

2021



Investing in Calgary's Future

ENMAX Power invests in Calgary's transmission and distribution (T&D) system by regularly maintaining, modernizing and upgrading it, and we're proud our system is consistently ranked as one of Canada's **top quartile systems for reliability** by the Canadian Electricity Association. The important investments we make in the system are paid for through customer fees which are reviewed and approved by the Alberta Utilities Commission and collected as part of our monthly electricity bills.

Much of our work on Calgary's system focuses on maintenance. However, due to Calgary's changing growth and energy needs over time, our work also involves upgrading or replacing parts of the system which are nearing capacity or end of operational life. ENMAX Power is currently ensuring the system continues to run safely and reliably by replacing infrastructure first built in the 1970s and 1980s, or earlier.

Another type of investment we make in the system is in supporting Calgary communities as they evolve, and this can include connecting new or expanded residential developments or changing the location of parts of our system to accommodate major infrastructure projects like the South Calgary Ring Road.

Out of sight: Ensuring Calgarians have reliable connections to electricity.

Did you know 73 per cent of Calgary's powerlines run underground? To maintain these lines, referred to as cables, ENMAX Power operates a proactive cable replacement program to help us plan ahead and mitigate power disruptions that can happen as equipment ages. In 2021, crews will be working in 13 communities located across Calgary to upgrade some of these cables.

As we plan for and carry out our work on Calgary's system, we also keep our eye on future needs and ensure we are investing in ways that prepare Calgary's system for new technologies and new forms of electricity usage by customers. This includes exploring what we need to do to ensure the system is ready to accommodate future needs such as the electrification of transportation and the adoption of more renewable energy sources.

» For 2021, ENMAX Power will invest more than \$300 million in Calgary's electricity T&D system to ensure this critical network continues to deliver safe, reliable and affordable electricity to our homes and businesses.

» Totalling 9,809 kms, the wires in ENMAX Power's T&D system could wrap around Alberta three times.



EXISTING NO. SUBSTATION
9 Ave and 7 St SW



ARTIST'S RENDERING OF NEW SUBSTATION

100+ Years of Service

Built in 1912 to power Calgary's streetlights and the streetcar rail system, ENMAX Power's No. 1 Substation currently supplies:

- 45 per cent of Calgary's downtown area. (approximately 3.2 square kilometres).
- More than half of ENMAX Power's downtown customers, including high-rise residential buildings, commercial customers and data centres.

Due to the substation's age and the critical role it plays in powering Calgary's core, ENMAX Power has received approval from the Alberta Utilities Commission to begin preparations for its replacement. Preparations are already underway, and it's expected that work on No. 1 substation will begin later this year. The new substation is scheduled to be online by Q4 2024.

The Power of Information

When something unexpected happens, or if we need to safely work on or replace parts of our system, ENMAX Power works hard to ensure Calgarians are informed of any impacts to their electricity service.

Through our dedicated outage page on enmax.com, our outage app and ENMAX Power's Twitter account, anyone experiencing an outage can stay up to date on the cause and restoration time.

In the case of a planned outage so that system maintenance can be completed safely, homeowners and businesses are provided with ample notice so that any concerns can be addressed.

For any project occurring in a community, we provide advance details through mail, in-person notifications and community signage, and we host information sessions which have been moved online during the COVID-19 pandemic.

When questions arise, we listen, and we look for solutions that balance customer input with the need to ensure we prudently and affordably deliver safe, reliable service into the future. Customers can also advance their questions and concerns to the Alberta Utilities Commission.

To learn more about our projects and practices, visit our [projects page on enmax.com](https://enmax.com).