



Old Second Line Transformer Station

Community information session



Agenda

1. Energy partners
2. How electricity is delivered to your community
3. Community benefits
4. What's being proposed
5. Where - Project area map
6. Environmental assessment process and study findings
7. Anticipated project schedule
8. Next steps
9. Your input is important to us / Thank you

Energy 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.



Independent System Operator **Electricity**

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



Hydro One Networks Inc.

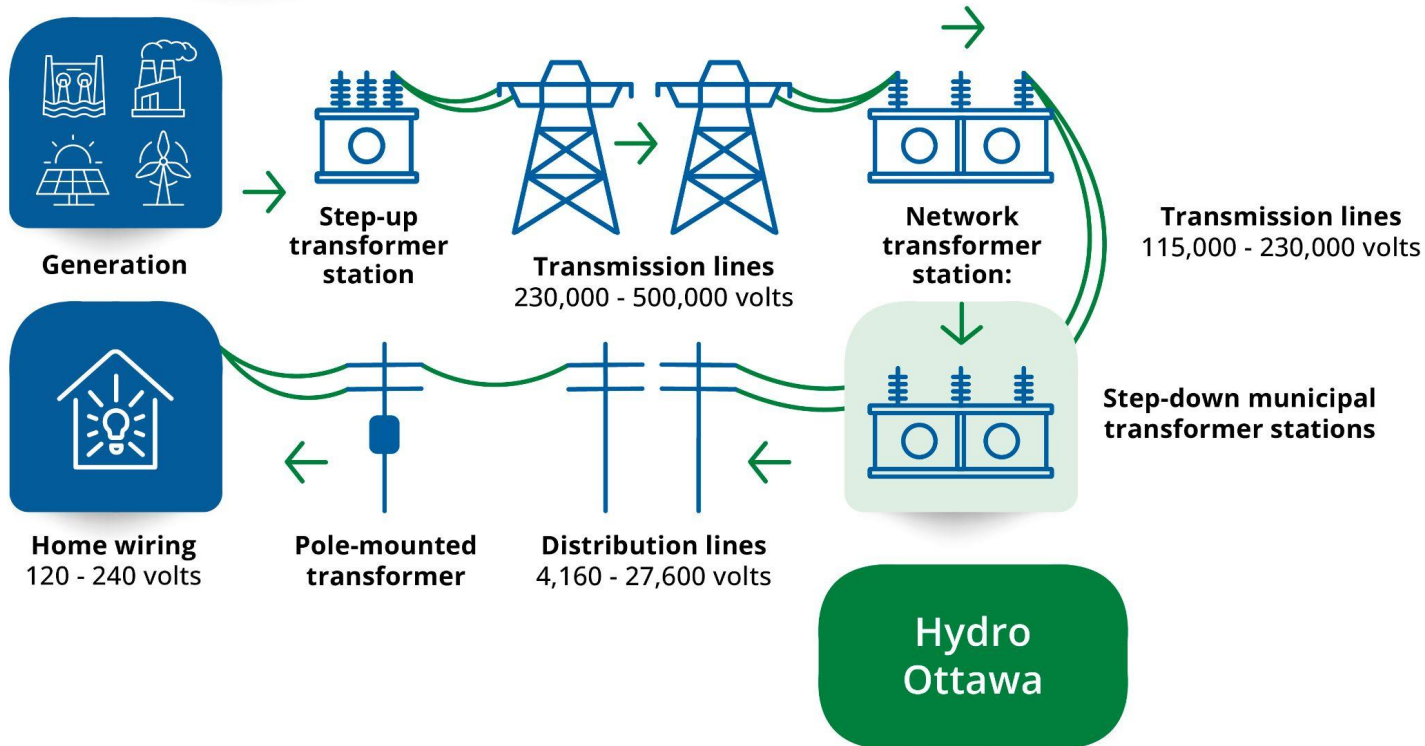
Builds, owns, operates and maintains most electricity transmission and distribution facilities across Ontario.



Ministry of the Environment, Conservation and Parks

The legislative authority responsible for environmental assessments in the province of Ontario.

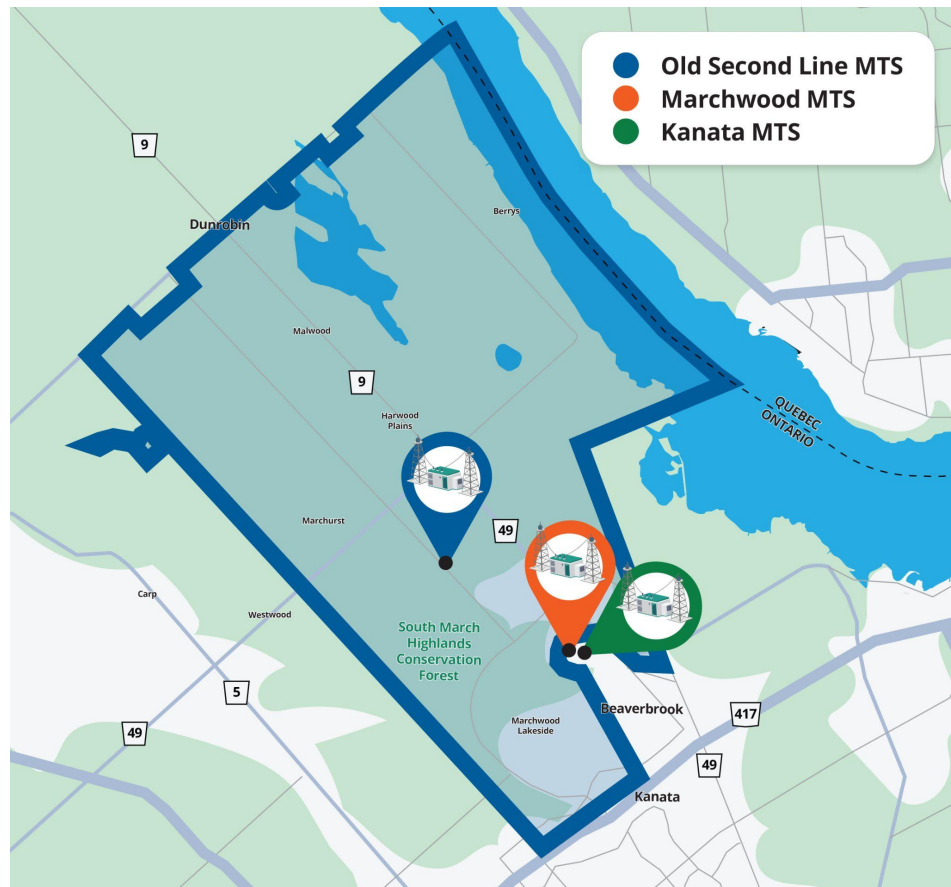
How electricity is delivered



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.



Community benefits

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.





What's being proposed (cont'd)

To meet future electricity needs responsibly, 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.

Where



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 were examined through a number of detailed studies, taking into consideration factors relating to:

- 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.

Environmental assessment (cont'd)

A number of natural environment field studies were undertaken in the project area as part of the Class EA process. These included:

- 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.
- Where effects on the natural environment cannot be avoided, appropriate mitigation measures are proposed.

Environmental study report findings

The archeological assessment was entrusted to a licensed archaeologist, who produced a Stage 1 archeological report. The background research conducted as part of Stage 1 assessment shows potential for the presence of archeological resources. A Stage 2 archeological study is therefore being undertaken.

The project site was assessed by a professional biologist and an environmentalist. The following summary outlines the notable findings:

- no species at risk (SAR) birds were detected from the survey.
- the desktop screening exercise identified seven mammalian endangered SAR (eastern small-footed myotis, little brown myotis, tri-coloured bat, eastern red myotis, hoary bat, northern myotis, and silver-haired bat) with a low potential to occur within the project area. Also, two bird species of threatened (bobolink, eastern meadowlark) were identified as having a low potential to occur within the project area.

Environmental study report findings (cont'd)

The project site was assessed by a professional biologist and an environmentalist. The following summary outlines the notable findings:

- no significant animal movement corridors exist on the project site.
- the site is not classified as a significant woodland.
- there were no butternut trees observed on the project site.
- the surveys did not reveal the presence of reptiles or suitable turtle habitats.
- there are no areas of natural significance (ANSI) within the study area according to the Ministry of Natural Resources and Forestry Natural Heritage.
- the proposed construction activity at the substation site has low potential to impact or alter the hydrogeological characteristics and function (groundwater and surface water interactions) of the natural environment in the area.

Anticipated project schedule



Next steps

Following this community information session:

Hydro Ottawa will carefully 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;
- address and/or document any outstanding concerns; and
- issue the final ESR following the review period and incorporate feedback received from stakeholders.

The project team will prepare for permitting and approvals.

The project team will host another community information session about our pre-construction plans, and gather additional input from stakeholders.

Your input is important to us

Thank you for joining us at our community information session.

We will continue to provide early, ongoing 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.
- Join our project mailing list:
oldsecondline@hydroottawa.com
- Visit our website for updates:
hydroottawa.com/oldsecondline

Thank you

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