

No. 14 Substation

| Switchgear Replacement | Outrush Mitigation Project



PROJECT OVERVIEW

ENMAX Power Corporation (ENMAX Power) owns and operates ENMAX No. 14 Substation located at 20R Hawkwood Dr NW. ENMAX No. 14 Substation has been in service for more than 50 years and supplies electricity to homes and businesses in Calgary's Hawkwood, Ranchlands, and nearby communities.

Due to aging infrastructure and declining equipment condition, the existing 25-kilovolt switchgear and its building need to be replaced. ENMAX Power is also proposing to install current-limiting reactors to protect our equipment and maintain system reliability. Together, these upgrades are referred to as "the Projects."



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 Projects and ask questions:

ENMAX Power Stakeholder Relations

Phone: 403-514-1471

E-mail: stakeholderrelations@enmax.com

Website: enmax.com/no14substation

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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What is being proposed?

Switchgear Replacement Project

- Replacement of the existing 25-kilovolt switchgear, associated equipment, and switchgear building.

Outrush Mitigation Project

- Installation of current-limiting reactors between the capacitor bank and the circuit breaker to better protect the existing circuit breakers and nearby equipment. This upgrade will help reduce electrical surges (outrush current), protecting existing circuit breakers and nearby equipment. This work includes replacement of existing overhead conductors within the substation.

These Projects will support the continued safe, reliable, and efficient operation of No. 14 Substation and ENMAX Power's electrical system.

→ Proposed schedule

ENMAX Power plans to file two checklist applications for each of the projects with the Alberta Utilities Commission (AUC) in the fall of 2026.

Subject to regulatory approvals and the procurement of materials, the Projects are expected to proceed according to the following timelines:

Outrush Mitigation Project

Construction Window:

Q3 2026 – Q2 2027

Estimated Construction Duration:

Approximately 3 months

Proposed In-Service Date:

Q2 2027

Switchgear Replacement Project

Construction Window:

Q3 2027 – Q4 2028

Estimated Construction Duration:

Approximately 18 months

Proposed In-Service Date:

To align with project completion in Q4 2028



Stakeholders are encouraged to visit the Project webpage for the most up-to-date information on construction timing and activities. If you'd like more information about the regulatory process visit auc.ab.ca.

No. 14 Substation

Project map



Disclaimer: The data contained is for information purposes only. ENMAX Power Corporation does not make any representations or warranties as to the accuracy or completeness of the information contained herein or its verification. ENMAX does not guarantee that the information will not change at any time. This data is a representation of ENMAX owned and operated facilities only and may not depict the exact locations on the ground.

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Construction methods

The proposed construction activities will take place on lands owned by ENMAX Power, within the existing ENMAX No. 14 Substation fence line. 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, businesses and commuters in the area.



Current Limiting Reactor: An inductive coil placed in an electrical circuit to restrict the flow of excessive current during a fault (such as a short circuit).



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



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

Conductor: A wire that is typically made up of multiple aluminum strands around a steel or copper core that together carry electricity. A conductor is strung between transmission structures.

Outrush current: Is a sudden discharge of electrical current that flows out of substation equipment and into an external circuit or a nearby fault.

Project impacts and mitigation measures

Noise

- There is no expected change in noise levels as a result of the completion of either substation 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

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.