Welcome

Welland Thorold Power Line

Community open house #3

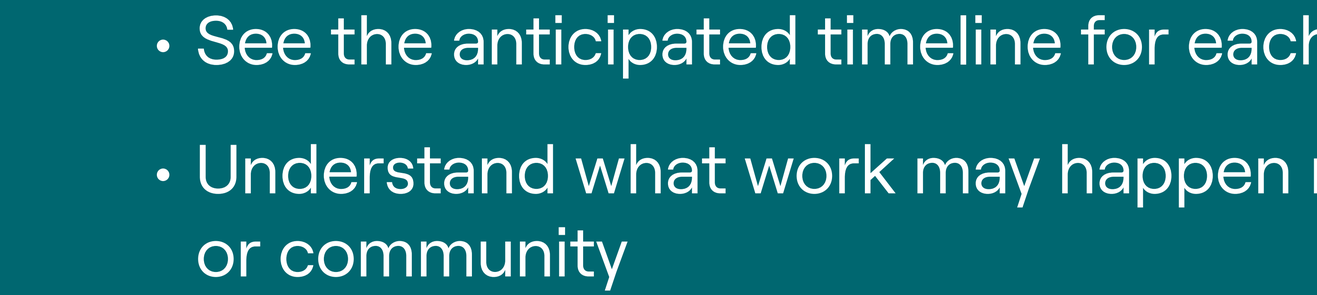
September 2026

Why we are here

Construction on the Welland Thorold Power Line is beginning, and we are here to walk you through what to expect.

Tonight, you can:

- Learn more about the construction activities planned along the transmission line
- See the anticipated timeline for each phase of work
- Understand what work may happen near your property or community
- Meet the project team
- Ask questions and share feedback as the project moves into construction



hydro one

Connecting power and possibility™

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Land acknowledgement

Hydro One acknowledges that the Welland Thorold Power Line is on the traditional territory of the Anishinaabeg and the Haudenosaunee, and is now home to many diverse Indigenous people.

Hydro One understands that Indigenous Nations have been here since time immemorial and are stewards of what many refer to as Turtle Island.

We are all Treaty People and with a commitment to friendship and our pursuit of reconciliation, we are thankful to be welcomed on these lands as partners so we can improve on our past and energize our combined futures.

Who we are

Hydro One is a transmission and distribution company delivering safe and reliable electricity to approximately 1.5 million customers across Ontario.

Forbes Bros is the selected lines contractor with experience to build large-scale transmission line projects.

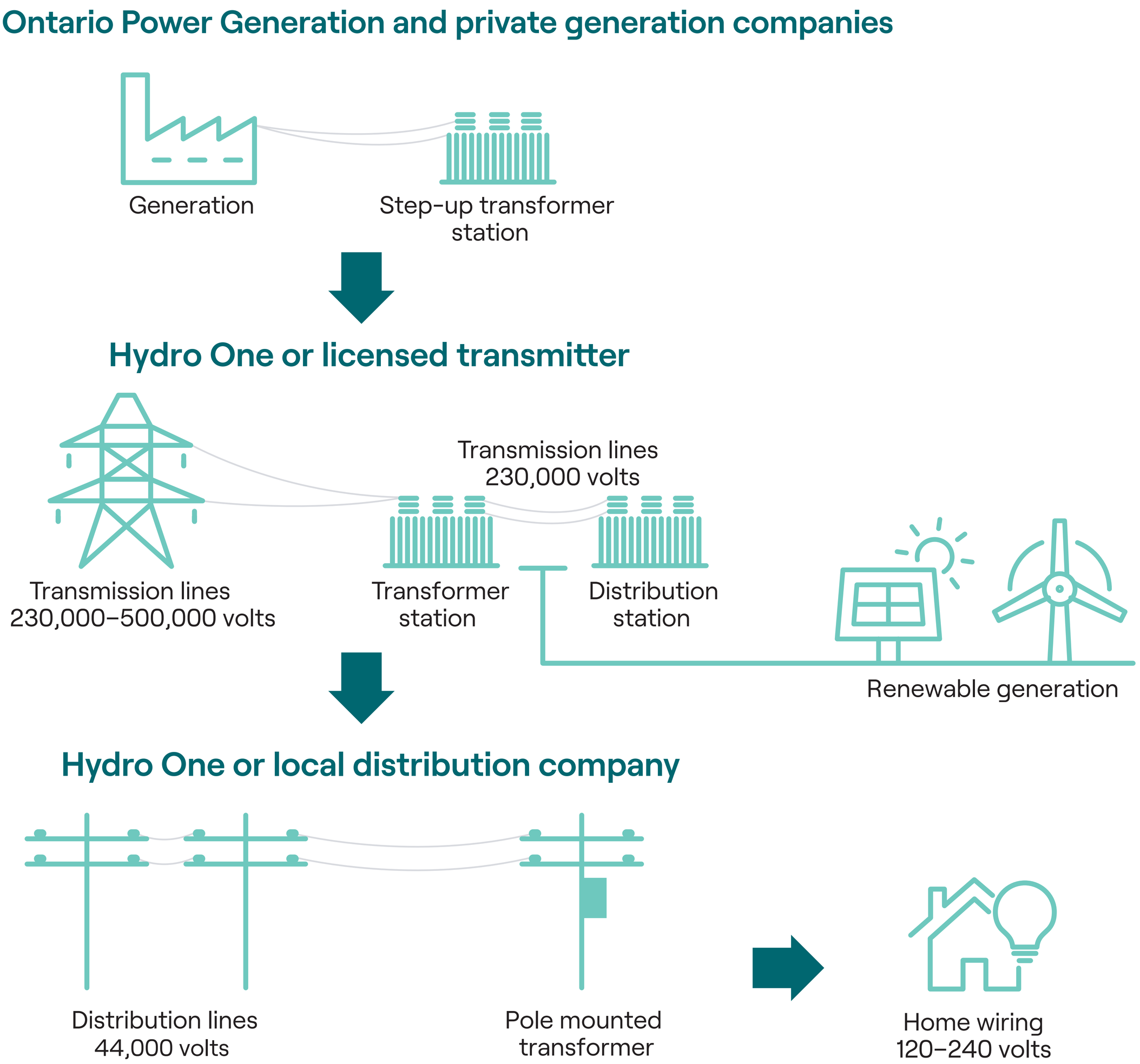
Iconic Power Systems is the selected stations contractor with the experience to build large-scale transmission stations project.



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Hydro One's role in the system

Across the province, Hydro One builds, owns, operates and maintains the electricity transmission and distribution network that brings power to homes and businesses.



Welland Thorold Transmission Line project

Reliable electricity powers everyday life, from homes and schools to hospitals and local businesses. As demand for electricity in Niagara continues to increase, Hydro One is building the Welland Thorold Power Line to strengthen the region's transmission network and support future growth.

The project will:

- Improve the reliability and resiliency of the Niagara Region transmission network
- Increase the capacity of the local transmission system to meet growing electricity needs
- Support continued growth across the region

The project was identified through regional electricity planning led by the Independent Electricity System Operator (IESO) and received approval from the Ontario Energy Board in July 2026.

Hydro One and its contractors will construct a new 230-kV double-circuit transmission line connecting an existing Hydro One corridor in Thorold to Crowland Transformer Station (TS) in Welland.

To connect the new line, Hydro One will expand Crowland TS on Hydro One-owned land.

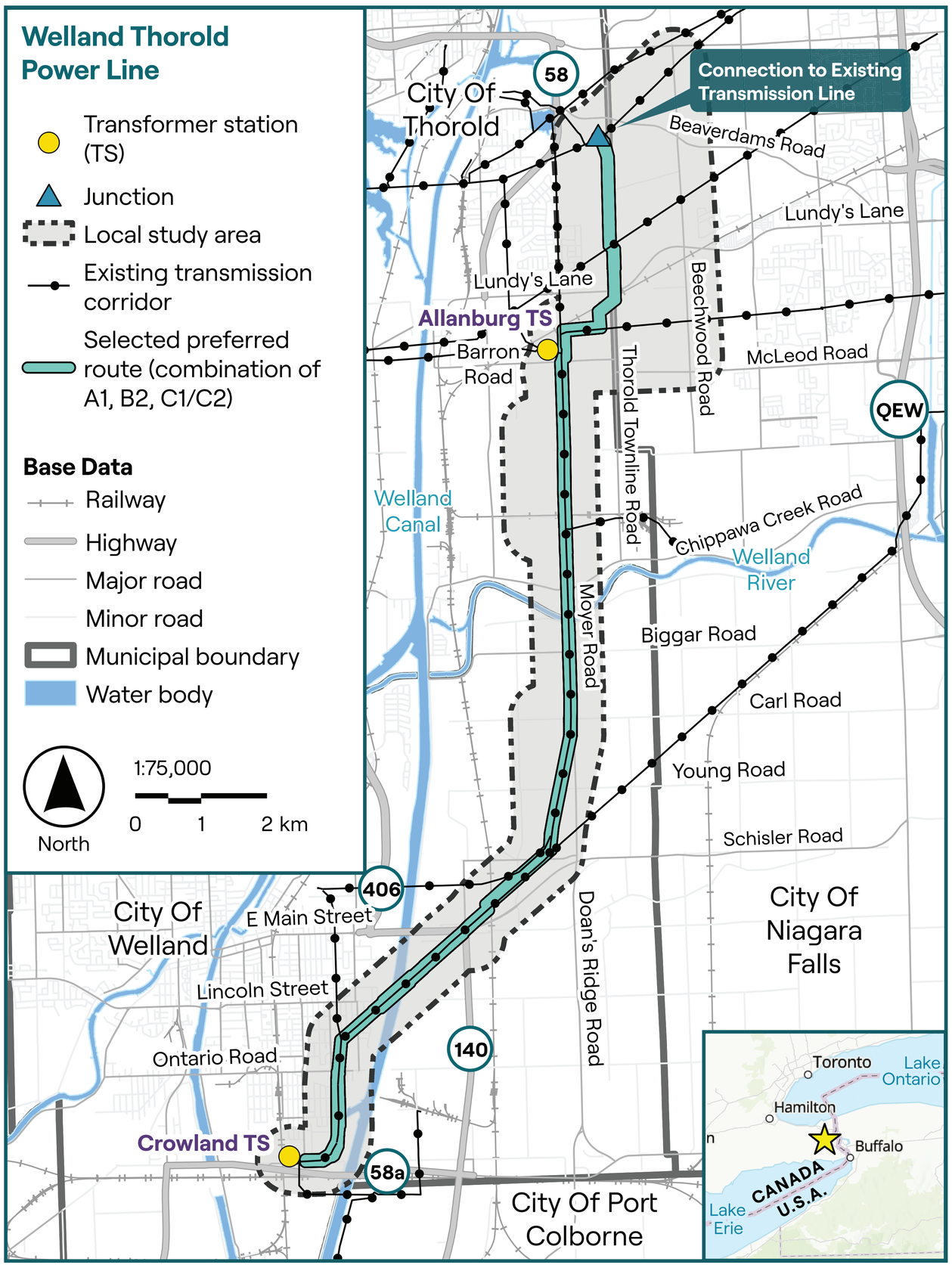
Our contractors, Forbes Bros and Iconic Power Systems, will construct the transmission line and associated station.

The line is expected to be in service in 2029.

Welland Thorold Transmission Line project

The route:

- Follows existing roads, hydro corridors and other infrastructure where possible
- Has the least effect on residential properties and buildings
- Minimizes impacts to agricultural land
- Has the least impact to species at risk and significant wildlife habitat



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Planned construction activities and milestones

Step one – Prepare the corridor

Fall 2026 to summer 2027

Step two – Build the line

Fall 2026 to winter 2028

Step three – Complete and energize line

Fall 2027 to fall 2029

Construction will be phased along the line with crews working at multiple work locations at the same time.

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Step one – Prepare the corridor

Removal of the existing line
Anticipated timeline: Fall 2026 to summer 2027

- Crews will remove approximately 13 kilometres of idle line along a portion of the existing transmission corridor.
- Material will be separated and removed for safe disposal at an approved site.

Creation of access roads and construction areas
Anticipated timeline: Fall 2026 to summer 2027

- Initial work will include installing temporary access roads, where necessary, along the route to allow for construction of the new line.
- Access roads will be constructed using gravel, excavators and bulldozers. Wooden mats and/or gravel will be placed at each tower location and as needed along the corridor to support heavy equipment.
- Vegetation, such as trees or brush, around the new tower locations and construction areas will also be removed.



Step two – Build the line

Install tower foundations
Anticipated timeline: Fall 2026 to summer 2027

- Once construction sites are prepared, crews will install tower foundations to support the new tower structures.
- Foundations will be built with helical piles, which are hollow steel tubes that will be installed with specialized equipment.
- Tower foundations are typically between seven metres and 14 metres below ground.

Install new transmission towers
Anticipated timeline: Spring 2027 to summer 2028

- We will take a phased approach beginning in the Crowland TS area and moving northeast towards Thorold.
- Crews will use cranes, aerial lifts and climbing techniques to assemble 93 new towers along the route.

Stringing new power line and associated equipment
Anticipated timeline: Spring 2027 to winter 2028

- Approximately 20 km of conductor will be strung. Each span of line is between 225 and 300 metres in length.
- Crews will use cable splicing techniques to connect the lines along the route.
- Cranes will be used to install insulators along the line.



Step three – Complete and energize line

Restoring construction areas
Anticipated timeline: Fall 2027 to fall 2029

- Construction sites will be graded and returned to a pre-construction state.
- Temporary access roads will be removed, and routes will be returned to their pre-construction state.

Energizing the line
Anticipated timeline: Fall 2029

- Once crews are finished construction, Hydro One will energize the line.

Additional work

Crowland Transformer Station expansion

Beginning September 2026, intermittently until 2029, we will work to expand the existing station to accommodate the new lines and associated equipment.

The expanded area will be to the east of the existing station on Hydro One-owned lands.

Work will typically take place from Monday to Friday, from 7 a.m. to 5 p.m. Weekend and after-hours work may be required for certain activities.



Crowland Transformer Station

Legend

- Existing Transmission Line
- Site Plan
- Current Fence
- New Proposed Fence
- Parcel Boundary
- Alternative Route C2
- Major Road
- Railway

North

1:500

0 25 50 m

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Working with you

We will be in your community as we build this transmission line. Hydro One and our contractors will make every effort to minimize disruption. Here are some of our mitigation measures:

Property

- Reviewing existing property maps and plans and completing locates, and, if required, relocating drainage tiles before excavation.
- Using access mats and gravel access roads constructed with a geotextile base layer to mitigate soil compaction, where required.

Vibration

- Construction crews will implement best practices to minimize vibration from heavy machinery.

Noise

- Construction on the lines will typically occur between 7 a.m. to 5 p.m. from Monday to Sunday.
- If exceptions are required, construction crews will acquire the appropriate permits and approvals.

Dust

- Construction crews will implement best management practices to control and minimize dust. This can include watering areas with fine-grain materials along with temporary barriers.

Soil

- Utilizing a management plan to address compaction, rutting, admixing, storage, slurry, re-use and the safe disposal of soil.

Traffic

- Where temporary lane restrictions are required, construction crews will coordinate the timing of construction with municipalities and other projects that may be scheduled in the area. Contractors will also have staff on-site to direct traffic as needed.
- All necessary permits will be obtained in advance.



Thank you

At Hydro One, safety comes first. We will work with our construction partners and impacted property owners before construction begins. If you have any property-specific questions, please contact the Forbes Bros team: Glen Murphy at 780-782-5912.

We're here to help. If you would like further information or have any questions, please contact

1-877-345-6799

Community.Relations@HydroOne.com

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