

# ENMAX NO. 20 SUBSTATION

## Switchgear Replacement



### PROJECT OVERVIEW

ENMAX Power Corporation (ENMAX Power) owns and operates ENMAX No. 20 Substation, located at 2508 Bowness Road NW. ENMAX No. 20 Substation commenced operations over 45 years ago and provides electrical services to residential and commercial properties in Calgary's West Hillhurst area and surrounding communities.

Due to deteriorated asset condition, it has been determined that the 13.8-kilovolt switchgear located inside the substation building requires replacement.

ENMAX Power intends to apply to the Alberta Utilities Commission (AUC) for approval to replace the switchgear and install two plenum vents on the southern exterior wall of the substation building leading to the roof (the Project). The Project will ensure the continued safe, reliable, and efficient operation of ENMAX Power's electrical system.

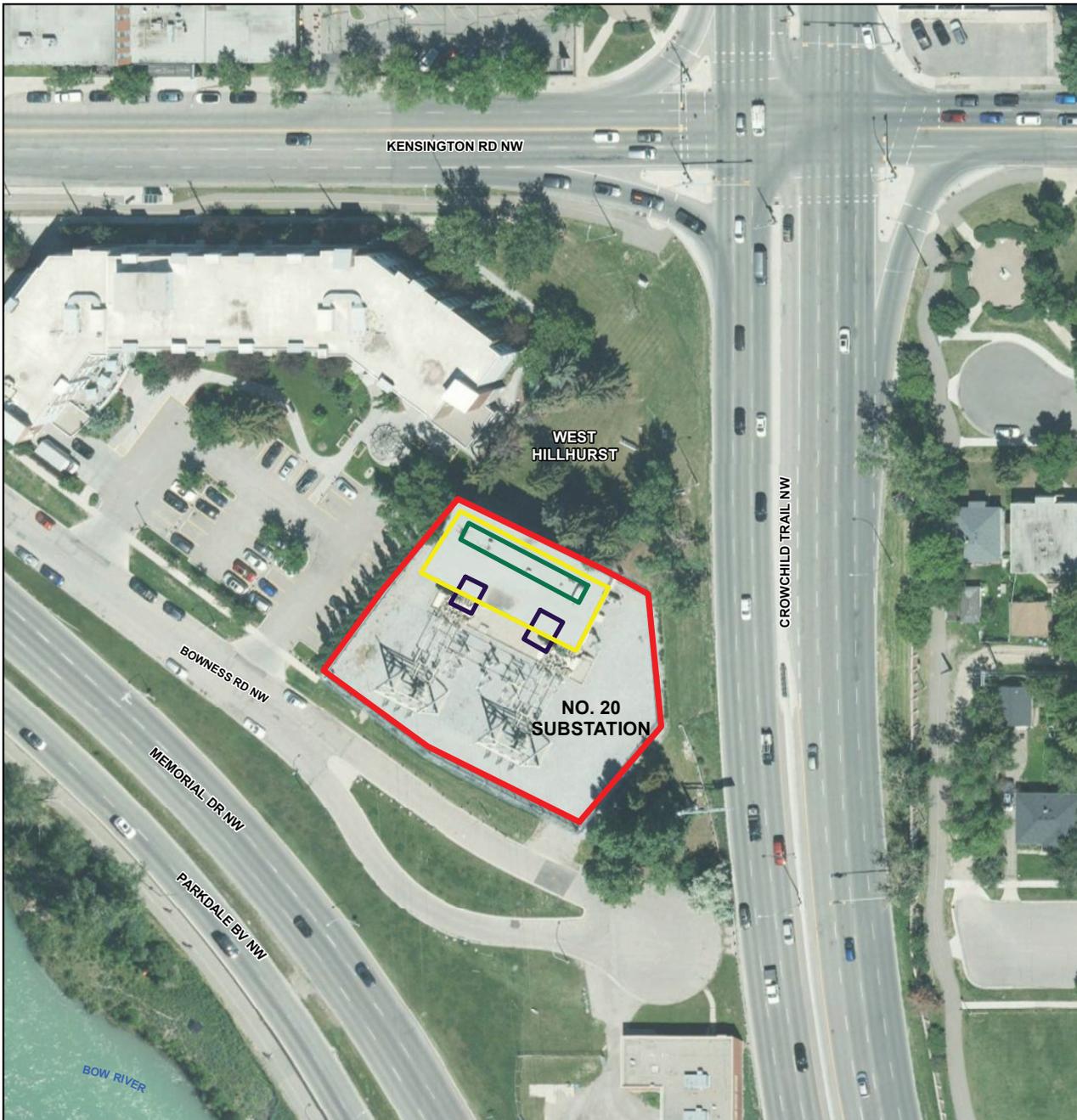
### PROPOSED SCHEDULE

ENMAX Power plans to file a Checklist Application with the AUC in Q3 2023. Subject to receiving approvals and the procurement of materials, construction is anticipated to begin in Q3 2024. Construction is anticipated to take approximately 14 months with a proposed in-service date in Q4 2025. We encourage stakeholders to consult the webpage for the most up-to-date construction information.

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

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**ENMAX POWER**  
**No.20**  
**Substation**  
**Switchgear**  
**Replacement**  
**Newsletter Map**

**Legend**

- Existing Enmax Substation
- Existing Substation Building
- Proposed Switchgear Plenum Vent Locations
- Proposed Switchgear Replacement

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August 2023



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Data sources:  
 Civil and Circuity: ENMAX 2023;  
 Landbase, Orthophoto: City of Calgary 2023.

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Example of Plenum Vent



Example of Current Switchgear



Example of Proposed Switchgear

### CONSTRUCTION METHODS

The proposed construction activities will take place on lands owned by ENMAX Power, within the existing ENMAX No. 20 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.

### POWER OUTAGES

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

### PROPOSED SCHEDULE

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

**Switchgear:** Substation equipment that is comprised of electrical disconnect switches, fuses or circuit breakers used to control, protect and isolate electrical equipment.

**Switchgear Plenum Vent:** A metal vent which allows for pressure waves and heat to travel to a safe location away from switchgear and personnel in the case of a fault or short circuit event.

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### COMMITMENT TO COMMUNITY

ENMAX Power is 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 leading provider of electricity services, products and solutions. ENMAX Corporation (ENMAX) is headquartered in Calgary, Alberta, with operations across Alberta and Maine. Through its subsidiaries, ENMAX Power Corporation and Versant Power, ENMAX owns and operates 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 innovative 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.

### 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](mailto:stakeholderrelations@enmax.com)

**Website:** [enmax.com/No20substation](http://enmax.com/No20substation)

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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)