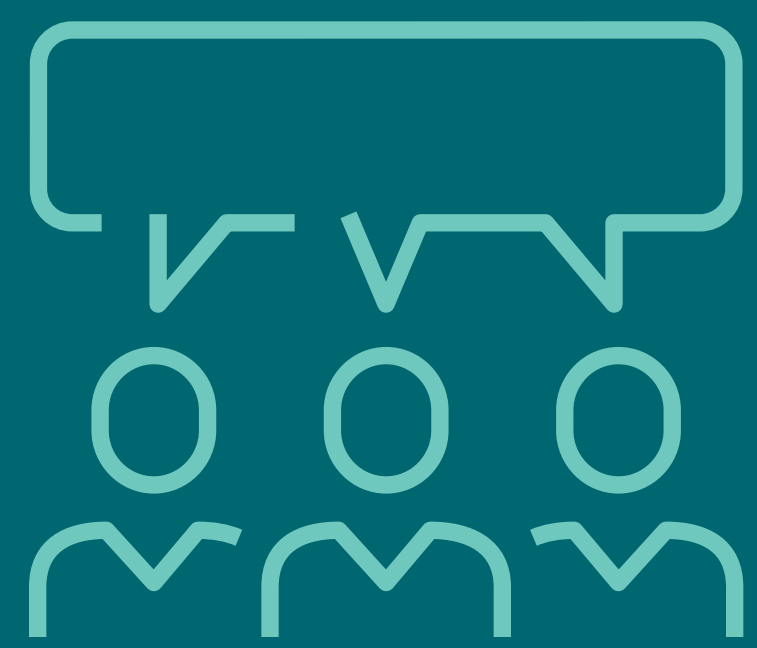


# Welcome

## Power Downtown Toronto Community Open House



### We're here to:

- Share project background and updates
- Discuss our construction plan at Terauley TS
- Listen to your feedback and answer any questions



### Who you can meet:

- Construction Ambassador
- Project Team

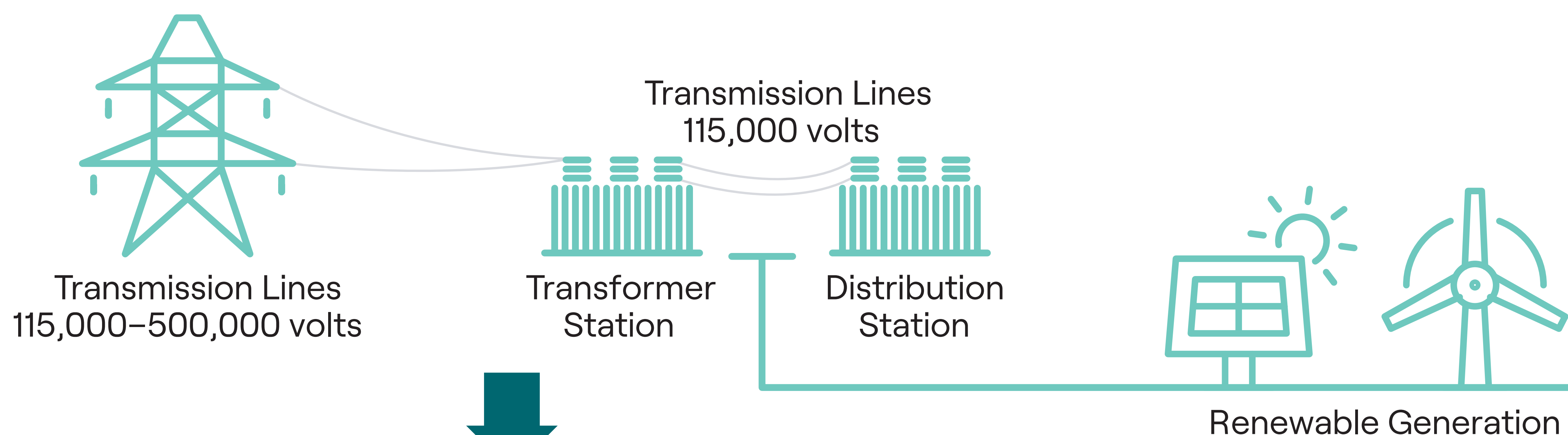
# We keep the lights on

We energize life for people and communities, helping Ontarians live a better and brighter future. We provide power to Toronto Hydro, to help keep the lights on for homes and business in your community.

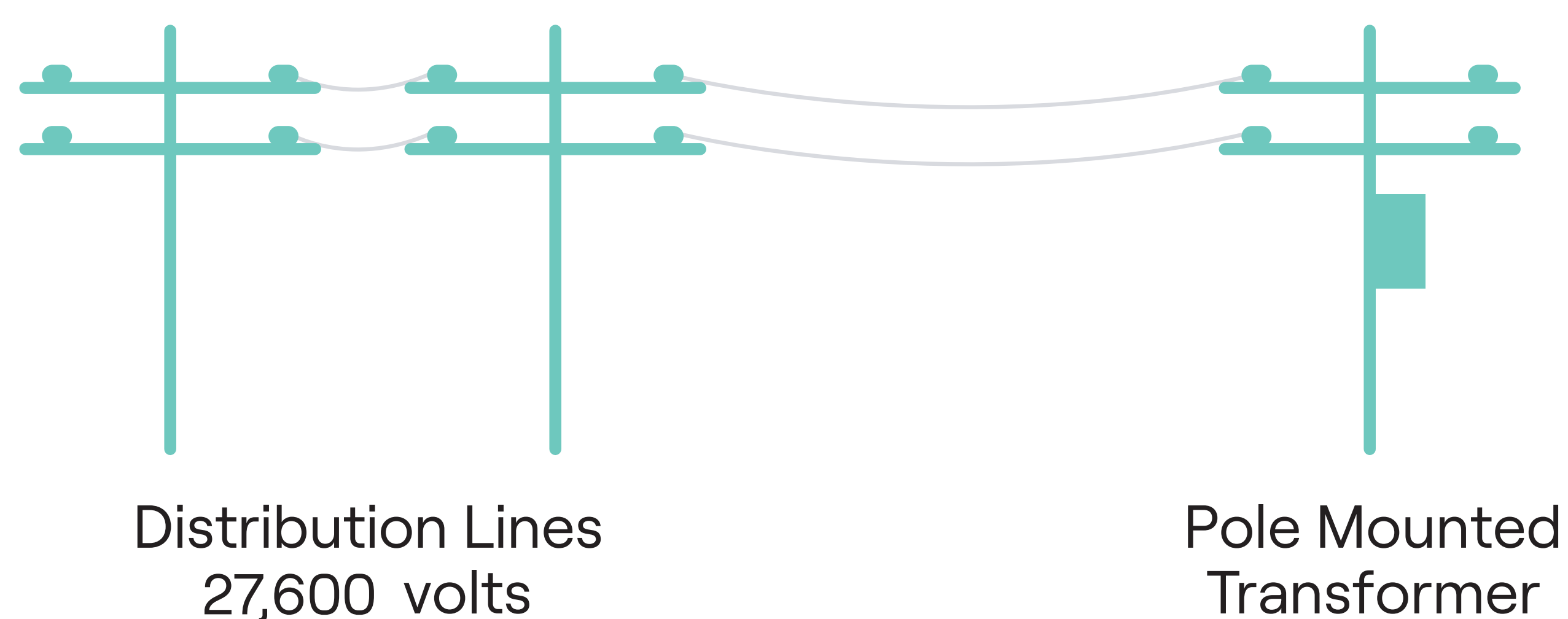
## Generation Companies



## Hydro One



## Toronto Hydro



# Local energy partners

Building infrastructure to meet the energy needs of today and tomorrow involves a number of partners, including:



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



Builds, owns, operates and maintains the distribution electricity facilities within the City of Toronto.

# Power Downtown Toronto

- Hydro One proudly energizes life for homes and businesses across Ontario.
- To continue delivering safe and reliable power to Toronto's downtown core, we're upgrading existing underground cables between our Esplanade Transmission Station (TS) and Terauley TS that have served the area since the 1950s and need replacing.
- As part of this project, we're building an underground tunnel between Esplanade and Terauley TS, which will house the new cables as well as access points (entry and exit shafts) at each station.



# Project area

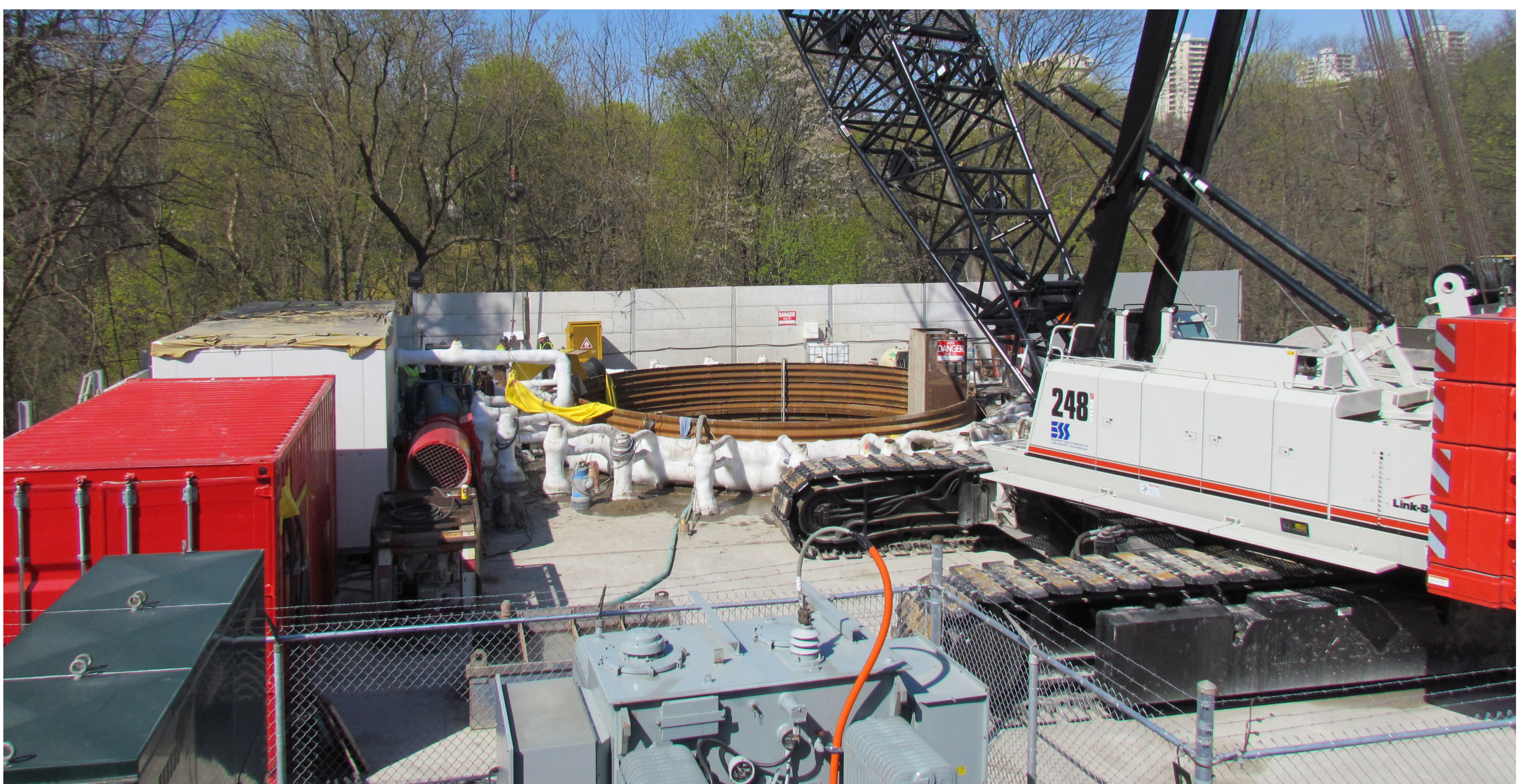


The tunnel route was selected based on input and feedback from the community, City staff and stakeholders through a Class Environmental Assessment completed in 2020.

# Construction activities

## Access points (shafts)

- Constructing the access points (both the entry and exit shafts) is the first step in building the underground tunnel. The access points will be used to bring equipment underground during construction and then serve as entry and exit shafts for crews in the future.
- Work to construct the access point (entry shaft) at Esplanade TS began earlier this year
- Work on the Terauley TS access point (exit shaft) will begin this month



Example of access point.

# Construction activities

## Tunnel

- A tunnel boring machine, similar to those used to build subways, will construct the underground tunnel
- The machine is mighty, yet slow moving at 10 m per day
- The tunnel will be approximately 25 m underground, and 3 m in diameter and 2.5 km long

## Underground cable installation

- Following tunnel completion, crews will install the new underground cable beginning at Esplanade TS



Example of tunnel boring machine.

Example of underground tunnel and cables.

# Activities at Terauley TS



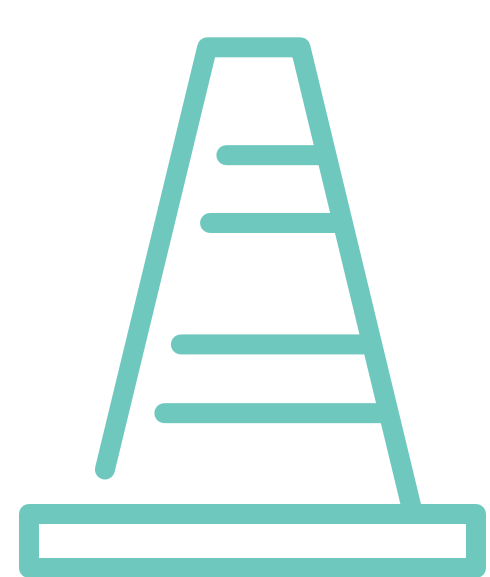
- Site preparation began in October and included fencing off a portion of the parking lot on Foster Place for equipment and personnel.



- Crews will then begin constructing the access point (exit shaft) inside the station.
- The shaft is built using a multi-step process, including removing soil and ground, drilling and then pouring concrete.



- Throughout construction, trucks will enter Elizabeth St. to Foster Place and exit on Bay Street from within our station as we remove soil and ground materials.

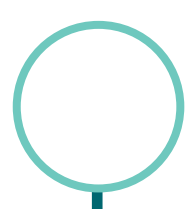


- Residents can expect an increase in dust, noise and traffic during work hours.

*We understand construction can be disruptive and will do everything we can to minimize our activity throughout the project.*

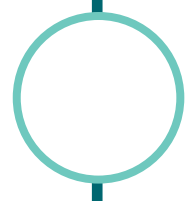


# Project milestones



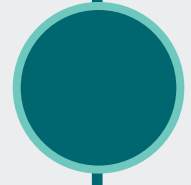
## May 2022

- Community Pop Up in David Crombie Park
- Access shaft construction at Esplanade TS



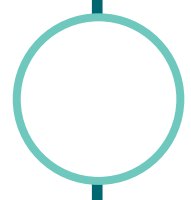
## October 2022

- Site preparation at Terauley TS



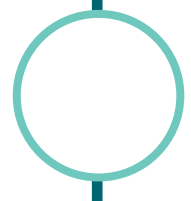
## November 2022

- Community Open House – Terauley TS
- Access shaft construction at Terauley TS
- Underground tunneling begins



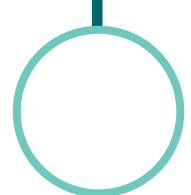
## 2025

- Underground tunnel complete



## 2025 to 2026

- Underground cable installation
- Entry and exit shafts complete



## 2026

- Project in-service

# Minimizing disruption

We understand we will have an increased presence in your neighbourhood throughout the project and will make best efforts to minimize disruption by:

Consideration	Mitigation
<b>Noise</b>	<ul style="list-style-type: none"> <li>• Construction activities will typically occur during the weekdays between 7 a.m. and 7 p.m. in compliance with the City of Toronto’s Noise Bylaw.</li> <li>• In some instances, work may be required on weekends and Hydro One will acquire the appropriate permits and approvals.</li> </ul>
<b>Dust</b>	<ul style="list-style-type: none"> <li>• Hydro One will implement best management practices to control and minimize dust. This can include watering areas during dry periods and constructing temporary barriers.</li> </ul>
<b>Traffic</b>	<ul style="list-style-type: none"> <li>• Where temporary lane restrictions are required, Hydro One will coordinate the timing of construction with the City of Toronto and other projects that may be scheduled in the area.</li> <li>• We plan to remove excavated tunnel material from Esplanade TS. All necessary permits will be in place prior to this work.</li> </ul>
<b>Vibration</b>	<ul style="list-style-type: none"> <li>• Surface vibration is not anticipated as the tunnel boring machine operates approximately 25 m below ground.</li> </ul>
<b>Soil and rock</b>	<ul style="list-style-type: none"> <li>• Excavated materials will be collected and tested as necessary prior to disposal at an approved site.</li> </ul>

# On-site Construction Ambassador



- We are pleased to introduce our on-the-ground Construction Ambassador, Jim Goodfellow, who is available to residents during construction.

- Our Construction Ambassador is available to:
- Complete neighborhood visits as required to meet with residents to discuss questions.
- Identify necessary accommodations and special requirements, and develop real-time solutions.



- To get in touch, please contact Jim at **647.446.5720**.

# Thank you for coming

## Stay in touch

Receive ongoing updates by joining our project contact list.



**416.345.6799**



**Community.Relations@HydroOne.com**



**[www.HydroOne.com/PowerDowntownToronto](http://www.HydroOne.com/PowerDowntownToronto)**

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