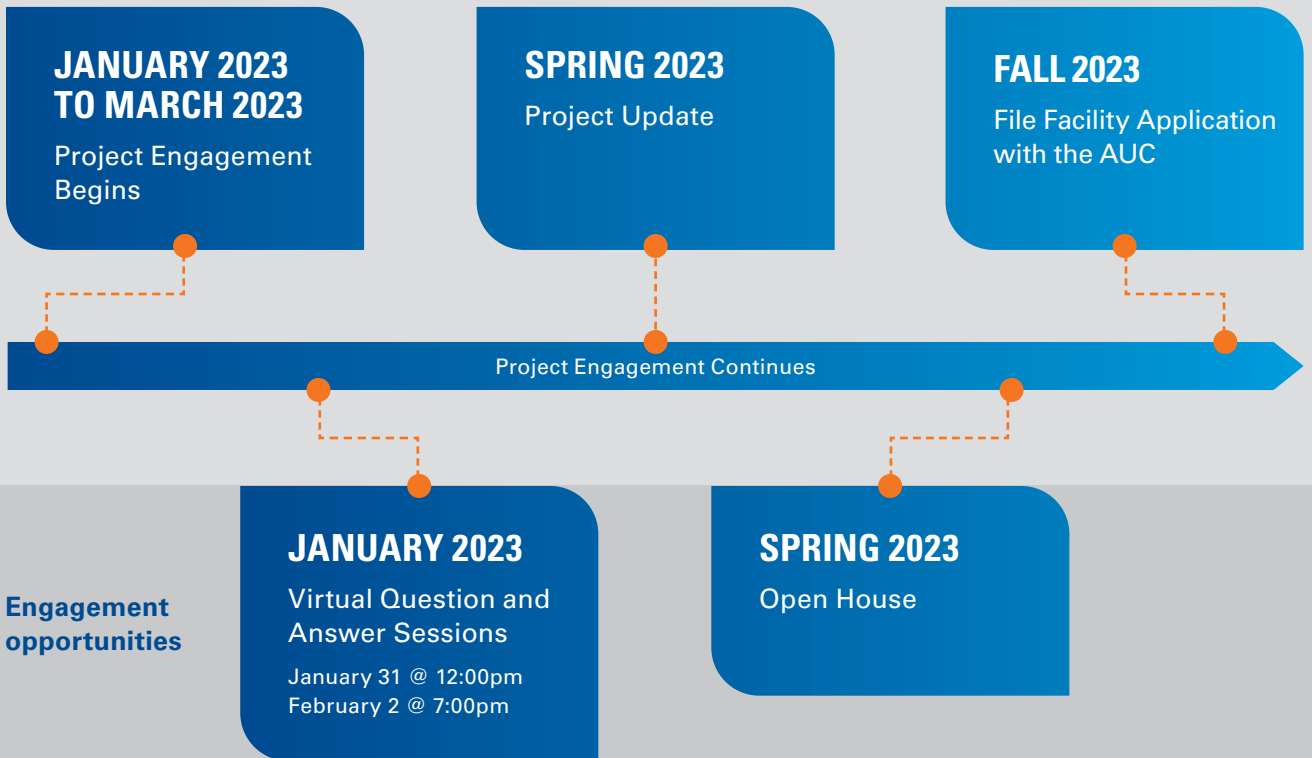
This project requires two regulatory approvals from the AUC before construction can begin:

- Approval of the AESO’s Needs Identification Document Application
- Approval of EPCOR’s Facility Application

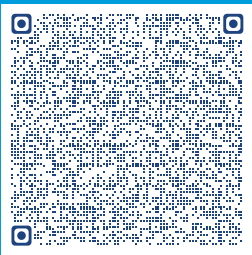
THE REGULATORY PROCESS



SCHEDULE



WE WANT YOUR INPUT



We encourage everyone who is interested in the project to contact us. There are many steps in planning a new transmission development like this one and there are opportunities to provide feedback and ask questions throughout the process.

Phone: 780-412-8800
Email: CETR@epcor.com
Website: epcor.com/CETR

FEEDBACK FORM

Prefer to comment on your own time? Fill out the feedback form included in this package.

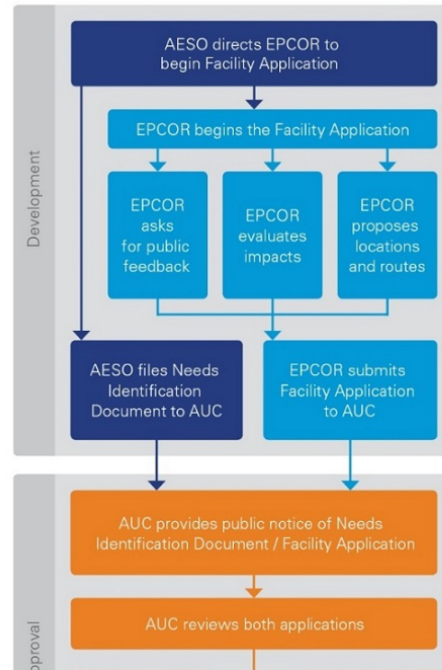
VIRTUAL QUESTION AND ANSWER SESSIONS

We will be hosting two virtual events in January and February 2023. This will be an opportunity to ask questions and provide feedback to the project team.

- January 31 @ 12:00pm
- February 2 @ 7:00pm

Please email CETR@epcor.com or visit epcor.com/CETR to sign up for one of the Virtual Question and Answer Sessions.

Attachment 5 | TFO CETR Website / AESO Information (January 2023)



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 [AESO's Need Overview](#). 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 contact information for the purpose of addressing your questions and/or concerns to the AESO. This process may include disclosure of your contact information to the AESO.

Alberta Electric System Operator (AESO)

Phone: 1 (888) 866-2959

Email: stakeholder.relations@aeso.ca

Website: www.aeso.ca

Alberta Utilities Commission (AUC)

Alberta's electric system is regulated by the AUC. The AUC is an independent quasi-judicial agency that ensures the delivery of Alberta's utility service takes place in a manner that is fair, responsible and in the public's interest. The AUC must approve this project before EPCOR can begin construction. For more information about how you can participate in the process, please refer to the [Participating in the AUC's independent review process brochure](#).

Attachment 6 | Indigenous Information Packages Cover Letters

January 17, 2023

Enoch Cree Nation
PO Box 29
Enoch, AB T7X 3Y3

Attention: Stephana Morin, Consultation Coordinator
Sent Via Email: Stephana.morin@enochnation.ca

Dear Stephana,

Re: **Need Overview – City of Edmonton Transmission Reinforcement**

Transmission planning is an ongoing process, and the Alberta Electric System Operator (AESO) continually monitors changes in economics, forecasts, government policies, and electricity market participant connection requests to assess and adjust transmission plans when necessary. Based on our most current information for the City of Edmonton, we have identified a need to reinforce the transmission system in the northeast area of Edmonton to reliably serve the growing demand for electricity. EPCOR, the transmission facility owner in the City of Edmonton, has also identified a need to replace aging oil-filled cables connected to two area substations.

As the independent, not-for-profit organization mandated to plan Alberta's transmission system, the AESO has proposed new transmission infrastructure to meet the need in the area. The project is referred to as the **City of Edmonton Transmission Reinforcement (CETR)**.

I have enclosed our newsletter to provide you with an overview of the need for the project, which includes a map that identifies the potential development area for system reinforcement. In addition, you will find two fact sheets that provide an overview of transmission planning, operations and the regulatory process for applications.

Please don't hesitate to contact me at (403) 605-1448 or ata.rehman@aeso.ca if you have questions.

Yours truly,



Ata Rehman, P.Eng.
Director, Grid Planning & Operations Engineering

Attch: CETR Need Overview Newsletter
The Basics of Electricity Transmission
Planning a Safe and Reliable Grid

cc: consultation@enochnation.ca

January 17, 2023

Paul First Nation
PO Box 66
Duffield, AB T03 0N0

Attention: Donald Rain, Manager, PFN Industry Relations Corp.
Sent Via Email: df_rain@hotmail.com

Dear Donald,

Re: **Need Overview – City of Edmonton Transmission Reinforcement**

Transmission planning is an ongoing process, and the Alberta Electric System Operator (AESO) continually monitors changes in economics, forecasts, government policies, and electricity market participant connection requests to assess and adjust transmission plans when necessary. Based on our most current information for the City of Edmonton, we have identified a need to reinforce the transmission system in the northeast area of Edmonton to reliably serve the growing demand for electricity. EPCOR, the transmission facility owner in the City of Edmonton, has also identified a need to replace aging oil-filled cables connected to two area substations.

As the independent, not-for-profit organization mandated to plan Alberta's transmission system, the AESO has proposed new transmission infrastructure to meet the need in the area. The project is referred to as the **City of Edmonton Transmission Reinforcement (CETR)**.

I have enclosed our newsletter to provide you with an overview of the need for the project, which includes a map that identifies the potential development area for system reinforcement. In addition, you will find two fact sheets that provide an overview of transmission planning, operations and the regulatory process for applications.

Please don't hesitate to contact me at (403) 605-1448 or ata.rehman@aeso.ca if you have questions.

Yours truly,



Ata Rehman, P.Eng.
Director, Grid Planning & Operations Engineering

Attch: CETR Need Overview Newsletter
The Basics of Electricity Transmission
Planning a Safe and Reliable Grid

cc: Jeanne Kenoras (irc.execujtivesecretary@gmail.com)

Attachment 6.1 | Fact Sheets

- **Planning a Safe and Reliable Grid**
- **The Basics of Electricity Transmission**

Planning a safe and reliable grid

The transmission network is like a major highway system for electricity, moving large quantities of power from where it is generated to where it is consumed. Over time, this system of lines and towers must be upgraded and expanded as equipment ages, demand for electricity increases and additional sources of energy (generation) are created in different areas of the province.

As Alberta's electricity landscape evolves over time, the transmission system can become constrained, which can lead to challenges with delivering reliable, efficient and economic electricity to Albertans. One of the Alberta Electric System Operator's (AESO) responsibilities is to plan a transmission system that Albertans can count on to power our homes and businesses each and every day.

➤ A RANGE OF FACTORS CONTRIBUTE TO THE NEED TO STRENGTHEN THE TRANSMISSION SYSTEM INCLUDING:

- Fulfilment of reliability requirements as part of a network of electric utilities and independent system operators across North America
- Alberta's economic outlook, including the growth of gross domestic product, population and industrial production
- Electricity demand growth rate and locations
- Timing and location of future electricity generation development
- Condition and age of the transmission assets
- Contributions of new facilities to maintain a competitive market
- Ability of the system to transmit energy during emergency conditions and to allow for maintenance and construction of new facilities



➤ 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.

> SHARING INFORMATION WITH STAKEHOLDERS

The AESO plans Alberta's transmission system for the province in accordance with legislation, reliability standards, government policies and economic outlook.

The AESO is committed to open and transparent communication with stakeholders. Throughout the transmission development process the AESO is proud to be a source of credible information for all stakeholders.

> THE NEED FOR DEVELOPMENT – OBTAINING APPROVALS

Once the AESO has identified a preferred alternative for transmission development, we will prepare a Needs Identification Document (NID) application. This application is filed with Alberta's independent utility regulator, the Alberta Utilities Commission (AUC), for approval.

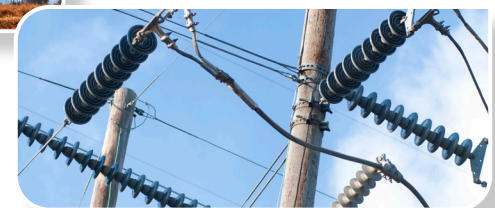
Potential locations of needed transmission facilities, including detailed routing and siting, are determined in a standalone Facility Application, either filed concurrently or sequentially with the AESO's NID. Potential routing and siting is proposed by the transmission facility owner (TFO), who constructs, owns and maintains transmission facilities. There are four major TFOs in Alberta: ATCO Electric Ltd., AltaLink Management Ltd., EPCOR Utilities Inc. (owned by the City of Edmonton), and ENMAX Power Corporation (owned by the City of Calgary). The TFO must also file a Facility Application with the AUC for approval of the routing and siting of proposed transmission facilities.

The AUC is Alberta's regulator for the electric industry, and is responsible for reviewing and approving:

- The need
- The preferred option to meet the need
- Transmission siting and construction
- Associated costs of construction and operation of Alberta's electricity system

> EXPLORING TRANSMISSION DEVELOPMENT OPTIONS

Following the AESO's identification of the need for transmission, comprehensive planning and engineering studies present high-level technical alternatives that will address the need. These alternatives are then evaluated, compared and ranked based on their technical, economic, environmental and social merits.



With unique access to credible, accurate and real-time electricity information, the AESO is the single largest source of transmission planning expertise in Alberta.

The basics of electricity transmission

One of the AESO's key responsibilities is planning an effective transmission system; the towers, wires and related equipment that move electricity from where it is generated to where it is used.

Here is a brief overview of Alberta's electricity transmission system.
For in-depth information, visit www.aeso.ca

➤ THE NEED FOR TRANSMISSION

- Transmission is essential to move electricity from where it is produced to where it is needed.
- As the province grows, so does the need for power and Alberta's transmission system must keep pace.
- Our electricity grid is evolving as Alberta phases out coal-fired generation and integrates more renewables.
- Access to a strong transmission system is required to attract investment in new generation.
- Reliable transmission facilitates competition by enabling all generators to get their product to market. This, in turn, promotes competitive pricing for consumers.



Transmission is essential to move electricity from where it is produced to where it is needed.



➤ PLANNING THE GRID

- The AESO is responsible for forecasting electricity supply and demand, planning a transmission system that is able to meet that demand, and connecting new generation.

Here are just a few of the factors we consider:

- Economic, population and industrial growth
- Where electricity demand is growing and the rate at which it is growing
- Condition and age of current transmission infrastructure
- The ability to transmit electricity during emergencies
- Environmental, residential, agricultural and visual impacts, and public safety concerns

> BUILDING TRANSMISSION

- The AESO cannot own transmission infrastructure.
- Transmission Facility Owners (TFOs) build, own and operate the transmission system within their service territories.
- There are four major TFOs in Alberta: AltaLink Management Ltd., ATCO Electric Ltd., ENMAX Power Corporation and EPCOR Utilities Inc.
- After the need is identified, transmission is built as directed by the AESO and approved by the Alberta Utilities Commission (AUC).

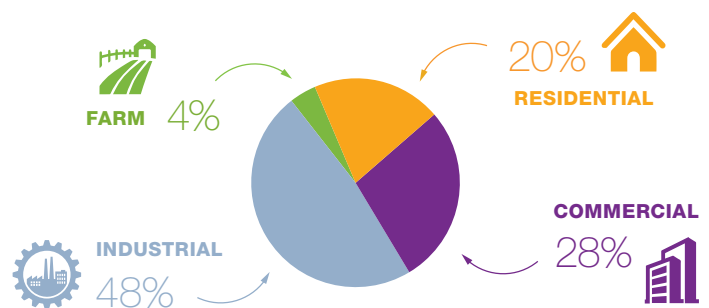
> ALBERTANS HAVE A SAY

- Before construction can begin, strict rules for planning, building and maintaining transmission must be adhered to. Alberta has a stringent, comprehensive approval process that provides several opportunities for Albertans to become involved.

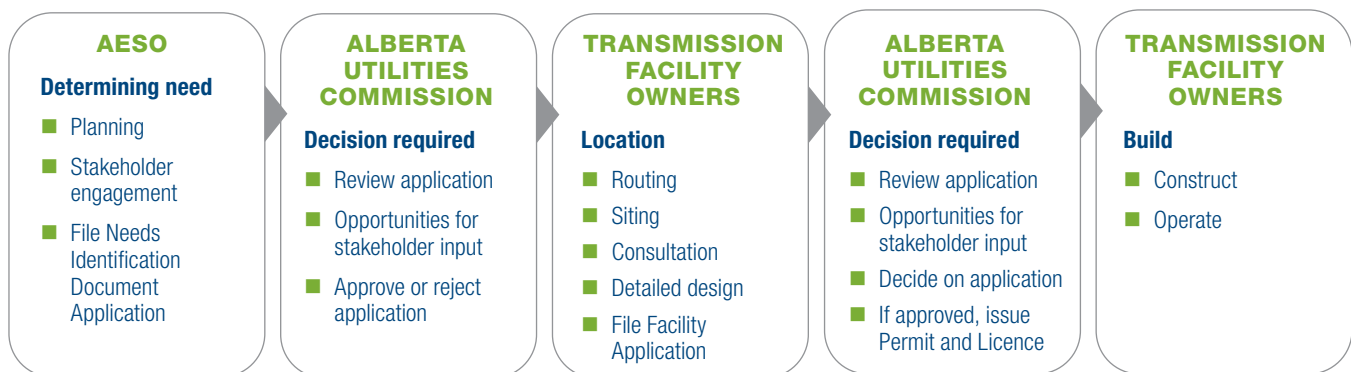
> TRANSMISSION COSTS

- In most cases, the average cost of transmission is about \$23 a month, or around 77 cents a day.
- Transmission charges appear on your residential electricity bill as transmission delivery charges, and cover the cost of building and maintaining the transmission system.
- Transmission costs are based on usage and shared by all Albertans.
- Alberta's transmission charges are approved by the AUC.

The cost of transmission is paid according to usage (2020 data)



The transmission development process




The AESO must notify all potentially affected stakeholders and prove the need for transmission development to the AUC.

The TFO that will build and own the proposed transmission infrastructure must consult with people in the affected area.

> 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.

Attachment 7 – AESO/TFO Municipality Presentation


aeso 

City of Edmonton Transmission Reinforcement (CETR)
AESO and Needs Identification Document
Application Overview

Peter Huang, P.Eng.
 Manager, System Planning


January 2023


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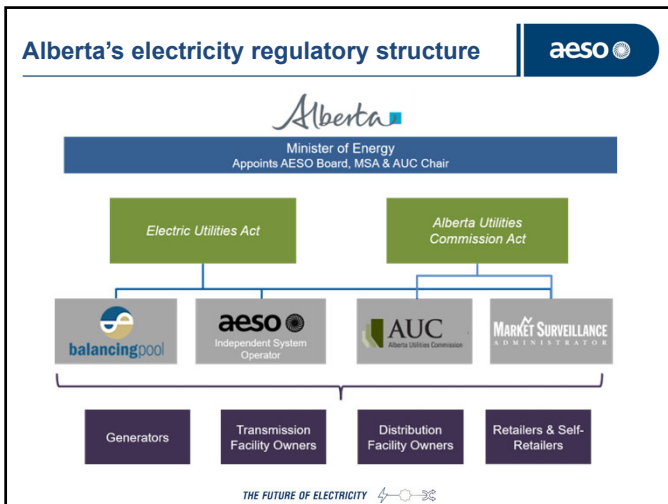
aeso 

AESO Mandate

- Responsible for safe, reliable, economic planning and operation of Alberta Interconnected Electric System (AIES)
- AESO is a not-for-profit, statutory corporation; independent of government and industry:
 - Governed by independent board appointed by Minister of Energy
 - Must operate in the public interest
 - No financial interest in any generation unit, transmission or distribution infrastructure
 - No government funding; costs recovered from Alberta ratepayers
- Highest visibility of Alberta electricity sector



THE FUTURE OF ELECTRICITY 



About the AESO 



Connect CUSTOMERS



PLAN transmission

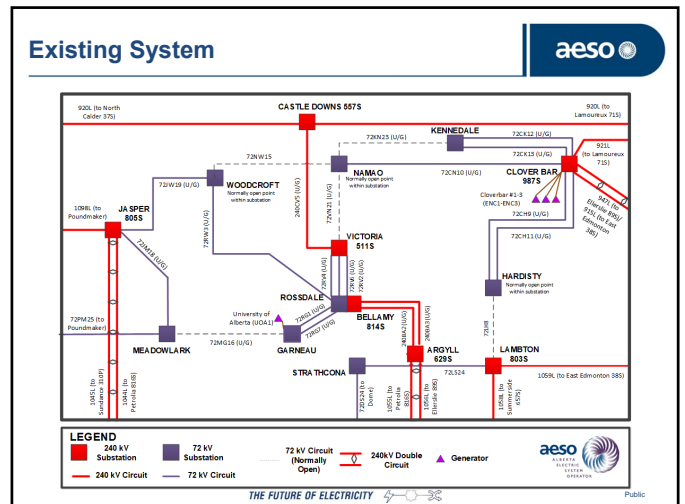
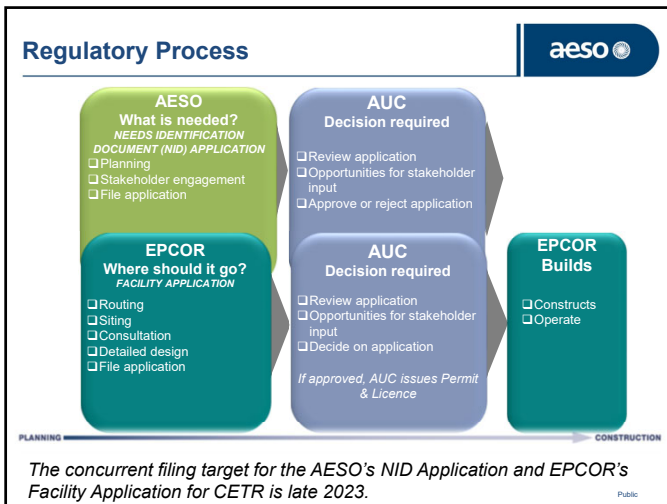
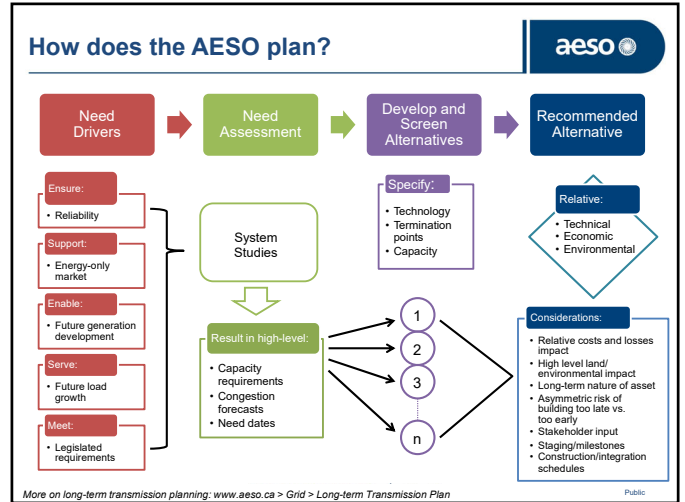
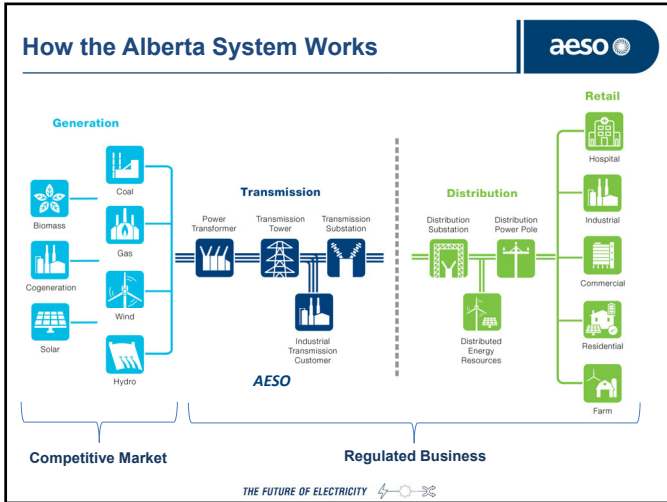


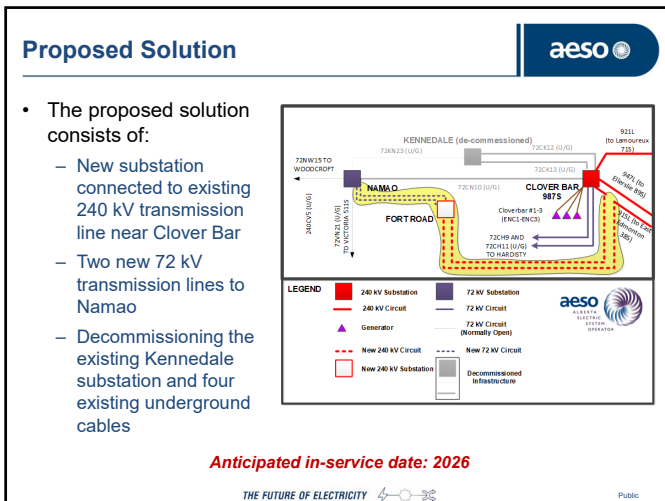
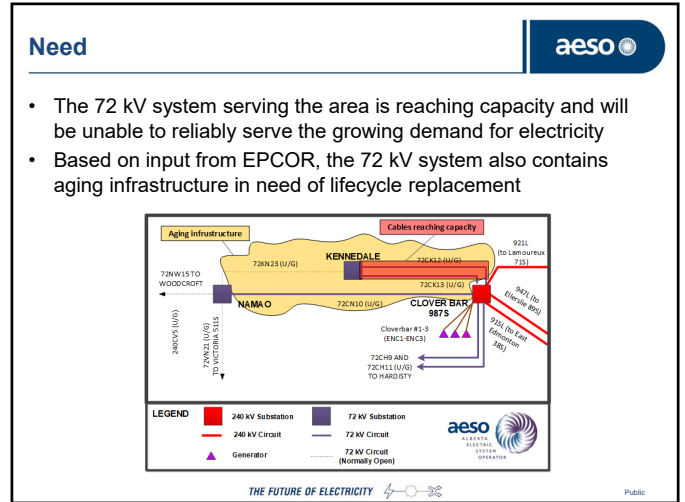
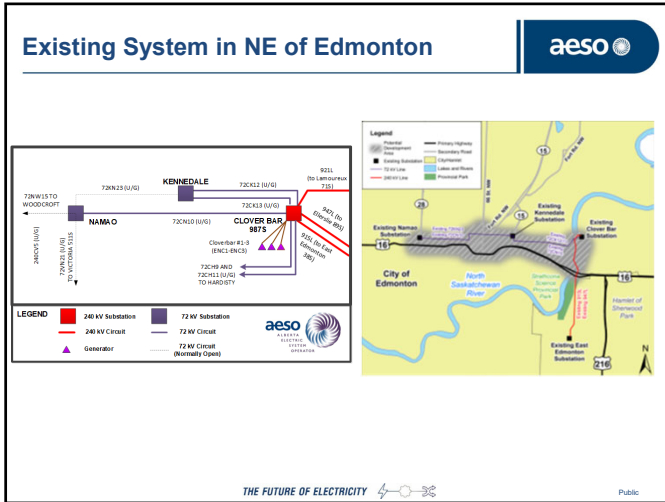
Operate the GRID



Plan and Operate the MARKET

THE FUTURE OF ELECTRICITY  Public





Contact the AESO

- Twitter:** @theAESO
- Email:** stakeholder.relations@aeso.ca
- Website:** www.aeso.ca
- Subscribe** to our stakeholder newsletter

Footer: THE FUTURE OF ELECTRICITY | aeso | Public

Attachment 8 | Email to MAU and MLAs (January 18, 2023)

Email to Members of the Legislative Assembly Preferred Development Area Constituencies



Date: January 18, 2023

To: MLAs & MAU (see Section 2.3.4 Provincial Government)

Subject: Notification Regarding New City of Edmonton Transmission Reinforcement (CETR) Project

Dear _____,

In January 2023, the Alberta Electric System Operator (AESO) worked with EPCOR, the transmission facility owner in the City of Edmonton, to include our newsletter in their information package that introduces the new City of Edmonton Transmission Reinforcement (CETR) project. The package is currently being delivered to homeowners and businesses, including residents in your constituency, in the potential development area.

The AESO's [CETR newsletter](#) explains that based on our most current information for the City of Edmonton, we have identified a need to reinforce the transmission system in the northeast area of the city to reliably serve the growing demand for electricity. EPCOR has also identified a need to replace aging oil-filled cables connected to two area substations.

To maintain reliability, the AESO is proposing to add a 240 kilovolt (kV) substation near the existing Clover Bar substation and connect it to the existing 240 kV transmission line. Additionally, two 72 kV transmission lines will be added to connect the new substation to the existing Namao substation. The Namao substation will be modified, and the existing Kennedale substation will be decommissioned along with other aging transmission infrastructure in the area. A map that identifies the potential development area is included in our newsletter.

With respect to the regulatory process, the AESO must notify all potentially affected stakeholders and prove the need for transmission development to the Alberta Utilities Commission (AUC) in our CETR Needs Identification Document (NID) Application. EPCOR must consult with stakeholders in the affected area for their CETR Facility Application.

As the AESO and EPCOR are filing our applications concurrently, to increase efficiencies through the notification and engagement process, the AESO will participate in EPCOR-hosted consultation forums. This includes participating as a panelist to address any need-related questions at EPCOR's Virtual Question and Answer Sessions scheduled for Jan. 31 and Feb. 2, 2023. Please click [here](#) for additional information on EPCOR's CETR web page.

If you or any of your constituents have questions related to the AESO's mandate, or the need for CETR and the proposed solution, please do not hesitate to contact us.

Regards,

Diane Kossman
Senior Communications Advisor
Communications & Stakeholder Relations
Direct: 403-542-9781

Alberta Electric System Operator (AESO)



THE FUTURE OF ELECTRICITY



Attachment 9 | TFO CETR Project Website

- **Virtual Question & Answer Session | AESO Questions & Answers**

Need for the project and transmission system planning questions

Answers provided by the Alberta Electric System Operator (AESO)

Q: The City of Edmonton has a plan, by 2065 to expand to 2 million people. Have you considered this, if so what are your findings? ▲

A: Population growth and the associated increase in demand for electricity are considered in the AESO's studies. Timely enhancements to the transmission system are proposed by the AESO as they become needed, and also with consideration of long-term electricity needs.

Q: If the Alberta Electric System Operator (AESO) already knows there's a need, is it assumed that approval is a sure thing? ▼

Q: Over the last 10 years, how many AESO projects have been on budget vs off budget with cost overruns? ▼

Q: Will there need to be both a 72 kV and a 240 kV route established? ▼

Q: Specifically speaking about monthly incurred costs and year-over-year projections to ratepayers, what is the impact to rate payers? ▼

Q: Which type of rate payer is being affected, residential or business? ▼

Attachment 9.1 | Virtual Question & Answer Session: AESO Questions & Answers

1. Will there need to be both a 72 kV and a 240 kV route established?

Yes, in order to continue to reliably serve the load (demand for electricity) in the area, connecting the existing 72 kV system in the area to the 240 kV system to the east is the best approach. Both 72 kV and 240 kV routes will be needed.

2. Specifically speaking about monthly incurred costs and year-over-year projections to ratepayers, what is the impact the rate payers?

As EPCOR takes all stakeholder feedback into consideration and further defines the project, they will be able to develop detailed cost estimates. Once the detailed project costs become available, the AESO will be able to provide further information on impact to ratepayers.

3. Which type of rate payer is being affected residential or business?

All electricity users share the cost of moving power through Alberta's grid. The rates to be charged are established in the Independent System Operator (ISO) tariff and are approved by the Alberta Utilities Commission. The tariff allocates costs to all users of the transmission system based on their level of usage of the system. Based on current usage levels, around 75 per cent of cost will be paid by industrial and commercial customers and around 20 per cent by residential customers spread across Alberta.

4. Over the last 10 years, how many AESO projects have been on budget vs off budget with cost overruns?

The AESO is responsible for planning the transmission system, including identifying the need for transmission system development. We do not oversee actual costs of projects. Responsibility for project costs reside with Alberta's transmission facility owners. These costs are ultimately reviewed and approved by the Alberta Utilities Commission, the regulator in Alberta, to ensure project costs are reasonable and in the public interest.

5. The City of Edmonton has a plan by 2065 to expand to 2 million people. Have you considered this as it pertains to the expansion of the Yellowhead trail and, if so, what are your findings?

Population growth and the associated increase in demand for electricity are considered in the AESO's studies. Timely enhancements to the transmission system are proposed by the AESO as they become needed, and also with consideration of long-term electricity needs. The final routing and placement of transmission facilities are the responsibility of the transmission facility owner.

6. If the Alberta Electric System Operator (AESO) already knows there's a need, is it assumed that approval is a sure thing?

No, approval is not a sure thing. The electricity need for this project and the final proposed solution must be approved by the Alberta Utilities Commission, the regulator in Alberta, to ensure the project is in the public interest.

Attachment 10 | CETR NID Notification of Filing (November 21, 2023)

Notification of AESO Needs Identification Document (NID) Filing for the City of Edmonton Transmission Reinforcement (P7078)

The Alberta Electric System Operator (AESO) advises you that it intends to file a NID for the approval of transmission reinforcement in the City of Edmonton area with the Alberta Utilities Commission (AUC) on or after December 7, 2023.

Recent studies have shown the existing 72 kilovolt (kV) transmission system serving the northeastern part of the city is reaching capacity. Soon the system will be unable to reliably serve the growing demand for electricity in the area. In addition, EPCOR, the transmission facility owner in the City of Edmonton, has identified a need to replace aging oil-filled cables connected to the Kennedale and Namao substations.

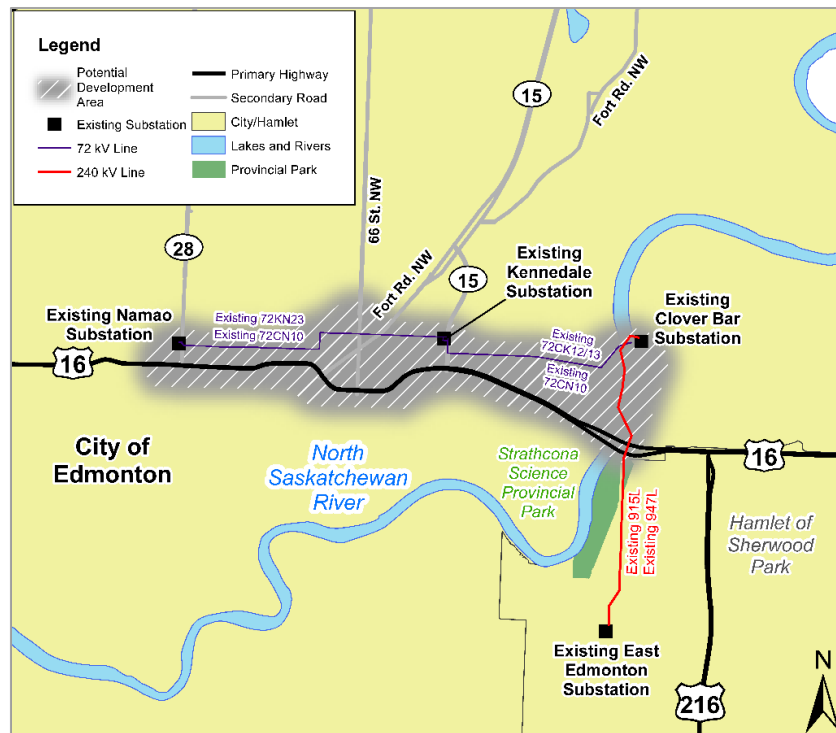
The AESO is proposing to meet the transmission reinforcement need by:

- Adding a substation that will be connected to the existing 240 kV transmission line near the existing Clover Bar substation
- Adding two 72 kV transmission lines—approximately 6 km in length—to connect the proposed substation to the existing Namao substation
- Modifying the Namao substation to accommodate the proposed 72 kV transmission lines
- Decommissioning the existing Kennedale substation and four existing 72 kV transmission lines connecting the Clover Bar, Kennedale, and Namao substations

In January 2023 the AESO, in conjunction with EPCOR, began notifying stakeholders, including residents, occupants, Indigenous groups and landowners, of the need for this project.

The AESO intends to file the City of Edmonton Transmission Reinforcement NID Application with the AUC on or after December 7, 2023. The AESO and EPCOR had planned to file their respective NID and Facility Applications concurrently; however, EPCOR has determined it needs more time to assess and reflect on public input before identifying refined route options. Pending additional public engagements on refined route options, EPCOR anticipates submitting its Facility Application to the AUC in mid-to-late 2024.

Once filed, the NID will be posted on the AESO website at <https://www.aeso.ca/grid/transmission-projects/city-of-edmonton-transmission-reinforcement-7078/>



The shaded area in the map indicates the approximate area of the proposed transmission reinforcement and identifies the existing substations.

In a separate Facility Application, EPCOR will describe the specific site for the proposed substation, as well as the proposed routes to implement the transmission reinforcement. EPCOR will request AUC approval to modify, construct and operate the transmission facilities required to meet the need for reinforcement. Specific transmission facilities may extend beyond the shaded area.

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. This information is collected in accordance with Section 33(c) of the Freedom of Information and Protection of Privacy Act. If you have any questions about the collection or use of this information, please contact the Manager, FOIP and Records Management, 2500, 330 – 5th Ave SW, Calgary, Alberta, T2P 0L4 or by telephone at 403-539-2890. If you choose to communicate by email, please note that email is not a secure form of communication. Security of your communication while in transit cannot be guaranteed.

For more information, please visit www.aeso.ca or contact the AESO at 1-888-866-2959 or stakeholder.relations@aeso.ca



Attachment 10.1 | AESO Public Notification of Filing Website Posting

[< Grid](#)
[About the Grid](#) ▼
[Connecting to the Grid](#) ▼
[Transmission Projects](#) ▲
[Connection Project Reporting](#)
[System Project Reporting](#)
[Competitive Process](#) ▼
[Grid-Related Initiatives](#) ▼
[Grid Planning](#) ▼
[< View all projects](#)

City of Edmonton Transmission Reinforcement (7078)

Transmission system reinforcement is needed in the northeast area of the City of Edmonton to reliably serve the growing demand for electricity in the area. In addition, EPCOR, the transmission facility owner in Edmonton, has identified a need to replace aging infrastructure.

To maintain reliability, the AESO is proposing to add a 240 kilovolt (kV) substation near the existing Clover Bar substation and connect it to the existing 240 kV transmission line 915L. Additionally, two 72 kV transmission lines will be added to connect the new substation to the existing Namao substation. The Namao substation will be modified, and the existing Kennedale substation will be decommissioned along with other aging transmission infrastructure in the area.

While the AESO is responsible for identifying the need for transmission reinforcement and the proposed solutions to meet that need, EPCOR is responsible for substation and transmission line locations, structure types and related upgrades. Please visit EPCOR's website at www.epcor.com/CETR for further information.

Please see the document(s) below for more information.

Notice of Filing

- [City of Edmonton Transmission Reinforcement Notice of Filing](#) [Posted: Nov. 21, 2023]

The AESO intends to file the *City of Edmonton Transmission Reinforcement Needs Identification Document Application* with the Alberta Utilities Commission on or after December 7, 2023.

Key Documents

- [CETR Need Overview Newsletter | January 2023](#) [Posted: Jan. 9, 2023]

Contact Us

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

Attachment 10.2 | AESO Stakeholder Newsletter Notification of Filing



Key Dates

Nov. 23, 2023 | [Stakeholder Session](#) | [Grid Reliability Update](#)

Nov. 23, 2023 | [Stakeholder Session](#) | [Bulk Transmission Line Technical Requirements](#)

Nov. 28, 2023 | [Comments Due](#) | [Reliability Standards Discussion Group](#)

Nov. 28, 2023 | [Stakeholder Session](#) | [Reliability Standards Workshop CIP-004-AB-7 and CIP-011-AB-3](#)

Dec. 1, 2023 | [Comments Due](#) | [ISO Fee Rule Amendments, Letter of Notice](#)

Dec. 5, 2023 | [Stakeholder Session](#) | [Electromagnetic Transient Modelling Requirement Update](#)

[View full calendar](#)

AESO

Reminder | AESO Stakeholder Symposium

On November 30, 2023, the AESO will be hosting its second AESO Stakeholder Symposium. The purpose of this symposium is to provide our stakeholders with an understanding of the AESO's key priorities as well as how various AESO-led initiatives are intended to address the reliability and affordability challenges posed by a rapidly evolving electricity system.

The event will provide an opportunity to initiate a dialogue with leadership in our sector about how to best advance complex challenges the industry is facing.

All AESO stakeholders are welcome to participate in a livestream option by registering on AESO Engage, with in-person attendance limited to senior leaders. This will enable the AESO to be inclusive of broader participation by other interested members of our stakeholder community. Throughout the event, virtual attendees will be able to submit written questions.

To view event details, please [click here](#), or visit www.aeso.ca and follow the path: AESO Engage (top navigation bar) > AESO Stakeholder Symposium.

GRID

City of Edmonton Transmission Reinforcement | Notice of Needs Identification Document Filing

Recent studies have shown the existing 72-kilovolt (kV) transmission system serving the northeastern part of the City of Edmonton is reaching capacity. In addition, EPCOR, the transmission facility owner in the City of Edmonton, has identified a need to replace aging oil-filled cables connected to the Kennedale and Namao substations.

The AESO is proposing to add a substation that will connect to the existing 240 kV transmission line near the existing Clover Bar substation; add two 72 kV transmission lines to connect the proposed substation to the existing Namao substation; modify the Namao substation to accommodate the proposed 72 kV transmission lines; and decommission the existing Kennedale substation and four existing 72 kV transmission lines connecting the Clover Bar, Kennedale, and Namao substations.

The AESO intends to file the City of Edmonton Transmission Reinforcement Needs Identification Document (NID) Application with the Alberta Utilities Commission (AUC) on or after December 7, 2023.

More information is available on the AESO website. Please [click here](#) to view the project page or visit the AESO website at www.aeso.ca and follow the path: Grid > Transmission Projects > City of Edmonton Transmission Reinforcement (7078) to view the relevant documents, including the NID application once it is filed with the AUC.

Attachment 10.3 | Email Notification of Filing to Stakeholders

Email to Indigenous Communities

Enoch Cree Nation & Paul First Nation



Date: November 24, 2023
To: Enoch Cree Nation & Paul First Nation
Subject: Notice of Filing | City of Edmonton Transmission Reinforcement

Dear Mr. / Ms. <Last Name>

The Alberta Electric System Operator (AESO) intends to file a Needs Identification Document (NID) Application with the Alberta Utilities Commission (AUC) on or after December 7, 2023, for the approval of the City of Edmonton Transmission Reinforcement.

You may recall from previous project communications that the AESO and EPCOR had initially planned to file our respective NID and Facility Applications concurrently. EPCOR has advised it needs more time to assess and reflect on public input to help determine routes with the lowest overall impact. Pending additional engagements to obtain more public feedback, EPCOR now anticipates submitting its Facility Application to the AUC in mid-to-late 2024.

To view our full notice of filing, which includes a map that indicates the approximate area of the proposed transmission reinforcement, please click [here](#). Or visit the AESO's website at www.aeso.ca and follow the path > Grid > Transmission Projects > [City of Edmonton Transmission Reinforcement](#).

Once filed, the NID Application will be posted on the AESO website at the path noted above. If you have any questions, please contact the AESO at 1-888-866-2959 or stakeholder.relations@aeso.ca.

Best regards,
Diane Kossman

Stakeholder Relations

Toll Free: 1-888-866-2959
stakeholder.relations@aeso.ca

Alberta Electric System Operator (AESO)



THE FUTURE OF ELECTRICITY The tagline icon consists of three stylized symbols: a lightning bolt, a gear, and a double-headed arrow, all in a light blue color.

Email to City of Edmonton Councillors

Preferred Development Area Constituencies



Date: November 24, 2023

To: City Councillors | Preferred Development Area Constituencies (see Section 2.3.3 Municipal Government [City of Edmonton])

Subject: Notice of Filing | City of Edmonton Transmission Reinforcement

Good day,

In January 2023, the Alberta Electric System Operator (AESO) worked with EPCOR, the transmission facility owner in the City of Edmonton, to notify residents in your constituency about the City of Edmonton Transmission Reinforcement (CETR) project.

Based on our most current information for the City of Edmonton, we identified a need to reinforce the transmission system in the northeast area of the city to reliably serve the growing demand for electricity. EPCOR also identified a need to replace aging oil-filled cables connected to two area substations.

With respect to the regulatory process, the AESO must notify all potentially affected stakeholders and prove the need for transmission development to the Alberta Utilities Commission (AUC) in our Needs Identification Document (NID) Application. EPCOR must consult with stakeholders in the affected area for their Facility Application.

I'm writing to advise you that the AESO intends to file our NID Application with the AUC on or after December 7, 2023, for the approval of CETR.

In our initial project communication, the AESO and EPCOR stated that we planned to file our respective NID and Facility Applications concurrently. EPCOR has advised it needs more time to assess and reflect on public input to help determine routes with the lowest overall impact. Pending additional engagements to obtain more public feedback, EPCOR now anticipates submitting its Facility Application to the AUC in mid-to-late 2024.

To view our full notice of filing, which includes a map that indicates the approximate area of the proposed transmission reinforcement, please click [here](#). Or visit the AESO's website at www.aeso.ca and follow the path > Grid > Transmission Projects > [City of Edmonton Transmission Reinforcement](#).

Once filed, the NID Application will be posted on the AESO website at the path noted above. If you or any of your constituents have questions, please don't hesitate to contact the AESO at 1-888-866-2959 or stakeholder.relations@aesoc.ca.

Best regards,
Diane Kossman

Stakeholder Relations

Toll Free: 1-888-866-2959

stakeholder.relations@aesoc.ca

Alberta Electric System Operator (AESO)



THE FUTURE OF ELECTRICITY



Email to Members of the Legislative Assembly Preferred Development Area Constituencies



Date: November 24, 2023
To: MLAs | Preferred Development Area Constituencies (see Section 2.3 Stakeholder Notification)
Subject: Notice of Filing | City of Edmonton Transmission Reinforcement

Good day,

In January 2023, the Alberta Electric System Operator (AESO) worked with EPCOR, the transmission facility owner in the City of Edmonton, to notify residents in your constituency about the City of Edmonton Transmission Reinforcement (CETR) project.

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With respect to the regulatory process, the AESO must notify all potentially affected stakeholders and prove the need for transmission development to the Alberta Utilities Commission (AUC) in our Needs Identification Document (NID) Application. EPCOR must consult with stakeholders in the affected area for their Facility Application.

I'm writing to advise you that the AESO intends to file our NID Application with the AUC on or after December 7, 2023, for the approval of CETR.

In our initial project communication, the AESO and EPCOR stated that we planned to file our respective NID and Facility Applications concurrently. EPCOR has advised it needs more time to assess and reflect on public input to help determine routes with the lowest overall impact. Pending additional engagements to obtain more public feedback, EPCOR now anticipates submitting its Facility Application to the AUC in mid-to-late 2024.

To view our full notice of filing, which includes a map that indicates the approximate area of the proposed transmission reinforcement, please click [here](#). Or visit the AESO's website at www.aeso.ca and follow the path > Grid > Transmission Projects > [City of Edmonton Transmission Reinforcement](#).

Once filed, the NID Application will be posted on the AESO website at the path noted above. If you or any of your constituents have questions, please don't hesitate to contact the AESO at 1-888-866-2959 or stakeholder.relations@aesoc.ca.

Best regards,
Diane Kossman

Stakeholder Relations

Toll Free: 1-888-866-2959
stakeholder.relations@aesoc.ca

Alberta Electric System Operator (AESO)



THE FUTURE OF ELECTRICITY 

Email to Stakeholders

Stakeholders on Record (Contacted the AESO)



Date: November 24, 2023
To: Stakeholder on Record
Subject: Notice of Filing | City of Edmonton Transmission Reinforcement

Good day,

You are receiving this email because you provided comments to the Alberta Electric System Operator (AESO) about the City of Edmonton Transmission Reinforcement (CETR). We are contacting you to advise that the

AESO intends to file a Needs Identification Document (NID) Application with the Alberta Utilities Commission (AUC) on or after December 7, 2023, for the approval of the City of Edmonton Transmission Reinforcement.

You may recall from previous project communications that the AESO and EPCOR had initially planned to file our respective NID and Facility Applications concurrently. EPCOR has advised it needs more time to assess and reflect on public input to help determine routes with the lowest overall impact. Pending additional engagements to obtain more public feedback, EPCOR now anticipates submitting its Facility Application to the AUC in mid-to-late 2024.

To view our full notice of filing, which includes a map that indicates the approximate area of the proposed transmission reinforcement, please click [here](#). Or visit the AESO's website at www.aeso.ca and follow the path > Grid > Transmission Projects > [City of Edmonton Transmission Reinforcement](#).

To view EPCOR's CETR project page, please click [here](#).

Once filed, the NID Application will be posted on the AESO website at the path noted above. If you have any questions, please contact us at 1-888-866-2959 or stakeholder.relations@aeso.ca.

Best regards,
Diane Kossman

Stakeholder Relations

Toll Free: 1-888-866-2959
stakeholder.relations@aeso.ca

Alberta Electric System Operator (AESO)



THE FUTURE OF ELECTRICITY 

Attachment 10.4 – TFO Postcard

City of Edmonton Transmission Reinforcement Project

PROJECT UPDATE - NOVEMBER 2023



For project details, visit our website epcor.com/CETR



CONTACT US

Phone: 780-412-8800

Email: CETR@epcor.com

In January 2023, we provided you with information on EPCOR's plans to build new transmission lines and a new substation to serve the growing demand for electricity and to replace aging infrastructure in northeast Edmonton. An important part of our planning process is reviewing public feedback and considerations around constructability, the environment, social and economic factors, all of which help us determine routes with the lowest overall impact. EPCOR needs more time to assess and reflect on this information before determining refined route options.

ALBERTA ELECTRIC SYSTEM OPERATOR (AESO) UPDATE

The Alberta Electric System Operator (AESO) plans to file their Needs Identification Document Application with the Alberta Utilities Commission (AUC) at the end of 2023/beginning of 2024. The AESO must demonstrate that there is a need for an expansion or enhancement to the transmission system and propose a solution to meet this need. It is the AUC who will evaluate that information before making a decision.

If you have any questions or concerns regarding the need for this project please contact AESO Stakeholder Relations at stakeholder.relations@aeso.ca or **1-888-866-2959**.

NEXT STEPS

In **spring 2024** we will send out a project notice with refined route options. At that time, we will ask for additional feedback and invite you to an in-person open house. Since EPCOR remains in the planning phase, we now anticipate the submission of our Facility Application to the AUC **mid to late 2024**.

PROJECT DETAILS

This project involves:

- Construction of a new substation
- Construction of approximately 6 km of new 72 kV double circuit transmission line
- Construction of approximately 6 km of new 240 kV double circuit transmission line

MAP OF PROJECT AREA

