

APPENDIX C PARTICIPANT INVOLVEMENT PROGRAM (PIP)

Riverview Substation

PIP Summary

1.0 Participant Involvement Program (PIP)

1.1 PIP Design

The AESO's PIP was designed to notify the parties notified in the transmission facility owners' (TFOs') 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 Rule 007 (AUC Rule 007), effective July 4, 2017.

From November 2016 to November 2017, the AESO conducted a PIP to assist in preparing its *Riverview Substation Needs Identification Document* (NID). The AESO directed the transmission facility owners (TFOs), in this case AltaLink Management Ltd. (AltaLink), in its capacity as general partner of AltaLink, L.P., and EPCOR Distribution and Transmission Inc. (EDTI), to assist the AESO in providing notification as part of the AESO's PIP.

1.2 Stakeholder Notification

The Stakeholder notification included two distinct rounds of notification. Round 1 occurred between November 2016 and April 2017 and Round 2 occurred between September 2017 and November 2017. As discussed in Section 1.2.2, Round 2 notifies Stakeholders of revisions to the information provided in the Round 1 Stakeholder Notification.

1.2.1 Round 1 Stakeholder Notification (November 16, 2016 to April 21, 2017)

For the Round 1 Stakeholder Notification, the AESO developed a one-page AESO Need Overview document that notified Stakeholders of the following items:

- a description of the need for development;
- a description of the AESO's preferred option to respond to the system access service request;

- identification of the general area where facilities could be installed to implement the AESO's preferred option to respond to the system access service request;
- the AESO's contact information, including telephone, email and website, for further information; and
- the AESO's next steps, including the AESO's intention to 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/riverview-substation/> on November 23, 2016 and a notice was published in the AESO Stakeholder Newsletter on November 24, 2016. Copies of the Need Overview posting and the AESO Stakeholder Newsletter notice have been included as Attachments 1 and 2, respectively. The Need Overview was also included with each of the TFOs' project-specific information packages that were distributed to Stakeholders between November 16, 2016 and April 21, 2017, as more fully described below.

Each of the TFOs' project newsletters included the AESO's contact information, a description of the AESO's role, a reference to the AESO's Need Overview, and an invitation to contact the TFO or the AESO for additional information.

1.2.1.1 AltaLink's Round 1 Stakeholder Notification

AltaLink advised that its Round 1 Stakeholder Notification was based on its original proposed scope of work, which included applying for, constructing, and owning the two new 240 kV transmission circuits that connect the proposed Riverview substation to the existing 240 kV transmission line 1139L.¹ AltaLink has also advised the AESO that its Round 1 Stakeholder Notification was in accordance with the Commission's minimum recommendation for the type of facility application identified by AltaLink.² In addition, AltaLink notified the nearby community of River Heights.

In total, AltaLink notified 47 Stakeholders in its Round 1 Stakeholder Notification, of which AltaLink classified 24 as private landowners, encumbrance holders, or individuals. Table 1 lists the other 23 Stakeholders AltaLink notified and provides AltaLink's rationale for their inclusion in its Stakeholder notification.

¹ The 240 kV transmission line 1139L is currently named the 1043L. After the approved Harry Smith 367S substation is constructed and connected to the Alberta interconnected electric system, with a targeted in-service date of December 5, 2017, the transmission line will be renamed the 1139L. The Harry Smith 367S substation was approved through the *South and West Edmonton Transmission Development Needs Identification Document* (SW Edmonton NID), which was originally approved by the Alberta Utilities Commission on May 5, 2014 in Approval No. U2014-183 and Decision 2014-126.

² AltaLink has identified its facility application to be of the type: *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*, as categorized in AUC Rule 007, Appendix A1, Section 5.

Table 1: Summary of Notified First Nations, Agency and Industry Stakeholders

Stakeholder	Rationale for Inclusion in PIP
Alberta Culture and Tourism	Provincial regulatory requirement
Alberta Environment and Parks – Fish and Wildlife, North Saskatchewan Region	Provincial regulatory requirement
Alberta Environment and Parks – Regional Approvals, North Saskatchewan Region	Provincial regulatory requirement
Alberta Infrastructure – Land Planning	Provincial regulatory requirement
Alberta Infrastructure – Properties Division	Provincial regulatory requirement
Alberta Transportation	Provincial regulatory requirement
ATCO Pipelines	Pipeline Owner in the notification area
Capital Region Board	Municipal regulatory requirement (land use authority)
Cedar Creek Energy Ltd.	Industrial facility owner in the project area
City of Edmonton	Municipal regulatory requirement (land use authority)
Ducks Unlimited	Potential wetland impact
Enoch Cree Nation	Historical ties to land in project area
Encana Corporation	Pipeline Owner in the project area
Innovation, Science and Economic Development Canada	Federal regulatory requirement
Imperial Oil Resources Ltd.	Pipeline Owner in the project area
NAV Canada	Federal regulatory requirement
Obsidian Energy Ltd. (formerly Penn West Petroleum)	Previously owned industrial facilities in the area (Note, all facilities sold to Cedar Creek)
Papaschase First Nation	Interested First Nation
Rogers Communications	Industry Owner in the project area
STARS Air Ambulance	Provincial regulatory requirements
TELUS Communications Inc.	Industry Owner in the project area
TM Mobile Inc.	Industry Owner in the project area
Transport Canada	Federal regulatory requirement

AltaLink's Round 1 Stakeholder Notification included distributing project-specific information packages to Stakeholders between November 16, 2016 and January 11, 2017. On November 16, 2016, AltaLink's Round 1 project-specific information package was also posted on AltaLink's project-specific webpage at <http://www.altalink.ca/projects/view/254/epcor-riverview-substation-connection>

Attachment 3 includes AltaLink's project newsletter, *EPCOR Riverview Substation Connection* (November 2016), that was distributed with AltaLink's Round 1 project-specific information packages, which was included in AltaLink's Round 1 project-specific information packages with the AESO Need Overview.

1.2.1.2 EDTI's Round 1 Stakeholder Notification

EDTI advised that its Round 1 Stakeholder Notification was based on its original proposed scope of work, which included applying for, constructing, and owning the proposed Riverview substation. EDTI has also advised the AESO that its Round 1 Stakeholder Notification was in accordance with the Commission's minimum recommendation for notification for the type of facility application identified by EDTI.³ In addition, EDTI advised that its notification area was expanded to the south of the proposed Riverview substation to also include landowners of a residential subdivision along River Heights Drive, approximately 400 metres southwest of the proposed substation.

In total, EDTI notified 38 Stakeholders in its Round 1 Stakeholder Notification, of which 22 were classified as private residents, occupants, or landowners. Table 2, provided in Section 1.2.2.2, indicates the other 16 stakeholders that EDTI included in its Round 1 Stakeholder Notification; and provides EDTI's rationale for their inclusion in its Stakeholder notification.

EDTI's Round 1 Stakeholder Notification included distributing project-specific information packages to Stakeholders between November 16, 2016 and April 21, 2017. On November 23, 2016, a copy of EDTI's information package, which included the AESO Need Overview, was posted on EDTI's project-specific webpage at <https://www.epcor.com/products-services/infrastructure/construction-projects/Pages/riverview-substation-project.aspx>

Attachment 4 includes a copy of the EDTI Round 1 project newsletter, *Riverview Substation Project* (November 2016), which was included in EDTI's Round 1 project-specific information packages with the AESO Need Overview.

³ EDTI has identified its facility application to be of the type: *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*, as categorized in AUC Rule 007, Appendix A1, Section 5.

1.2.2 Round 2 Stakeholder Notification (September 6, 2017 to October 18, 2017)

For the Round 2 Stakeholder Notification, the AESO developed a one-page AESO Need Overview Update document that notified Stakeholders of a revision to the date that the AESO intends to apply to the AUC for approval of the need. It also notified Stakeholders of the following items:

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

A copy of the Need Overview Update was posted to the AESO website at <https://www.aeso.ca/grid/projects/riverview-substation/> on September 8, 2017 and a notice was published in the AESO Stakeholder Newsletter on September 12, 2017. Copies of the Need Overview Update posting and the AESO Stakeholder Newsletter notice have been included as Attachments 5 and 6, respectively. The Need Overview Update was also included with each of the TFOs' Round 2 project-specific information packages that were distributed to Stakeholders between September 6, 2017 and October 18, 2017, as more fully described below.

Each of the TFOs' project newsletters included the AESO's contact information, a description of the AESO's role, a reference to the AESO's Need Overview Update, and an invitation to contact the TFO or the AESO for additional information.

1.2.2.1 AltaLink's Round 2 Stakeholder Notification

AltaLink's Round 2 Stakeholder Notification notified the Stakeholders that were notified in Round 1 of a revision to its project schedule and revisions to its proposed scope of work.

AltaLink's notified Stakeholders that the 240 kV transmission circuits will now be part of EDTI's revised scope of work.

AltaLink advised that its Round 2 Stakeholder Notification included the same Stakeholders that were included in its Round 1 Stakeholder Notification described in Section 1.1.1.1. AltaLink has advised the AESO that its Round 2 Stakeholder Notification was in accordance with the Commission's minimum recommendation for the type of facility application identified by AltaLink.⁴ In addition, AltaLink notified the nearby community of River Heights.

⁴ AltaLink has identified its facility application to be of the type: *Overhead or underground transmission line and/or new substation development and/or substation upgrades and/or minor transmission line*

AltaLink's Round 2 Stakeholder Notification included distributing Round 2 project-specific information packages to Stakeholders between September 7, 2017 and September 13, 2017. On September 8, 2017, AltaLink's Round 2 project-specific information package was also posted on AltaLink's project-specific webpage at <http://www.altalink.ca/projects/view/254/epcor-riverview-substation-connection>

Attachment 7 includes AltaLink's project update, *EPCOR Riverview Substation Connection Project Update* (August 31, 2017), that was distributed with AltaLink's Round 2 project-specific information packages with the AESO Need Overview Update.

1.2.2.2 EDTI's Round 2 Stakeholder Notification

EDTI advised the AESO that its Round 2 Stakeholder Notification notified Stakeholders of revisions to its project schedule and revisions to its proposed scope of work, which had three major changes:

- A proposed second site for the proposed Riverview substation. This proposed second site location is 170 metres to the east of the originally proposed Riverview substation site;
- The two new 240 kV transmission circuits that connect the proposed Riverview substation to the existing 240 kV transmission line 1139L are now being included in EDTI's scope of work, instead of AltaLink's scope of work.
- A fibre optic line, FO-34, that EDTI determined is needed for the project to meet the AESO reliability criteria for protection system communication requirements.

EDTI advised the AESO that, in light of the above listed changes, EDTI refreshed land titles and reviewed the Stakeholder notification area. EDTI confirmed that the notification area for the substation and transmission line scope of work (Round 2A Stakeholder Notification) was the same as the Round 1 notification area and has advised that this meets the AUC Rule 007 Appendix A1 minimum recommended notification for a facility application of its type.⁵ EDTI advised that new Stakeholders were notified (Round 2B Stakeholder Notification) as a result of the proposed FO-34. EDTI advised that this notification meets the AUC Rule 007 Appendix A1 minimum recommended notification for fibre optic facilities.

EDTI advised that, depending on Stakeholders proximity to FO-34, Stakeholders that were included in the EDTI Round 1 Stakeholder Notification were either included in EDTI's Round 2A or Round 2B Stakeholder Notification.

replacements within the original right-of-way – urban, as categorized in AUC Rule 007, Appendix A1, Section 5.

⁵ EDTI has identified its facility application to be of the type: *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, as categorized in AUC Rule 007, Appendix A1, Section 5.*

The Stakeholders included in the Round 2A and the Round 2B Stakeholder Notification received a Round 2 project-specific information package, which included updated information about the proposed substation and the proposed 240 kV transmission lines. The Stakeholders included in the Round 2B Stakeholder Notification also received the information regarding FO-34.

Attachment 8 includes the *Riverview Substation Project Update* (September 2017), which was distributed with the EDTI's Round 2A and Round 2B project-specific information packages with the AESO Need Overview Update. Attachment 9 includes the Fibre Optic Line Installation Material (September 2017), which was also distributed in the Round 2B project-specific information packages.

EDTI Round 2A Stakeholder Notification

In total, EDTI notified 32 Stakeholders in its Round 2A Stakeholder Notification regarding the substation and the transmission line scope of work, of which 22 were classified as private residents, occupants, and landowners. Table 2 indicates the other 10 Stakeholders that EDTI included in its Round 2A Stakeholder Notification; and provides EDTI's rationale for their inclusion in its Round 2A Stakeholder Notification.

EDTI's Round 2A Stakeholder Notification included distributing Round 2A project-specific information packages to Stakeholders between September 7, 2017 and October 18, 2017. On September 7, 2017, a copy of EDTI's Round 2A information package, which included the AESO Need Overview Update, was posted on EDTI's project-specific webpage at <https://www.epcor.com/products-services/infrastructure/construction-projects/Pages/riverview-substation-project.aspx>

EDTI Round 2B Stakeholder Notification

In total, EDTI notified 64 Stakeholders in its Round 2B Stakeholder Notification regarding the substation, the transmission line, and FO-34; 49 Stakeholders were classified as private residents, occupants, and landowners. Table 2 indicates the other 15 Stakeholders that EDTI included in its Round 2B Stakeholder Notification; and provides EDTI's rationale for their inclusion in its Round 2B Stakeholder Notification.

EDTI's Round 2B Stakeholder Notification included distributing a Round 2B project-specific information packages to Stakeholders between September 12, 2017 and October 17, 2017. On September 13, 2017, EDTI's fibre optic line installation notice, *Riverview Fibre Optic Line Installation* (September 2017), was posted on EDTI's website at <https://www.epcor.com/products-services/infrastructure/construction-projects/Pages/riverview-fibre-optic-line-installation.aspx>

Table 2: Summary of Notified First Nations, Government and Industry Stakeholders

Stakeholder	Rationale for Inclusion in PIP	Received EDTI PSIP Round		
		1	2A	2B
761792 Alberta Ltd	Landowner in the notification area	X	X	
Alberta Culture and Tourism	Provincial regulatory requirement	X	X	
Alberta Energy	Potentially interested party	X	X	
Alberta Energy Regulator	Involvement in oil and gas development	X		X
Alberta Environment and Parks – Fish and Wildlife, North Saskatchewan Region	Provincial regulatory requirement		X	
Alberta Infrastructure – Land Planning	Provincial regulatory requirement	X		X
Alberta Transportation	Provincial regulatory requirement	X		X
AltaLink	Encumbrance holder in FO-34 fibre optic route			X
Al-Terra Engineering Ltd.	Party involved in unrelated road construction near project area			X
ATCO Pipelines	Pipeline owner in the project area	X		X
Cedar Creek Energy	Oil and gas facility owner in the project area	X		X
City of Edmonton	Municipal regulatory requirement (land use authority)	X		X
Dorin Land and Oilfield Management Inc.	Interested party that represents landowners in the notification area	X	X	
Ducks Unlimited	Potential wetland impact		X	
Enoch Cree Nation	Historical ties to land in the project area	X		X
EPCOR Water Services Inc.	Landowner in FO-34 fibre optic route			X
Innovation, Science and Economic Development Canada	Federal regulatory requirement	X	X	
ISL Engineering and Land Services	Contacted EPCOR with general interest in the project			X

NAV Canada	Federal regulatory requirement		X	
Obsidian Energy Ltd. (previously Penn West Petroleum)	Previously owned industrial facilities in area (Note, all facilities sold to Cedar Creek)	X		X
Papaschase First Nation	Interested First Nation	X		X
Riverview Commercial Lands Inc.	Major landowner in the project area	X	X	
TELUS Communications Inc.	Encumbrance holder in FO-34 fibre optic route			X
Trans Mountain Pipeline ULC	Pipeline project planned in the area	X		X
Transport Canada	Federal regulatory requirement		X	

1.3 Filing Notification

Following the Round 1 Stakeholder Notification, the AESO notified Stakeholders of its intention to submit the NID to the Commission by posting a Notification of NID Filing to the AESO website at <https://www.aeso.ca/grid/projects/riverview-substation/> on February 8, 2017 and a notice in the AESO Stakeholder Newsletter on February 9, 2017. Copies of the Notification of NID Filing posting and the AESO Stakeholder Newsletter notice have been included as Attachments 10 and 11, respectively.

The project was then delayed due to revisions to the scope of work. Following the Round 2 Stakeholder Notification, the AESO posted an Updated Notification of NID Filing to the AESO website at <https://www.aeso.ca/grid/projects/riverview-substation/> on November 7, 2017 and a notice in the AESO Stakeholder Newsletter on November 7, 2017. Copies of the Updated Notification of NID Filing posting and the AESO Stakeholder Newsletter notice have been included as Attachments 12 and 13, respectively.

1.4 Responding to Questions and Concerns

To ensure that Stakeholders had the opportunity to provide feedback, the AESO provided Stakeholders with the 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 and the AESO Need Overview Update 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 TFOs were prepared to direct any Stakeholder questions addressed to the AESO, or questions regarding the AESO Need Overview or the AESO Need Overview Update, to the AESO.

1.5 Concerns and Objections Raised

The TFOs have advised that Stakeholders have not identified any concerns or objections with the need for development or the AESO's preferred option to respond to the system access service request.

The AESO was copied on a Stakeholder correspondence that was sent to AltaLink regarding a siting concerns related to AltaLink's and EDTI's proposed scope of work. This Stakeholder did not express any concerns or objections with the need for development or the AESO's preferred option to respond to the system access service request. This Stakeholder concern is addressed in EDTI's Facility Proposal, *Riverview Substation New POD*.

1.6 List of Attachments

- Attachment 1 – AESO Need Overview (November 2016)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (November 24, 2016)
- Attachment 3 – AltaLink's Round 1 Project Newsletter – *EPCOR Riverview Substation Connection* (November 2016)
- Attachment 4 – EDTI's Round 1 Project Newsletter – *Riverview Substation Project* (November 2016)
- Attachment 5 – AESO Need Overview Update (September 2017)
- Attachment 6 – AESO Stakeholder Newsletter Need Overview Update Notice (September 12, 2017)
- Attachment 7 – AltaLink's Round 2 Project update – *EPCOR Riverview Substation Connection Project Update* (August 31, 2017)
- Attachment 8 – EDTI's Round 2 Project Newsletter – *Riverview Substation Project Update* (September 2017)
- Attachment 9 – EDTI's Round 2 Fibre Optic Line Notice – *Riverview Fibre Optic Line Installation* (September 2017)
- Attachment 10 – AESO Notification of NID Filing (February 2017)
- Attachment 11 – AESO Stakeholder Newsletter NID Filing Notice (February 8, 2017)
- Attachment 12 – AESO Notification of NID Filing Update (November 2017)
- Attachment 13 – AESO Stakeholder Newsletter NID Filing Notice Update (November 7, 2017)

Attachment 1 – AESO Need Overview (November 2016)

Need for the Riverview Substation in the City of Edmonton



FAST FACT

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

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

> PROPOSED SOLUTION

- Add a new substation, to be called the Riverview substation, with two 240/25 kilovolt (kV) transformers, four 240 kV circuit breakers, and associated equipment.
- Add two 240 kV transmission lines to connect the proposed Riverview substation to the existing 240 kV transmission line 1043L.
- Add associated equipment as required to facilitate the proposed transmission development.

> NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in early 2017.
- The AESO's needs identification document (NID) application will be available on the AESO's website at <https://www.aeso.ca/grid/projects/> at the time of its application to the AUC.

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.
- Is regulated by the AUC and must apply to the AUC for approval of its NID.

> ALTALINK MANAGEMENT LTD. (ALTALINK) & EPCOR:

- Are the transmission facility owners in the area of the proposed transmission development.
- Are responsible for detailed siting and routing, constructing, operating and maintaining the transmission facilities within their respective service areas.
- Will coordinate the proposed transmission development described above.
- Are regulated by the AUC and must apply to the AUC for approval of their transmission facilities applications.

> CONTACT US

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

Alberta Electric System Operator
Jennifer Vollmer

AESO Stakeholder Relations

stakeholder.relations@aeso.ca
1-888-866-2959

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

> 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 2 – AESO Stakeholder Newsletter Need Overview Notice
(November 24, 2016)**

Riverview Substation – Need for Transmission System Development in the City of Edmonton

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

- Add a new substation, to be called the Riverview substation, with two 240/25 kilovolt (kV) transformers, four 240 kV circuit breakers, and associated equipment.
- Add two 240 kV transmission lines to connect the proposed Riverview substation to the existing 240 kV transmission line 1043L.
- Add associated equipment as required to facilitate the proposed transmission development.

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 > Project > Riverview Substation

Attachment 3 – AltaLink’s Round 1 Project Newsletter – *EPCOR Riverview Substation Connection (November 2016)*



November 2016

Electric system improvements near you

EPCOR Riverview Substation Connection

AltaLink's transmission system efficiently delivers electricity to 85 per cent of Albertans. Dedicated to meeting the growing need for electricity, AltaLink connects Albertans to reliable power. With a commitment to community and environment, AltaLink is ensuring the transmission system will support Albertans' quality of life for years to come. Learn more at www.altalink.ca.

You are receiving this newsletter because you are near the EPCOR Riverview Substation Connection and we want your input.

EPCOR Distribution & Transmission Inc. (EPCOR) has requested transmission system access to enhance the reliability of their distribution system. The proposed Riverview substation, to be constructed by EPCOR, if approved would connect to the existing transmission system. You may have received information from EPCOR regarding their substation project.

AltaLink is proposing to connect EPCOR's Riverview Substation to the transmission system by building two short transmission lines between the proposed substation and an existing transmission line. The new transmission lines will be constructed, operated and maintained by AltaLink.

We are providing you with:

- project details
- a map of the proposed project site
- information about how you can provide your input
- the project schedule

DEFINITION:

Transmission

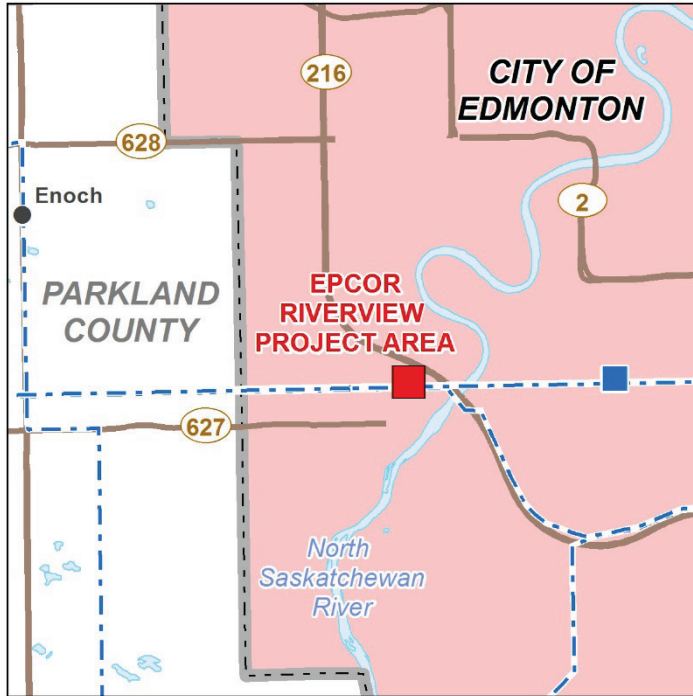
Transmission lines make up Alberta's electric highway, linking the places where power is generated to your community where power is used. Transmission lines transport large amounts of power over long distances from power plants across the province. The transmission system connects diverse sources of power generation including wind, high-efficiency coal, natural gas and more.

CONTACT US

1-877-267-1453

stakeholderrelations@altalink.ca

www.altalink.ca/regionalprojects



LEGEND

■ EPCOR Riverview Project Area	 Municipal or County Boundary
■ Existing Substation	 Road
- - - Existing Transmission Line	 Urban Area
● Hamlet or Locality	 Water Body

Project details

The proposed project is located in the city of Edmonton near Anthony Henday Drive and 184 Street NW. The project involves constructing two adjacent transmission lines, both approximately 60 metres in length, to connect EPCOR’s proposed Riverview Substation to the electric system.

These upgrades to the electric system will respond to the increase in demand for power in the Edmonton area and enhance the reliability of the electric system.

The proposed structures will look similar to the structures shown in the bottom left and will:

- be steel monopole structures
- be approximately 20 to 35 metres tall
- have a right-of-way approximately 25 metres wide

The proposed transmission lines will connect to an existing AltaLink transmission line directly south of EPCOR’s proposed substation. Once the new lines are connected to the substation, a portion of the existing transmission line will be removed, creating two separate transmission lines. Please refer to the included maps for a detailed overview of the project.

The number of structures and structure types required for this connection will be determined after detailed engineering is completed. Construction workspace and off right-of-way access may be required; these locations have not yet been identified.



The proposed structures may look similar to the above

Electric and Magnetic Fields (EMF)

AltaLink recognizes that people have concerns about exposure to Electric and Magnetic Fields (EMF) and we take those concerns seriously. Everyone in our society is exposed to EMF from many sources, including:

- power lines and other electrical facilities
- electrical appliances in your home
- building wiring

National and international organizations such as Health Canada and the World Health Organization have been conducting and reviewing research about EMF for more than 40 years. Based on this research, these organizations have not recommended the general public take steps to limit their everyday exposure to EMF from high voltage transmission lines. If you have any questions about EMF please contact us.

Website: www.altalink.ca/emf

Email: emfdialogue@altalink.ca

Toll-free phone number: 1-866-451-7817

Providing your input

We will contact landowners, residents and occupants near the proposed transmission project to gather input and address questions or concerns.

After the consultation process is complete we will file an application with the Alberta Utilities Commission (AUC). The AUC will review the application through a process in which stakeholders can participate.

We will notify stakeholders when we file the application and when the AUC has reached a decision about the project. To learn more about the AUC process and how you can become involved, please refer to the brochure included in this package titled *Public involvement in a proposed utility development*.

Anticipated project schedule

Notify and consult with stakeholders	November 2016 – January 2017
File application with Alberta Utilities Commission (AUC)	February 2017
Start construction if project is approved	August 2018
Construction completed	October 2018

Although we attempt to follow the anticipated project schedule it is subject to change. We will continue to provide you with updated schedule information if required as the project progresses.

Contact us

To learn more about the proposed project please contact:

ALTALINK

1-877-267-1453 (toll-free)

E-mail: stakeholderrelations@altalink.ca

Website: www.altalink.ca/regionalprojects

To learn more about the EPCOR's proposed project please contact:

EPCOR

1-(780)-412-4040

E-mail: consultation@epcor.com

Website: www.epcor.com

To learn more about Alberta's electric system and the need for the project, please contact:

ALBERTA ELECTRIC SYSTEM OPERATOR (AESO)

1-888-866-2959 (toll-free)

E-mail: stakeholder.relations@aeso.ca

To learn more about the application and review process, please contact:

ALBERTA UTILITIES COMMISSION (AUC)

1-(780)-427-4903 (toll-free by dialing 310-0000 before the number.)

E-mail: consumer-relations@auc.ab.ca

Other projects in your area

AltaLink's Harry Smith Substation and Transmission Line project will be located to the west of Edmonton and south of Spruce Grove. The preferred routes and substation location were approved for the project. Construction started in October 2016 and is scheduled to be completed by December 2017.

PRIVACY COMMITMENT

AltaLink is committed to protecting your privacy. Collected personal information will be protected under AltaLink's Privacy Policy and Alberta's *Personal Information Protection Act*. As part of the regulatory process for new transmission projects, AltaLink may provide your personal information to Alberta Utilities Commission (AUC). For more information about how AltaLink protects your personal information, visit our website at www.altalink.ca/privacy or contact us directly via e-mail privacy@altalink.ca or phone at 1-877-267-6760.

INCLUDED IN THIS INFORMATION PACKAGE:

- Project map
- AUC brochure: *Public involvement in a proposed utility development*
- AESO Need Overview Document

DEFINITION:

AESO

The Alberta Electric System Operator (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 you may contact the AESO directly or you can make your concerns known to an AltaLink 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.

SUBSCRIBE TO THIS PROJECT

- 1) Visit: altalink.ca/projects
- 2) Search for the project title
- 3) Click **Subscribe to Updates**

LET'S TALK TRANSMISSION



www.twitter.com/altalink



www.facebook.com/altalinktransmission

Attachment 4 – EDTI’s Round 1 Project Newsletter – *Riverview Substation Project (November 2016)*

The background image shows two utility workers in blue uniforms and white hard hats at a substation. One worker is pointing towards a large piece of equipment labeled "TRANS 1". The foreground is dominated by a large, textured metal surface, likely a transformer or part of the substation's infrastructure. The scene is set outdoors with a clear sky and some distant structures.

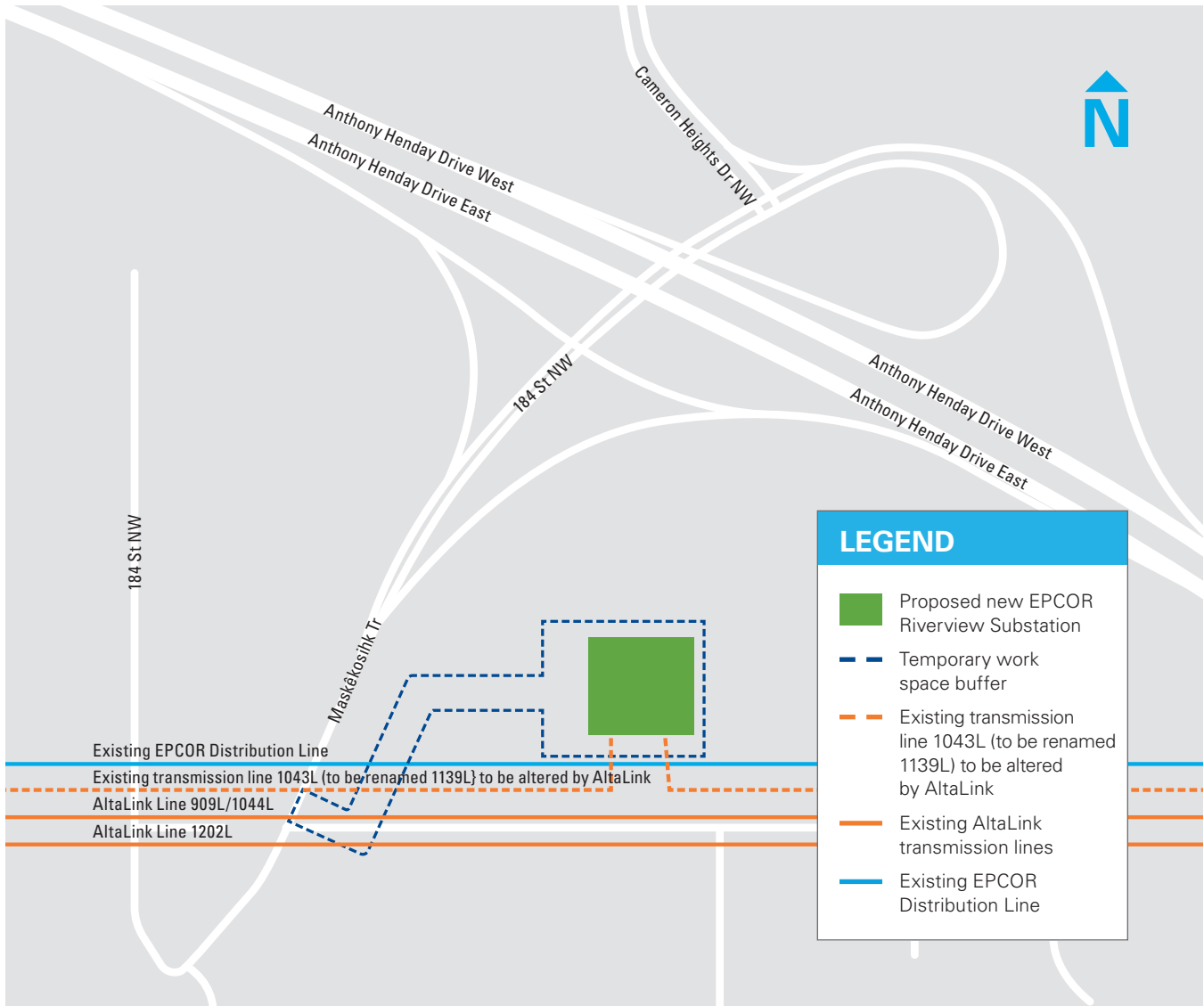
RIVERVIEW SUBSTATION PROJECT

You are receiving this package because you are a landowner, resident, occupant or interested party near a proposed EPCOR Transmission project. We would like your input on plans to build a new substation in southwest Edmonton.

Project Overview

Southwest Edmonton has experienced a considerable amount of growth over the past few years and the demand for electricity is forecasted to increase as further residential and commercial development occurs in the area. The increased demand for electricity is forecasted to cause capacity constraint that will limit EPCOR's ability to deliver reliable power to the area. To resolve this issue, we are planning to construct a new substation in the transportation utility corridor near the Anthony Henday Drive, just east of Maskêkoishk Trail (formerly 184th Street).

PROPOSED SUBSTATION MAP



Proposed Riverview Substation

The proposed Riverview substation will address capacity constraints and allow us to continue to provide reliable power to homes and businesses in the growing area of southwest Edmonton. This project must be approved by the Alberta Utilities Commission (AUC) and if approved, the fenced boundary of the proposed Riverview substation site will be approximately 100 metres by 100 meters and will include the following equipment:

- Two 240 kV/25 kV transformers
- Four 240 kV circuit breakers
- Associated switches and equipment
- Installation of a chain link fence to enclose the new substation site

ALTALINK

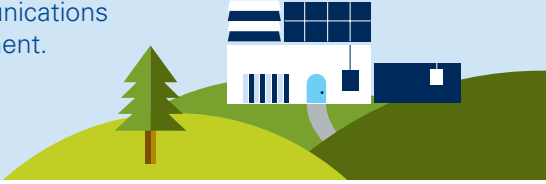
The new substation will connect to AltaLink's 1043L (to be renamed 1139L) transmission line.

Please contact AltaLink for more information regarding alterations to transmission line 1043L (to be renamed 1139L) at:

Call: **1-877-267-1453 (toll-free)**
 Email: **stakeholderrelations@altalink.ca**
 Website: **altalink.ca/regionalprojects**

WHAT IS A SUBSTATION?

Substations are where electricity is stepped down from high voltage electricity to lower voltage that can be used in our homes and businesses. Substations can include equipment such as transformers, circuit breakers, current limiting equipment and communications equipment.



Substation Site Selection

During the process of determining potential sites, we take the following factors into consideration in an effort to find a location with the lowest overall impact:

- Agricultural
- Residential
- Environmental
- Electrical
- Cost
- Visual

Along with these factors, the proposed substation site was selected because it is within a designated utility corridor, in close proximity to connect to existing transmission lines, provides sufficient access for construction and maintenance vehicles, minimizes environmental impacts, and has adequate setback from existing development.

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, as well as EPCOR's health, safety and environmental procedures and

guidelines. If this project is approved, EPCOR will require temporary workspace around the proposed substation site and a temporary access trail from Maskêkoishk Trail to access the site during construction (as shown on the proposed substation map).

Construction

For more information on anticipated construction impacts from this project, please visit epcor.com/consultation.

Next Steps

We are beginning our public consultation program and invite you to contact us to discuss this project. Over the coming weeks, project team members will contact landowners, occupants, and residents who are directly adjacent to the proposed substation site. If you have questions or concerns or if you would like to provide feedback please contact us:

Call: **780-412-4040**

Email: consultation@epcor.com

Website: epcor.com/consultation

Once we have received input from the public, EPCOR will submit a facility application to the AUC for approval to construct the new substation.

This project requires two regulatory approvals from the AUC: approval of the Alberta Electric System Operator's (AESO) Needs Identification Document (NID), as explained in the AESO's Need Overview included with this package, and approval of EPCOR's facility application. For more information about how you can participate in the process, please visit the AUC website.

www.auc.ab.ca/news-room/brochures/Documents/PublicInvolvement.pdf

PROPOSED SCHEDULE



For updates to the project timeline, please visit epcor.com/consultation

About EPCOR

We build, own and operate electrical transmission and distribution networks, water and wastewater treatment facilities and infrastructure in Canada and the United States.

We provide electricity and water services and products to residential and commercial customers. In addition, we deliver competitive power systems, transportation electrical systems and utility support services.

We own and operate substations and transmission lines, which form part of the Alberta interconnected electric system, and are situated primarily within the City of Edmonton. We are regulated by the Alberta Utilities Commission (AUC).

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 you may contact the AESO directly.

Call: **1-888-866-2959**

E-mail: **stakeholder.relations@aeso.ca**

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.



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.

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 that 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 work. For more information about how you can participate in the process, please visit the AUC website.

[www.auc.ab.ca/news-room/brochures/ Documents/PublicInvolvement.pdf](http://www.auc.ab.ca/news-room/brochures/Documents/PublicInvolvement.pdf)

WE WOULD LIKE YOUR INPUT

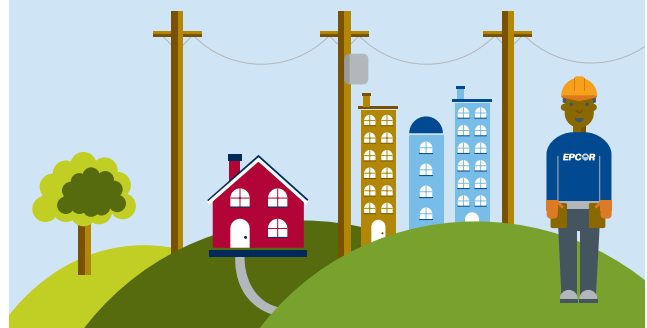
Contact us

EPCOR believes in listening to and engaging stakeholders. Community input and involvement is an important part of our decision-making. We believe in working towards solutions together and consulting with the public on initiatives. If you have any questions or would like to provide input on the project, please contact us:

Call: **780-412-4040**

Email: **consultation@epcor.com**

Website: **epcor.com/consultation**



Attachment 5 – AESO Need Overview Update (September 2017)

Need for the Riverview Substation in the City of Edmonton

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. Distribution of the original AESO Need Overview began in November 2016. The proposed solution remains the same, however, the date the AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need has changed. EPCOR's request can be met by the following solution:

> PROPOSED SOLUTION

- Add a new substation, to be called the Riverview substation, with two 240/25 kilovolt (kV) transformers, four 240 kV circuit breakers, and associated equipment.
- Add two 240 kV transmission lines to connect the proposed Riverview substation to the existing 240 kV transmission line 1043L.
- Add associated equipment as required to facilitate the proposed transmission development.

> REVISED NEXT STEPS

- The AESO has revised its schedule. The AESO now intends to apply to the AUC for approval of the need in late 2017 or early 2018.
- The AESO's needs identification document (NID) application will be available on the AESO's website at <https://www.aeso.ca/grid/projects/> at the time of its application to the AUC.

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.
- Is regulated by the AUC and must apply to the AUC for approval of its NID.

> ALTALINK MANAGEMENT LTD. (ALTALINK) & EPCOR:

- Are transmission facility owners (TFOs). EPCOR and AltaLink both own transmission facilities within the City of Edmonton.
- Are responsible for detailed siting and routing, constructing, operating and maintaining their transmission facilities.
- AltaLink and EPCOR will coordinate the proposed transmission development described above.
- Are regulated by the AUC and must apply to the AUC for approval of their transmission facilities applications.



FAST FACT

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

> CONTACT US

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

**Alberta Electric System Operator
Jennifer Vollmer**

AESO Stakeholder Relations

stakeholder.relations@aeso.ca
1-888-866-2959

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

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

> 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 6 – AESO Stakeholder Newsletter Need Overview Update Notice
(September 12, 2017)**

Information Update on the Riverview Substation – Need for Transmission Development in the City of Edmonton

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. The proposed solution remains the same, however, the date the AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need has changed. The AESO now intends to apply to the AUC for approval of the need in late 2017 or early 2018. EPCOR's request can be met by the following solution:

- Add a new substation, to be called the Riverview substation, with two 240/25 kilovolt (kV) transformers, four 240 kV circuit breakers, and associated equipment.
- Add two 240 kV transmission lines to connect the proposed Riverview substation to the existing 240 kV transmission line 1043L
- Add associated equipment as required to facilitate the proposed transmission development.

The AESO has posted a Need Overview Update 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 > Project > Riverview Substation

Attachment 7 – AltaLink’s Round 2 Project Newsletter – *EPCOR Riverview Substation Connection Project Update (August 31, 2017)*

August 31, 2017

EPCOR Riverview Substation Connection Project update

You are receiving this letter because there have been changes to the EPCOR Riverview Substation Connection and we'd like to provide you with an update.

You may have received information from EPCOR regarding their Riverview Substation project that is proposed to be constructed in Edmonton in the Transportation/Utility Corridor near the Anthony Henday Drive and Maskêkosihk Trail (formerly 184th Street). EPCOR is proposing a second substation site option approximately 170 metres west of the originally proposed location. EPCOR will be filing both proposed substation locations with the Alberta Utilities Commission (AUC). If approved, only one substation will be built, but any one of the filed site options could be selected by the AUC.

AltaLink is proposing to install steel monopole structures, approximately 20 to 35 metres tall, on the 1043L line to accommodate the connection of the proposed EPCOR substation to the electric system. The number of monopole structures needed will be determined upon completion of detailed engineering. Originally, AltaLink was proposing to apply for, construct and own the two transmission lines connecting the proposed EPCOR Riverview Substation and AltaLink's 1043L existing line (to be renamed 1139L and 1164L). However, EPCOR will now be applying for, constructing, and taking ownership of the approximately 70 metres of new transmission line from AltaLink's 1043L existing line to EPCOR's proposed substation. Approximately 60 metres of existing transmission line will be salvaged as part of this project, please see the included map for details.

If EPCOR's newly proposed substation site option is selected and approved by the AUC, the location of these structures will shift approximately 170 metres west from the previous project information letter you may have received from AltaLink. AltaLink's project schedule has been updated.

File application with Alberta Utilities Commission (AUC)	Late 2017/Early 2018
Start construction	August 2019
Complete construction	October 2019

Project background

AltaLink is proposing to connect EPCOR's Riverview Substation to the transmission system by installing steel monopole structures on an existing transmission line. EPCOR will build and own two short transmission lines (approximately 70 metres long) between the proposed substation and AltaLink's proposed new structures.

Please see the attached AESO Need Overview Update for more information on the need for the project.

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 Update included with this package, or visit www.aeso.ca. If you have any questions or concerns about the need for this project you may contact the AESO directly. You can make your

questions or concerns known to an AltaLink 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.

Contact us

We are available to gather any further input you have or address any questions or concerns. Please contact us at stakeholderrelations@altalink.ca or 1-877-269-5903. Further information about this project is available at: www.altalink.ca/projects/view/254/epcor-riverview-substation-connection

To learn more about the EPCOR's proposed project, please contact EPCOR at 1-780-412-4040 or consultation@epcor.com.

To learn more about Alberta's electric system and the need for the project, please contact the AESO at 1-888-866-2959 or stakeholder.relations@aeso.ca

Sincerely,



Dave Lee
Manager, Stakeholder Engagement

Attachment 8 – EDTI’s Round 2 Project Newsletter – *Riverview Substation Project Update* (September 2017)

The background image for the top half of the page shows a utility substation. In the foreground, there are large, grey metal cabinets with a yellow "TRANS" label. Two workers in blue uniforms and safety vests are visible in the background, one pointing towards the equipment. The scene is outdoors with a clear sky and some vegetation in the distance.

RIVERVIEW SUBSTATION PROJECT UPDATE

In November 2016 we sent you information about the Riverview substation project. We are writing to provide you with an update on the project and how we have used stakeholders' feedback.

Project Overview

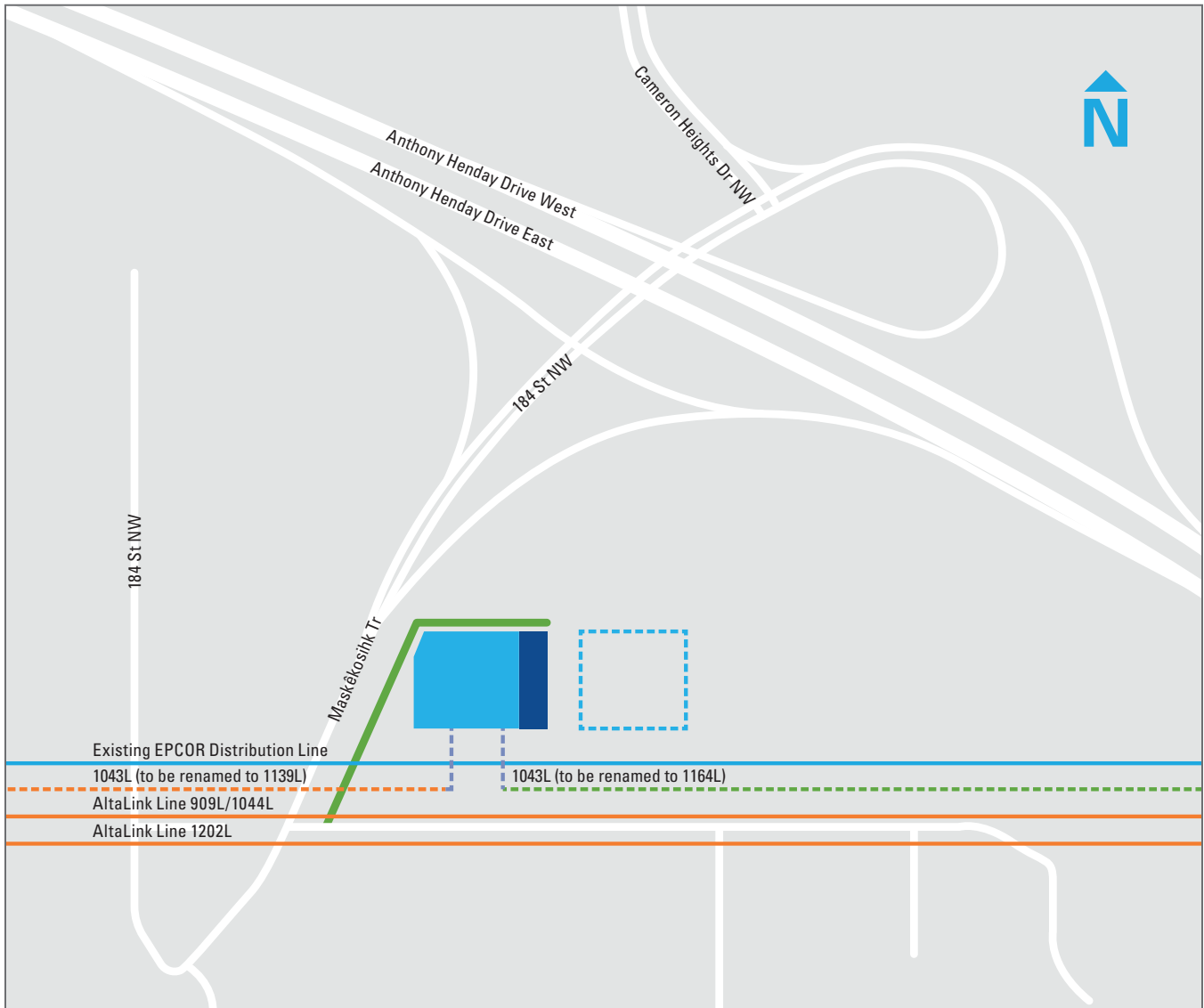
As detailed in the November 2016 project notice, EPCOR is proposing to construct a new substation in the Transportation/Utility Corridor near the Anthony Henday Drive, just east of Maskêkosihk Trail (formerly 184th Street). This will help us to reliably meet increased demand for electricity in Edmonton and reduce the risk of outages to our customers. For more information on the project please visit our website: epcor.com/consultation.

How We Used Stakeholder Input

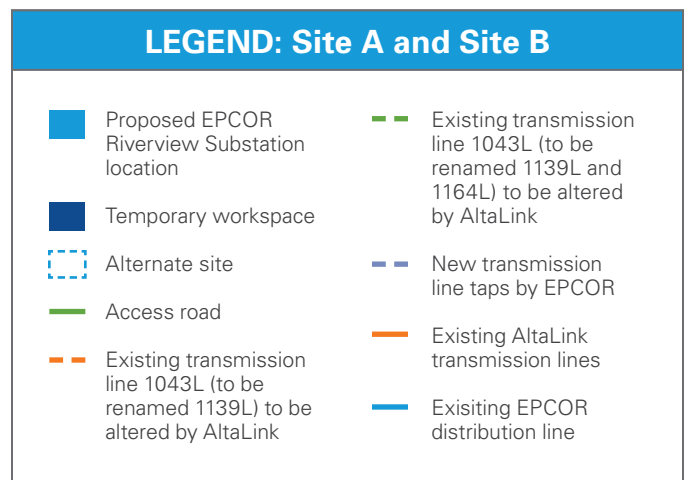
Over the past several months, we conducted personal consultations with landowners, occupants, residents and interested parties located in the vicinity of the proposed substation. Thank you to everyone who took the time to share your comments and input with us on the project.

As a result of the feedback from stakeholders, we are considering a second substation location (Site B) located approximately 170 metres west of the originally proposed location (Site A). Site B is located closer to Maskêkosihk Trail but still within the Transportation/Utility Corridor. We've also identified a proposed access route and temporary workspace area for Site B. EPCOR will include both potential substation locations in its application to the Alberta Utilities Commission (AUC). If approved, only one substation will be built, but either of the filed site options could be selected by the AUC.

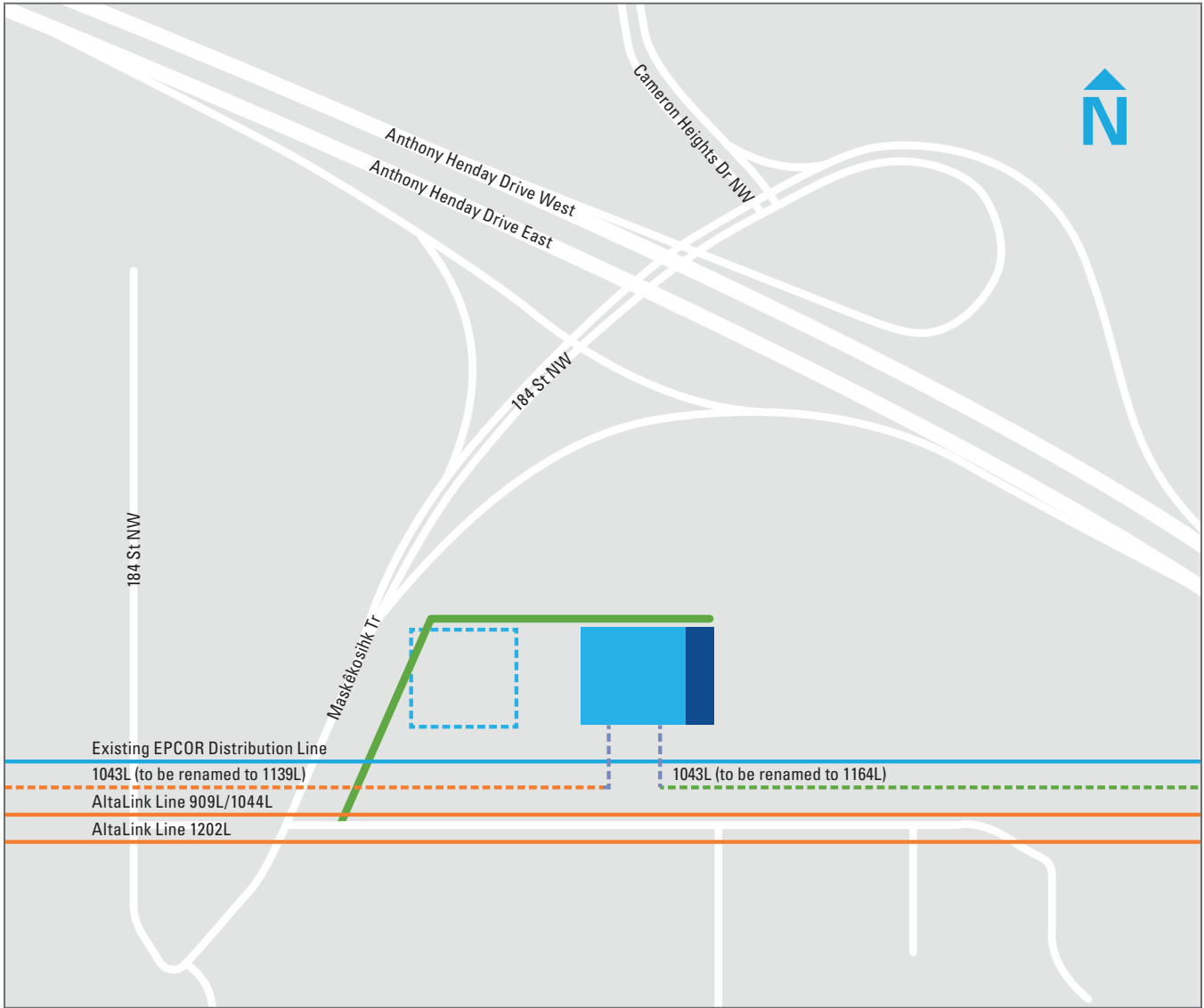
PROPOSED SUBSTATION LOCATION MAP (SITE B)



Note: 1139L will be west of Riverview and 1164L will be east of Riverview. If the project is approved, only one substation will be built. The maps show both substation locations currently under consideration.



PROPOSED SUBSTATION LOCATION MAP (SITE A)



UPDATED PROJECT SCHEDULE



For updates to the project timeline, please visit epcor.com/consultation

Revised Riverview Substation

The plan for the substation itself remains the same. It will be approximately 100 metres by 100 metres and include the following equipment:

- Two 240 kV/25 kV transformers
- Four 240 kV circuit breakers
- Associated switches and equipment
- Installation of a chain link fence to enclose the new substation site

EPCOR also plans to apply for, construct and own two adjacent transmission lines, both approximately 70 metres in length, to connect the substation to AltaLink's 1043L (to be renamed 1139L and 1164L) transmission line. These were originally proposed by AltaLink. AltaLink proposes to install steel monopole structures, approximately 20 to 35 metres tall, on the 1043L line to accommodate this connection.

Next steps

EPCOR will submit a facility application to the Alberta Utilities Commission for approval to construct the new substation. This project requires two regulatory approvals from the AUC:

- Approval of the Alberta Electric System Operator's (AESO's) Needs Identification Document, as explained in the AESO Need Overview Update included with this package
- Approval of EPCOR's facility application

CONTACT US

EPCOR believes in listening to and engaging stakeholders. 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 the project team.

EPCOR

Please contact EPCOR regarding the proposed substation:

Phone: 780-412-4040

Email: consultation@epcor.com

Website: epcor.com/consultation

AltaLink

Please contact AltaLink for more information regarding alterations to the transmission line:

Phone: 1-877-267-1453 (toll-free)

Email: stakeholderrelations@altalink.ca

Website: altalink.ca/regionalprojects

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 Update included with this package, or visit www.aeso.ca. If you have any questions or concerns about the need for this project you may contact the AESO directly. You can 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.

Call: 1-888-866-2959

E-mail: stakeholder.relations@aeso.ca

AUC

The AUC is an independent quasi-judicial agency that ensures that 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 work. For more information about how you can participate in the process, please visit the AUC website: www.auc.ab.ca/AUCPublicInvolvement



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

Attachment 9 – EDTI’s Round 2 Fibre Optic Line Notice – *Riverview Fibre Optic Line Installation* (September 2017)



RIVERVIEW FIBRE OPTIC LINE INSTALLATION

September 2017

What is happening?

EPCOR is proposing to install a new fibre optic cable between the planned Riverview substation (near the Anthony Henday Drive, just east of Maskêkosihk Trail) and the existing E.L. Smith Water Treatment Plant. The proposed project includes the installation of approximately 2.2 km of new fibre optic cable.

- We are currently planning on installing approximately 1.4 km of the proposed fibre optic cable underground in the Transportation/Utility Corridor (TUC) near Anthony Henday Drive. To install the underground fibre optic cable, EPCOR will use a technique called Horizontal Directional Drilling (HDD).
- The remainder of the fibre optic cable (approximately 800 m) is proposed to be installed on an existing wood pole powerline, connecting to the E.L. Smith Water Treatment Plant.
- Three concrete splice boxes will be installed underground along the line. These boxes provide access to the line for installation and maintenance.

The information included above is shown on the enclosed map. The proposed project will occur within the TUC and on E.L. Smith Road, which is owned by EPCOR Water.

What is Horizontal Directional Drilling (HDD)?

HDD is a common construction method used to install underground infrastructure, such as power lines and pipes. It is a trenchless technology that helps to minimize physical disturbance and potential environmental impacts.

What is fibre optic cable?

Fibre optic cable provides a communications link between neighbouring substations, electrical facilities, and EPCOR's control center. This enables EPCOR to monitor and remotely control its equipment, communicate with other operators and ensure the safety and reliability of EPCOR's electrical network.

When will construction begin?

We will apply to the Alberta Utilities Commission for approval for this project in late 2017. If approved, the work is anticipated to start as early as summer 2018 and be completed by summer 2019.

What can I expect during construction?

Visual

You can expect to see activity that is typical to construction, including company/contractor vehicles and equipment in the area. There may be an increased presence of industrial equipment necessary to install the fibre optic cable.

Construction Noise

Work will create typical noise associated with construction. We will take measures to ensure we 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 required permits.

Hours of Operation

We anticipate our hours of work from 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

During construction we may need to temporarily limit access to E.L. Smith Road. Proper signs and barricades will be put up during these temporary closures. At this time, EPCOR does not anticipate any impacts to Anthony Henday Drive.

Power Supply





We do not anticipate any power service interruptions from this proposed work.

Work Space and Environment

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 as well as EPCOR's health, safety and environmental procedures and guidelines.



LEGEND

-  Planned Riverview substation
-  E.L. Smith water treatment plant
-  Proposed underground fibre optic line
-  Proposed aerial fibre optic line on existing poles

Other Projects in the Area

Riverview Substation Project

EPCOR is proposing to construct the Riverview substation in the TUC near Anthony Henday Drive, just east of Maskêkosihk Trail (formerly 184 Street NW) to meet the increased demand for electricity in this area. This proposed fibre optic cable project will connect to the proposed Riverview substation, if approved. Landowners and interested parties have received project information regarding the proposed project, and EPCOR plans on filing an application with the AUC in late 2018. For more information, visit our website at epcor.com/consultation.

Contact Us

EPCOR believes in listening to and engaging stakeholders. Community input and involvement is an important part of our decision-making. We believe in working towards solutions together and consulting with the public on initiatives. If you have any questions or would like to provide input on the project, please contact us:

Call: 780-412-4040

Email: consultation@epcor.com

Website: epcor.com/consultation



EPCOR respects your right to privacy. Any personal information we collect about you, including your name, address, phone number and email address will be used only in regards to this project. Please visit epcor.com for more information on EPCOR's Privacy Policy.

Attachment 10 – AESO Notification of NID Filing (February 2017)

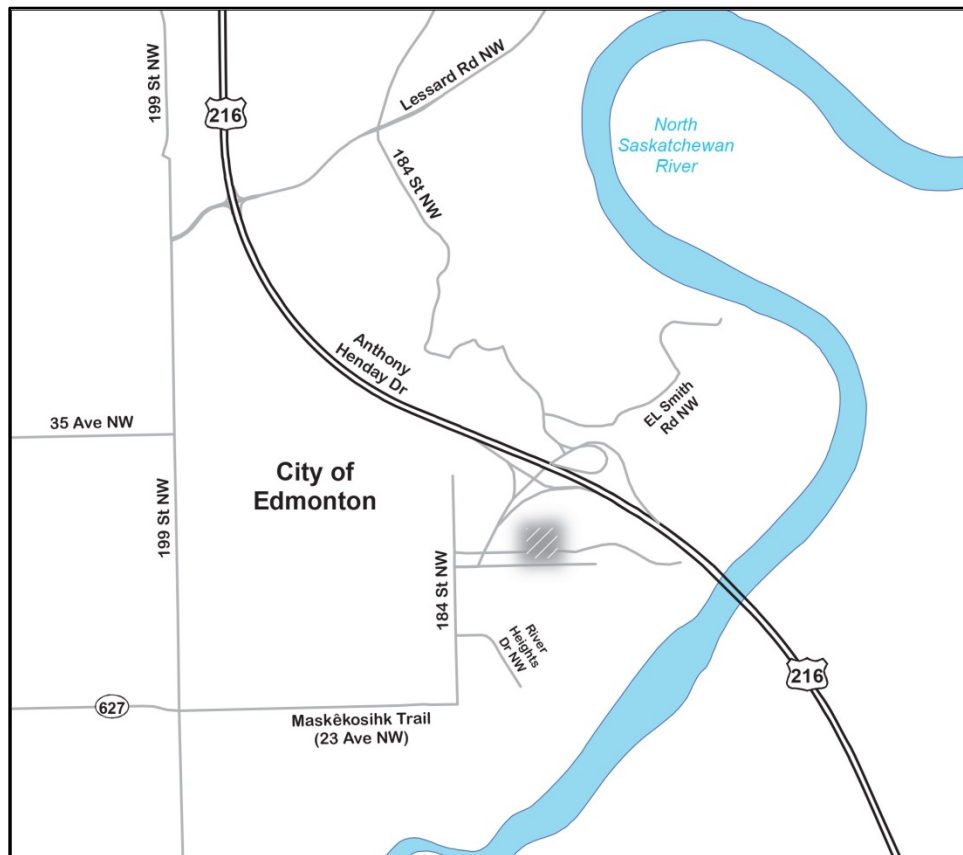
AESO Public Notification of NID Filing

Addressing the Need for the Riverview Substation in the City of Edmonton

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Riverview Substation with the Alberta Utilities Commission (AUC) on or after February 24, 2017.

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

- Add a substation (Riverview) with two 240/25 kilovolt (kV) transformers, four 240 kV circuit breakers, and associated equipment.
- Add two 240 kV transmission lines to connect the Riverview substation to the existing 240 kV transmission line 1043L.
- Add or modify associated equipment as required to facilitate the above transmission developments.



The shaded area on the map indicates the approximate location of the Riverview Substation, which is at NW-4-52-25-W4, and the proposed 240 kV transmission lines. EPCOR is the transmission facility owner (TFO) in the City of Edmonton, and AltaLink Management Ltd. (AltaLink), as a TFO, owns transmission facilities in the City of Edmonton. In separate applications called a Facility Applications, EPCOR and AltaLink will each describe the transmission developments and will request AUC approval to construct and operate the specific transmission facilities.

The AESO, EPCOR and AltaLink presented this need to stakeholders, including residents, occupants and landowners, from November 2016 to February 2017. The AESO has considered feedback gathered from stakeholders, and technical and cost considerations, and will apply to the AUC for approval of the need for this transmission development. Once it is filed, the NID will be posted on the AESO website at <https://www.aeso.ca/grid/projects/riverview-substation/>

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

Attachment 11 – AESO Stakeholder Newsletter NID Filing Notice (February 8, 2017)

Riverview Substation – Notice of NID Filing

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

- Add a substation (Riverview) with two 240/25 kilovolt (kV) transformers, four 240 kV circuit breakers, and associated equipment.
- Add two 240 kV transmission lines to connect the Riverview substation to the existing 240 kV transmission line 1043L.
- Add or modify associated equipment as required to facilitate the above transmission developments.

The AESO intends to file the Riverview Substation Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after Feb. 24, 2017, requesting that the Commission approve this NID.

The AESO has posted the public notification for its NID filing 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 > Riverview Substation to see all the relevant documents, including the NID application once it is filed with the AUC.

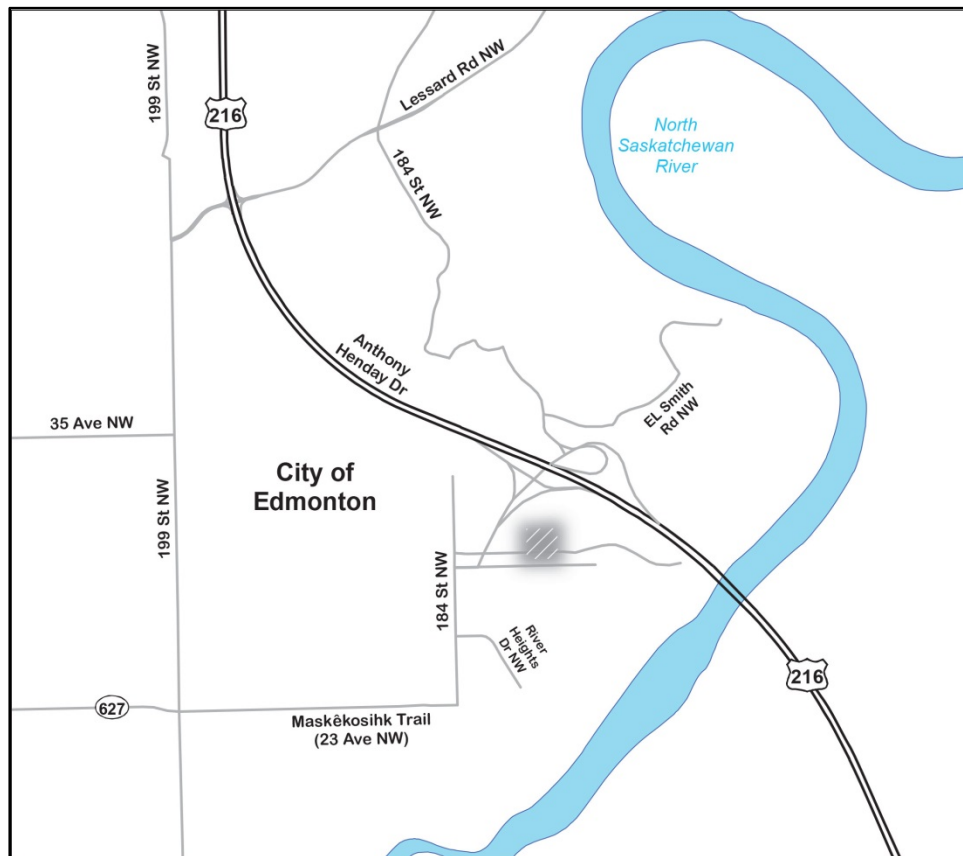
**Attachment 12 – AESO Notification of NID Filing Update
(November 2017)**

Updated Notification of Needs Identification Document Filing Addressing the Need for the Riverview Substation in the City of Edmonton

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Riverview Substation with the Alberta Utilities Commission (AUC) on or after November 22, 2017.

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. EPCOR's request can be met by the following solution:

- Add a new substation, to be called the Riverview substation, with two 240/25 kilovolt (kV) transformers, four 240 kV circuit breakers, and associated equipment.
- Add two 240 kV transmission lines to connect the proposed Riverview substation to the existing 240 kV transmission line 1043L.
- Add associated equipment as required to facilitate the above transmission development.



The shaded area on the map indicates the approximate location of the proposed Riverview Substation, which is at NW-4-52-25-W4, and the proposed 240 kV transmission lines.

EPCOR and AltaLink Management Ltd. (AltaLink) are both legal owners of transmission facilities (TFOs) in the City of Edmonton. In November 2016, the AESO and the TFOs began presenting this need to stakeholders, including residents, occupants, and landowners. The AESO will apply to the AUC for approval of the need for this transmission development. Once filed with the AUC, the NID will be posted on the AESO website at <https://www.aeso.ca/grid/projects/riverview-substation/>

In separate applications called Facility Applications, the TFOs will each provide details of their respective proposed transmission facilities and request AUC approval to construct and operate these facilities.

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

**Attachment 13 – AESO Stakeholder Newsletter NID Filing Notice Update
(November 7, 2017)**

Riverview Substation – Updated Notice of NID Filing

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. EPCOR's request can be met by the following solution:

- Add a new substation, to be called the Riverview substation, with two 240/25 kilovolt (kV) transformers, four 240 kV circuit breakers, and associated equipment.
- Add two 240 kV transmission lines to connect the proposed Riverview substation to the existing 240 kV transmission line 1043L
- Add associated equipment as required to facilitate the proposed transmission development

The AESO intends to file the Riverview Substation Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after Nov. 22, 2017, requesting that the AUC approve this NID

The AESO has posted the Updated Notification of NID filing on its website. Please [click here](#) to view the document, or visit the AESO website at www.aeso.ca and follow the path Grid > Project > Riverview Substation to see all the relevant documents, including the NID application once it is filed with the AUC.