

No. 54 Substation

Capacity Upgrade Project Facility Application



PROJECT OVERVIEW

ENMAX Power Corporation (ENMAX Power) owns and operates the ENMAX No. 54 Substation, located at 3023 210 Avenue Southeast. As electricity demand continues to grow in Southeast Calgary, ENMAX Power has identified the need to increase capacity at this substation to continue meeting customer needs.

To address this need, ENMAX Power is working with the Alberta Electric System Operator (AESO) to increase the substation's capacity (the Project) and intends to apply to the Alberta Utilities Commission (AUC) for approval. If approved, the Project will support the continued safe and reliable supply of electricity to customers in the area, both now and in the future. The Project involves the installation of an additional power transformer and associated equipment to reliably continue to distribute electricity. All new equipment would be located within the existing substation building and fenced yard.

PROPOSED SCHEDULE

ENMAX Power plans to file a Facility Application with the AUC in April 2026. Subject to regulatory approval and material procurement, construction is anticipated to begin in the first quarter of 2028, with the project expected to be in service by the fourth quarter of 2028. Stakeholders are encouraged to visit the project webpage for the most up-to-date information on construction timing and activities.

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

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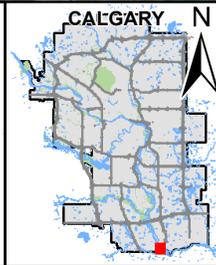
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ENMAX Power
No. 54 Substation
Capacity Upgrade
Newsletter Map

Legend

- ★ Existing Steel Monopole
- Existing Overhead Transmission Line
- Calgary City Limit
- Proposed Equipment Location
- Existing Equipment Location
- Existing ENMAX Substation



1:2,500
 (If printed on 8.5" x 11")



March 2026



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Data sources: Civil and Geospatial; ENMAX 2026; Calgary Landbase; City of Calgary 2026; Copyright © The City of Calgary. All rights reserved. Use subject to License: Rocky View Landbase; Rocky View County 2026; Tsoufina Landbase; Tsoufina 2026.

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Example of a Transformer



Example of a Circuit Breaker

Transformer: A device that changes the high voltage electricity coming in through transmission lines to a lower voltage suitable to distribute to customers.

Circuit Breaker: A high-voltage interrupting device used to protect and isolate transmission lines and sections of bus in electrical substations. These breakers are designed to quickly cut off, or interrupt, the flow of electricity when faults (such as short circuits) are detected.

Switchgear: A set of electrical switches and breakers that help control and protect the electricity system. It helps control and safely send electricity to homes and businesses.

PROJECT DESCRIPTION

The Project will take place entirely within the existing ENMAX No. 54 Substation fenced area and will include:

- Installation of one new transformer
- Installation of one new circuit breaker and several high voltage switches
- Installation of concrete foundations and structures, to support the above equipment
- Installation of new switchgear equipment within the existing substation

CONSTRUCTION METHODS

The Project's construction work will take place entirely within the existing fenced area of the ENMAX No. 54 Substation. Temporary road access changes may be necessary while work is underway.

POWER OUTAGES

There are no planned outages that will impact customers as part of this work.

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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

The ENMAX group of companies is a provider of electricity services, products and solutions. We are headquartered in Calgary, Alberta, with operations across Alberta and Maine. Through our subsidiaries, ENMAX Power Corporation and Versant Power, we own and operate transmission and distribution utilities that safely and reliably deliver electricity to customers in Calgary and northern and eastern Maine. Through ENMAX Energy Corporation, ENMAX owns and operates power generation facilities and offers a range of electricity and natural gas products and services to residential, commercial and industrial customers across Alberta. ENMAX is a private corporation and The City of Calgary is its sole shareholder.

ABOUT THE ALBERTA ELECTRIC SYSTEM OPERATOR

The AESO is an independent, not-for-profit organization responsible for the safe, reliable and economic planning and operation of the provincial transmission grid. For more information about why this project is needed, please refer to the AESO's Need Overview included with this package or visit www.aeso.ca. If you have any questions or concerns about the need for this project or the proposed transmission development to meet the need you may contact the AESO directly. You can make your questions or concerns known to a transmission facility owner 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 INFORMATION

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

Website: enmax.com/no54substation

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

For information about the need for this project, please contact:

ALBERTA ELECTRIC SYSTEM OPERATOR

Phone: 1-888-866-2959

Email: stakeholder.relations@aeso.ca

Website: www.aeso.ca