Investing in your community

Richmond South Station and System Expansion Project

Overview

- Hydro Ottawa's Richmond South Station and System Expansion Project is being undertaken to support the Department of National Defence (DND) Dwyer Hill Training Centre construction project.
- The project entails installing a new transformer, the construction of a new station building, and enhancing the overhead and underground electricity infrastructure to boost capacity.
- Expanding capacity will ensure a dependable future electricity supply for the region.
- Hydro Ottawa's construction work (our portion of the DND project) will take approximately three years to complete and include an upgrade to our Richmond South station.

Overview

Community benefits

- This project will benefit the wider community by supplying additional capacity that will improve local electricity service, provide redundancy to our system in the event of future extreme weather events, and support projected growth in the town of Richmond and surrounding area.

- The Richmond South and System Expansion Project aims to enhance the sustainability and resilience of the south-western part of the city and the town of Richmond.

- It is part of various future-planning projects being led across our service territory.

Benefits

Hydro Ottawa

Community benefits (cont’d)

- Our new system expansion will include an additional feeder, giving Hydro Ottawa more control over the area's power quality. Currently, our shared system with Hydro One leaves the area vulnerable to reliability and power quality problems, worsened by the long distances our distribution lines must cover.

- By increasing our supply in the area, Hydro Ottawa can better manage distribution distances and spans, leading to greater reliability, superior power quality, and the capacity to support future load growth.

- New poles along Franktown Road will align and consolidate existing assets, including those on Bell Canada owned poles.

Benefits

Hydro Ottawa

Where

Hydro Ottawa

Project details

- Install one new 30MVA transformer and construct a new building to house electricity infrastructure on the existing station property on Garvin Road, west of Huntley Road;
- Install approximately 15 kilometres of a new 27.6kV feeder from Richmond South station to Dwyer Hill Road; and
- Perform overhead and underground electricity infrastructure work along Garvin Road, Joys Road, Franktown Road, Munster Road and Dwyer Hill Road.

Timeline

Procurement of major equipment

Q2 2023 - Q3 2024

Demolition of old infrastructure at Richmond South station

Q3 2024

Overhead and underground ductwork

Q3 2024 - Q4 2026

Substation construction

Q3 2025 to Q1 2027

Commercial connection construction

2026 to 2028

Energization of upgraded Richmond South station

Q1 2027

Project Details

Hydro Ottawa

Work notifications

Notifications sent in advance of planned outages

Keep your contact information up to date

Project-specific information

For you

Hydro Ottawa

Your Hydro Ottawa team

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More questions?
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