Mer-Bleue Municipal Transformer Station

Community Information Session 3

February 11, 2026

Hydro Ottawa

Welcome to our community information session

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- How electricity is delivered to your community
- Community benefits
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- Station construction details (continued)
- Distribution system upgrade construction
- Where - Distribution system upgrade map
- Construction schedule
- What to expect during construction
- Thank you

Outline

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Partners

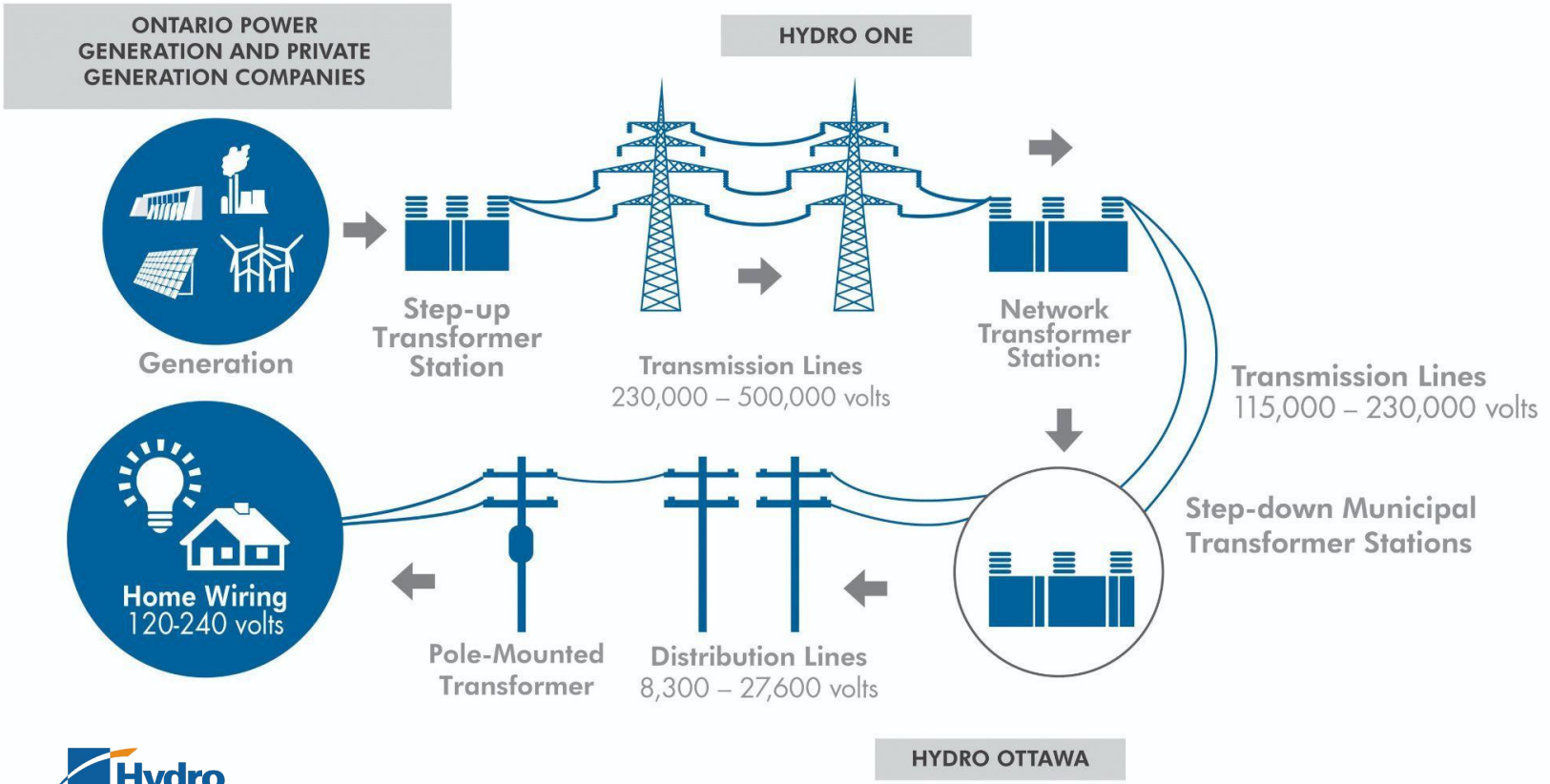
Hydro Ottawa
Builds, owns, operates and maintains the distribution of electricity facilities to more than 372,000 homes and businesses in Ottawa and Casselman.

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

- A reliable source of electricity is essential to supporting community growth - powering homes, schools, businesses, and transportation.
- By investing in new technology for the electricity grid, customers will be further protected from prolonged outages caused by extreme weather-related events.
- Maximize the use of existing provincial infrastructure such as Hydro One's 230kV transmission line, which is consistent with good planning practices.
- The station's close proximity to the transmission system eliminates the need for additional land rights from public and private landowners.
- Helps to make the community's electricity system as sustainable, reliable and resilient as possible.

Benefits

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Summary of activities to date

2020	Mar	Need for new station identified in Integrated Regional Resource Plan
2023	Apr	Orléans area planning study performed by the IESO
2024	Sep	Environmental analysis begins
	Dec	Notice of commencement of Class Environmental Assessment
2025	Jan	Community information session 1
	Mar	Environmental analysis concludes
	May	Notice of completion - Draft Environmental Study Report Community information session 2
	Jun	Public review and comment period for Draft ESR
	Jul	Environmental Study Report submitted to the MOECP Pre-construction site prep begins
2026	Feb	Community information session 3
	Mar	Construction begins

Summary

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Station construction

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Station construction (cont'd)

- The Mer-Bleue municipal transformer station is part of Hydro Ottawa's investment plan designed to modernize our grid, and ensure a sustainable and reliable electricity supply for new and existing customers in the east.
- The Mer-Bleue MTS will be similar in design and footprint to Hydro Ottawa's Terry Fox MTS (shown on previous slide).
- To meet future electricity needs responsibility, this project proposes:
  - to construct a new 27.6kV municipal transformer station (MTS) on the west side of Mer-Bleue Road, located 300 metres north west of the intersection at Brian Coburn Boulevard;
  - to connect the new power station to Hydro One's existing 230kV transmission line, located south of the proposed station.

Station

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Station construction (cont'd)

- As part of our sustainability commitments, we intend to develop Mer-Bleue as a lower-carbon substation.
- This is one of five Hydro Ottawa station projects 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.
- 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.

Station

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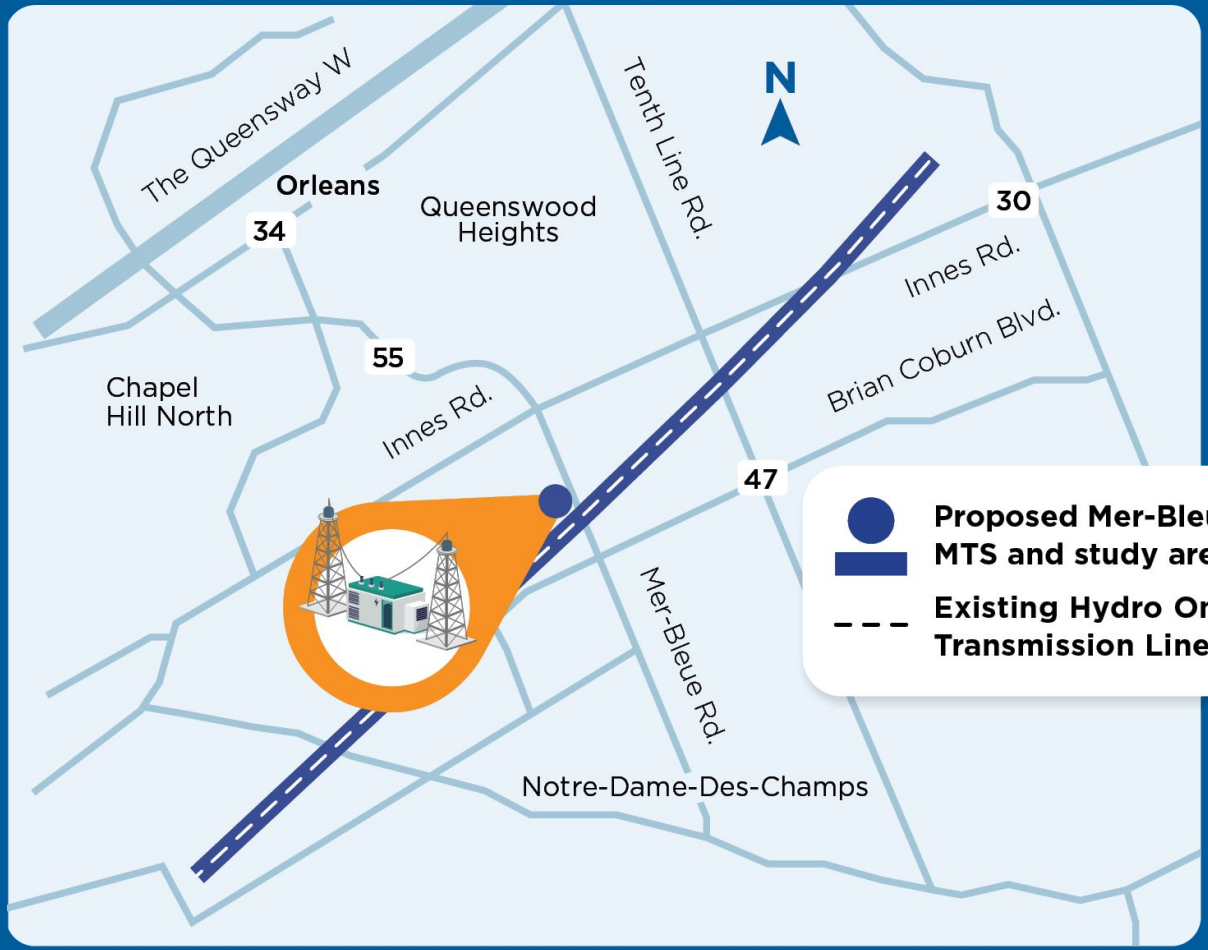
Where



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Station construction schedule

Mar 2026	Mar - Dec 2026	Apr - Sep 2026	Nov 2026 - Feb 2027	Feb - Jun 2027	Jul - Sep 2027
Mobilization and excavation	**Equipment Foundations**	**Building**	**Equipment installation** **Hydro One line tap construction** Connect the new station to the existing system and Hydro One's transmission lines.	**Commissioning**	**Energization**

Schedule

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What to expect during station construction

- Local residents may see various types and frequencies of construction traffic depending on the stage of the construction. There will not be a sustained long-term traffic impact associated with the construction of the Mer-Bleue station itself.
- When necessary, traffic control will be implemented to ensure that roads remain safe for residents. Our qualified staff and contractors will ensure that any inconvenience is minimal.
- Over the course of this project, some customers may experience one or two planned power outages. If there is a need for a planned power outage, we provide our customers with as much notice as possible. This includes notifications by phone, text and/or email depending on the account contact information we have on file, as well as hand-delivered letters where applicable.
- To ensure the safety of the public and our crews, the majority of construction will be completed weekdays between 7 a.m. and 5 p.m., and in accordance with City of Ottawa noise by-law.

Next Steps

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Upgrades

Distribution system upgrade construction

- The new transformer station is part of a plan to create a more resilient electricity system. This plan includes making the local distribution infrastructure (poles, wires, cables, and transformers) more robust against severe weather and growing demand.
- This initial phase integrates the new Mer-Bleue station, which will eventually replace the Bilberry station and connect with the Orleans station.
- These upgrades facilitate the new station's integration and future-proof the community's distribution system by adding redundancy and reliability.
- New switches and upgrades will be installed to allow for the remote control of power flow.
- This remote control technology will enable crews to pinpoint the source of an outage faster, resulting in quicker power restoration times.

Upgrades

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Distribution system upgrade construction (cont'd)

- Key infrastructure upgrades include:
  - Installation of ten new hydro poles on Frank Bender Street, Mer-Bleue Road, and Brian Coburn Boulevard to support new station egress.
  - Installation of approximately 8.25 km of new overhead conductor on Brian Coburn Boulevard, from Mer-Bleue Road to Navan Road, to provide added circuit capacity in the area.
  - Installation of approximately 2.25 km of new underground infrastructure along Mer-Bleue Road, Innes Road, Frank Bender Street, and Brian Coburn Boulevard to connect the new station to the existing system.
  - This underground work includes new concrete-encased duct structures and cable chambers, containing about 9 km of new underground cable.

Upgrades

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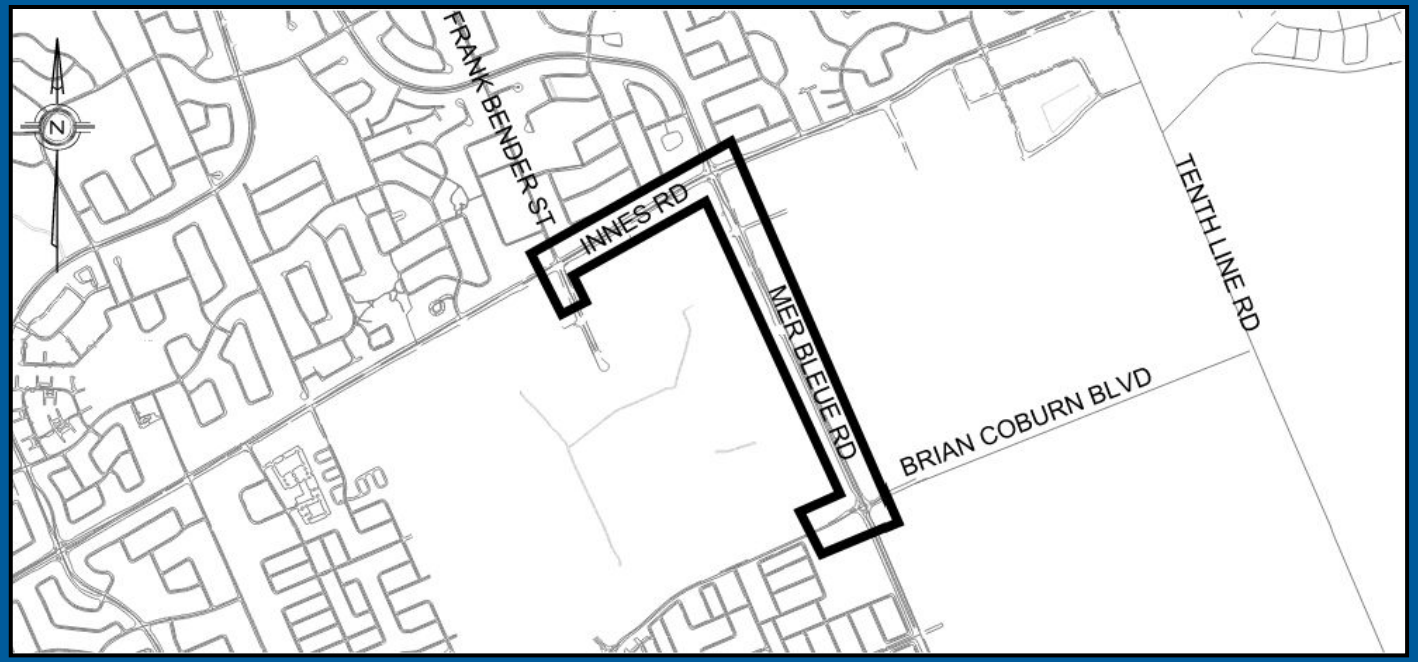
Where - Station egress map



Where

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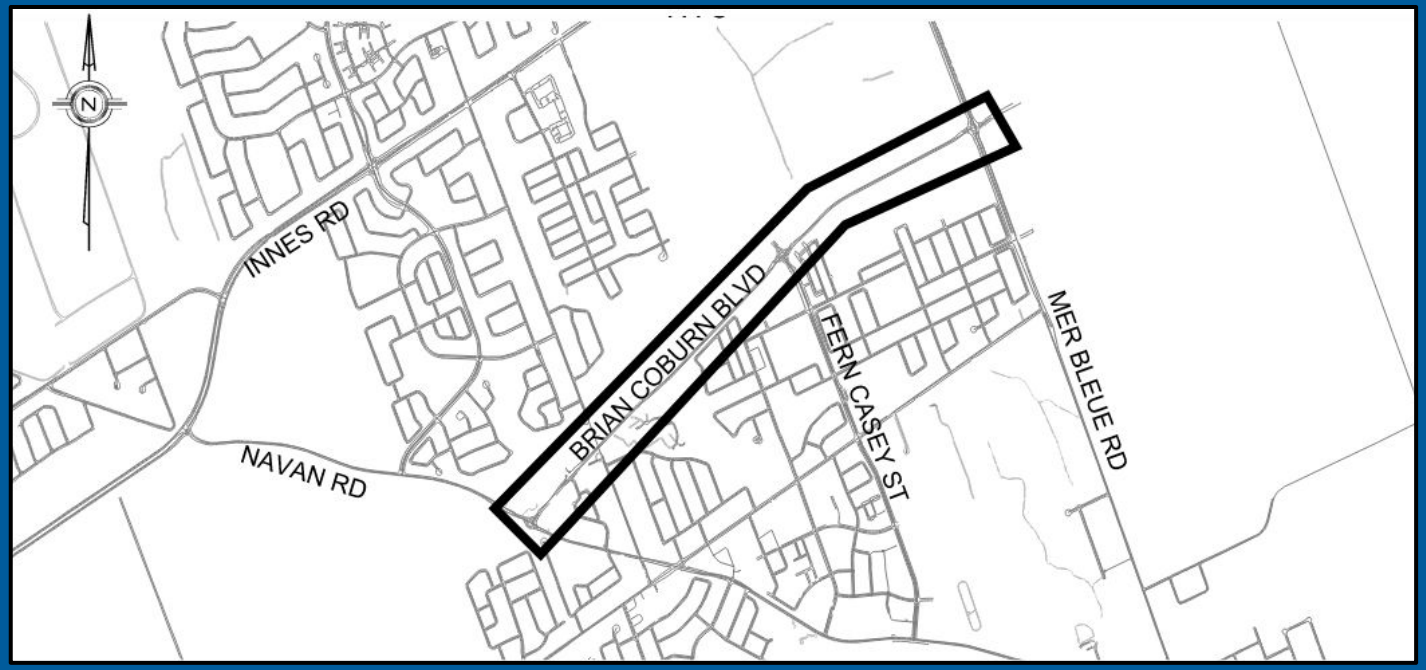
Where - Brian Coburn circuit map



Where

Distribution system upgrade construction schedule

Apr 2026	Jun - Jul 2026	Jul - Aug 2026	Dec 2026	Jan - Mar 2027
Egress civil work begins Installation of approximately 2.25 km of new underground infrastructure along Mer-Bleue Road, Innes Road, Frank Bender Street, and Brian Coburn Boulevard.	**Pole replacements** Installation of ten new hydro poles on Frank Bender Street, Mer-Bleue Road, and Brian Coburn Boulevard to support new station egress. **SCADA switching** New switches and upgrades will be installed to allow for the remote control of power flow.	**Brian Coburn circuit stringing** Installation of approximately 8.25 km of new overhead conductor on Brian Coburn Boulevard, from Mer-Bleue Road to Navan Road, to provide added circuit capacity in the area.	**Egress civil work ends** Finalize the installation of new underground infrastructure, which includes new concrete-encased duct structures and cable chambers.	**Egress electrics** Installation of approximately 9 km of new underground cable, allowing connection between the new station and the existing system.

Schedule

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What to expect during construction of distribution system upgrades

- To ensure a safe environment for both our crews and community, temporary lane reductions and sidewalk closures will be in place.
- Construction signage and detour markers will be installed throughout the roadways and are designed to provide clear direction so you can navigate the area safely and predictably.
- Following the completion of underground work, our crews will restore the construction area to its finished grade using topsoil and grass seed to return the corridor to its natural state, as well as hard surface reinstatement.
- To safely connect the new infrastructure, planned outages may be required. Impacted customers will receive notification via contacted by phone, text or email ahead of time to allow for planning.

Next Steps

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Your input is important to us

Thank you for joining our community information session.

If you have any further questions about the construction phase of the project, please contact us.

Join our project mailing list:
merbleue@hydroottawa.com

Visit our website for updates:
hydroottawa.com/merbleue

Thank you

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