

Welcome

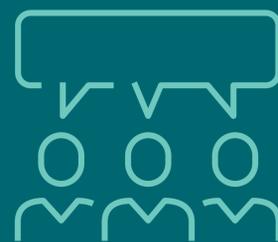
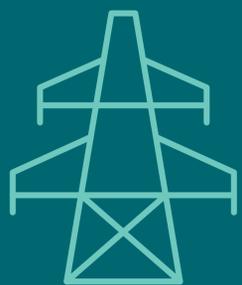
Merivale Transformer Station Modernization

Pre-construction Community Open House #2

March 2023

Why we are here:

- Present updates to the construction plan
- Share key milestones and next steps
- Listen to your feedback and answer questions



Energy partners

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



The Independent Electricity System Operator (IESO) oversees planning to ensure electricity needs are met both now and in the future.



Builds, owns, operates and maintains the electricity facilities across the province of Ontario.



Builds, owns, operates and maintains the distribution of electricity facilities within the City of Ottawa and the Village of Casselman in Ontario.



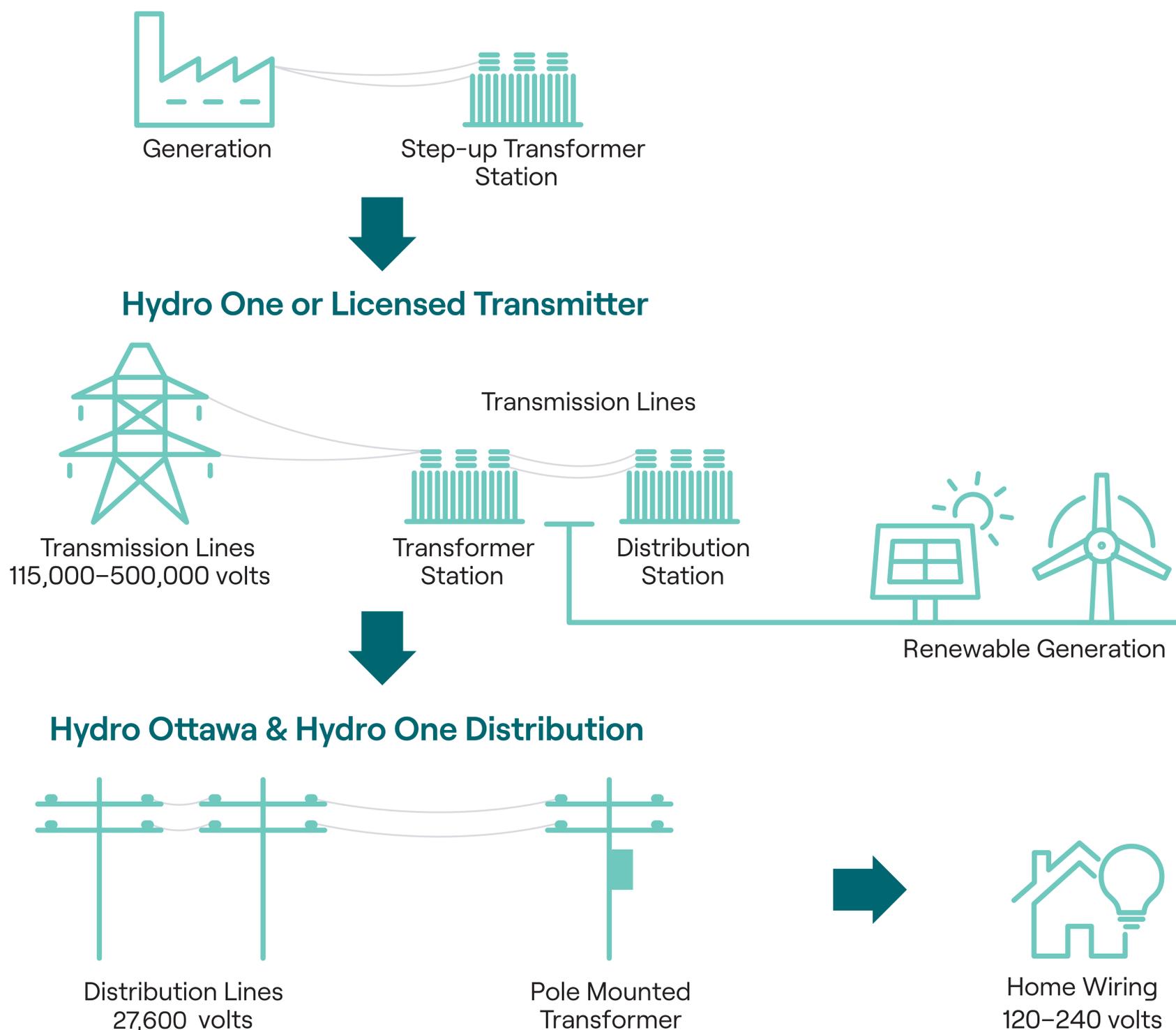
Ministry of the Environment,
Conservation and Parks

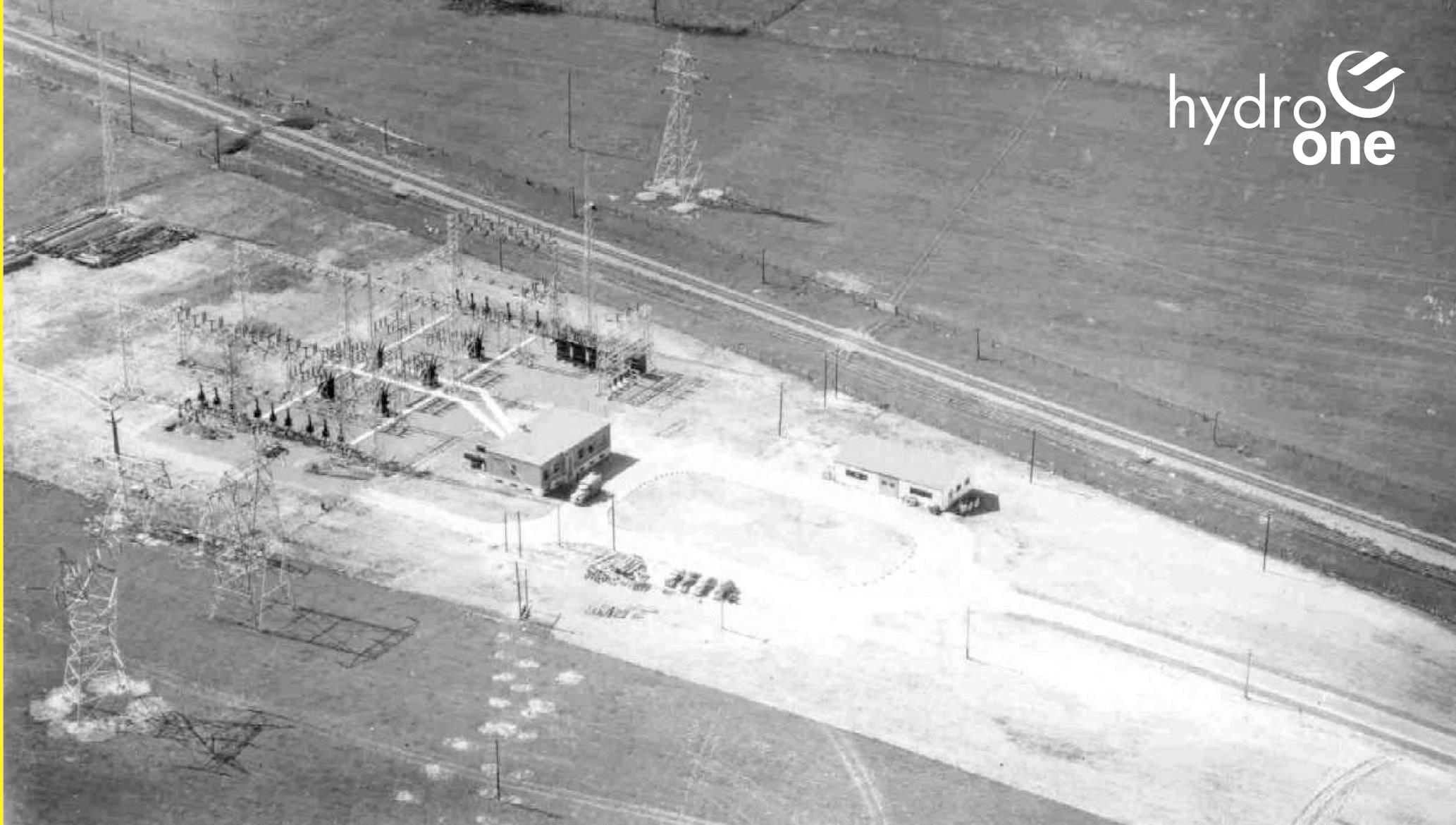
The Ministry of Environment, Conservation and Parks is the legislative authority for Environmental Assessments in Ontario.



Overview of how electricity is delivered to your community

Ontario Power Generation and Private Generation Companies





Importance of Merivale TS

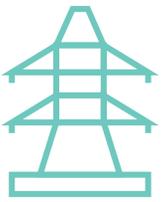
- Merivale TS was first energized in the mid-1970s. Over the next decade construction was complete for the station to be fully in service by mid 1980s
- Today the station is one of two critical stations that together, supply approximately 60% of power for the City of Ottawa
- Upgrades to the station will replace and modernize aging infrastructure, increase the capacity of the station and improve the flow of power to ensure the City of Ottawa's future electricity needs are met
- Upgrades at Merivale TS will support additional power to flow to 20+ Hydro One and Hydro Ottawa connected stations

Merivale TS General Service Area

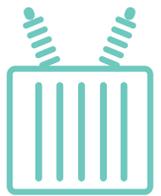


hydro one
 Produced By: Hydro One Networks Inc., GIS Services
 Date: Jun 20, 2022 / Revised: Feb 8, 2023
 Map22-052_MerivaleTS_Refurbishment_ServiceAreaMap_v2_BrandColour
 (C) Copyright Hydro One Networks Inc. All rights reserved. No part of this drawing may be redistributed or reproduced in any form by any photographic, electronic, mechanical or any other means, or used in any information storage or retrieval system. Neither Hydro One Networks Inc. nor any of its affiliates assumes liability for any errors or omissions.
 Produced by Hydro One under Licence with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2023.
 NOT TO BE REPRODUCED OR REDISTRIBUTED CONFIDENTIAL TO HYDRO ONE NETWORKS INC.

What the proposed work involves



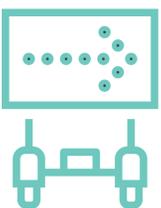
- A station expansion on Hydro One property to accommodate new critical equipment



- Removal of 1 existing transformer



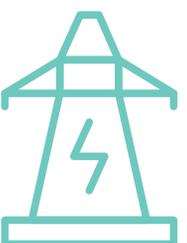
- Installation of 2 new transformers and associated equipment



- Re-align transmission lines to connect to the new equipment



- New structures added inside and outside the new station boundaries



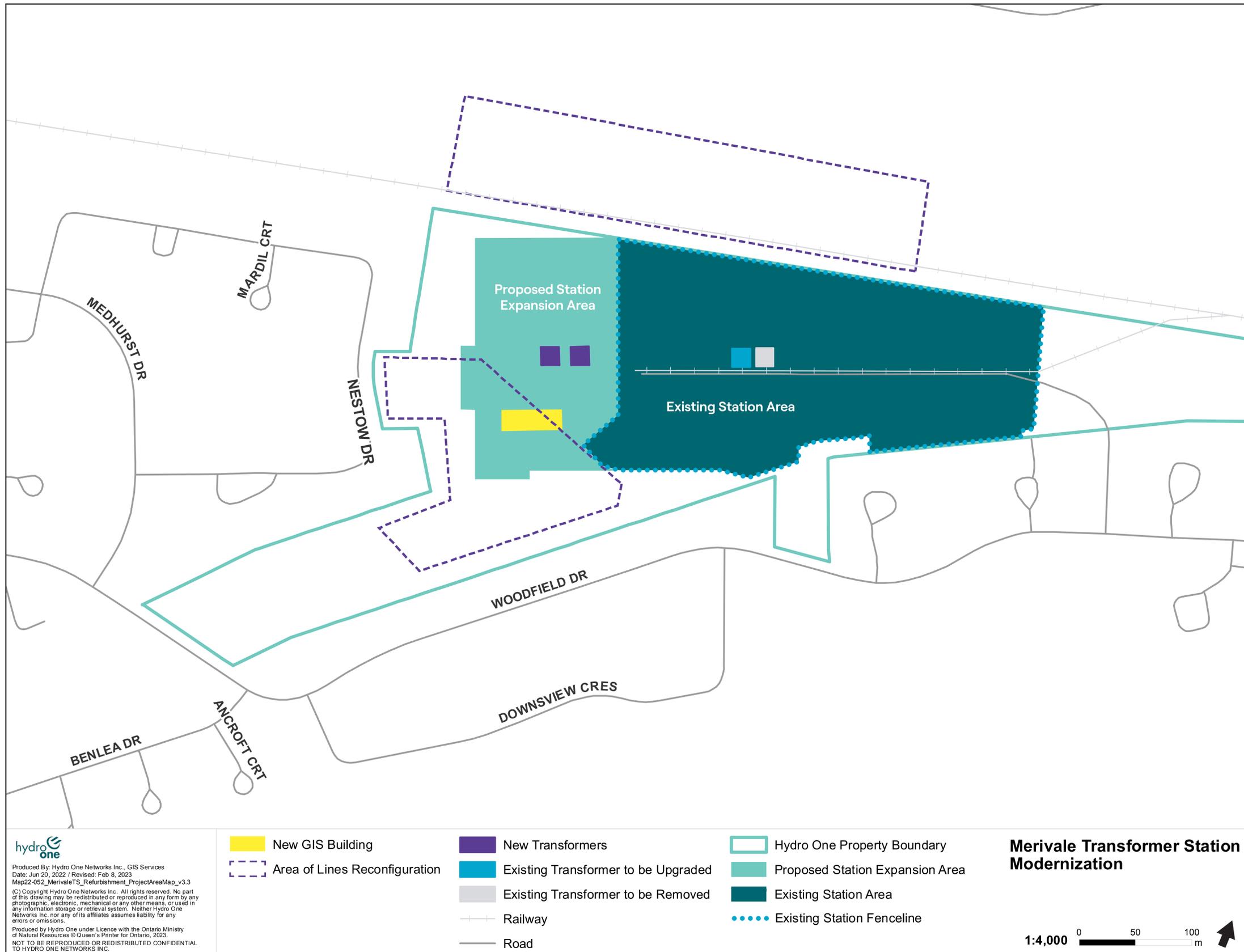
- A new GIS and Protection and Control building, and removal of the existing building

- A new emergency access road on the west side of the station

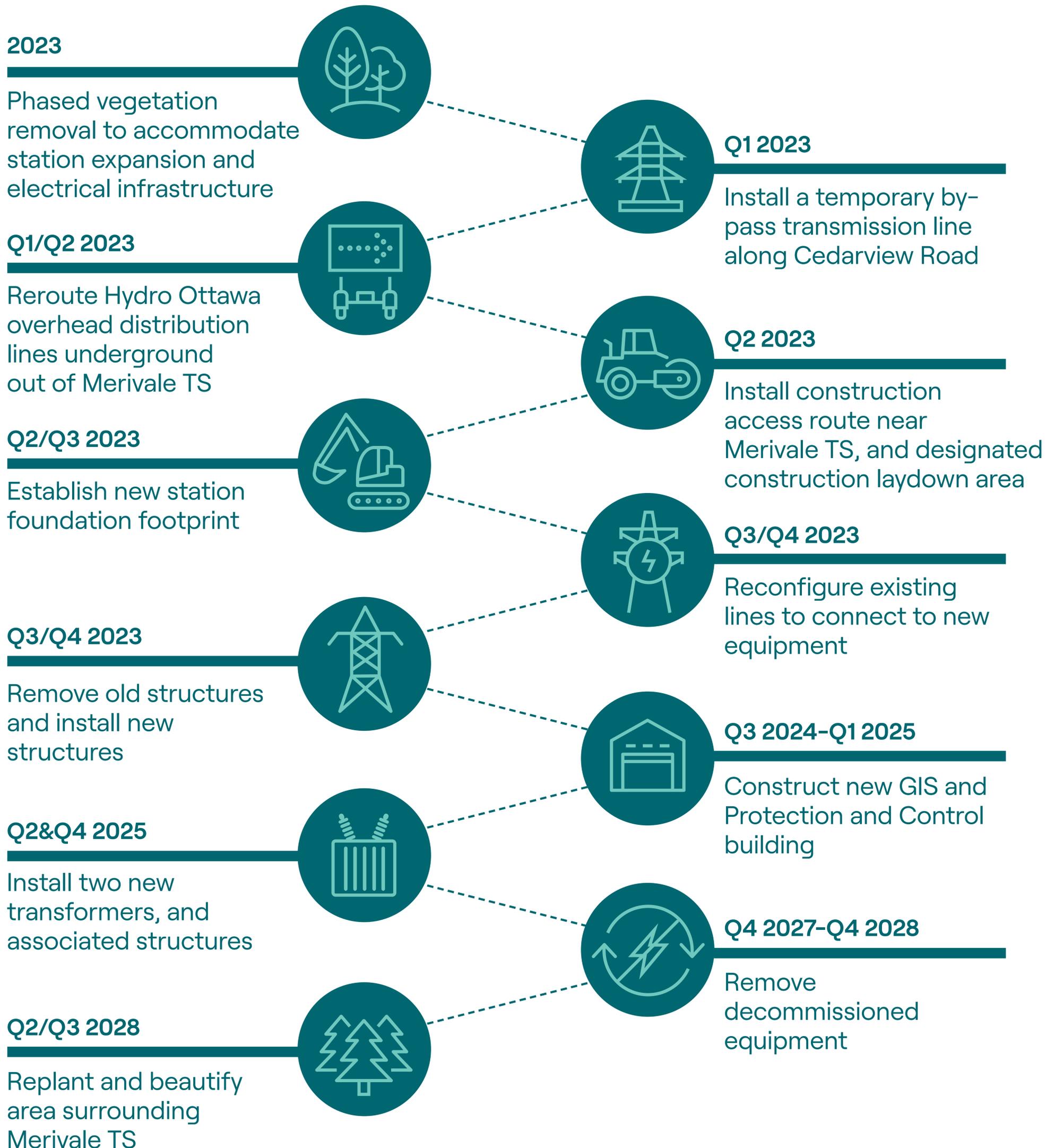
- Select vegetation removal to accommodate the station expansion and critical equipment

- A 1.7km temporary by-pass line along Cedarview Road to ensure continued power supply to customers during construction

Map of project area



Construction Process



**Anticipated construction timeline.*

Types of structures you will see



Lattice Steel Tower



H-Frame Wood Structure



BP Steel Structures



Dead End Wood Structure



Steel Pole

Vegetation Removal & Restoration



Need for removal

- Accommodate new station footprint
- Remove fallen and diseased trees
- Establish safety clearance with new infrastructure



Considerations

- Inventory of tree removals
- Land and soil survey
- Environment and wildlife assessment



Vegetation Preservation

- We are committed to retaining and replacing vegetation to ensure a buffer zone for adjacent properties
- We will work with community leaders and members to ensure community interests are reflected in the post-construction beautification plan

Community Feedback and Mitigations

Your input has helped shape the planning of this project.

		Mitigations
Vegetation		<ul style="list-style-type: none"> • Conduct selective vegetation removal around the station while retaining a buffer zone of trees for adjacent property owners • Restore and replant compatible vegetation post construction near Merivale TS
Noise		<ul style="list-style-type: none"> • Follow municipal noise by-law during construction and obtain permits for any exceptions
Dust		<ul style="list-style-type: none"> • Implement and manage dust by watering work areas during dry periods
Traffic		<ul style="list-style-type: none"> • Traffic control measures will be in place to ensure public safety during active construction
Lighting		<ul style="list-style-type: none"> • Station lighting will only be used when needed during construction
Official pathway		<ul style="list-style-type: none"> • While the official pathway will be temporarily closed for construction, a detour will be available
Construction access route		<ul style="list-style-type: none"> • Avoid main station entrance and establish a separate construction access route using existing right-of-ways
New Emergency access route		<ul style="list-style-type: none"> • Consider the possibility of converting the construction access route to a permanent emergency access route

We value your input and want to continue hearing from you!

Community Investments

We want to see the communities we serve, thrive.

As a trusted community partner, we are committed to mitigation and restoration efforts for compatible vegetation near Merivale TS.

We look forward to working with local elected officials to identify community investments opportunities that will benefit your community.



Anticipated project timeline

September 2022

Notice of Commencement & newspaper advertisements

November 2022

Community Open House #1, Introduction of project

February 2023

Class EA Screening Report submitted to the Ministry of Environment, Conservation, and Parks

March 2023

Community Open House #2, Pre-construction updates

Spring 2023

Proposed construction start at Merivale TS

2026

New equipment in service

2028

Construction completed



Thank you for joining us!

Please provide your feedback and join our project contact list by contacting Hydro One Community Relations:



1.877.345.679



Community.Relations@HydroOne.com



HydroOne.com/MerivaleTS

