No. 2 Substation

Over Voltage Mitigation Project



PROJECT OVERVIEW

ENMAX Power Corporation (ENMAX Power) owns and operates ENMAX No. 2 Substation located at 3120 9 St SE, and 138 kilovolt (kV) transmission line 2.83L, which connects ENMAX No. 2 Substation to ENMAX No. 13 Substation at 867 32 Ave NE.

ENMAX Power has identified the need to mitigate Lightning Over Voltage risks at ENMAX No. 2 Substation. A lightning strike on transmission line 2.83L or its associated structures could create voltage conditions that exceed the rated capability of nearby electrical equipment and may affect the reliable operation of the electrical system. To address this risk, ENMAX Power is proposing to alter five structures on the 2.83L transmission line near ENMAX No. 2 Substation (the Project). The proposed alterations will increase protection against Lightning Over Voltage events and support the continued safe, reliable, and efficient operation of ENMAX No. 2 Substation and ENMAX Power's electrical system.

Contact information

We're committed to actively engaging community members and obtaining your feedback. Please contact our stakeholder relations team to learn more about the Project and ask questions:

ENMAX Power Stakeholder Relations

Phone: 403-514-1471
E-mail: stakeholderrelations@enmax.com
Website: enmax.com/no2substation

To learn more about the regulatory process, please contact:

Alberta Utilities Commission

Phone: 403-310-4282
Email: info@auc.ab.ca
Website: auc.ab.ca

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Proposed schedule

ENMAX Power intends to file a checklist application for the Project with the Alberta Utilities Commission (AUC) by the end of 2026. Subject to receiving approvals and the procurement of materials, construction is anticipated to start in early 2027. Construction is anticipated to take approximately 2 weeks, with the Project expected to be in service in spring 2027.

Stakeholders are encouraged to visit the Project webpage for the most up-to-date information on construction timing and activities.

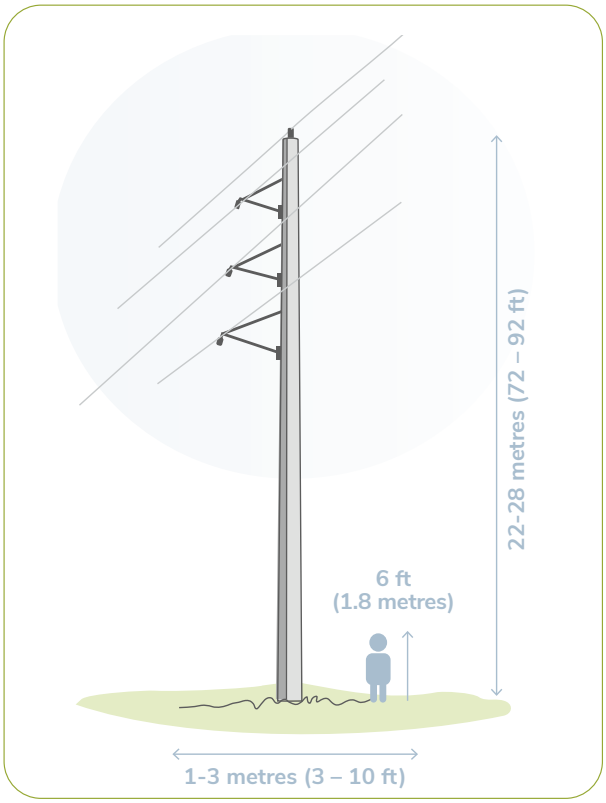
Please contact our Stakeholder Relations team on or before November 27, 2026, so that we can address any questions or concerns prior to filing the application to the AUC.

What is being proposed?

- The replacement of one wood pole with one self-supporting steel monopole
- The installation of shield wire across five self-supporting steel monopoles
- The installation of interconnected grounding at two self-supporting steel monopoles

Transmission structures

Subject to the detailed design, the existing wood pole will be replaced with one self-supporting steel monopole and will be approximately 21 to 26 meters in height, as required to meet design and safety standards.



Self-supporting steel monopole

Key Terms

Interconnected grounding: A method of connecting structures and equipment to a grounding system to enhance electrical safety and system performance.

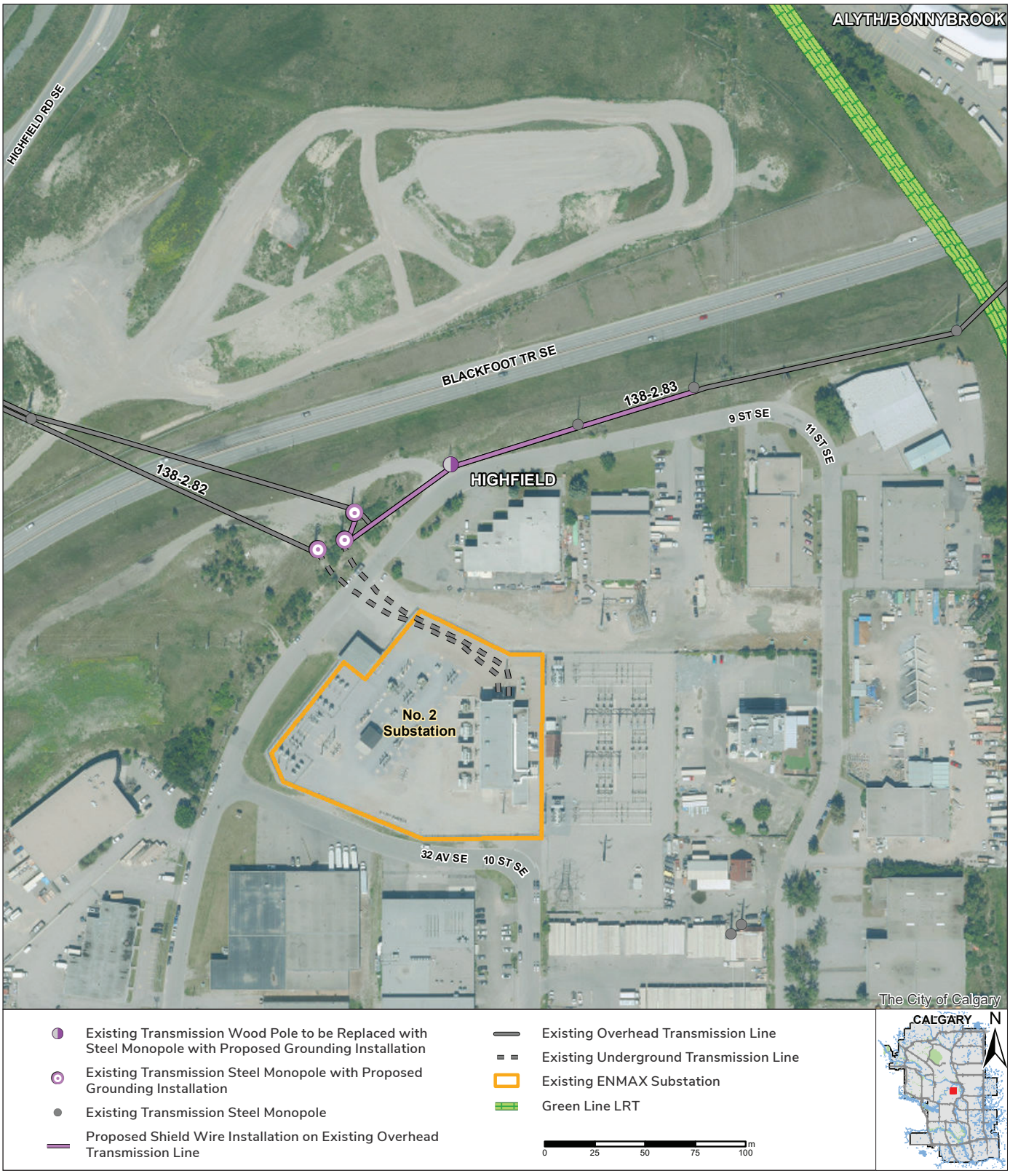
Lightning over voltage: A sudden increase in electrical voltage caused by lightning that can exceed the normal operating limits of electrical equipment.

Shield wire: A wire installed above transmission line conductors that helps protect electrical facilities from lightning strikes.

Substation: A substation is an important component of electrical infrastructure that changes the voltage of electricity to make it suitable for use.

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Project map



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Project impacts and mitigation measures

Construction

Temporary access accommodations may be periodically required during construction. ENMAX Power will work with stakeholders and the City of Calgary to minimize the impact to residences, business and commuters in the area.

Noise

There is no expected change in noise levels as a result of the completion of the Project. We will comply with municipal noise bylaws and AUC Rule 012 limits.

Power Outages

There are no planned power outages impacting customers as part of the proposed work.

About ENMAX Corporation

ENMAX provides electricity services, products and solutions. We are headquartered in Calgary, Alberta. Through our companies, ENMAX Power and Versant Power, we own, operate and maintain transmission and distribution lines that safely and reliably deliver electricity to homes and businesses in Calgary and in northern and eastern Maine. Through ENMAX Energy, we generate power and offer electricity and natural gas options to residential, commercial and industrial customers across Alberta. ENMAX is a private company and The City of Calgary is our sole Shareholder.