



Greenbank Transformer Station

Community information session



Agenda

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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 Electricity System Operator

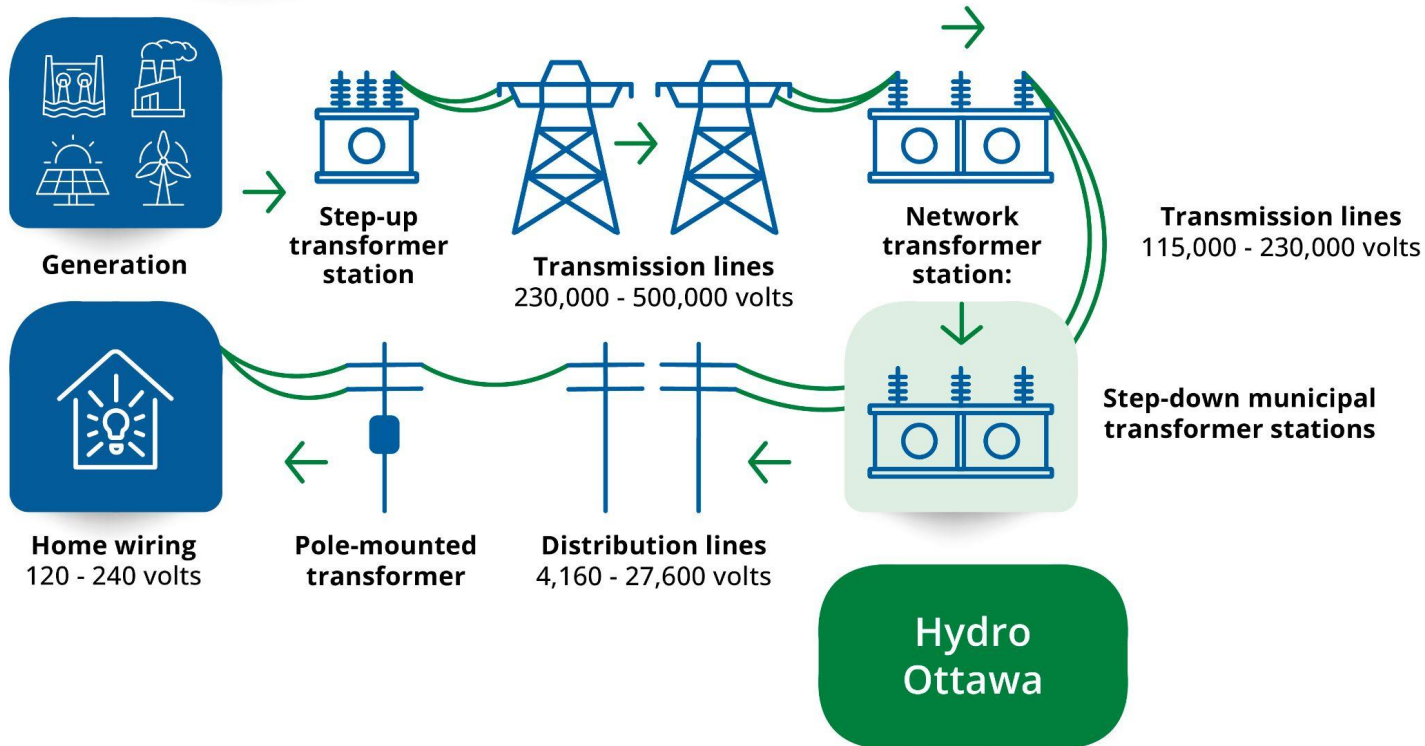
Operates the provincial electricity system, and is responsible for planning to ensure electricity needs are met both now and in the future.



Hydro One Networks Inc.

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

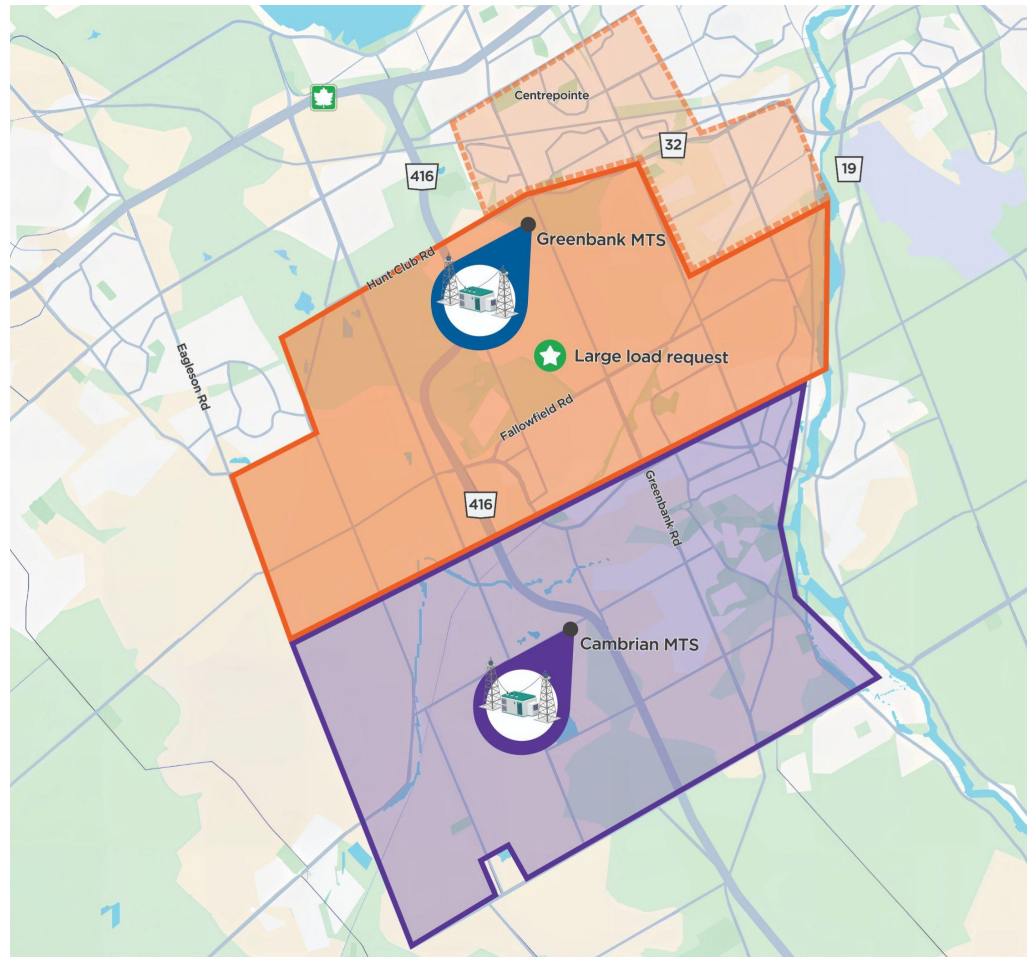
How electricity is delivered



Hydro Ottawa's municipal transformer station (MTS) is being proposed to support a Government of Canada construction project that is scheduled to take place over the next several years at the Canadian Food Inspection Agency (CFIA) Fallowfield Road campus. Currently, the electrical infrastructure in the area does not have the capacity to provide adequate supply for the project and the surrounding communities.

The Greenbank station is one of many future-planning investment projects we are spearheading to support growth and grid resilience.

The new substation will benefit and serve existing and new communities in south Nepean for many years to come. It will also enhance local reliability, provide redundancy, and reduce the duration and frequency of outages due to extreme weather events.





What's being proposed

To meet future electricity needs responsibly, this project proposes:

- to construct a new 27.6 kV municipal transformer station on Greenbank Road, approximately 450 metres south of the Hunt Club Road intersection.
- to connect the new power station to Hydro One's existing 230kV transmission power line located north of the proposed site.

The new Greenbank station is similar in design and footprint to Hydro Ottawa's Terry Fox MTS (shown).

Greenbank MTS will use the latest in innovative designs to reduce embodied carbon. The station's construction will incorporate advanced technology, procurement, and construction techniques, and use lower Global Warming Potential (GWP) materials and equipment to address the carbon footprint associated with the substation's construction and operation.

Over the next five years, a new generation of lower-carbon substations will transform how our communities are powered.

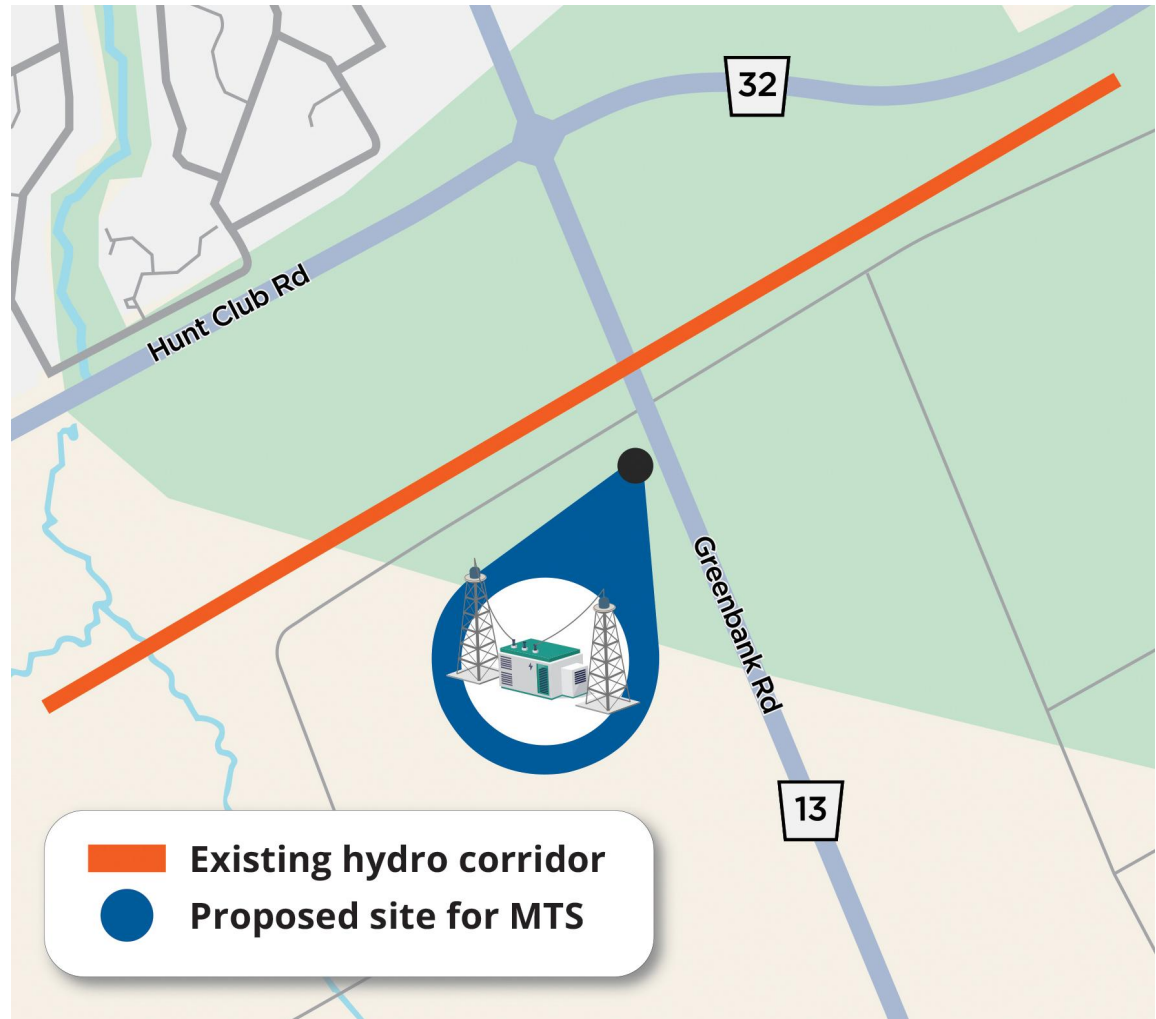
What's being proposed (cont'd)

Hydro Ottawa's role is to support the Government of Canada's construction project and long-term operational needs by providing adequate electricity supply, as per our Conditions of Service. Hydro Ottawa's construction work (our portion of the project) will take approximately two years to complete, with a target in-service date for the new Greenbank station by the end of 2028.

As the proposed location of the Greenbank municipal transformer station is on federal lands, the Impact Assessment Act (IAA) will be followed, aiming to support sustainable development, protect the environment, and uphold the rights of Indigenous Peoples.

Ahead of the new Greenbank station construction, important civil work is being planned. This includes essential upgrades to the existing electricity system, which will strengthen the local power grid to fully support the new station. These improvements are crucial and will enhance the reliability of electricity service for local residents. Once construction plans are finalized, we will hold a pre-construction information session to share all specific details with the community.

Where



Federal environmental assessment

Hydro Ottawa's new Greenbank substation project will be listed on the Canadian Impact Assessment Registry.

A federal environmental assessment ensures that this transmission facility project is planned and executed in an efficient and environmentally responsible way.

It is anticipated that construction of the new station could begin by the end of 2026 and be in-service by the end of 2028 (pending the resolution of the federal environmental assessment procedure and other permits).

Independent environmental consultants have completed field work, including soil sampling, and are in the process of drafting an environmental impact assessment. These pro-active studies were conducted to determine the technical and environmental suitability of the 4-acre parcel of land where the new station will be constructed in order to satisfy the federal impact assessment requirements.

Federal environmental assessment (cont'd)

The federal environmental assessment takes a broad and all-encompassing view of the environment. Potential effects of the project are 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.

A number of natural environment field studies are undertaken in the project area as part of the federal environmental assessment process. This includes:

- 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 being proposed.

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.

The project will be listed on the Canadian Impact Assessment Registry, initiating a public review and comment period. Search for the “Greenbank Municipal Transformer Station project” on the federal website to participate in the process.

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:
greenbank@hydroottawa.com
- Visit our website for updates:
hydroottawa.com/greenbank

Thank you

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