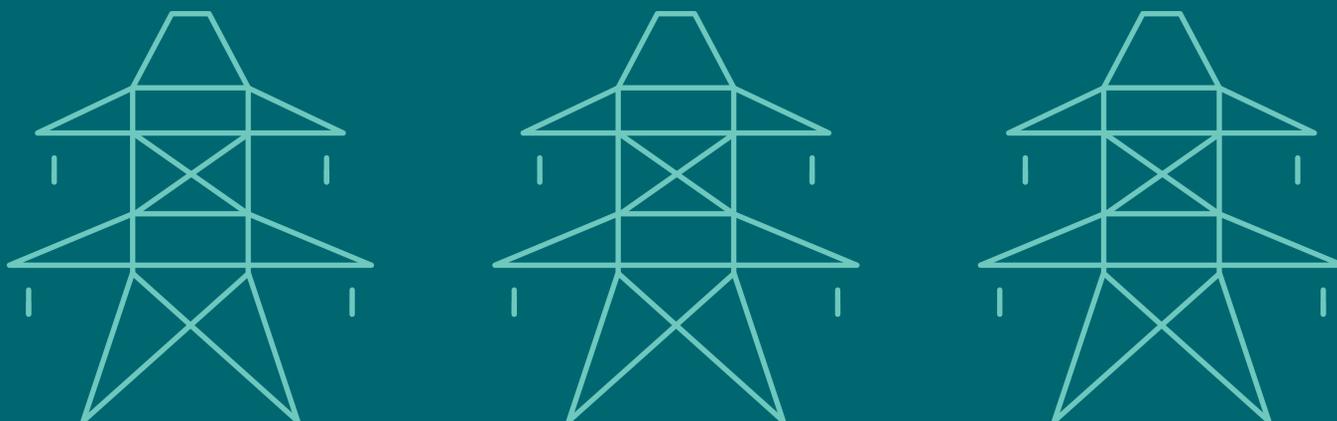


Welcome

St. Clair Transmission Line Project Community Open House #2

November 2022



Purpose of today's community open house

- Provide an update on the St. Clair Transmission Line Project
- Discuss the environmental assessment process and project timeline
- Share information about the route alternatives
- Gather your input and answer questions

Key organizations

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



Build, own, operate and maintain electricity transmission and distribution facilities across Ontario.



Oversee planning to ensure electricity needs are met both now and in the future.



**Ministry of the Environment,
Conservation and Parks**

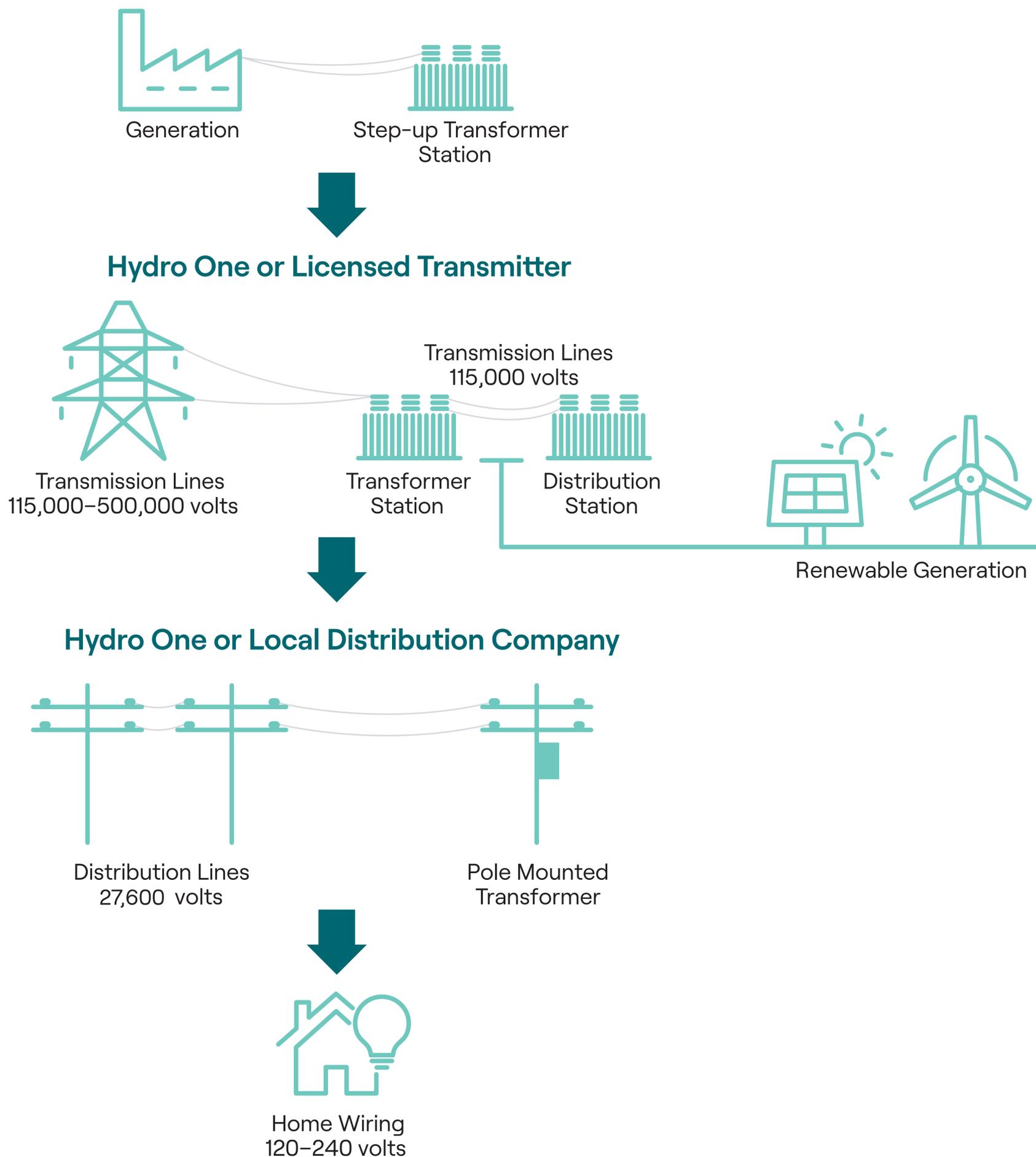
Legislative Authority for environmental assessments in Ontario.



Regulate the electricity market in Ontario, including electricity rates.

How the electricity system works in Ontario

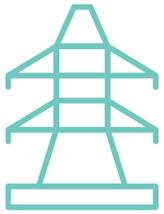
Ontario Power Generation and Private Generation Companies



What is the St. Clair line?

- The St. Clair Transmission Line is a proposed new 230 kilovolt transmission line between the Lambton Transformer Station in St. Clair Township and the Chatham Switching Station in the Municipality of Chatham-Kent.
- The Independent Electricity System Operator (IESO) has asked Hydro One to place this line in service by 2028 to support regional growth.
- The line is located in the ancestral land of the Chippewa, Odawa and Potawatomi peoples.
- We are currently completing a Class Environmental Assessment (EA) for Minor Transmission Facilities (2022) for the project, under the Ontario *Environmental Assessment Act*.

Regional benefits



Build a safe and reliable grid



Support economic growth in the Windsor-Essex and Chatham area in sectors like agriculture and electric vehicle technology



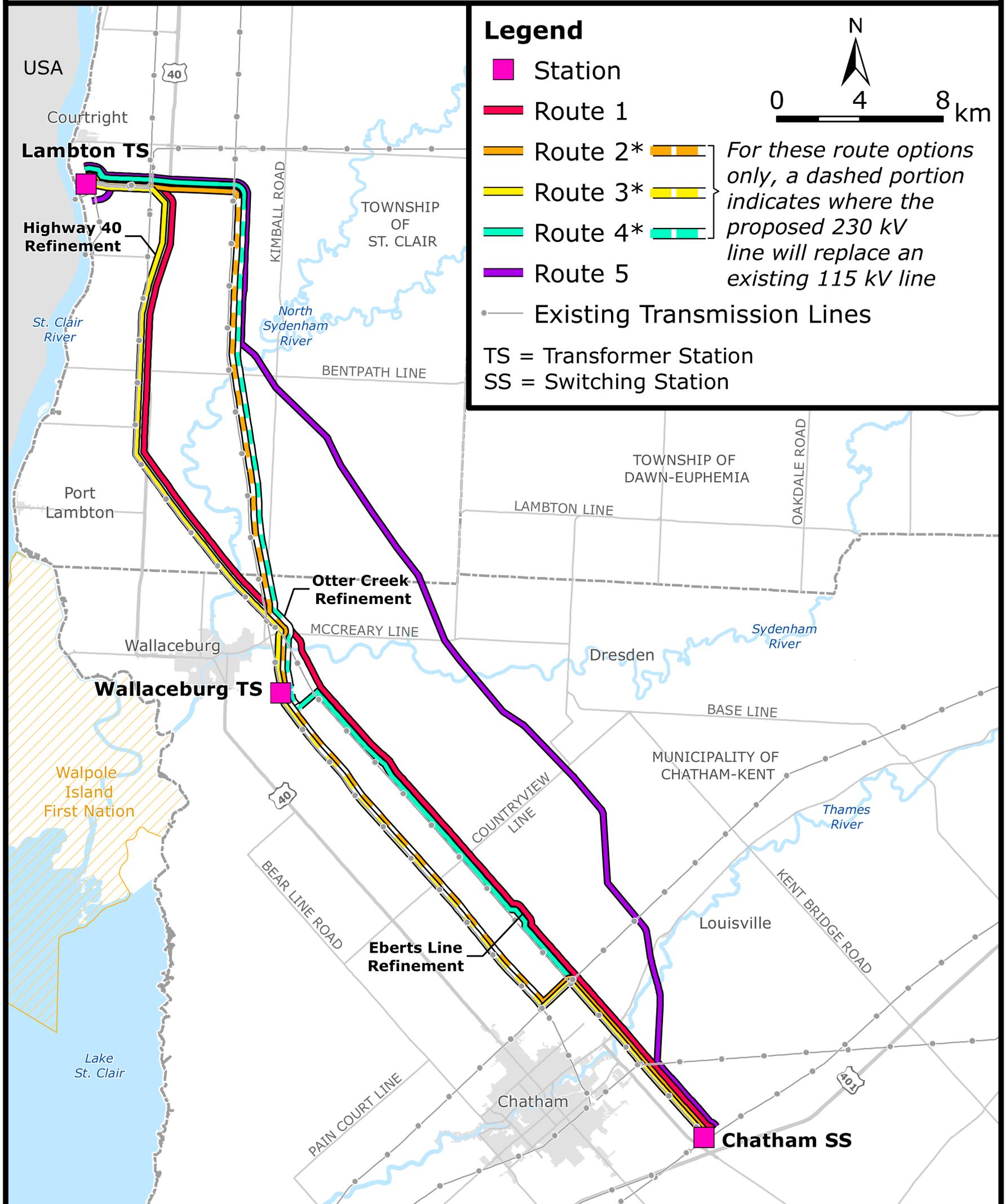
Bring an additional 400 megawatts of capacity to the region – enough to power a city the size of Waterloo!



Build community partnerships

Refined alternative routes project map

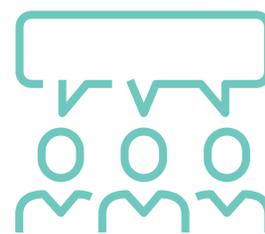
Hydro One Networks Inc. St. Clair Transmission Line Project



What is 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 potential environmental effects and mitigation measures
- Identify and evaluate route alternatives
- Select of a preferred route
- 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



What we've heard so far

- Consider effects to farming practices, including existing and planned agricultural features
- Preference to utilize existing transmission corridors where possible
- Consider ecological restoration areas
- Continue engaging with potentially affected property owners on compatible land uses and Hydro One's land rights acquisition program where applicable



Work we've done to date

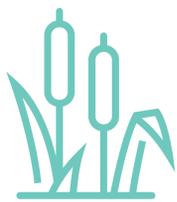
Since February 2022, the project team has been:



Engaging with Indigenous leadership and communities, elected officials, members of the public, government agencies and municipal staff, businesses and interest groups



Considering information gathered from municipal plans and other reports



Conducting natural environment field surveys



Completing archeological assessments and reviewing cultural heritage features



Identifying technical constraints related to preliminary engineering design

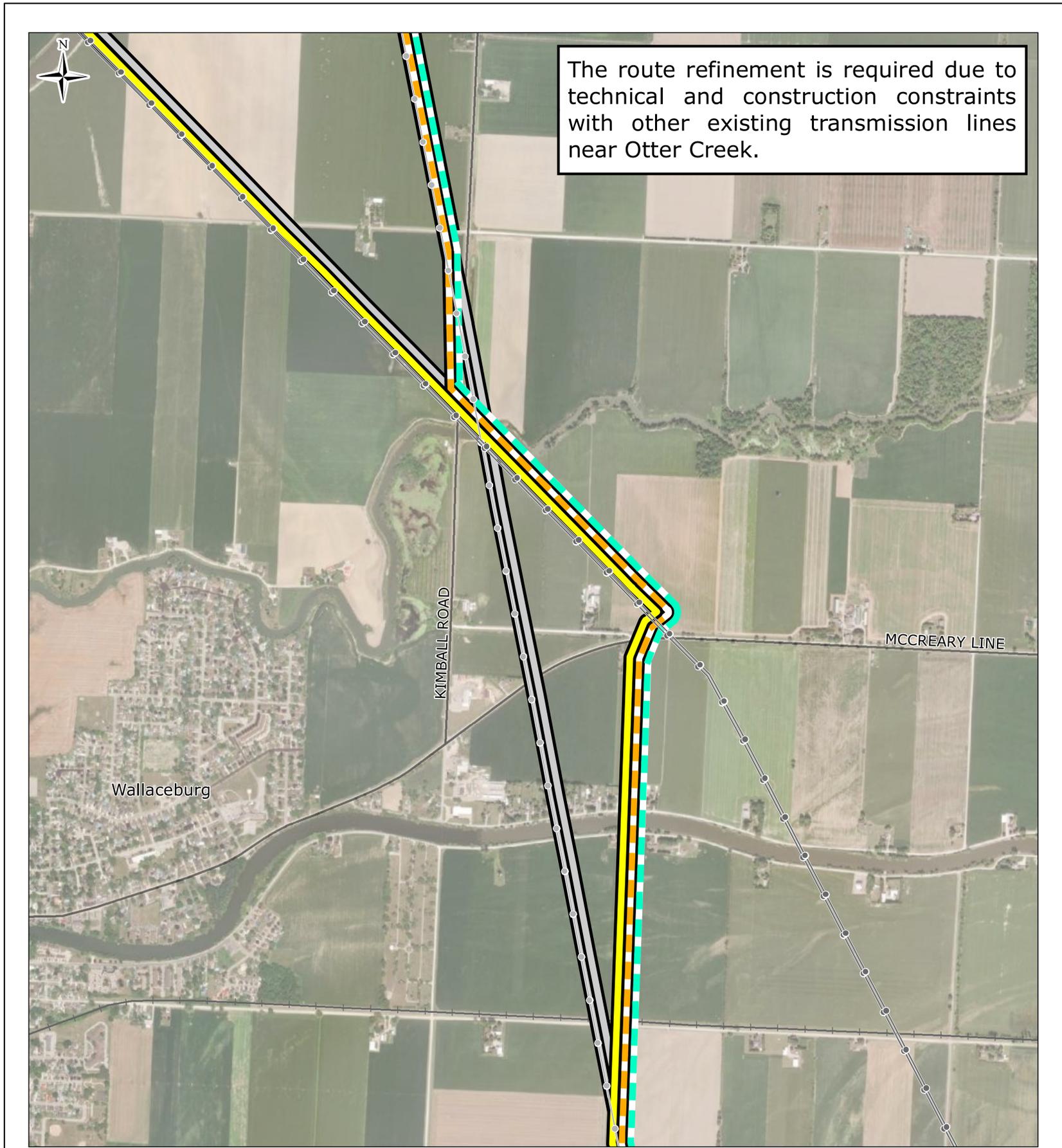
Why route refinements are required

- After starting the preliminary engineering design and receiving feedback from key technical stakeholders, we've learned there are technical constraints that require us to refine the routes
- Lambton Transformer Station and Chatham Switching Station will need to be expanded to complete the connection of the new line
- Wallaceburg Transformer Station may need to be upgraded if route 2, 3 or 4 is selected as the preferred route



Details shown on the following maps

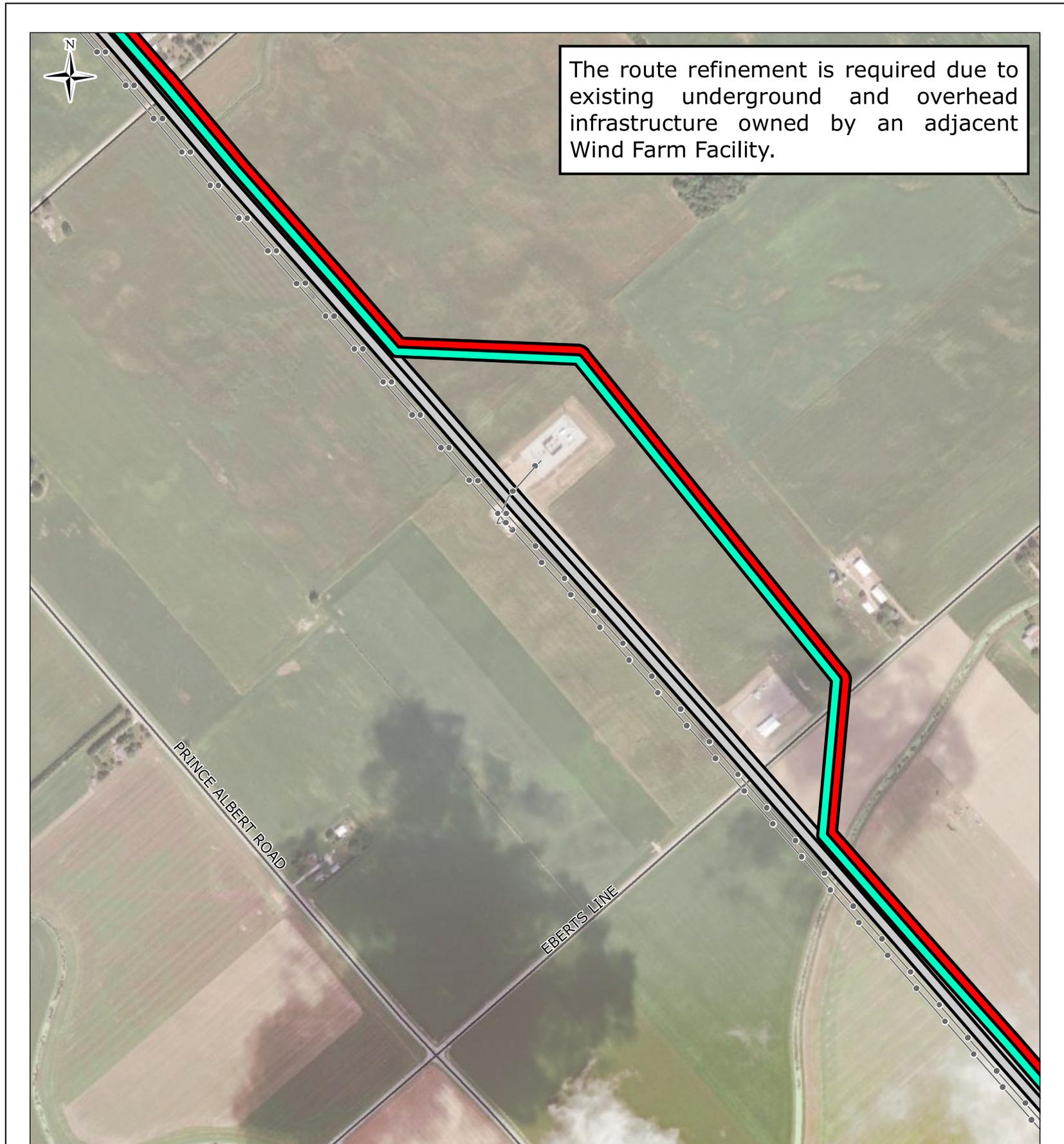
Otter Creek Crossing – refinements to alternative routes 2, 3 and 4



Legend: — Route 2 Refined Alignment — Road — Route 3 Refined Alignment — Railway — Route 4 Refined Alignment — Previous Alignments ● Existing 230 kv Transmission Line ● Existing 115 kv Transmission Line			
		St. Clair Transmission Line Otter Creek - Changes to Alternatives 2, 3 and 4	
NOTES <small>1. Coordinate System: NAD 1983 CSRS UTM Zone 17N. 2. Cadastral boundaries are for informational purposes only and should not be considered suitable for legal, engineering, or surveying purposes. 3. Topographic/landcover features obtained from CanVec v12.0 dataset, Natural Resources Canada Earth and Sciences Sector, Centre for Topographic Information; and, Land Information Ontario (LIO) Warehouse Open Data (https://geohub.lio.gov.on.ca/), Ontario Ministry of Natural Resources and Forestry (OMNRF) Download Date: 2021-02-04</small>		DISCLAIMER <small>This drawing was prepared for the exclusive use of Hydro One Networks Inc. (the "Client"). Unless otherwise agreed in writing by SNC-Lavalin Inc./Dillon Consulting Ltd., SNC-Lavalin Inc./Dillon Consulting Ltd. does not accept and disclaims any and all liability or responsibility arising from any use of or reliance on this drawing by any third party or any modification or misuse of this drawing by the Client. This drawing is confidential and all intellectual property rights embodied or referenced in this drawing remain the property of such parties, as determined by the applicable services contract or contracts between SNC-Lavalin Inc./Dillon Consulting Ltd. and the Client.</small>	
Figure Number: Sheet 1 of 1 REV: PA		Client: Hydro One Networks Inc. Project Number: 684567 Date: 2022-10-18	
DSC		DRN CHK APP AD	
TS = Transformer Station and SS = Switching Station			

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community Path: \\tor01\projects\E&W\Projects\684567 - St Clair Transmission Line\40_Execution\45_GIS_Dwgs\MXD\Route_Refinements\684567_SCTL_PLN_RouteRefinementOtterCreek_0001_0003.mxd

Wind Farm Facility, Eberts Line – refinements to alternative routes 1 and 4



The route refinement is required due to existing underground and overhead infrastructure owned by an adjacent Wind Farm Facility.

Legend:	
—	Route 1 Refined Alignment
—	Route 4 Refined Alignment
—	Previous Alignments
•	Existing 230 kv Transmission Line
—	Road

St. Clair Transmission Line
Wind Farm Facilities, Eberts Line
- Changes to Alternatives 1 and 4



NOTES

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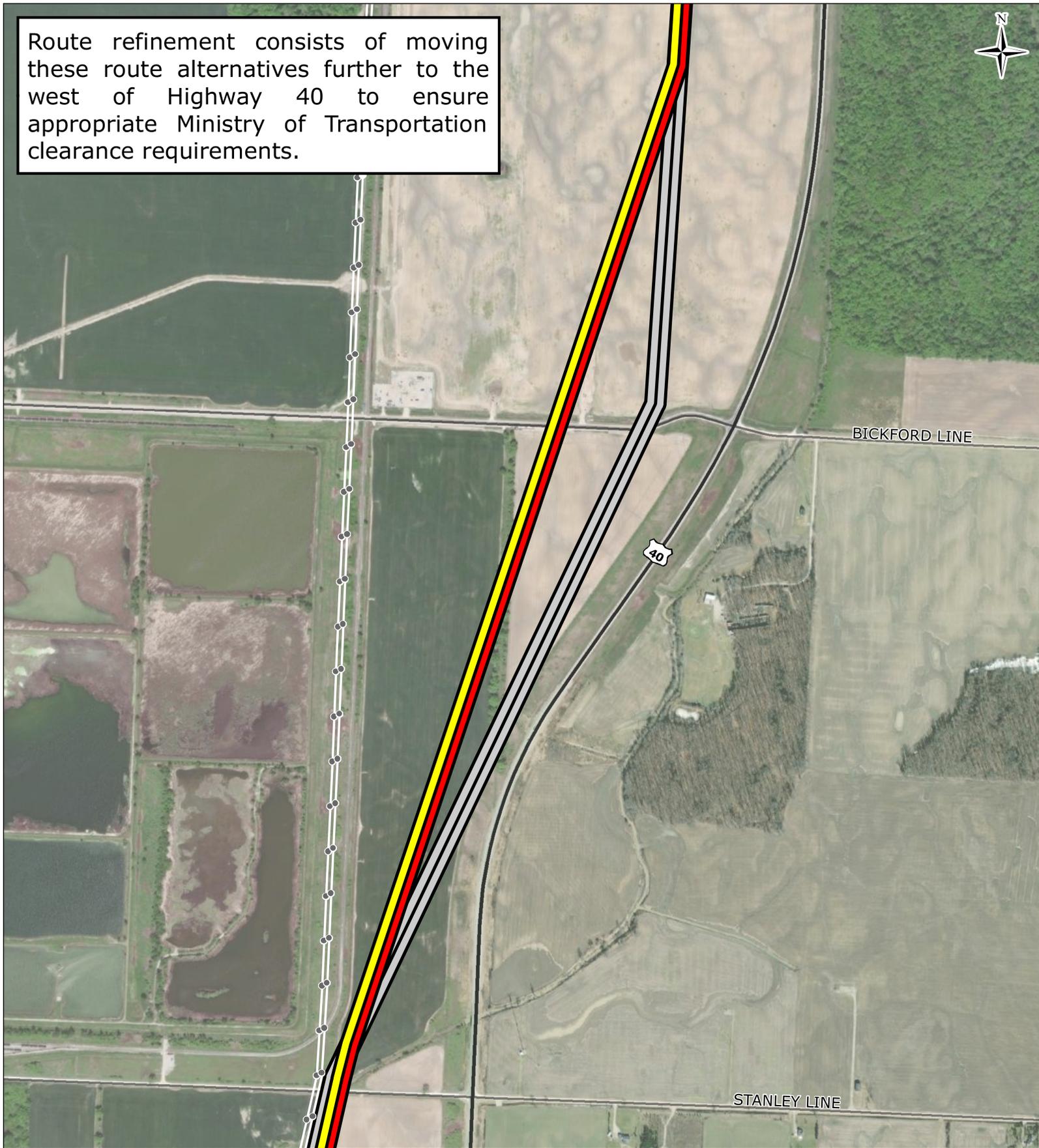
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	DSC	Date:	2022-10-18
TS = Transformer Station and SS = Switching Station			DRN
			CHK
			APP
			AD

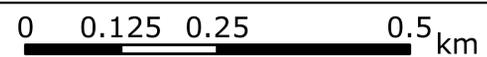
Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Path: \\tor01\projects\E&W\Projects\684567 - St Clair Transmission Line\40_Execution\45_GIS_Dwgs\MXD\Route_Refinements\684567_SCTL_PLN_RouteRefinementEbertsLine_0001_0003.mxd

Highway 40 between Bickford and Stanley Line – refinements to alternative routes 1 and 3



- Legend:**
- Route 1 Refined Alignment
 - Route 3 Refined Alignment
 - Previous Alignments
 - Existing 230 kv Transmission Line
 - Highway
 - Road



St. Clair Transmission Line
 Highway 40 between Bickford and Stanley Line - Changes to Alternatives 1 and 3

NOTES

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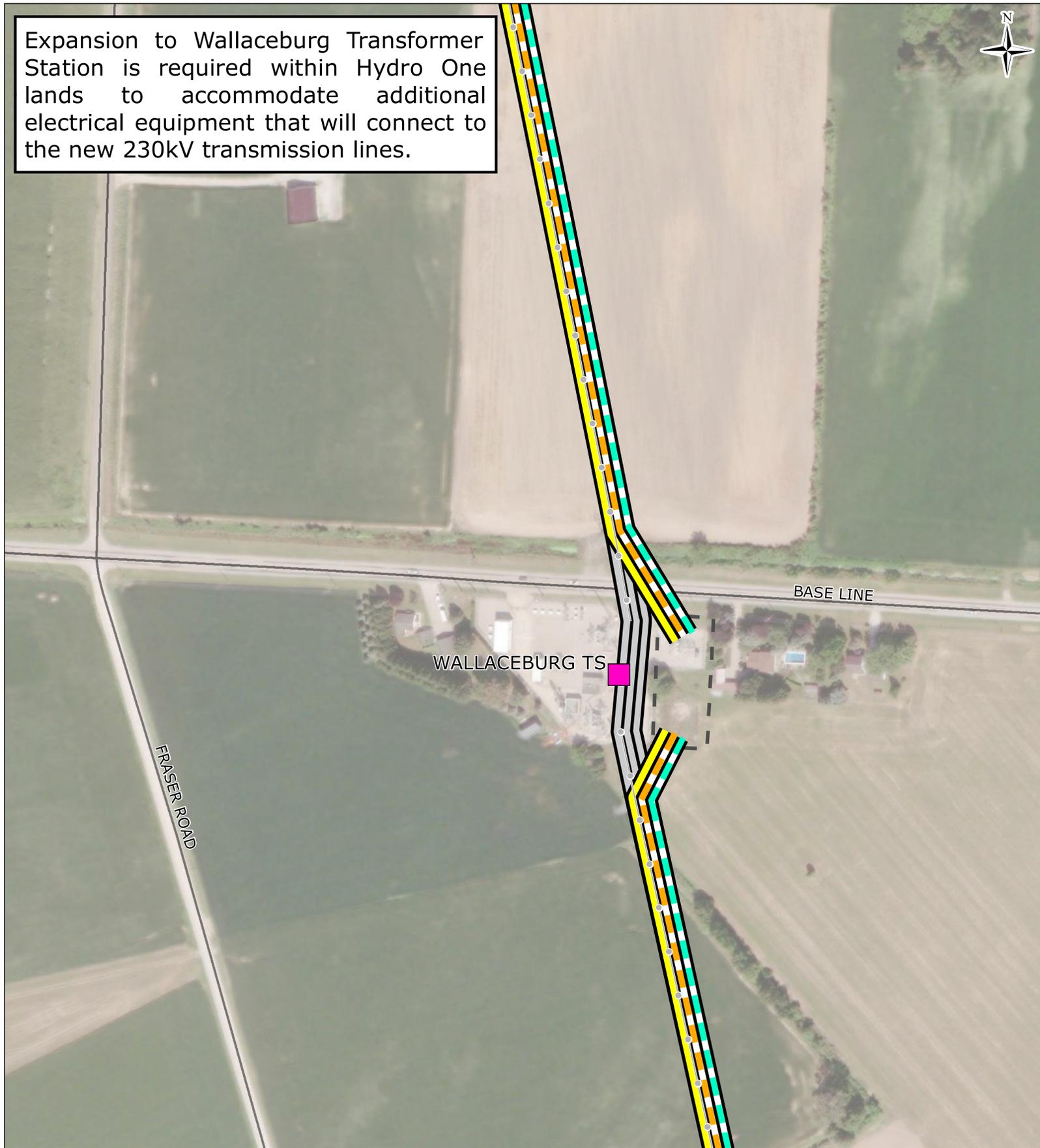
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Client: Hydro One Networks Inc.	Project Number: 684567	Date: 2022-10-18
DSC		DRN CHK APP
TS = Transformer Station and SS = Switching Station		AD

Wallaceburg Station Upgrade – refinements to alternative routes 2, 3 or 4

Expansion to Wallaceburg Transformer Station is required within Hydro One lands to accommodate additional electrical equipment that will connect to the new 230kV transmission lines.



Legend:

- Station
- Route 2 Refined Alignment
- Route 3 Refined Alignment
- Route 4 Refined Alignment
- Previous Alignments
- Existing 115 kv Transmission Line
- Wallaceburg TS Expansion Area
- Road



0 0.0375 0.075 0.15 km

St. Clair Transmission Line
Wallaceburg Upgrade - Changes to Alternatives 2, 3 or 4

NOTES

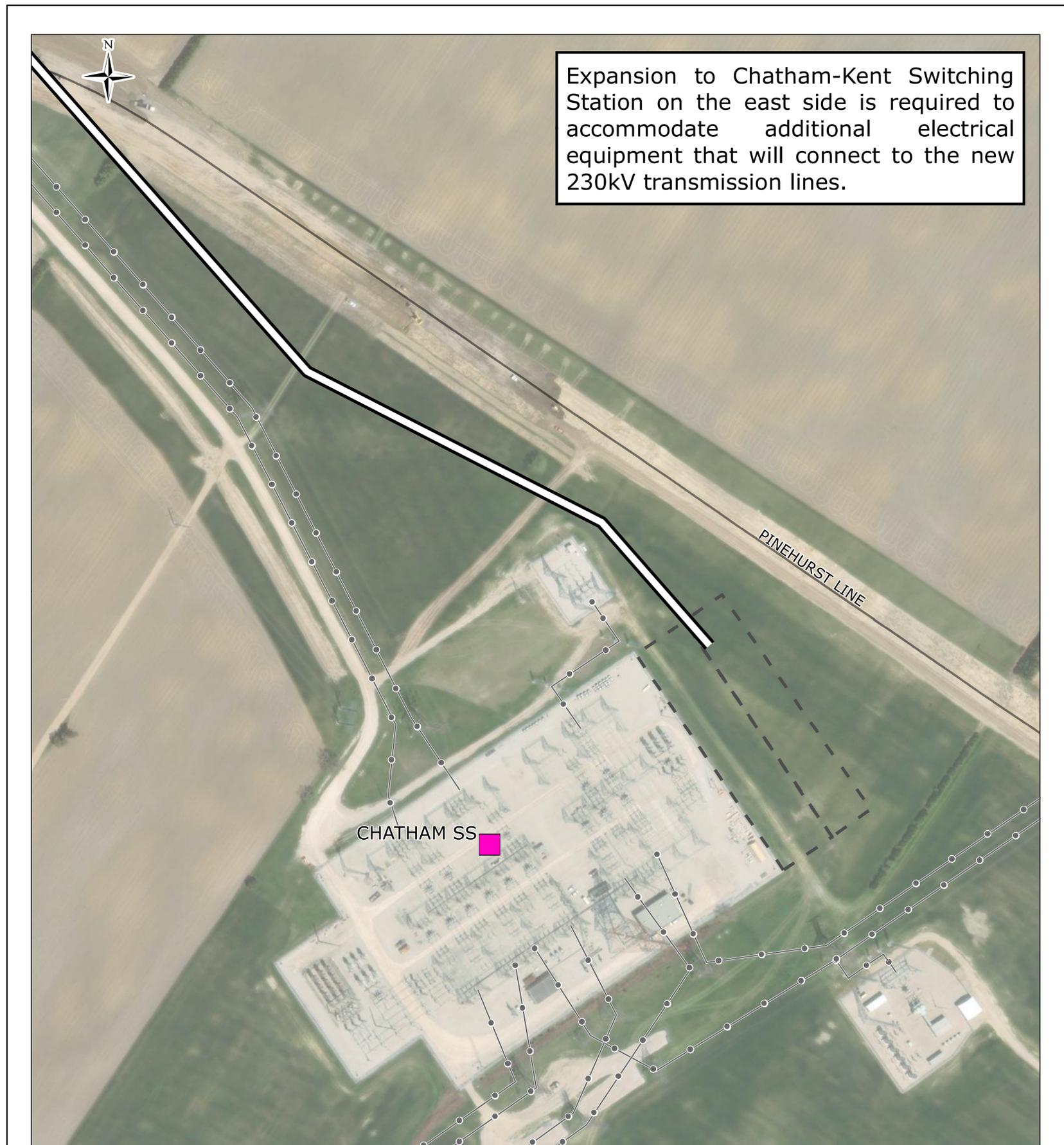
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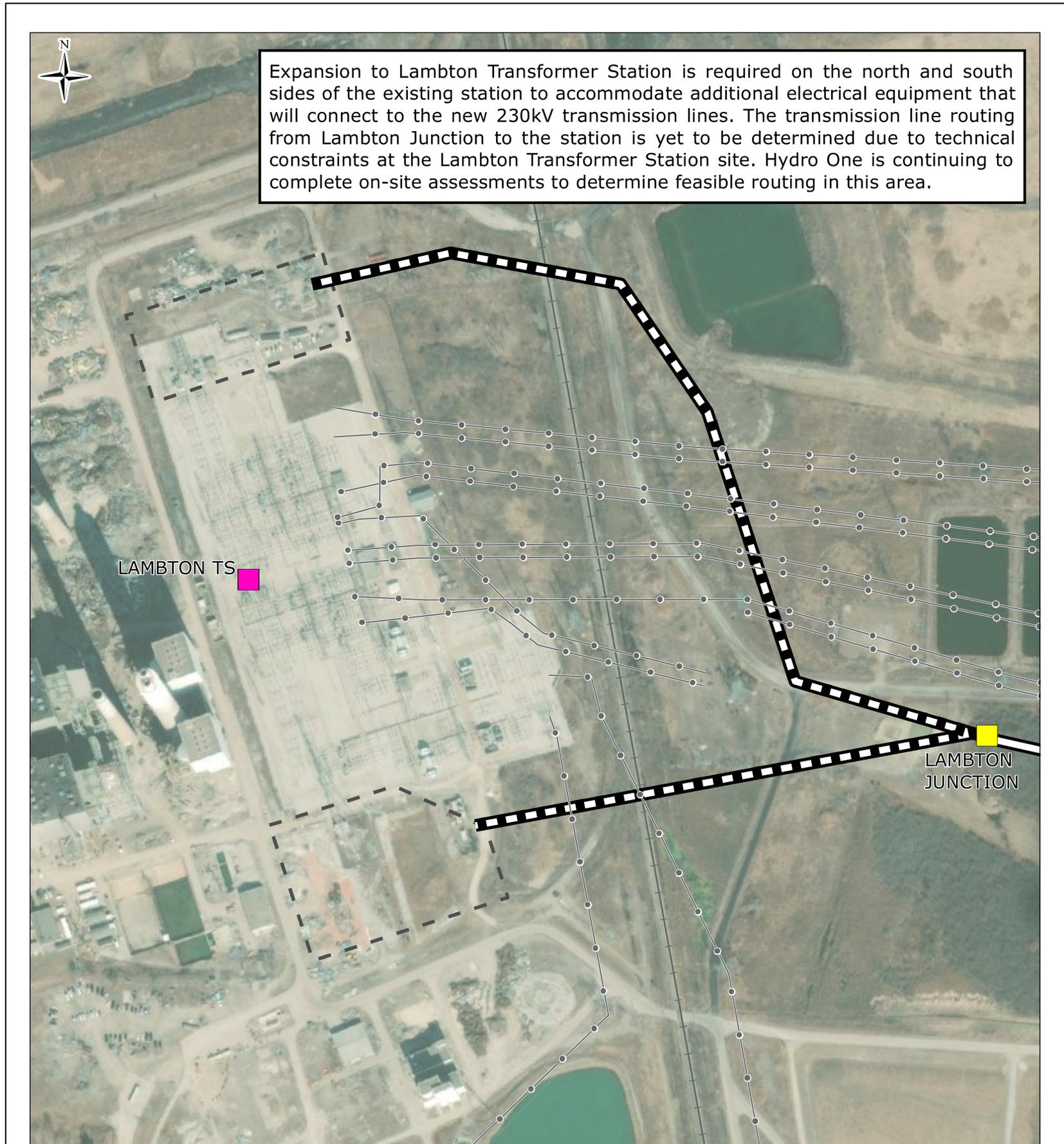
Chatham Switching Station Expansion and Line Connection – refinements to alternative routes 1, 2, 3, 4 and 5



Legend: Station All SCTL Route Alternatives Existing 230 kv Transmission Line Chatham SS Fenceline Expansion Area Road			
		St. Clair Transmission Line Chatham Switching Station Expansion and Line Connection - Changes to Alternatives 1, 2, 3, 4, and 5	
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Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community Path: \\tor01\projects\E&W\Projects\684567 - St Clair Transmission Line\40_Execution\45_GIS_Dwgs\MXD\Route_Refinements\684567_SCTL_PLN_RouteRefinementChathamExpansion_0001_0003.mxd

Lambton Transformer Station Expansion and Line Connection – refinements to alternative routes 1, 2, 3, 4 and 5



<p>Legend:</p> <ul style="list-style-type: none"> ■ Station ■ Junction All SCTL Route Alternatives Conceptual Route Alternatives Existing 230 kv Transmission Line Lambton TS Fenceline Expansion Area Railway 		<p>0 0.05 0.1 0.2 km</p>																								
<p>NOTES</p> <ol style="list-style-type: none"> 1. Coordinate System: NAD 1983 CSRS UTM Zone 17N. 2. Cadastral boundaries are for informational purposes only and should not be considered suitable for legal, engineering, or surveying purposes. 3. Topographic/landcover features obtained from CanVec v12.0 dataset, Natural Resources Canada Earth and Sciences Sector, Centre for Topographic Information; and, Land Information Ontario (LIO) Warehouse Open Data (https://geohub.lio.gov.on.ca/), Ontario Ministry of Natural Resources and Forestry (OMNRF) Download Date: 2021-02-04 <p>DISCLAIMER</p> <p>This drawing was prepared for the exclusive use of Hydro One Networks Inc. (the "Client"). Unless otherwise agreed in writing by SNC-Lavalin Inc./Dillon Consulting Ltd., SNC-Lavalin Inc./Dillon Consulting Ltd. does not accept and disclaims any and all liability or responsibility arising from any use of or reliance on this drawing by any third party or any modification or misuse of this drawing by the Client. This drawing is confidential and all intellectual property rights embodied or referenced in this drawing remain the property of such parties, as determined by the applicable services contract or contracts between SNC-Lavalin Inc./Dillon Consulting Ltd. and the Client.</p>		<p>St. Clair Transmission Line Lambton Transmission Station Expansion and Line Connection - changes to Alternatives 1, 2, 3, 4, and 5</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Figure Number:</td> <td style="text-align: center;">Sheet 1 of 1</td> <td>REV:</td> <td style="text-align: center;">PA</td> </tr> <tr> <td>Client:</td> <td>Hydro One Networks Inc.</td> <td>Project Number:</td> <td>684567</td> </tr> <tr> <td></td> <td></td> <td>Date:</td> <td>2022-10-27</td> </tr> <tr> <td></td> <td style="text-align: center;">DSC</td> <td>DRN</td> <td>CHK</td> </tr> <tr> <td></td> <td></td> <td>APP</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;">TS = Transformer Station and SS= Switching Station</td> <td>AD</td> <td></td> </tr> </table>	Figure Number:	Sheet 1 of 1	REV:	PA	Client:	Hydro One Networks Inc.	Project Number:	684567			Date:	2022-10-27		DSC	DRN	CHK			APP		TS = Transformer Station and SS= Switching Station		AD	
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Selecting a preferred route

An evaluation process will be used to compare the alternative routes, including these four categories:



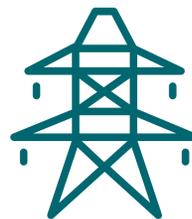
**Natural
Environment**



**Indigenous
Culture, Values
and Land Use**



**Socio-Economic
Environment**



**Technical
and Cost**

An evaluation framework will be created based on collected feedback and information.

We anticipate a preferred route will be selected in Spring 2023.

Working with property owners

Once a preferred route is selected in Spring 2023, Hydro One Real Estate will work with directly impacted property owners 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.

Please speak with an on-site Real Estate Representative to learn more.



Project Timeline

- February 2022**
Notice of Commencement for the Class Environmental Assessment (Class EA)
- February/March 2022**
Community Open Houses #1
- Fall 2022**
Community Open Houses #2
- Spring 2023**
Announcement of preferred route selection and Community Open Houses #3
- Fall 2023**
Release Draft Environmental Study Report (ESR) for review and comment. Respond to comments received and finalize ESR to complete Class EA
- 2025-2026**
Detailed design and other permits and approvals
- Spring 2027**
Proposed construction start
- 2028**
Proposed line in-service

In order to meet the energy needs of the region as quickly as possible, we are looking for opportunities to bring the new line into service at an earlier date, if possible.

Thank You for joining us

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



1.877.345.6799



Community.Relations@HydroOne.com



HydroOne.com/StClair

