

# 2.82/2.83L VICTORIA PARK

## Transmission Line Relocation Project



### PROJECT OVERVIEW

The City of Calgary (The City) is proceeding with its Green Line Light Rail Transit (LRT) project, which would impact existing electrical infrastructure owned and operated by ENMAX Power Corporation (ENMAX Power) in downtown Calgary. At the City's request, ENMAX has evaluated the relocation of portions of its 138 kilovolt (kV) transmission lines (2.82L and 2.83L) in the Victoria Park area (the Project). The Project would also address conflicts with other proposed City of Calgary infrastructure projects at certain locations along the existing lines.

The Project requires the removal of an existing overhead portion of 2.83L which runs east from 6 Street SE, along and across the Elbow River and the Bow River, connecting at transmission structure 2.83-70 (as shown in the Newsletter map) near the Calgary Zoo. That portion of 2.83L will be relocated alongside the existing 2.82L that runs south along 6 Street SE, the Elbow River and 25 Avenue SE in a double circuit alignment that transitions from underground to overhead at transmission structures 2.82-8 and 2.83-8A (as shown in the Newsletter map). The Project also involves relocating the overhead double circuit portion of 2.82/2.83L currently located along 10 Avenue SE to an underground double circuit 2.82/2.83L in 12 Avenue SE (both between 6 Street SE and Macleod Trail SE) and 3 Street SE.

To construct the underground portion of the Project, ENMAX Power is proposing to excavate (open trench) at certain locations along 10 Avenue SE, 3 Street SE and 12 Avenue SE to install a new duct bank which will house 2.82/2.83L. That new duct bank will connect with an

existing duct bank that currently houses 2.82L and runs from the intersection of 12 Avenue SE and 6 Street SE to the location of transmission structures 2.82-8 and 2.83-8A (as shown in the Newsletter map). ENMAX Power is proposing to install the 2.83L cable within this existing duct bank to run alongside the existing 2.82L. New maintenance holes will be installed at various locations to allow access to the underground cables.

At transmission structures 2.82-8 and 2.83-8A, the 2.82/2.83L cables will transition to overhead double circuit lines and follow the existing overhead 2.82L alignment along 25 Avenue SE toward ENMAX No. 2 Substation. ENMAX Power is proposing to replace the existing single circuit structures along this portion of the route with double circuit steel self-supporting monopoles which will be shared by 2.82L and 2.83L.

**For more than 100 years, ENMAX has delivered safe and reliable electricity in Calgary.**

### PROPOSED SCHEDULE

ENMAX Power intends to file a Facility Application with the Alberta Utilities Commission (AUC) in Q1 2023. Subject to receiving approvals and procuring materials, Project construction is anticipated to begin in Q1 2024 with an expected completion date in Q1 2025.

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#### TRANSMISSION STRUCTURES

The existing steel lattice structures, steel self-supporting monopoles and wood poles to be removed range in height from approximately 19 to 32 meters. The new steel self-supporting monopoles are expected to range in height from approximately 20 to 30 meters as required to meet design and safety standards.



Example of a Structure to be Removed  
(Lattice Structure)



Example of a New Structure  
(Double Circuit Self-Supporting Monopole)

**Double circuit:** Two transmission lines on the same transmission structure, with each single circuit made up of three sets of conductors.

**Duct bank:** A reinforced pathway for transmission cables to be safely buried underground.

**Maintenance hole:** Used as an entrance point for our utilities, a maintenance hole provides a cable splice location and utility crews the ability to access and maintain our underground infrastructure.

**Single circuit:** A single transmission line on one structure, with each single circuit made up of three sets of conductors.

**Steel self-supporting monopole:** A self-supporting steel pole structure designed to support and carry overhead transmission lines.

**Transmission lines:** High voltage power lines that transport large quantities of power over long distances.

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**2.82/2.83L**  
**VICTORIA PARK**  
**Transmission Line**  
**Relocation Project**  
**Newsletter Map**

**Legend**

**Transmission Structures**

- ☆ Proposed Steel Monopole
- ★ Existing Steel Monopole to be Replaced
- ☆ Existing Steel Monopole
- ★ Existing Steel Monopole to be Removed
- ⊠ Existing Lattice Structure 2.83-70
- ⊠ Existing Lattice Structure to be Replaced
- ⊠ Existing Lattice Structure to be Removed
- ⊠ Existing Wood Pole to be Removed
- Proposed Maintenance Hole
- ◆ Existing Maintenance Hole

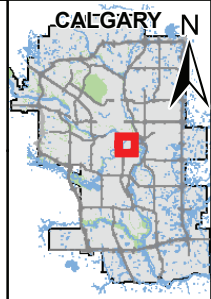
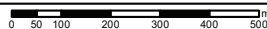
- ⊠ Existing Lattice Structure to be Replaced
- ⊠ Existing Lattice Structure to be Removed
- ⊠ Existing Wood Pole to be Removed
- Proposed Maintenance Hole
- ◆ Existing Maintenance Hole

**Transmission Routes**

- Proposed Route – Double Circuit Underground
- Proposed Route – Single Circuit Underground
- Proposed Route – Single Circuit Conversion - Overhead
- Proposed Route – Single Circuit to Double Circuit Conversion - Underground
- Existing Overhead Transmission Line
- Existing Underground Transmission Line
- Existing Overhead Transmission Line to be Removed
- Existing Undergroud Transmission Line to be Removed

- Existing ENMAX Substation
- Future LRT Green Line
- Railway
- Buildings
- Hydrology
- Natural Area

1:12,500



November 2022



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Data sources:  
Civil and Circuity: ENMAX 2022;  
Landbase: City of Calgary 2022.

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## Transmission Line Relocation Project

### PROJECT IMPACTS AND MITIGATION MEASURES

ENMAX Power will take measures to limit potential impacts to residents and businesses in the area during the Project construction period.

#### Road Closures

ENMAX Power anticipates the need to close certain roads and lanes periodically during construction of the Project. Such closures will be detailed in a traffic management plan to be approved by the City. Construction will be completed in segments and in a manner that limits impacts to sidewalks, bike lanes and traffic. Certain activities will be performed during low traffic times on weekdays and weekends, where possible.

#### Power Outages

There are no planned power outages impacting customers associated with Project construction.

#### Access

A construction execution plan is currently in development which will address access to commercial and residential spaces in the affected area. Where necessary, accommodations for temporary access will be implemented and communicated to local residents and business owners to minimize potential impacts.

### OPEN HOUSE

ENMAX Power will be available at four drop-in open houses to share information, gather your feedback and address any questions or concerns you may have about the Project.

**Location:** Fort Calgary: James O. Wilson Gallery  
750 9 Avenue Southeast, Calgary, AB

DATE	LOCATION	AFTERNOON	EVENING
December 14, 2022	Fort Calgary: James O. Wilson Gallery	11:00 am – 3:00 pm	4:00 pm – 8:00 pm
December 15, 2022	Fort Calgary: James O. Wilson Gallery	11:00 am – 3:00 pm	4:00 pm – 8:00 pm
January 11, 2023	Fort Calgary: James O. Wilson Gallery	11:00 am – 3:00 pm	4:00 pm – 8:00 pm
January 12, 2023	Fort Calgary: James O. Wilson Gallery	11:00 am – 3:00 pm	4:00 pm – 8:00 pm

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### COMMITMENT TO COMMUNITY

We are committed to being a responsible corporate neighbour. Our commitment includes providing timely and meaningful engagement with stakeholders about our projects and applications. We provide opportunities for stakeholders, including residents, occupants and landowners, to be informed about our projects and applications, and to engage with us at all stages.

### ABOUT ENMAX CORPORATION

Headquartered in Calgary, Alberta, with operations across Alberta and Maine, ENMAX Corporation (ENMAX) is a leading provider of electricity services, products and solutions. Through its subsidiaries, ENMAX Power and Versant Power, ENMAX owns and operates transmission and distribution utilities in Calgary, Alberta and northern and eastern Maine, safely and reliably delivering electricity to all Calgary homes and businesses and more than 162,000 customers in Maine. Through ENMAX Energy Corporation, ENMAX owns and operates 1,522 MW of generation and offers a range of innovative electricity, natural gas, energy and engineering services to more than 700,000 residential, commercial and industrial customers across Alberta. ENMAX is a private corporation, and The City of Calgary is its sole shareholder.

### CONTACT INFORMATION

Your input is valuable to us. We will ensure you get answers to your questions and that your concerns are understood.

For more information about the proposed Project, please contact:

#### ENMAX POWER CORPORATION

**Phone:** 403-514-1471

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

**Website:** [enmax.com/victoriapark-2-82L](http://enmax.com/victoriapark-2-82L)

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To learn more about the regulatory process, please contact:

#### ALBERTA UTILITIES COMMISSION

**Phone:** 403-310-4282

**Email:** [info@auc.ab.ca](mailto:info@auc.ab.ca)

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