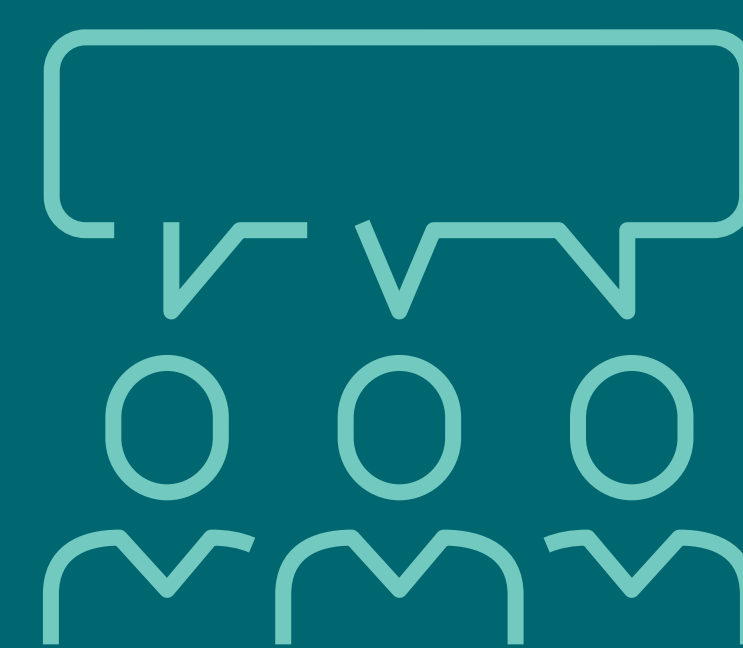
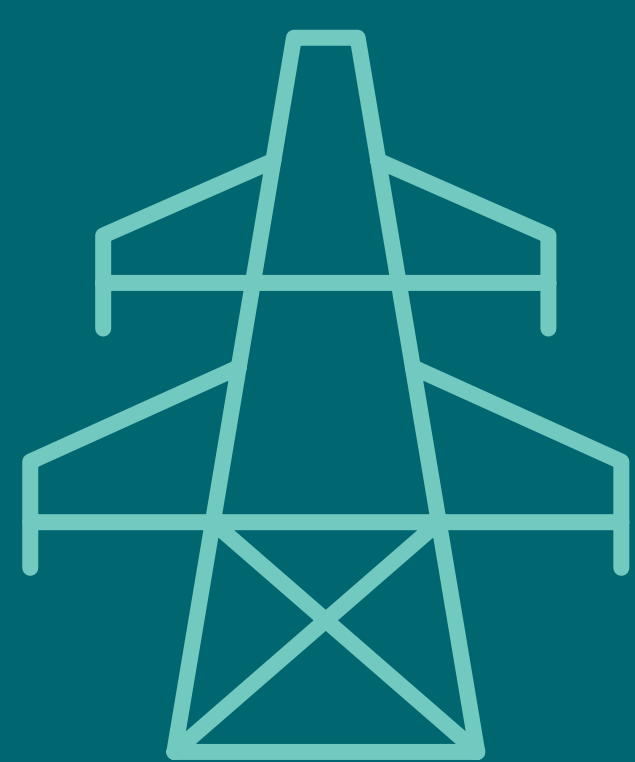


Welcome

Orléans area
reinforcement project

Community open house

April 2025



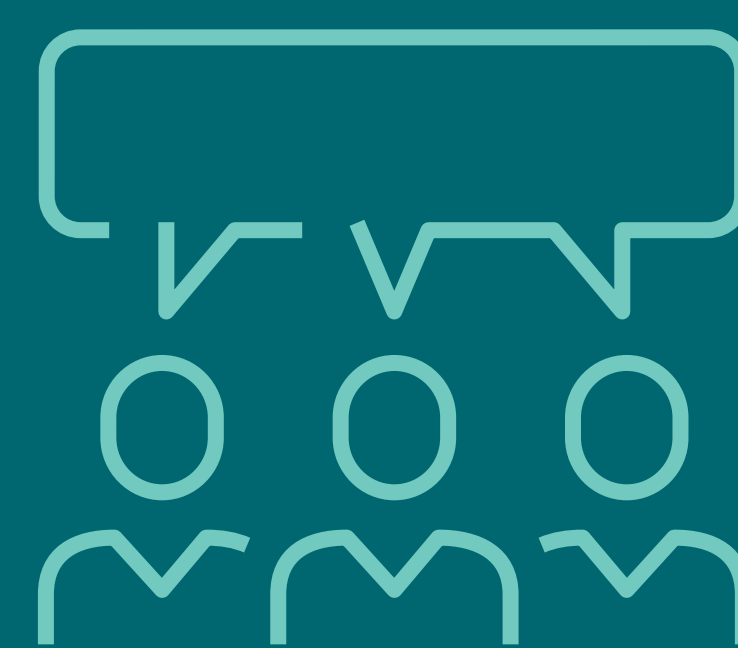
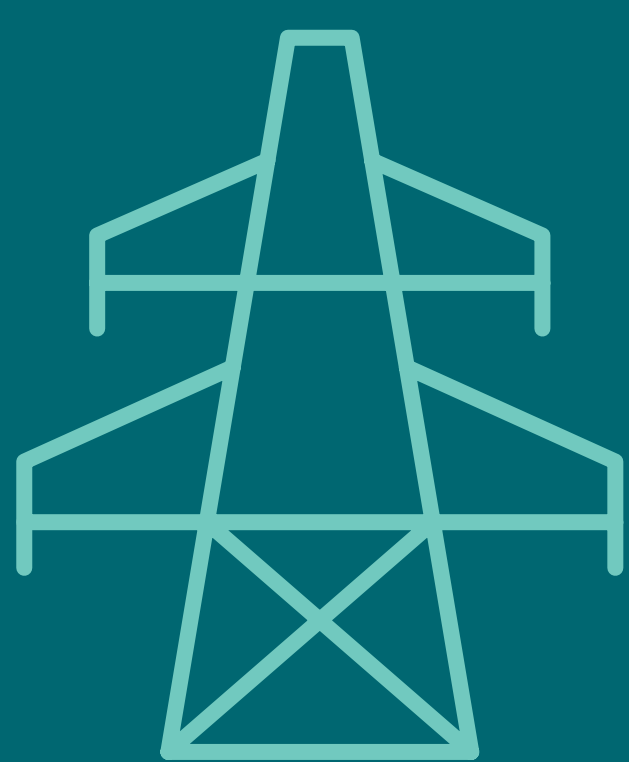
Welcome

Orléans area reinforcement project

Community open house

We are here today to:

- Share project details for the proposed new transmission line and existing line upgrade
- Provide an overview of the Class Environmental Assessment (Class EA) process
- Present key milestones and next steps
- Gather your input and answer questions



How the system works

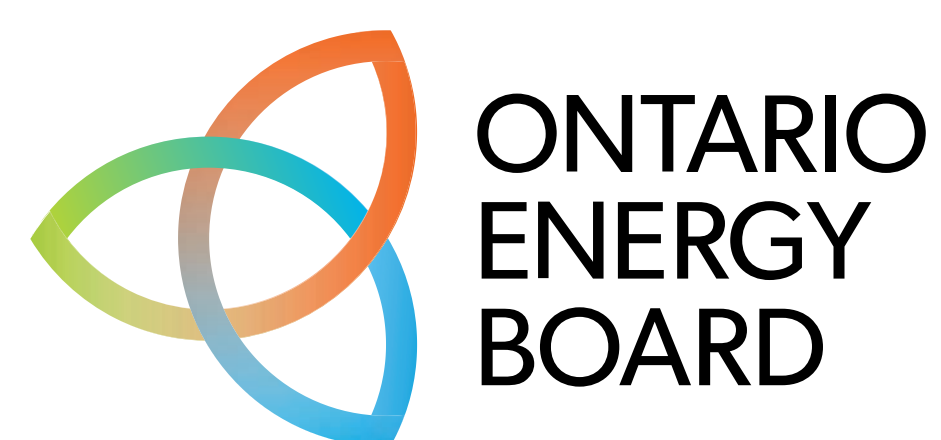
Building infrastructure to meet the energy needs of today and tomorrow involves a number of partners, including:



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



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



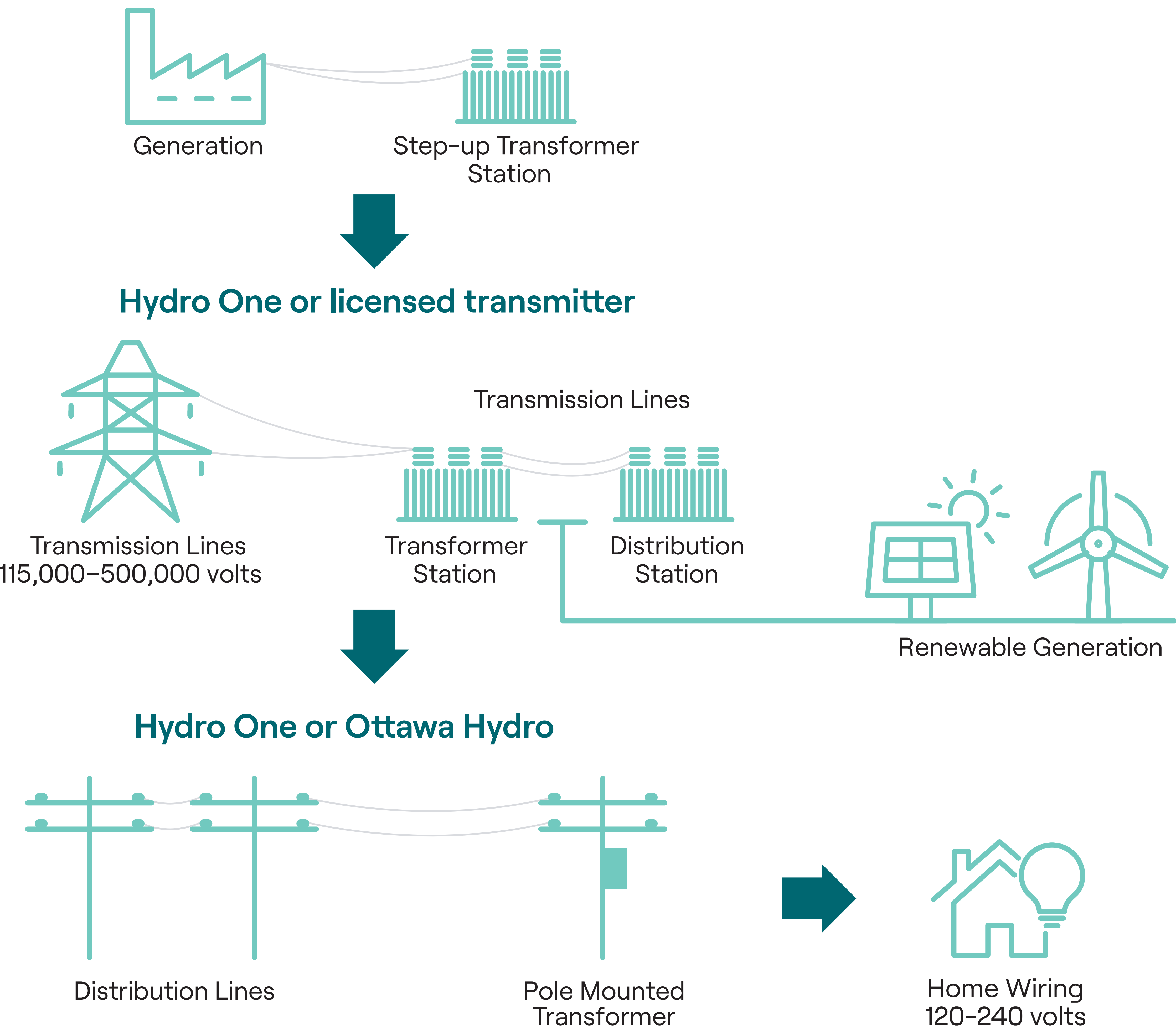
Regulates the electricity market in Ontario, including electricity rates



Hydro One's role in delivering power to you

We energize life for people and communities, helping Ontarians live better and have a brighter future.

Ontario Power Generation and private generation companies



Project overview

To support growing electricity demand in the Orléans area, Hydro One is initiating a Class Environmental Assessment (Class EA) to propose the following:

- A new 115-kilovolt (kV) transmission line that will be approximately 12 kilometres (km) long
- Convert an existing 115-kV transmission line to 230-kV

The proposed new transmission line would be in the middle of the existing transmission corridor between Hydro One's Hawthorne Transformer Station (TS) and Orléans TS.


Changes to the existing transmission structures are not expected to convert the existing 115-kV line to 230-kV. We expect upgrades to both Hawthorne TS and Orléans TS to connect the new line.



Planning process

The Class Environmental Assessment (Class EA) for Transmission Facilities (2024) is the first step towards completing the planning for this proposed project. This process applies to transmission infrastructure projects that are carried out routinely and have predictable environmental effects that can be readily managed to ensure that potential effects are thoroughly considered before a project begins.

Steps of a Class EA

- Consultation with Indigenous communities, property owners, community members, elected officials, interest groups and government agencies
 - Collection of environmental (natural and socio-economic) data
 - Evaluation of reasonable alternative methods for reinforcing the Orléans area electricity supply
 - Identification of potential effects and mitigation measures
- 
 - Selection of a preferred method of reinforcing electricity supply
 - Draft environmental study report (ESR) made available for public review and comment period
 - Final ESR and Statement of Completion submitted to the Ministry of the Environment, Conservation and Parks (MECP)
- For more information, please visit

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

Planning process for federal lands



Approximately six km of the proposed project is on federal lands owned by the National Capital Commission (NCC) and is subject to the *National Capital Act*, as well as Section 82 of the *Impact Assessment Act* (IAA). The project requires a Federal Land Use, Design and Transaction Approval (FLUDTA) in accordance with the *National Capital Act* and a determination of significance in accordance with Section 82 of the IAA.

Later in this study, a project description for the portion of the project on federal lands will be posted on the Canadian Impact Assessment Registry for a 30-day comment period as part of the federal regulatory approval process.



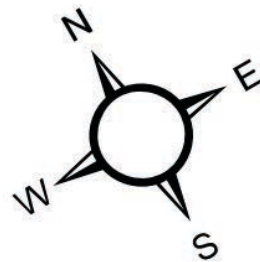
Proposed route

The route for the proposed new transmission line is within an existing transmission corridor between Hawthorne TS and Orléans TS as shown on the map to the right

- Legend**
- Transformer Station (TS)
 - Proposed Transmission Line
 - Existing Transmission Line
 - Existing Transmission Line to be Operated at 230 kV
 - Road
 - Waterbody
 - Watercourse
 - National Capital Commission (NCC) Trail

SCALE 1:7,500

0 0.5 1 2km



See our table maps for a larger version of the proposed route.

Benefits of the proposed route

The proposed route uses the existing transmission corridor between Hawthorne TS and Orléans TS and has the following benefits:

- Limits impacts to the natural environment and cultural heritage resources by working within the existing corridor
- Avoids property impacts by limiting the project to the existing Hydro One corridor
- Reduces the cost and technical complexity of the project by limiting the need for new infrastructure or facilities

Rationale for the proposed route

The Class EA requires that if technically reasonable alternative methods, such as routes or sites, are identified, they be assessed through a comparative evaluation.

Assessing alternative routes is not necessary in this case because this project can be completed within the existing corridor. As a result, this Class EA is focused on consultation and impact assessment with respect to the proposed route.

Working in the community

We understand these types of projects can be disruptive, and we will make best efforts to minimize impacts by:



Working closely with licence holders for recreational facilities along the corridor and reduce impacts to these facilities as much as possible.



Installing safety equipment under the wires to minimize road or walkway closures.



Installing signs along the corridor during construction.



Minimizing impacts with selective vegetation removals.



Talk to our project team, use the table map and/or our interactive map on our website to share locations you have specific concerns about.

Designing the transmission line

When the proposed route is confirmed and approved, the detailed design for the transmission line will consider:

- Residential and business effects
- Structure heights and clearances
- Structure locations
- Environmental constraints
- Distance between structures
- Construction methodology
- Topography and soil conditions

Over the next several months, we will complete more detailed environmental and technical studies to inform the design of the proposed new line. We will also gather feedback from local residents, interest groups and Indigenous communities to help inform the design and mitigation measures.



Working with property owners

Throughout the planning and delivery of the project we will:



Engage with owners to discuss how the proposed transmission line may intersect with their properties.



Understand existing conditions and work with owners to ensure feedback is taken into consideration.



Answer questions and provide regular project information and updates.

As we move through the Class EA process, our real estate team will work with directly impacted property owners to discuss next steps.



Working with Indigenous communities

Hydro One continues to work closely with Indigenous communities in a spirit of cooperation and shared responsibility.

Forging meaningful relationships with Indigenous communities based on trust, confidence and accountability is vital to building partnerships and advancing reconciliation.

Our engagement, advocacy and strategic direction are set by Indigenous Relations policy and led in collaboration with the Indigenous communities we work with every day.

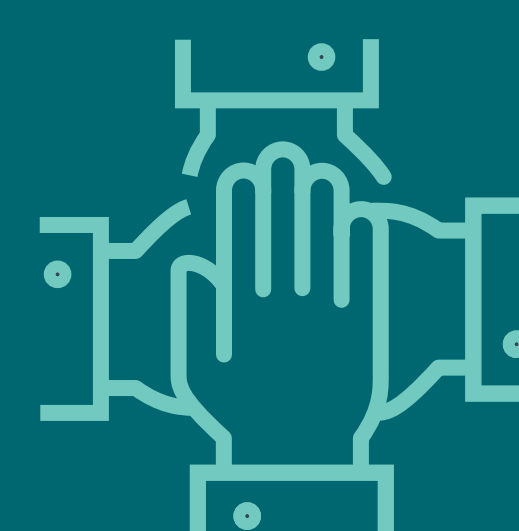
Hydro One's approach



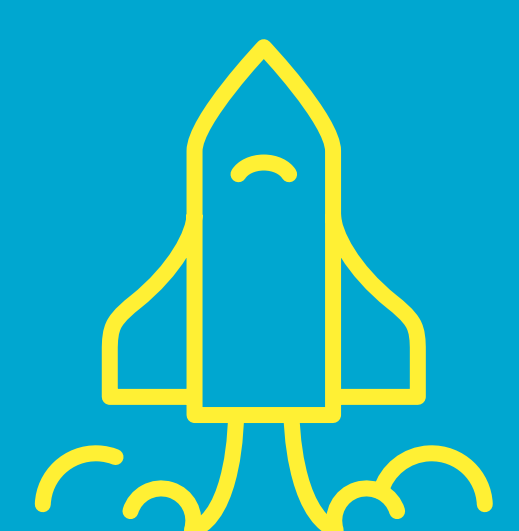
**Excelling at
engagement**



**Working with
integrity**

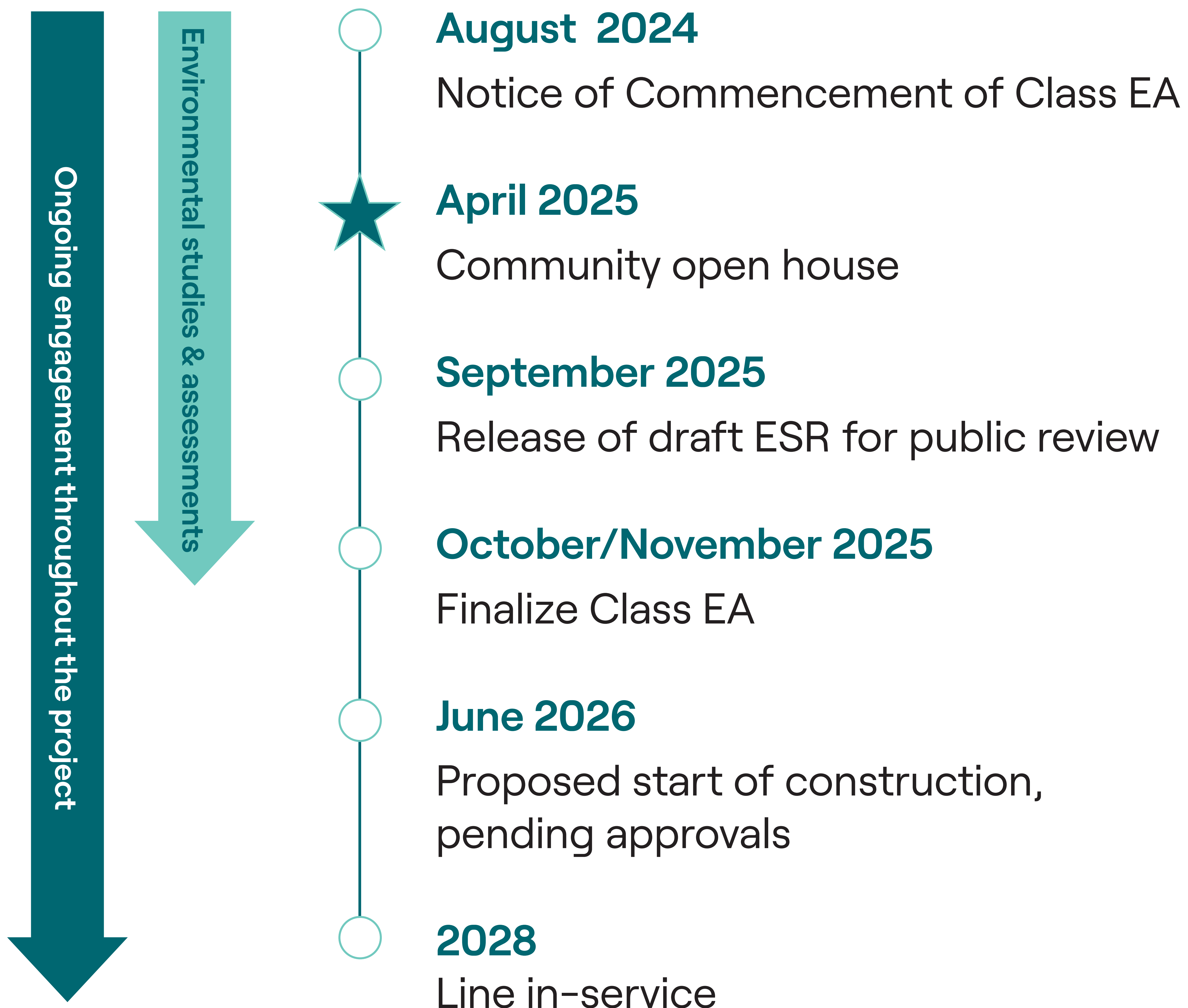


**Holding
ourselves
accountable**



**Breaking
barriers**

Project timeline



*All dates are subject to change



Thank you

Your feedback and input is important to us. Please share your feedback with our team and complete a comment form before you go. To provide comments or to be added to the project contact list, please call or email:



1.877.345.6799



Community.Relations@HydroOne.com

For the most up-to-date project information and project updates, visit:



HydroOne.com/Orleans