

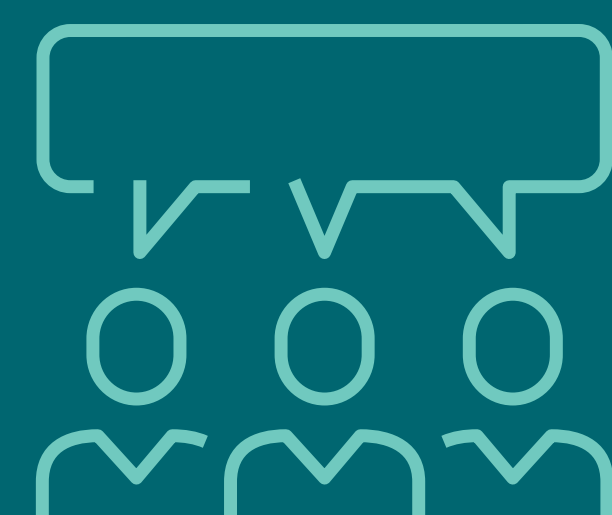
Welcome

Islington Transformer Station and Line Project Community Open House #1

Why we are here:

- Provide project need and overview
- Discuss the Environmental Assessment and planning process
- Share update on preferred route and junction locations
- Share what's involved in building this project

As our team is working on determining the construction details and mitigation plan for this work, we want to listen to your feedback and answer your questions.

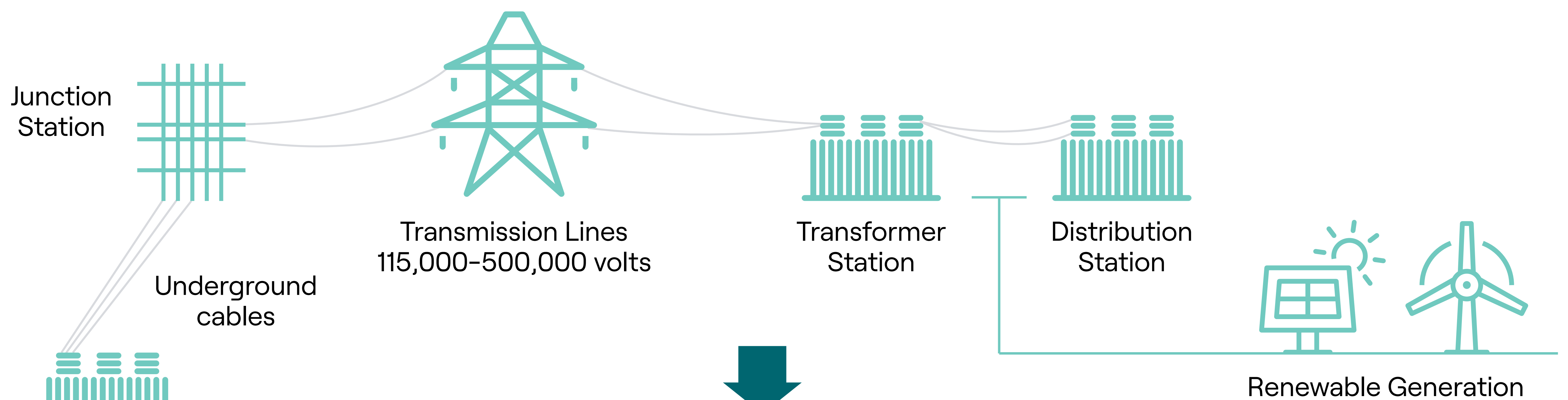


We keep the lights on

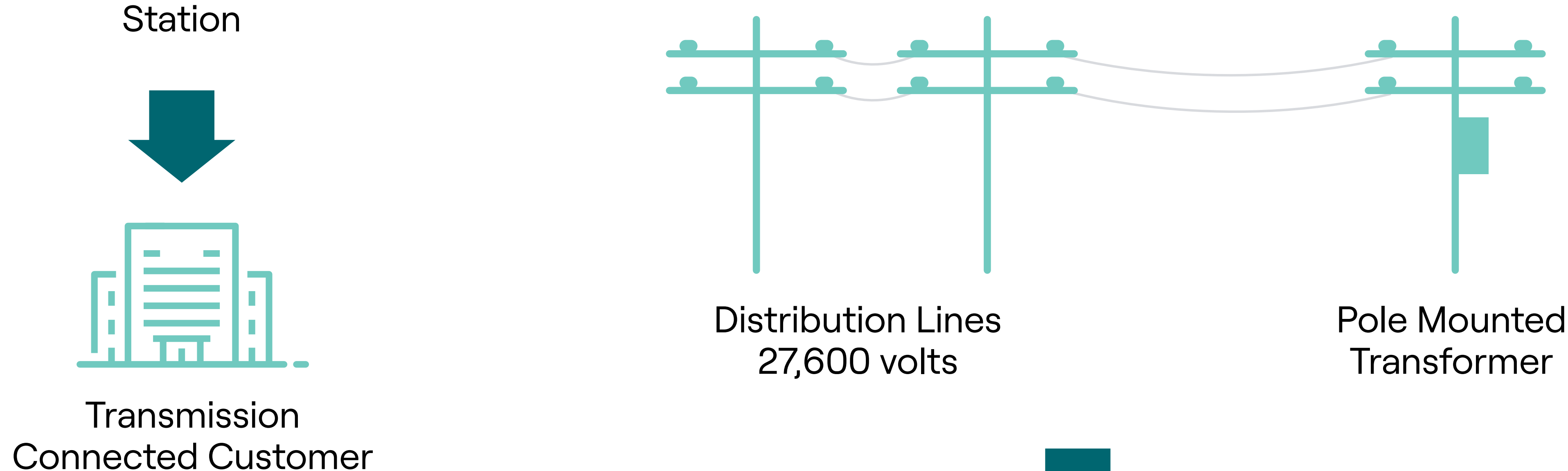
Ontario Power Generation and Private Generation Companies



Hydro One or Licensed Transmitter



Toronto Hydro



Project overview

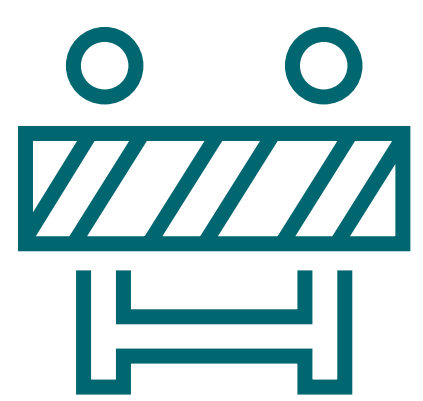


As industry and businesses grow in the City of Toronto, so does the need for safe, clean and reliable power. In fall 2022, Hydro One initiated a Class Environmental Assessment (Class EA) to connect a new data facility, planned at 48 Lowe's Place in Etobicoke, to the electricity grid.

Proposed project components include:



Building a new 230 kilovolt (kV) transformer station (TS) on the data facility's property.



Installing two new junction stations (JCT) in an existing Hydro One corridor south of Rexdale Boulevard. JCTs help transition power from overhead transmission lines to new underground cables.



Installing two new underground 230 kV transmission cables between the new JCTs and TS.

Since the Class EA was initiated, Hydro One has been reviewing environmental and technical data and collected feedback on the study area shared in 2022. Based on this analysis and information, we have now selected a preferred route.

What is a Class Environmental Assessment?

Minimizing the environmental effects of our projects and operations is important to us. The planning of this project will follow the “Class Environmental Assessment for Minor Transmission Facilities (2022)” (Class EA for MTF), established in accordance with the Ontario Environmental Assessment Act. This planning process applies to transmission infrastructure projects that are carried out routinely and have predictable environmental effects that can be readily managed.

Within the Class EA for MTF there are two levels of assessment associated with the type of project and potential environmental effects. These include:



- 1) Screening Process (streamlined), and
- 2) Full Class EA Process.

Based on the examples provided in the Class EA document, it is anticipated that this project will follow the Screening Process subject to consultation activities and satisfying the applicable screening criteria.

For more information, please visit:



[HydroOne.com/ClassEA](https://hydroone.com/ClassEA)

[HydroOne.com/ClassEAScreeningProjects](https://hydroone.com/ClassEAScreeningProjects)

A photograph of three people (two women and one man) sitting around a table in a meeting, looking at a tablet. The man is pointing at the screen while the two women look on attentively.

Project milestones



Consultation and engagement will be ongoing throughout the project

- August 2022**
Notice of Commencement
- August 2022 to December 2023**
Environmental Data Collection
- August 2022 to March 2023**
Alternative Routes Evaluation
- May 2023**
Community Open House Series #1:
Selection of Preferred Route
- Summer 2023**
Environmental Assessment Process Completed
- 2023/2024**
Community Open House Series #2:
Pre-construction
- 2024**
Construction Begins
- 2025**
Project In-Service

Selecting the preferred route

As a key part of the Class EA, a number of route alignments were considered. Our team took into consideration technical, socioeconomic and environmental constraints and looked for opportunities to use road allowances and open areas in order to minimize impacts.

Based on this information our team identified three technically feasible alternative routes and evaluated them using the following categories:



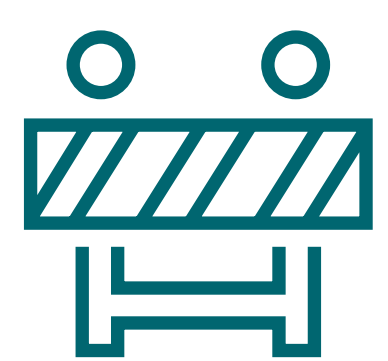
Property Requirements



Socio-Economic Effects ie. disruption to the community and to traffic



Natural Environment Effects ie. impacts to trees or wildlife areas



Technical Requirements ie. complexity of construction methods



Project Costs

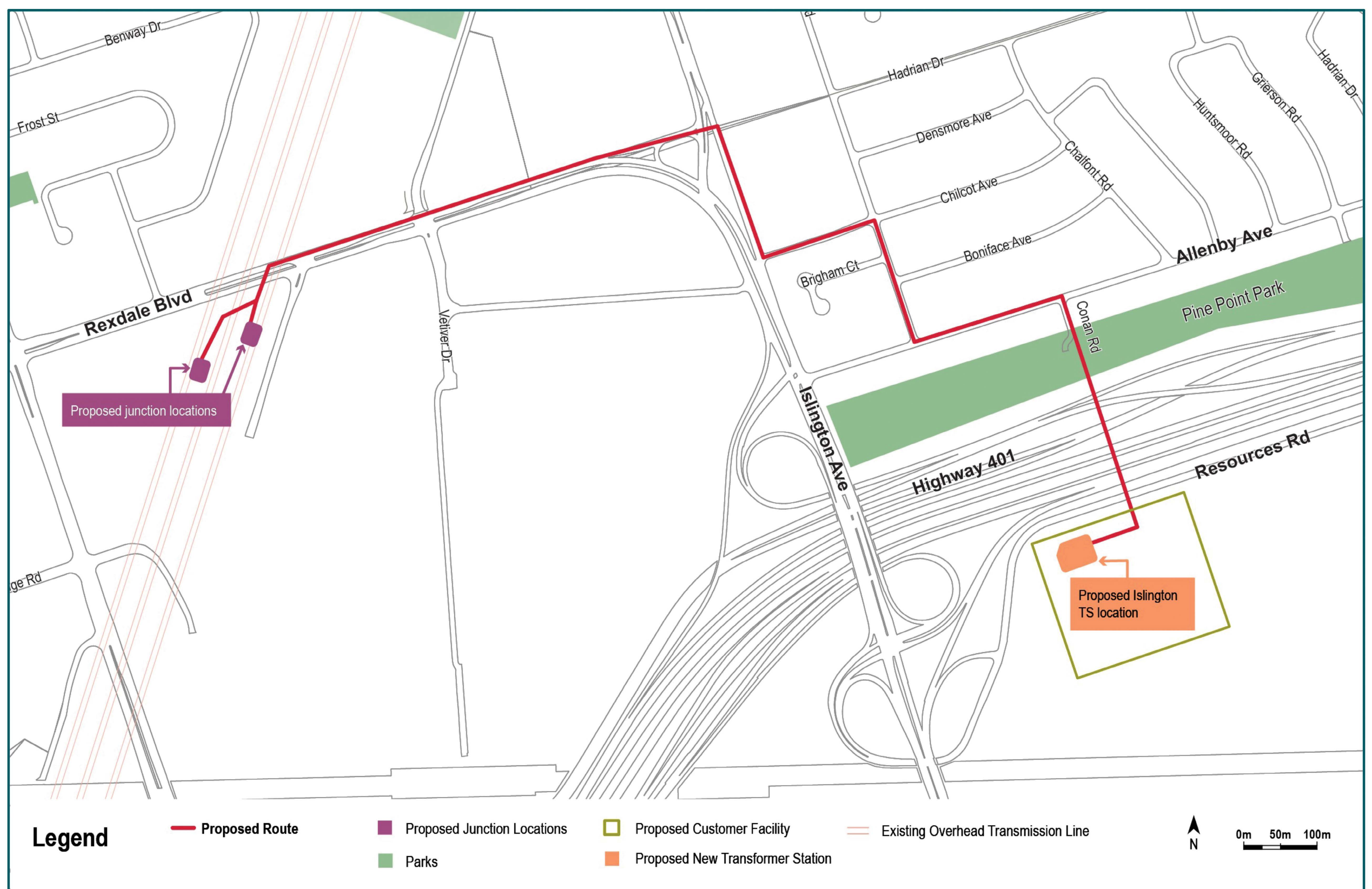
Technically feasible alternative routes and area constraints



Preferred route

While the alternative routes shared similar advantages from a natural environment perspective, the preferred route presented advantages from a property requirement, socio-economic, and technical perspective, including:

- Maintaining safe setbacks from Highway 401 and ramps during construction
- Minimizing amount of construction disruption on high traffic main roads
- Minimizing construction impact to businesses and residential homes along the route
- No easement requirements on private property

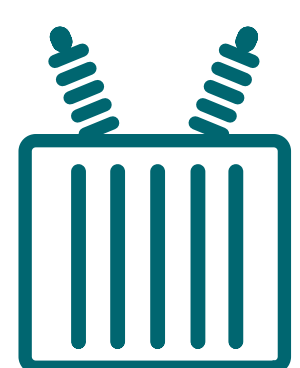


Construction activities

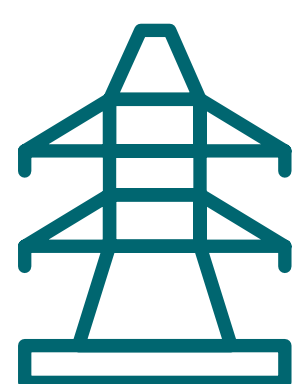
Proposed activities include:



Preparing areas for construction by establishing work areas and trimming and removing select vegetation



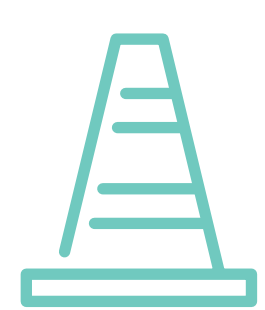
Building a new transformer station (TS) on the data facility's property, located at 48 Lowe's Place



Building two new junction stations (JCT) within the existing Hydro One corridor south of Rexdale Boulevard



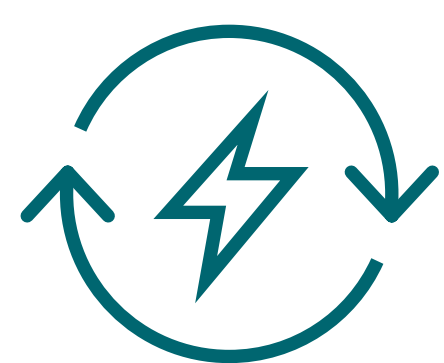
Installing two new underground 230 kV transmission cables between the new JCTs and TS using:



Open-cut construction methods along the existing roads and Pine Point Park



Micro-tunneling construction methods underneath Highway 401



Connecting the new cables to TS and JCTs

Underground construction activities

Open cut construction

Construction will involve the excavation of certain areas to install cables underground closer to the surface.

This approach will be used along road allowances and open areas, including Pine Point Park. In order to minimize disruptions, work will be completed in sections of roughly 200 meters.



Example of open cut construction

Micro-tunneling construction

Construction will involve using directional drilling to install cables underground with minimal disruption to the surface. This method requires the installation of tunnel shafts on either side of Highway 401.

This approach will be used where the route passes under Highway 401 from the edge of Pine Point Park to the customer facility at 48 Lowe's Place.



Example of shaft required for micro-tunneling construction

Station activities

Junction Station

Two new junction stations are required to help transition power from an overhead transmission line to underground cables within the existing Hydro One corridor south of Rexdale Boulevard.



Example of Junction Station

Transformer Station

A new transformer station is required to transfer power from one voltage level to another in order to safely provide power to the data facility at 48 Lowe's Place.



Example of Transformer Station

Minimizing potential effects

We understand that construction can be disruptive. Our team is still working through the construction details for this work and are committed to mitigating potential effects where possible.

Mitigation measures will include, but not limited to:



Maintaining entrances to businesses during construction, some temporary detours may be required.



Reducing impact on residential streets by completing work in sections of 200 meters. If driveway entrances need be temporarily restricted, they will be restored at night (using steel plates).



Minimizing vegetation removal, and maintaining protected trees, where possible.



Making best efforts to maintain access to Pine Point Park during construction.



Restoring construction areas, including in Pine Point Park once work is completed.



Community engagement

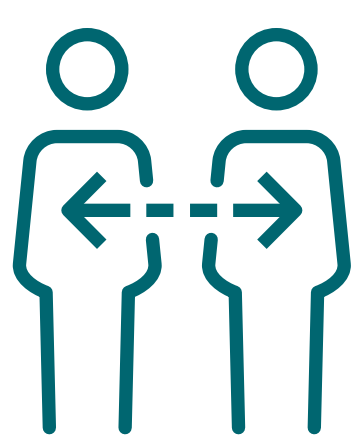
As our team is continuing to plan for this project, engagement with community and businesses is a priority. We are committed to:



Ensuring open and ongoing dialogue as we work to finalize the construction and mitigation plan



Providing ongoing opportunities for residents, interest groups, and businesses to engage with us and share questions and concerns



Having one on one conversations with property owners and businesses



A photograph of a woman and a young girl sitting together in a tent, smiling and playing with string lights. The scene is warmly lit, and a large stuffed animal is visible in the background.

Thank you for coming!

Share your feedback

Please fill out a comment form or send us your comments afterward.

Stay in touch

Join our project contact list.

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 **Community.Relations@HydroOne.com**

 **HydroOne.com/Islington**

