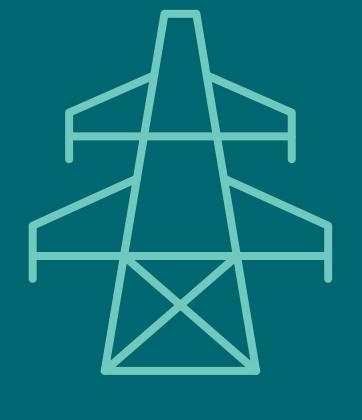


## Welcome

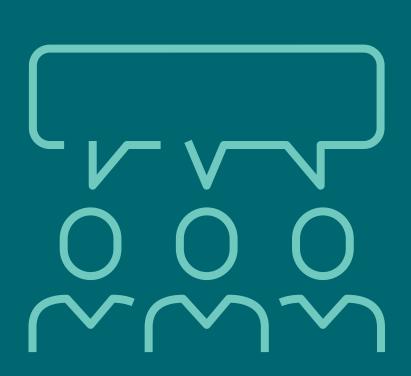
# Longwood to Lakeshore project

Community open house #3











# Purpose of today's community open house

- Explain the need for the project
- Outline the Environmental Assessment (EA) process
- Update on recent studies
- Share highlights of what we heard through engagement
- Explain recent refinements to the routes
- Review sample evaluation criteria
- Share the anticipated project timeline
- Answer questions and gather your feedback

## hydro 6 one

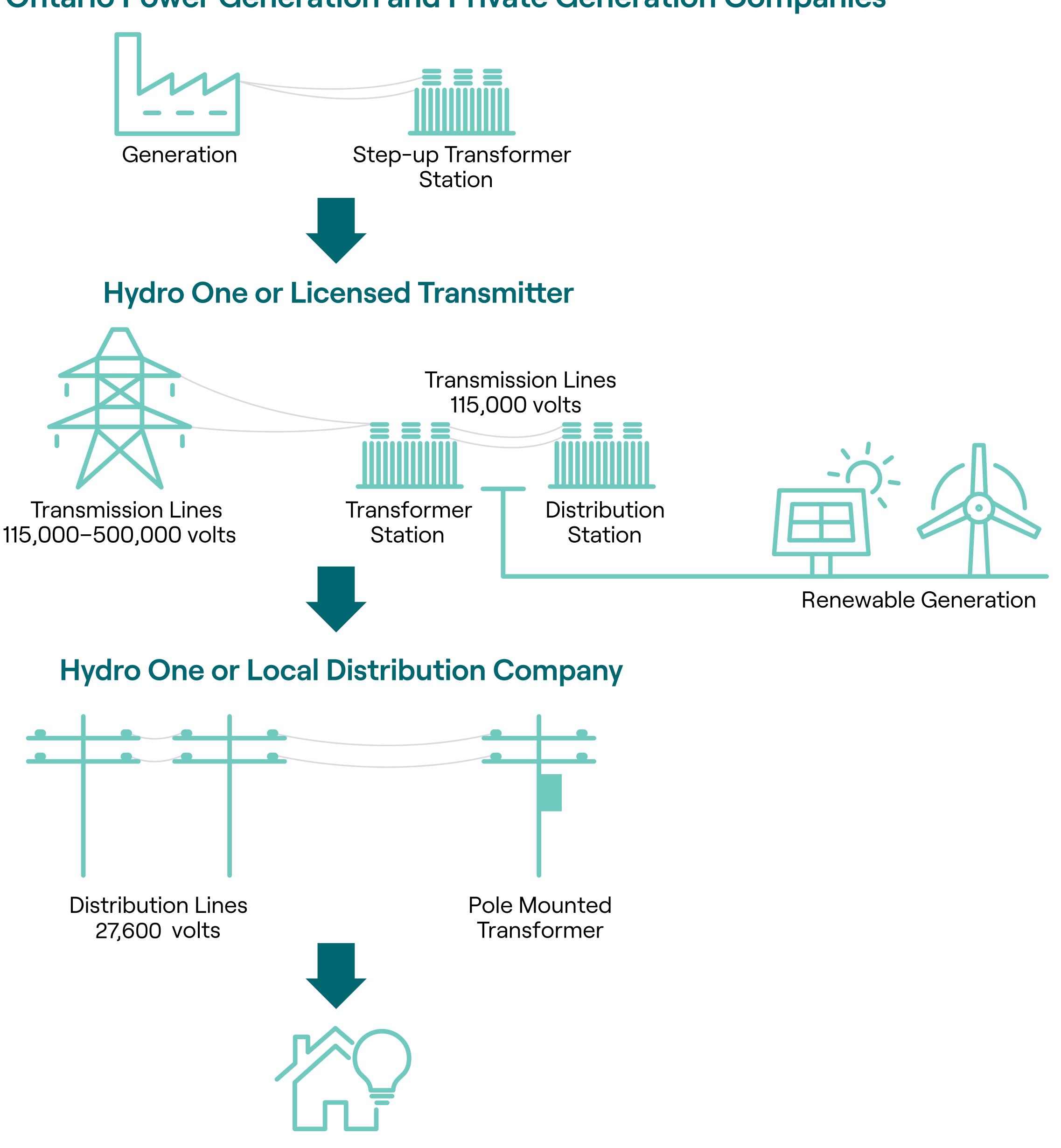
## Hydro One's role in the system

Home Wiring

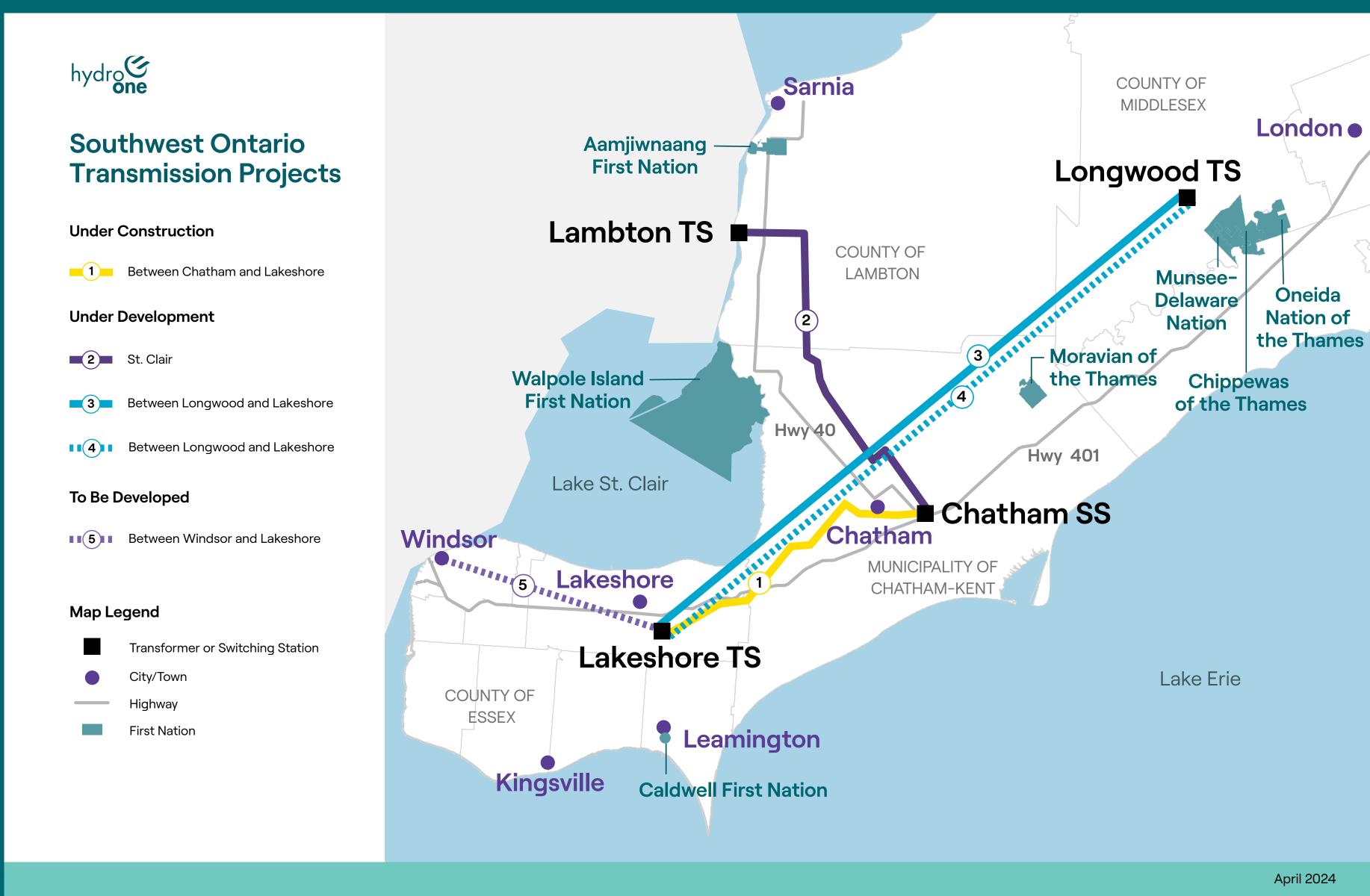
120-240 volts

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

#### Ontario Power Generation and Private Generation Companies







For illustrative purposes only and not reflective of preferred routes.

## Electricity needs in southwest Ontario

In southwest Ontario, electricity demand is anticipated to quadruple by 2035 according to the Independent Electricity System Operator (IESO). To meet this demand, a network of electricity infrastructure projects have been identified. This includes three projects already underway:

- Chatham to Lakeshore Line: Under construction, expected to be in service by the end of 2024
- St. Clair Transmission Line: Environmental Study Report submitted
- Longwood to Lakeshore Project: Environmental Assessment underway

This network of projects will provide many regional benefits including improved resiliency and reliability, economic growth and investments, and support for local food supply and security.



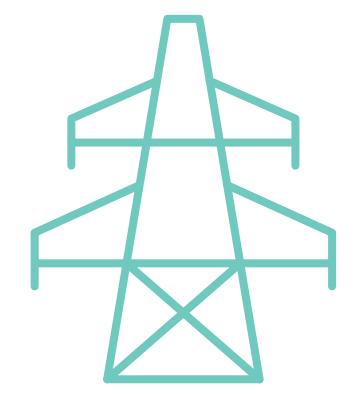
## A Class Environmental Assessment



### Steps of a Class EA

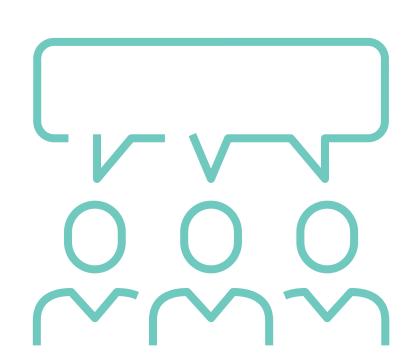
- Engage with Indigenous communities, the public, municipalities, interest groups and government agencies
- Collect environmental information
- Identify and evaluate route alternatives
- Select a preferred route
- Identify potential environmental effects and mitigation measures
- Prepare a draft Environmental Study Report (ESR) that will be made available for a 30-day public review and comment period
- Submit the Final ESR

For more information, see HydroOne.com/ClassEA











Examples of field studies and data collected as input to the evaluation of the alternative routes include:



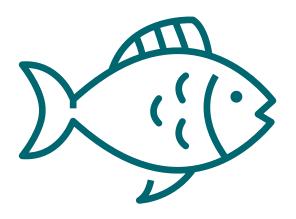
## Wildlife and wildlife habitat

Fall and spring diurnal migration surveys, breeding bird survey, amphibian count call survey, and incidental wildlife observations.



## Species at risk (SAR)

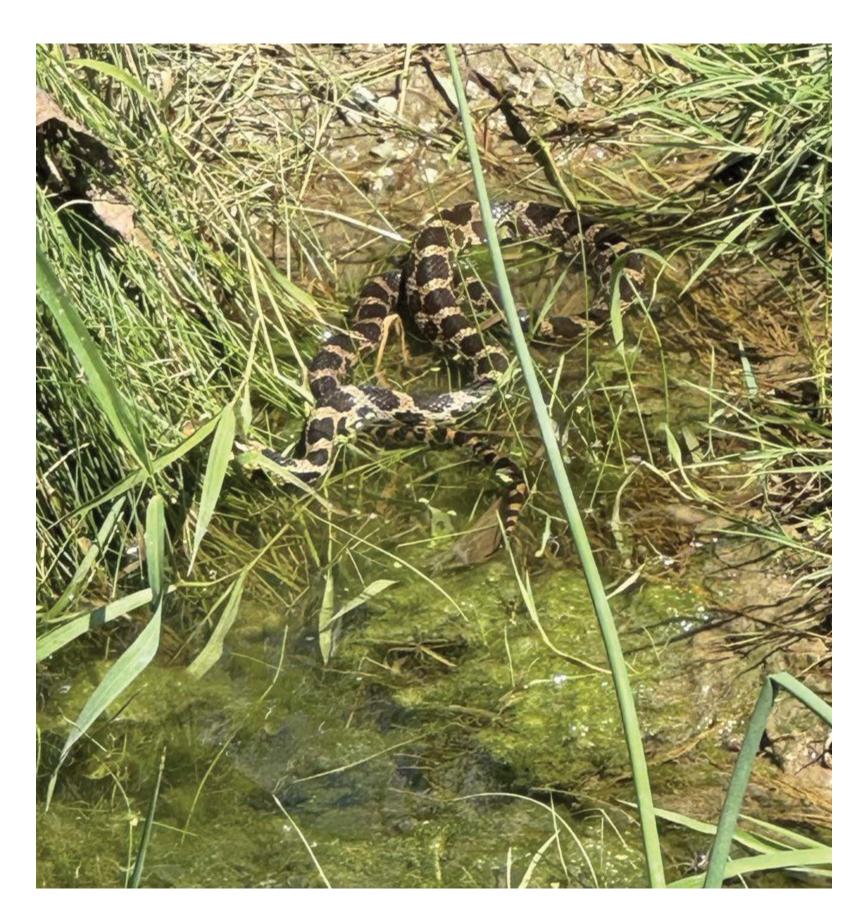
Botanical SAR, aquatic SAR, SAR birds, SAR snakes, Butternut surveys and health assessments, SAR bats.



## Aquatic assessments

Characterize fish and fish habitat potentially affected by the project. Completed from May to July including eDNA sampling program.









## What we heard through engagement



## Routes we are studying



### Longwood to Lakeshore project

#### Map Legend

Transformer Station (TS)

Route 2 (A/B Core Alignment)

Route 2A
Route 2B

Route 3 (A/B/C Core Alignment)

Route 3A

Route 3B

Route 3C

\_\_\_\_ All Routes

(2A/2B/3A/3B/3C)

Local Study Area
(500 m buffer on either side of the route alternatives)

Existing Transmission Line

----- Highway

Municipal Boundary

Waterbody

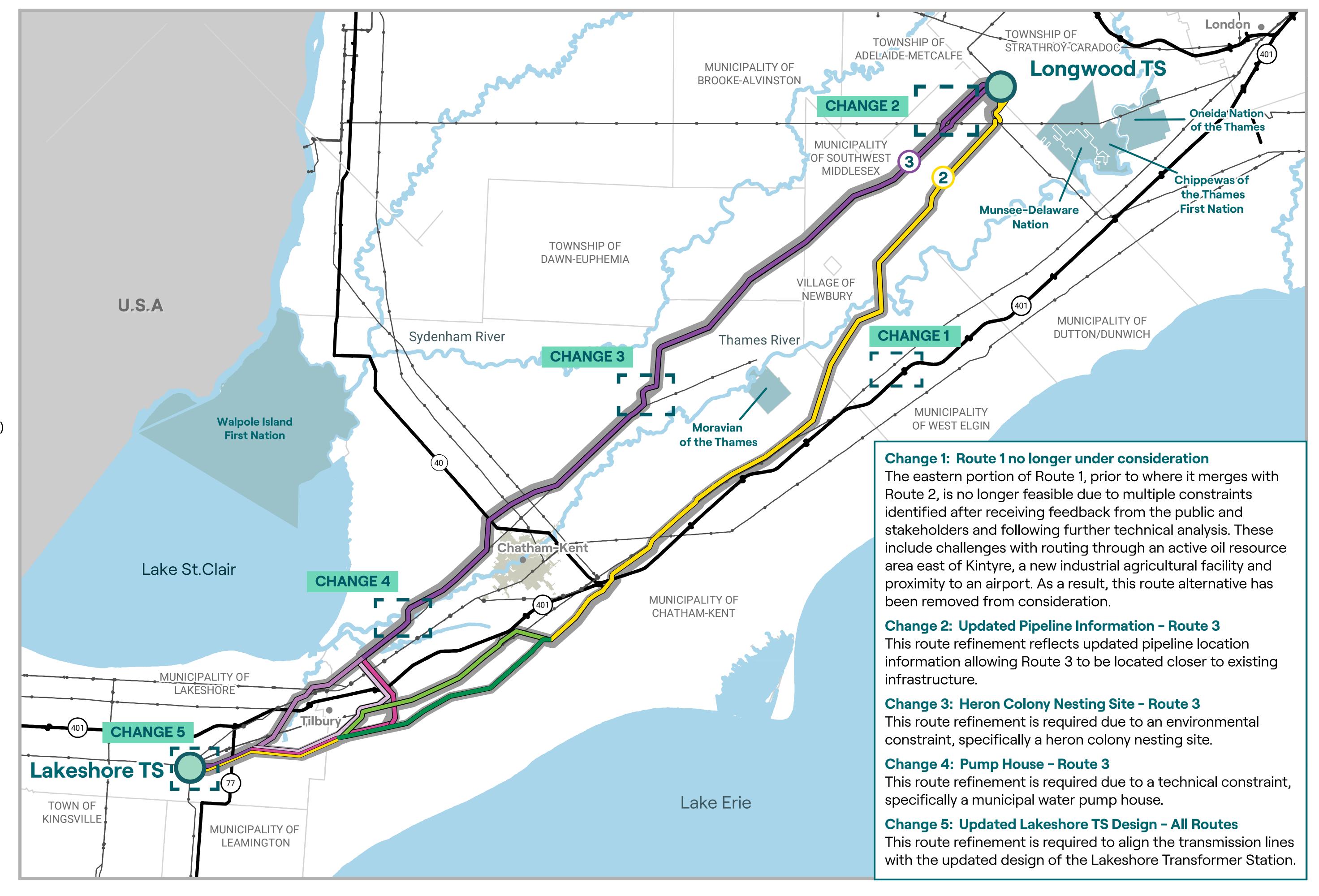
First Nation

Built Up Area

Note: With the exception of a section of Route 3 near Longwood TS, each route represents two transmission lines with parallel alignments. Each line has an assumed 60m right of way, pending detailed engineering.

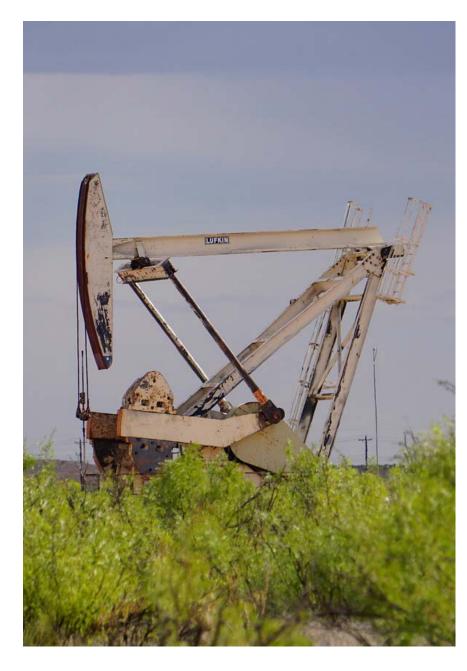






Note: Please visit our online interactive map for a more detailed view and to provide your feedback: HydroOne.com/Longwood-to-Lakeshore.







Route 1 has been removed from consideration due to several constraints in its eastern section prior to where it joins Route 2, which make it technically unfeasible.





Refinements were made where we confirmed we are able to reuse, rather than just parallel, a right-of-way that is idle (or will be at time of construction) and minimize the additional new land required.



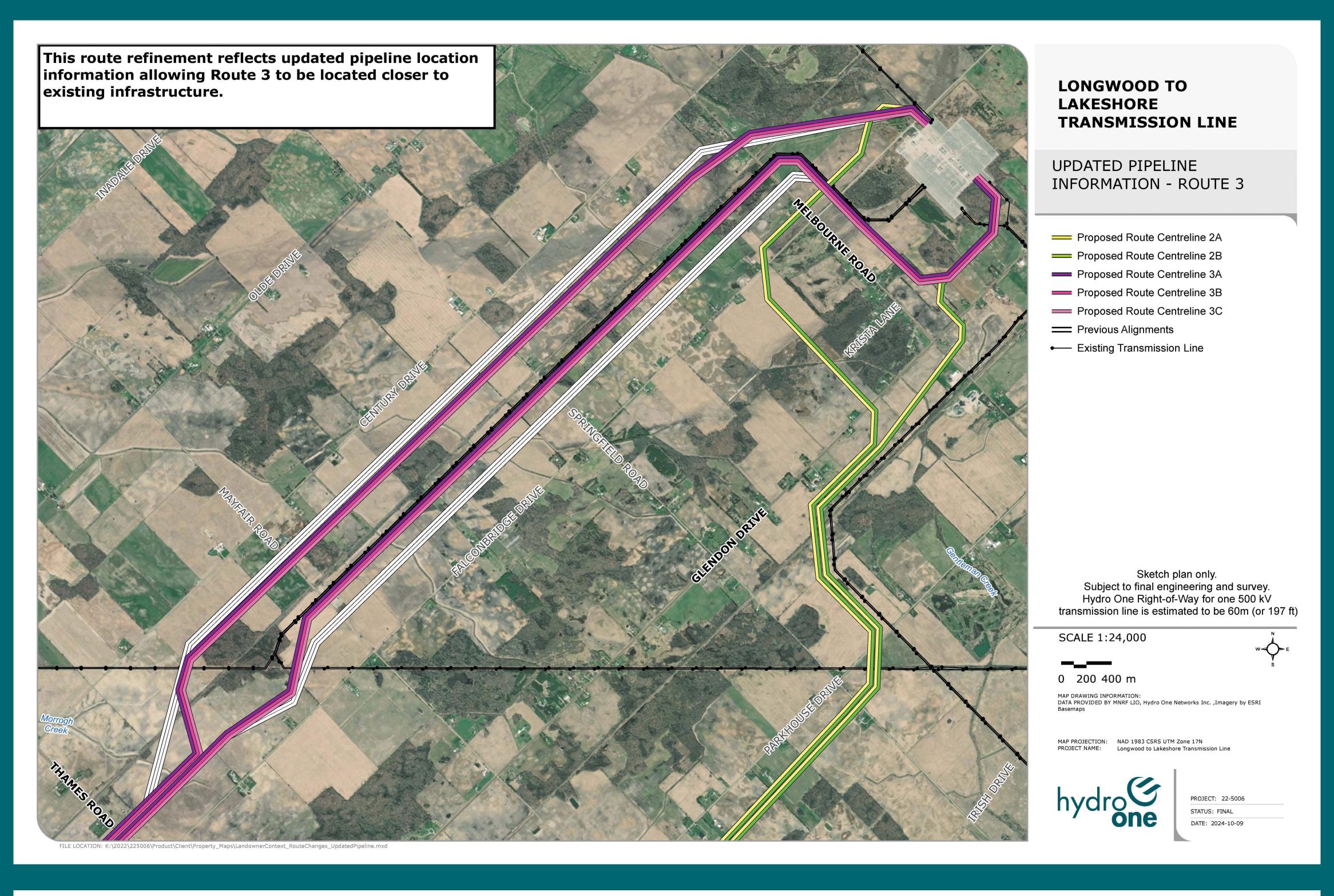


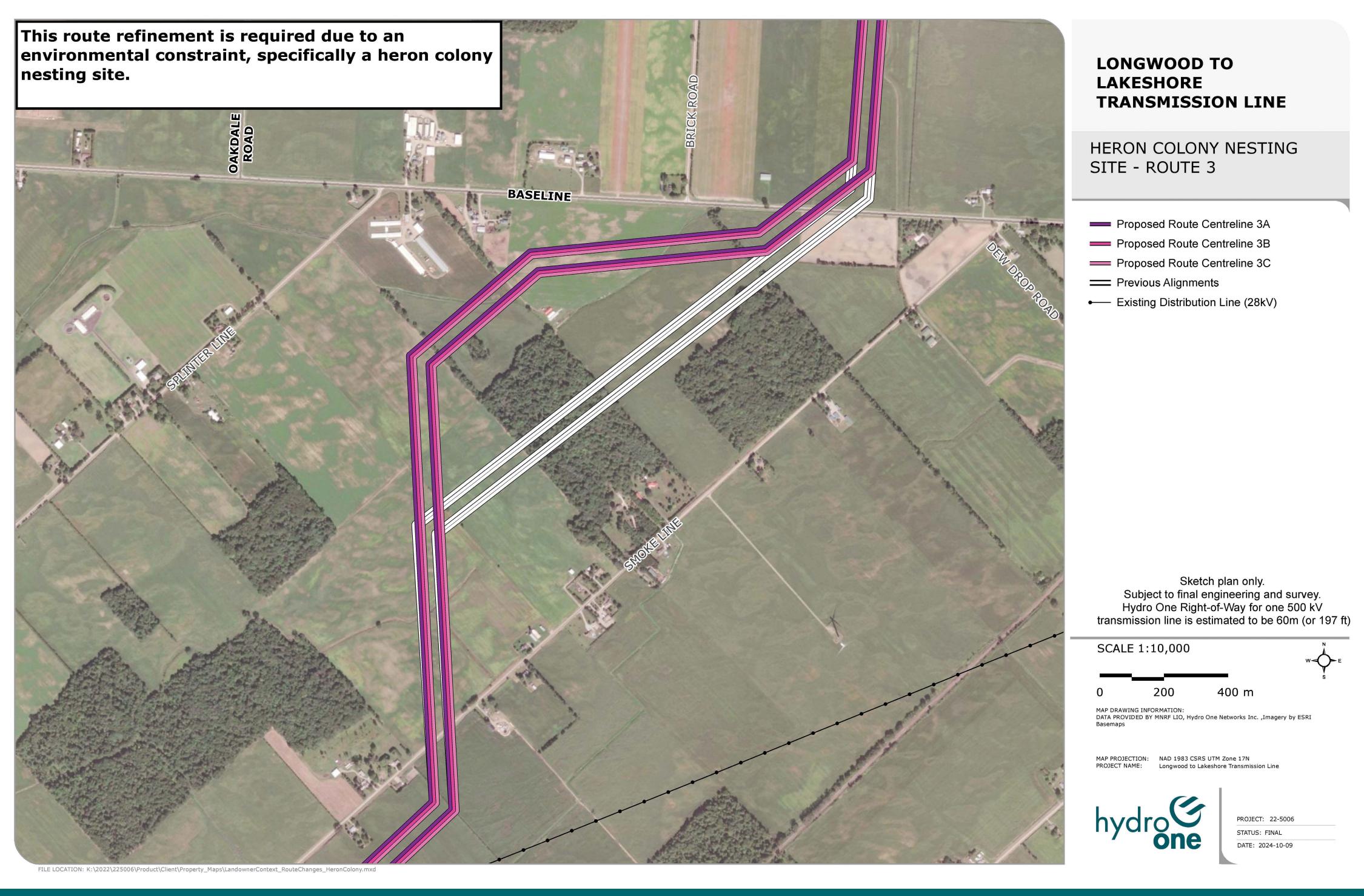
Refinements were made to address requirements for minimum separation distances between towers and drainage infrastructure and watercourses.

Although we are still in preliminary design and do not have final tower locations, we do know the location of angle structures and can identify locations where there is a long stretch of line paralleling a watercourse/drain where a tower will be required.



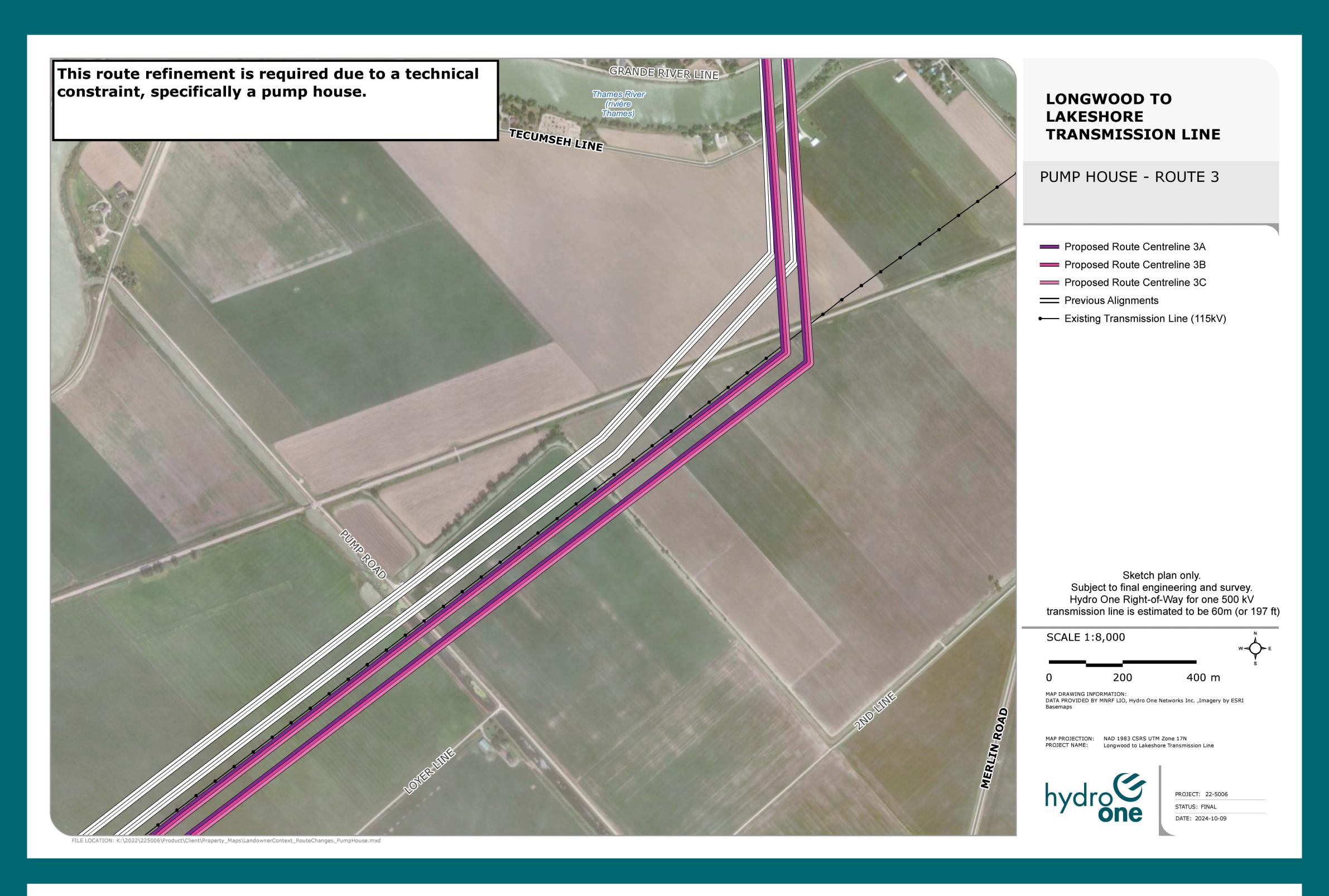
### Route refinements

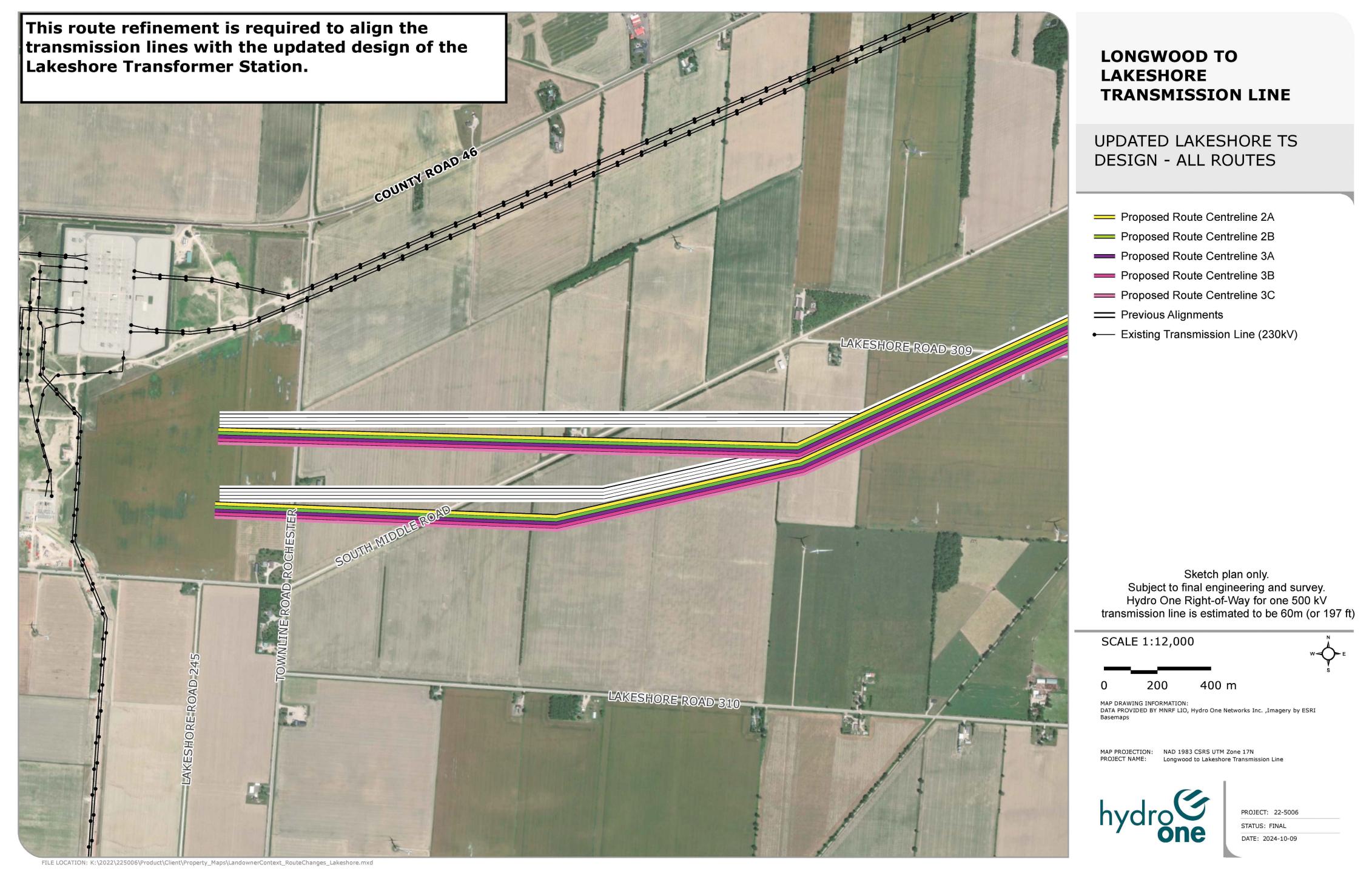






### Route refinements







## Example evaluation criteria

The preferred route will be selected based on an evaluation process that balances project specific criteria in four categories.

### Category



### Examples



Socio-Economic Environment

- Agricultural resources and operations
- Residential properties
- Business, recreational and other land uses
- Impacts on areas of cultural heritage value



Natural Environment

- Wildlife habitat
- Species at Risk
- Wetlands, vegetation, natural hazards and floodplain areas



Technical and Cost

- Line length and angles
- Crossing of existing infrastructure
- Real estate and land rights considerations
- Construction complexity



Indigenous Culture, Values and Land use

- Areas that support hunting, trapping and/or harvesting grounds
- Areas that support fish bearing waters with identified or inferred habitat of game species
- Effects to rare, undisturbed native habitats or ecosystems



## Working with property owners

- Hydro One will work closely with property owners throughout the project.
- Thank you to the property owners who allowed us access for non-intrusive field studies on properties with environmental areas of interest.
- In early 2025, upon selection of the preferred route, our dedicated real estate representatives will work one-on-one with property owners along the route to discuss next steps.
- Land acquisition principles tailored to the project will be applied in a fair, open, consistent and transparent manner to guide these discussions.



Ongoing

Engagement

#### 2023

Initial open houses, data collection and development of route alternatives

#### March - April 2024

Notice of Commencement of Class EA, release of route alternatives and open houses

#### 2024

Consultation and data collection in support of EA

### Early- to mid-2025

Selection of preferred route

#### Mid-2025

Release the draft Environmental Study Report (ESR) for review and comment

#### **Late 2025**

Submit Final ESR and complete the Class EA process

#### 2025 - 2026

Completion of detailed design and other permits and approvals from the Ontario Energy Board (Section 92)

#### 2027

Start of construction on Line 1

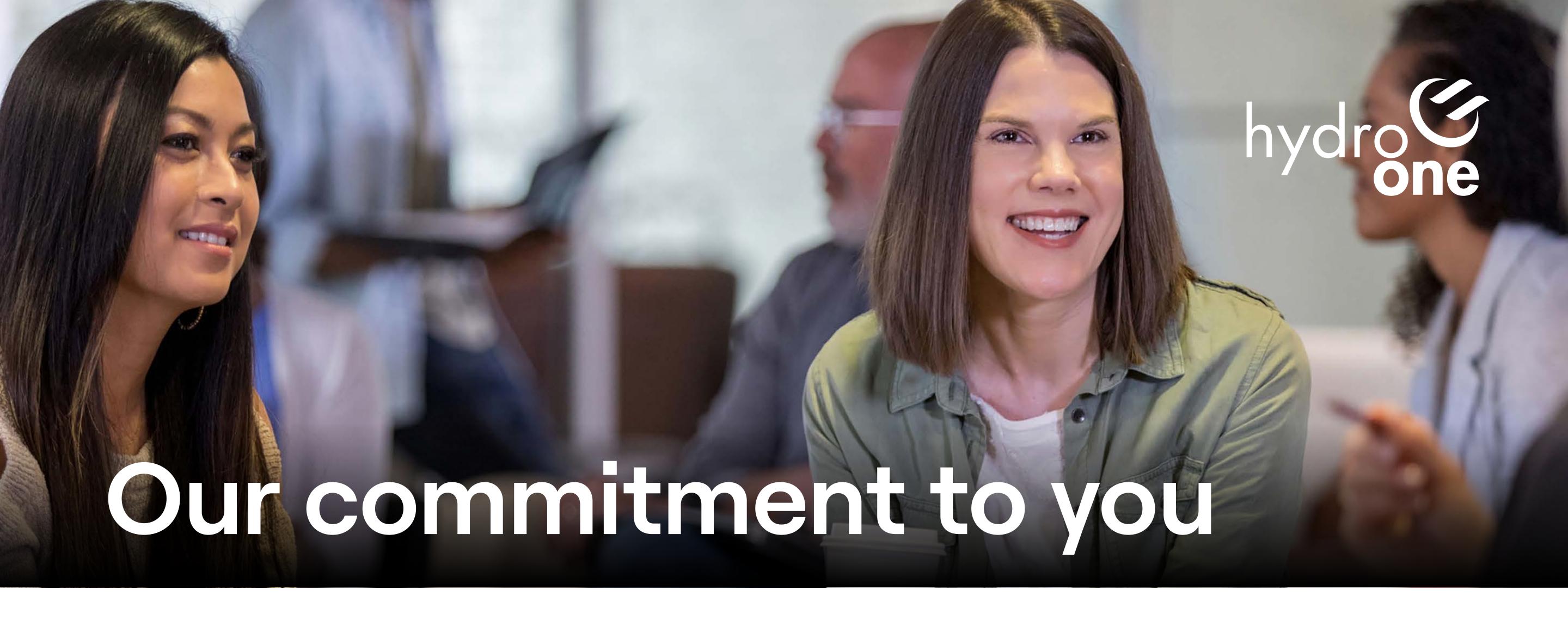
#### 2030

Line 1 in-service

Line 2 construction and in-service date will be determined upon further planning by the IESO

<sup>\*</sup>Timelines are subject to change

<sup>\*\*</sup>Leave to Construct under Section 92 of the Ontario Energy Board Act is a regulatory process to obtain approval from the Ontario Energy Board to build and operate a transmission line.



- Hydro One is proud to have been trusted with energizing communities across the region for more than 100 years.
- Thank you to everyone who has provided comments and welcomed our team to your property. We rely on early, meaningful and open engagement to help shape project planning and are committed to listening as we expand our electrical infrastructure.
- We will continue to keep communities, residents and members of the public involved in our planning and project activities.
   We encourage you to sign up for our project contact list at HydroOne.com/Longwood-to-Lakeshore





## Working with Indigenous communities

We consult in a meaningful way that is **guided by Indigenous communities**.

We look to include Indigenous perspectives in the Environmental Assessment through:

- Natural Environment Surveys
- Archaeological Surveys
- Land Use Studies
- Open Houses
- Recurring meetings with Hydro One project teams
- Field Program participation



## Thank you

Your input is important to us. Please share your comments with our team so that we can incorporate them as part of the ongoing environmental assessment.

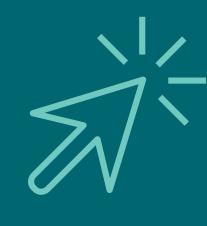


1.877.345.6799



Community.Relations@HydroOne.com

For the most up-to-date project information, visit our project website:



HydroOne.com/Longwood-to-Lakeshore

