Old Second Line Municipal Transformer Station

Community information session 1

November 4, 2025

Hydro Ottawa

Welcome to our community information session

- Energy partners
- How electricity is delivered to your community
- Community benefits
- What's being proposed
- Where - Project area map
- Environmental Assessment
- Anticipated project schedule
- Next steps
- Your input is important to us / Thank you

Outline

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Partners

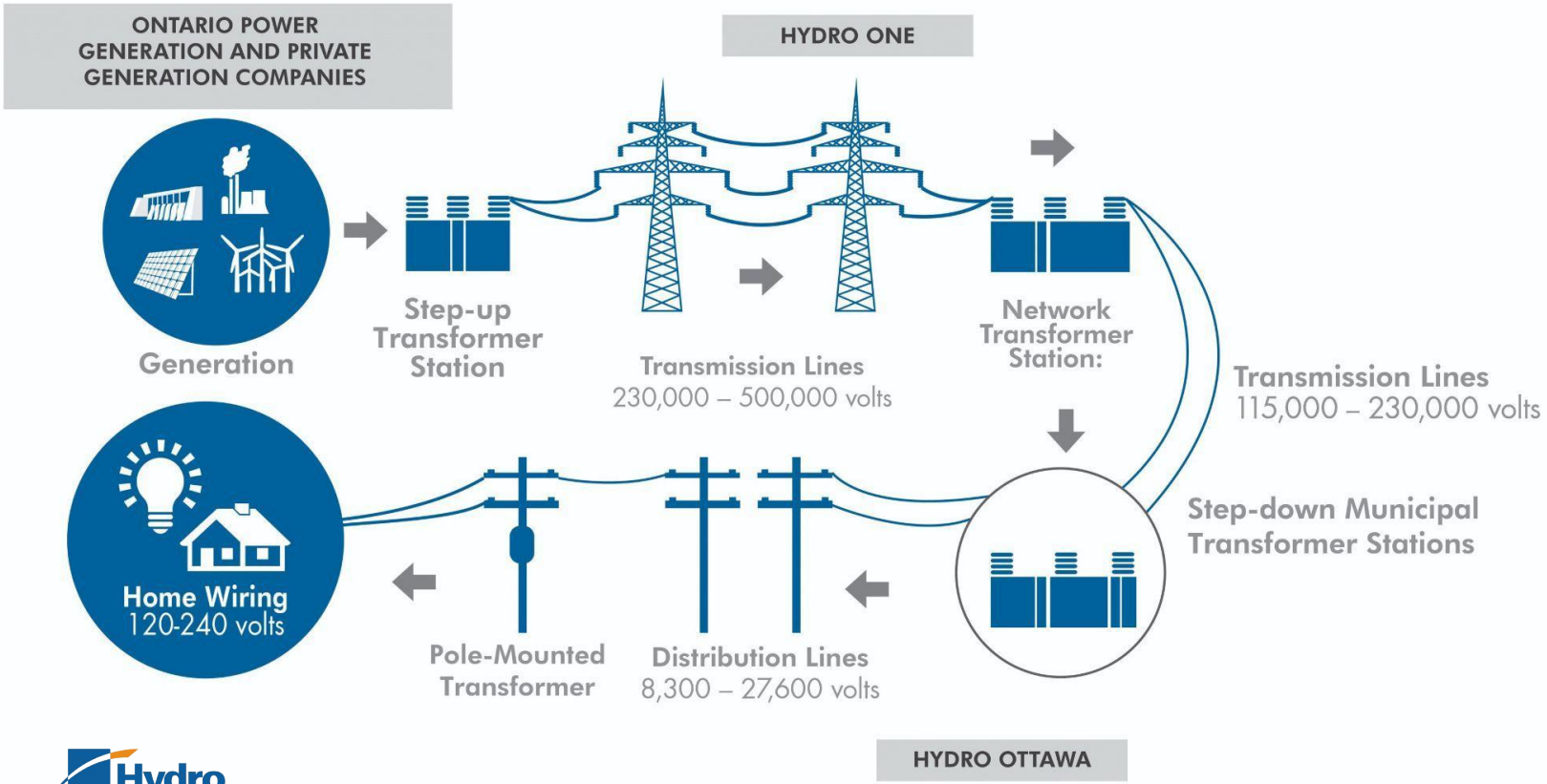
Hydro Ottawa
Builds, owns, operates and maintains the distribution of electricity facilities to more than 372,000 homes and businesses in Ottawa and Casselman.

Hydro One Networks Inc.
Builds, owns, operates and maintains most electricity transmission and distribution facilities across Ontario.

Independent Electricity System Operator
Operates the provincial electricity system, and is responsible for planning to ensure electricity needs are met both now and in the future.

Ministry of the Environment, Conservation and Parks
The legislative authority responsible for environmental assessments in the province of Ontario.

Electricity



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Community benefits

- The Old Second Line Municipal Transformer Station project will serve existing customers and support projected growth in electricity demand for new residential and commercial developments in West-Carleton March and Kanata-North wards for many years to come.
- The project will enhance reliability, reduce the size and frequency of outages, and provide redundancy to the area's electricity system during future extreme weather events.
- The Old Second Line Municipal Transformer Station (MTS) project is part of Hydro Ottawa's largest grid investment program designed to modernize our grid, and ensure a sustainable and reliable electricity supply.
- A reliable source of electricity is essential to supporting community growth.

Benefits

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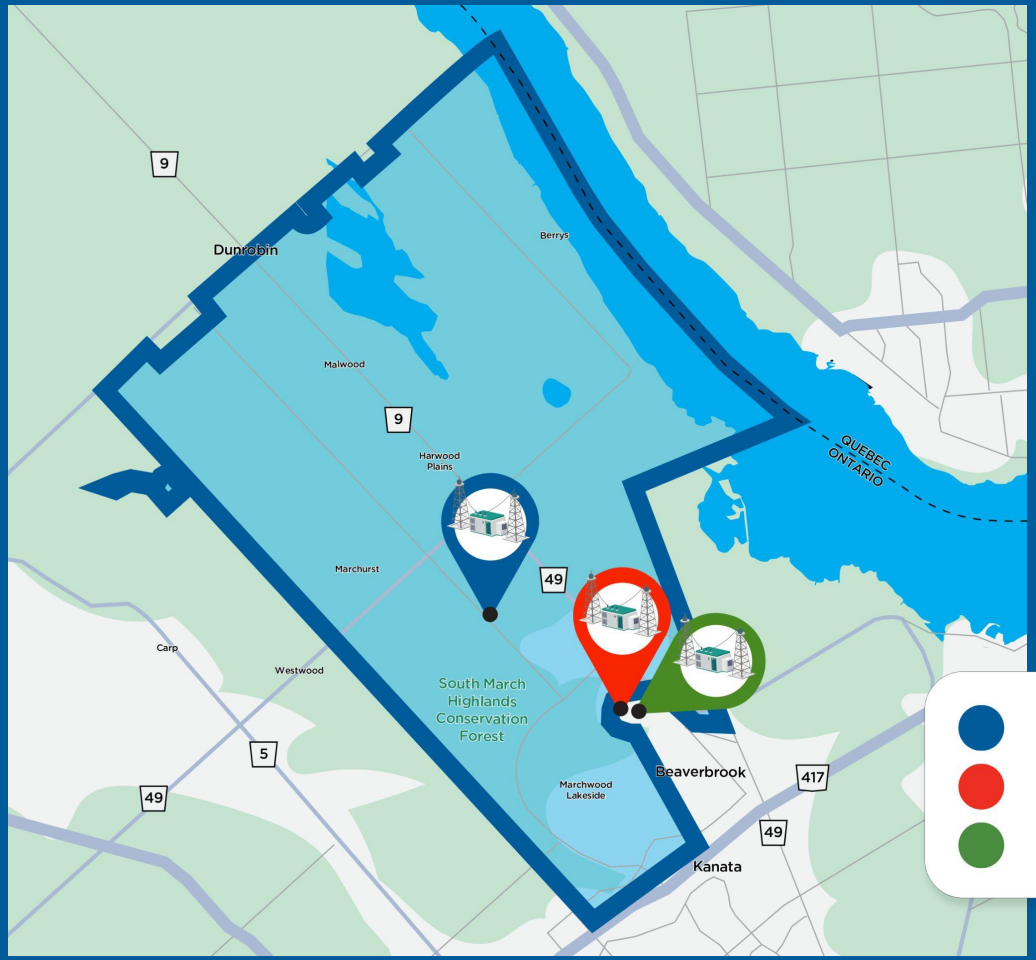
Benefits



- Old Second Line MTS
- Marchwood MTS
- Kanata MTS

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Community benefits *Cont'd*

To ensure the system is ready, there is important work that will take place in 2026, prior to the station's construction. This preparatory work will significantly improve the resilience and reliability of the local electricity distribution system for residents serviced by the new station.

- This includes the installation of new hydro poles along Old Second Line Road, Terry Fox Drive, and March Road, and supported by 86 anchors for storm and line stability. This robust infrastructure renewal, along with the installation of approximately 35,000 metres of new overhead conductor, future-proofs the community against severe weather.

Benefits

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Community benefits *Cont'd*

- To support current and future community energy needs, 13 new overhead transformers and 360 metres of new underground duct will be installed. This increase in capacity helps manage growing power demands and prepares the area for continued development.

- Critical upgrades will enable quicker detection and resolution of power outages. This includes the installation of 42 new Fault Current Indicators (FCIs) for easier detection of issues on circuits and new switches for remote control of the power flow. These enhancements mean that when an outage occurs, crews can pinpoint the problem faster, leading to significantly quicker restoration times for residents and businesses.

Benefits

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Benefits

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What's being proposed

What's being proposed *Cont'd*

- **To meet future electricity needs responsibility, this project proposes:**
  - **to construct a new 27.6kV municipal transformer station (MTS) at 1310 Old Second Line Road, on the east side, approximately 70 metres south of Thomas Fuller Drive; and**
  - **to connect the new power station to Hydro One's existing 230kV transmission line, located to the south west of the station.**

- **The new Old Second Line station is similar in design and footprint to Hydro Ottawa's Terry Fox MTS (shown). As part of our sustainability commitments, Hydro Ottawa intends to develop Old Second Line as a lower carbon substation.**

- **This is Hydro Ottawa's fourth station project using the latest in innovative designs to reduce embodied carbon. Building on that experience, we are planning this station's construction to incorporate advanced technology, procurement, and construction techniques, using lower Global Warming Potential (GWP) materials and equipment to address the carbon footprint associated with the substation's construction and operation.**

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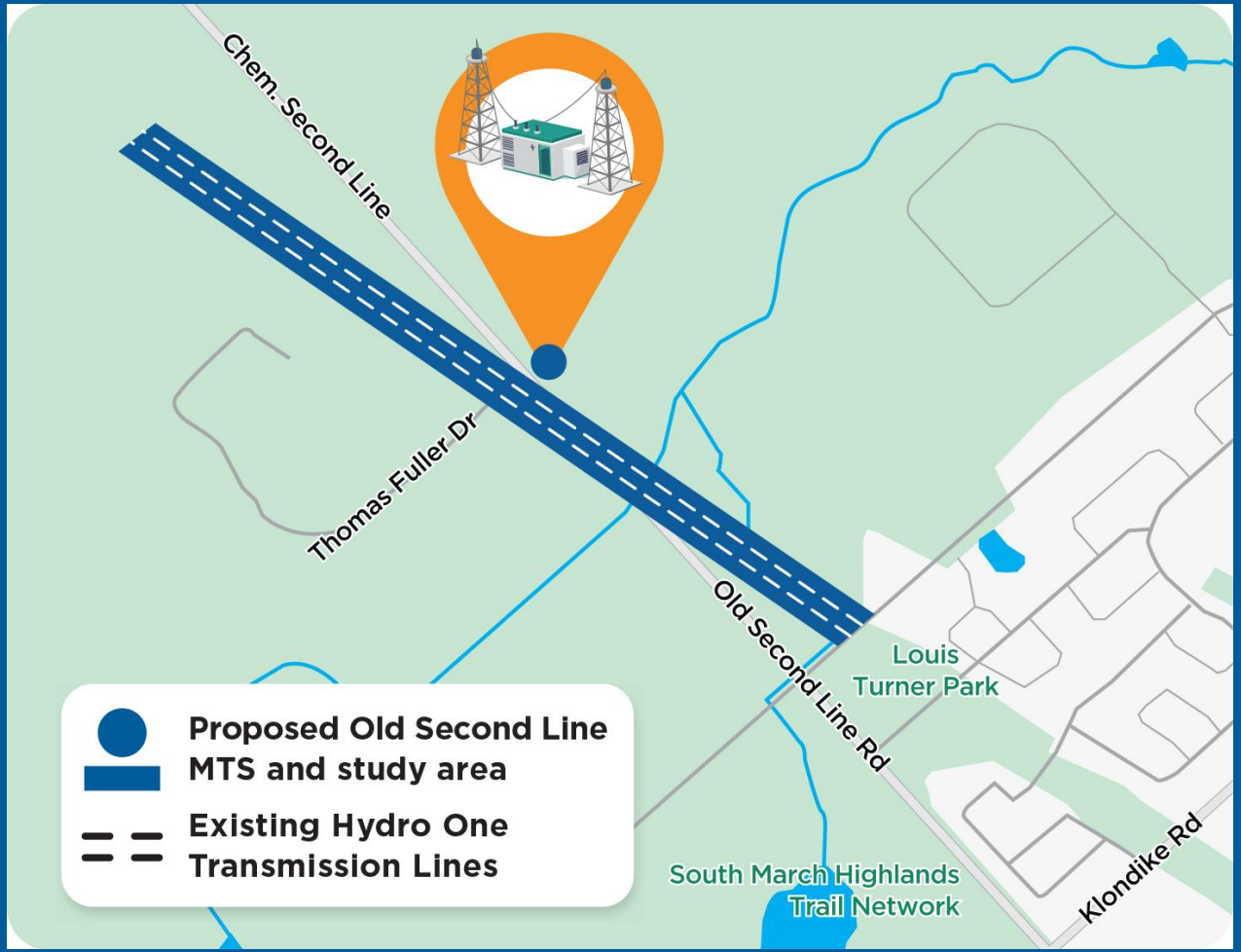
Where



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Environmental Assessment

This class environmental assessment sets out a planning process for specific minor transmission line and transmission station projects. Potential effects of the project will be examined through a number of detailed studies, taking into consideration factors relating to:

- The natural and socio-economic environments;
- cultural/heritage resources;
- recreational resources;
- existing and planned land uses;
- visual landscapes;
- technical/cost considerations; and
- the concerns and interests of local business and residential property owners, Indigenous communities, government agencies and other interested parties.

Process

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Environmental Assessment *Cont'd*

A number of natural environment field studies will be undertaken in the project area as part of the Class EA process. This will include:

- Species at Risk (SAR) surveys, as required by government agencies;
- ecological land classification;
- botanical and tree surveys;
- aquatic habitat assessments;
- incidental wildlife observations; and,
- potential significant wildlife habitat mapping.

Process

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Old Second Line Municipal Transformer Station

Anticipated project schedule

March 2020	The need for a new station is identified in the twenty-year Integrated Regional Resource Plan by Hydro Ottawa, Hydro One and the Independent Electricity System Operator.
2024 - 2025	Development work begins, including planning, pre-construction studies and identifying possible site locations for the new station.
September 2025 - February 2026	Environmental Assessment
September 2025	Notice of commencement of Class Environmental Assessment (Class EA).
November 2025	First series of community information sessions.
February - March 2026	Notice of completion of draft Environmental Study Report (ESR).
March 2026	Second series of community information sessions.
March - April 2026	Public review and comment period for draft Environmental Study Report.
March - April 2026	Submit final Environmental Study Report to the Ministry of the Environment, Conservation and Parks.
April - October 2026	Pre-construction planning and site prep.
September 2026	Third series of community information sessions (pre-construction).
October - November 2026	Anticipated start of construction.
November - December 2028	Target in-service date for new facility.

Schedule

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What happens next

Following this community information session, the project team will:

- Consider all feedback received from stakeholders and respond to inquiries in a timely manner.
- Complete the Environmental Study Report (ESR)
  - The ESR is part of the Class EA process
  - A draft version of the ESR will be made available for review
  - Notifications will be sent out when the draft ESR is available
- Host a second community information session about the ESR, its findings, and gather additional input from stakeholders

Next Steps

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What happens next *Cont'd*

- Hydro Ottawa will carefully consider all input and concerns raised during the public review and comment period before filing the final ESR with the Ministry of the Environment, Conservation and Parks.
- Prepare for permitting and approvals.
- Once the project is approved, we will host a third information session to provide details on the upcoming construction phase.

Next Steps

Your input is important to us

Thank you for joining us at our community information session.

We will continue to provide early, ongoing and respectful communications about the project and our plans.

Your feedback during the consultation process will be used to refine our project implementation plans and determine appropriate ways to minimize and mitigate impacts, where feasible.

We are committed to working together to achieve a successful outcome for the community.

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Join our project mailing list:
oldsecondline@hydroottawa.com

Visit our website for updates:
hydroottawa.com/oldsecondline

Thank you