



# St. Charles Community Expansion Project

## Public Information Session

June 25, 2024, from 5-8 pm  
St. Charles Arena (Arena Hall)  
99 King Street E.  
St. Charles, ON P0M 2W0



# St. Charles Community Expansion Project



## Welcome

We invite you to view the Project information on the display boards and speak to members of the Project Team from Enbridge Gas and AECOM.



Please sign-in at the front desk to receive future updates. Don't forget to fill out a Questionnaire as we want to hear from you!

# St. Charles Community Expansion Project



## Enbridge Gas' Commitment

Enbridge Gas is dedicated to engaging with Indigenous communities, agencies, interest groups, and community members. They commit to providing up-to-date information in an open, honest, and respectful manner while carefully considering your input. With over 3.9 million residential, commercial, and industrial customers, Enbridge Gas is committed to delivering natural gas safely and reliably. Environmental stewardship is also a top priority for Enbridge Gas, and they conduct their operations in an environmentally responsible manner.

# St. Charles Community Expansion Project



## Enbridge Gas' Engagement with Indigenous Peoples

Enbridge recognizes the diversity of Indigenous peoples who live where we work and operate. We understand that certain laws and policies have had destructive impacts on Indigenous cultures, languages, and the social and economic well-being of Indigenous peoples. We also recognize the importance of reconciliation between Indigenous peoples and broader society. We are committed to building positive and sustainable relationships with Indigenous peoples, based on trust and respect, and focused on finding common goals through open dialogue.

The Indigenous engagement program is based on adherence to the Ontario Energy Board's Guidelines and Enbridge Inc.'s company-wide Indigenous Peoples Policy, which Enbridge Gas follows. Enbridge's Indigenous Peoples Policy lays out key principles for establishing relationships with Indigenous groups, including:

- Recognizing the importance of the United Nations Declaration on the Rights of Indigenous Peoples in the context of existing Canadian law and the commitments that the government has made to protecting the rights of Indigenous Peoples;
- Recognizing the legal and constitutional rights possessed by Indigenous peoples in Canada and the importance of the relationship between Indigenous Peoples and their traditional lands and resources;
- Engaging early to achieve meaningful relationships with Indigenous groups by providing timely exchanges of information, understanding and addressing Indigenous project-specific concerns, and ensuring ongoing dialogue regarding its projects, their potential impacts and benefits; and
- Aligning Enbridge's interests with those of Indigenous communities through meaningful, direct Indigenous economic activity in projects corresponding to community capacity and project needs, where possible.

# St. Charles Community Expansion Project



## Indigenous Peoples Policy

- Enbridge Gas engages in forthright and sincere consultation with Indigenous Peoples about their projects and operations through processes that seek to achieve early and meaningful engagement. Indigenous engagement helps define projects that may occur on lands traditionally occupied by Indigenous Peoples.
- Enbridge Gas commits to working with Indigenous Peoples to achieve benefits for them resulting from Enbridge Gas' projects and operations, including opportunities in training and education, employment, procurement, business development, and community development.
- Enbridge Gas fosters an understanding of the history and culture of Indigenous Peoples among their employees and contractors, in order to create better relationships between Enbridge Gas and Indigenous communities.
- The commitment is a shared responsibility involving Enbridge Gas and its affiliates, employees and contractors. They will conduct business in a manner that reflects the above principles. Enbridge Gas will provide ongoing leadership and resources to effectively implement the above principles, including the development of implementation strategies and specific action plans. Enbridge Gas commits to periodically review this policy so that it remains relevant and respects Indigenous culture and varied traditions.

# St. Charles Community Expansion Project



## Purpose of the Information Session

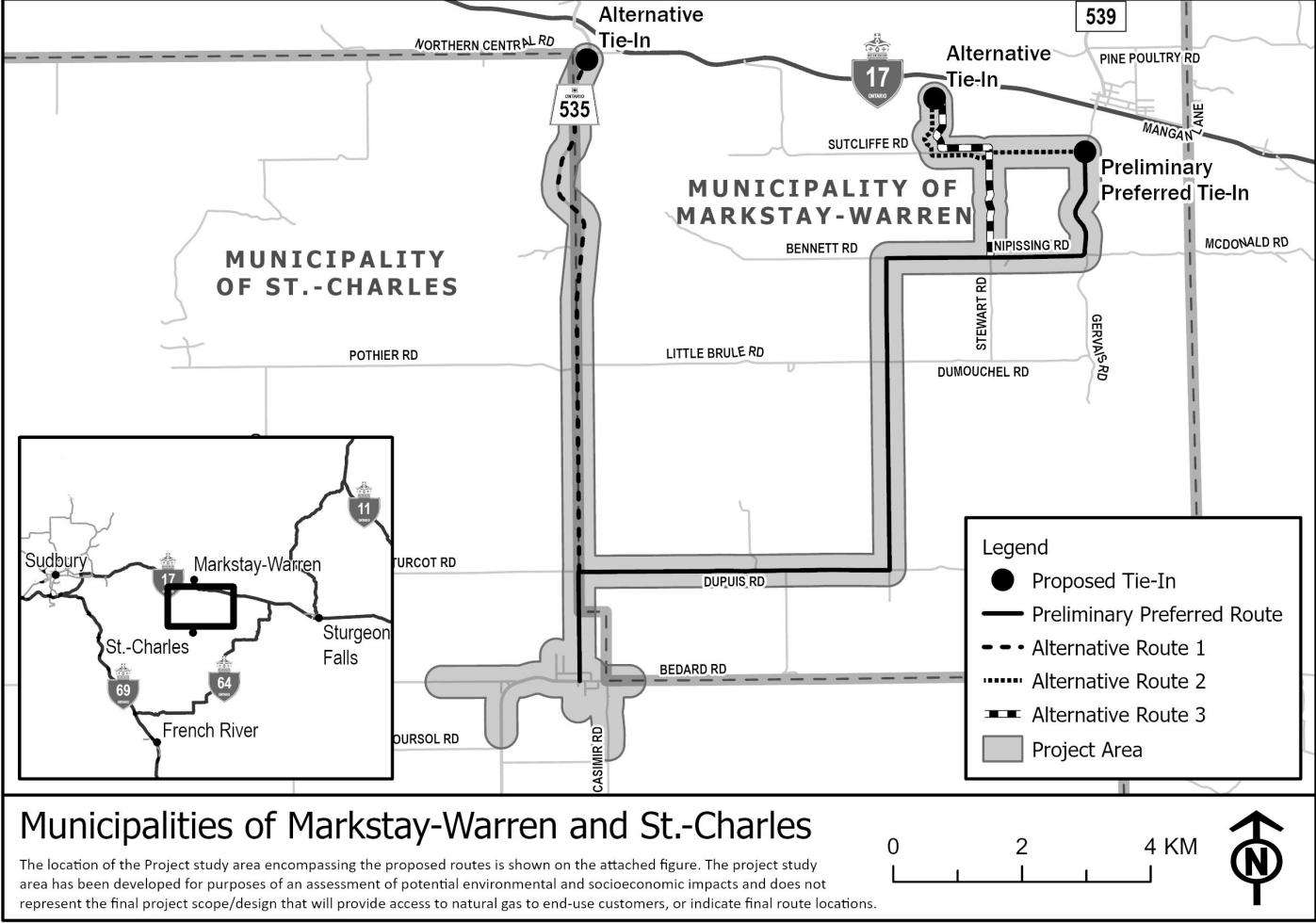
- Consult with Indigenous communities and engage with members of the public and regulatory authorities regarding the proposed Preliminary Preferred Route and Alternative Routes, potential impacts and proposed mitigations; and
- Provide an opportunity for these individuals, any affected landowners and the public to review the proposed Project and ask any questions and/or provide comments to representatives from Enbridge Gas and AECOM.



# St. Charles Community Expansion Project

## Project Distribution System

- The Study Area has been developed for the purpose of an assessment of potential environmental and socio-economic impacts.
- A Preliminary Preferred Route and three Alternative Routes have been considered at this time.
- This map does not necessarily represent the final Project scope/design that will provide access to natural gas to end-use customers.



# St. Charles Community Expansion Project



## Project Overview

The Project consists of the construction of approximately 21.6 kilometres of new natural gas distribution pipeline, ranging from 2 to 4 inches in diameter.

The Project's Preliminary Preferred Route includes:

- A tie-in into the existing Enbridge Gas system at Nipissing Road and Seguin Road and running south along Nipissing Road to Dupuis Road. From the Dupuis Road and Nipissing Road intersection, running west along Dupuis Road to Highway 535, and then south along Highway 535 to the community of St. Charles.



# St. Charles Community Expansion Project



## Project Overview (continued)

The Project's Alternate Routes include:

### Alternative Route 1:

- A tie-in into the existing Enbridge Gas system at Highway 535 and Northern Central Road and running south along Highway 535 to the community of St. Charles.

### Alternative Route 2:

- A tie-in into the existing Enbridge Gas system at an existing valve site, located north off of Sutcliffe Road (west of Stewart Road), running along the stations' access road, then eastward to Nipissing Road, then following the original Preliminary Preferred Route southward to the community of St. Charles.

### Alternative Route 3:

- A tie-in into the existing Enbridge Gas system at an existing valve site, located north off of Sutcliffe Road (west of Stewart Road), running south along the stations' access road, then eastward to Stewart Road, then west and south along Nipissing Road to Dupuis Road (following the original Preliminary Preferred Route southward to the community of St. Charles).

In all cases, a station is required at the tie-in point, to accommodate additional customers onto the distribution system. The Project will be mainly located within the municipal road right-of-way and may require easements, working space, and lay-down areas during construction.

# St. Charles Community Expansion Project



## Environmental Study Process

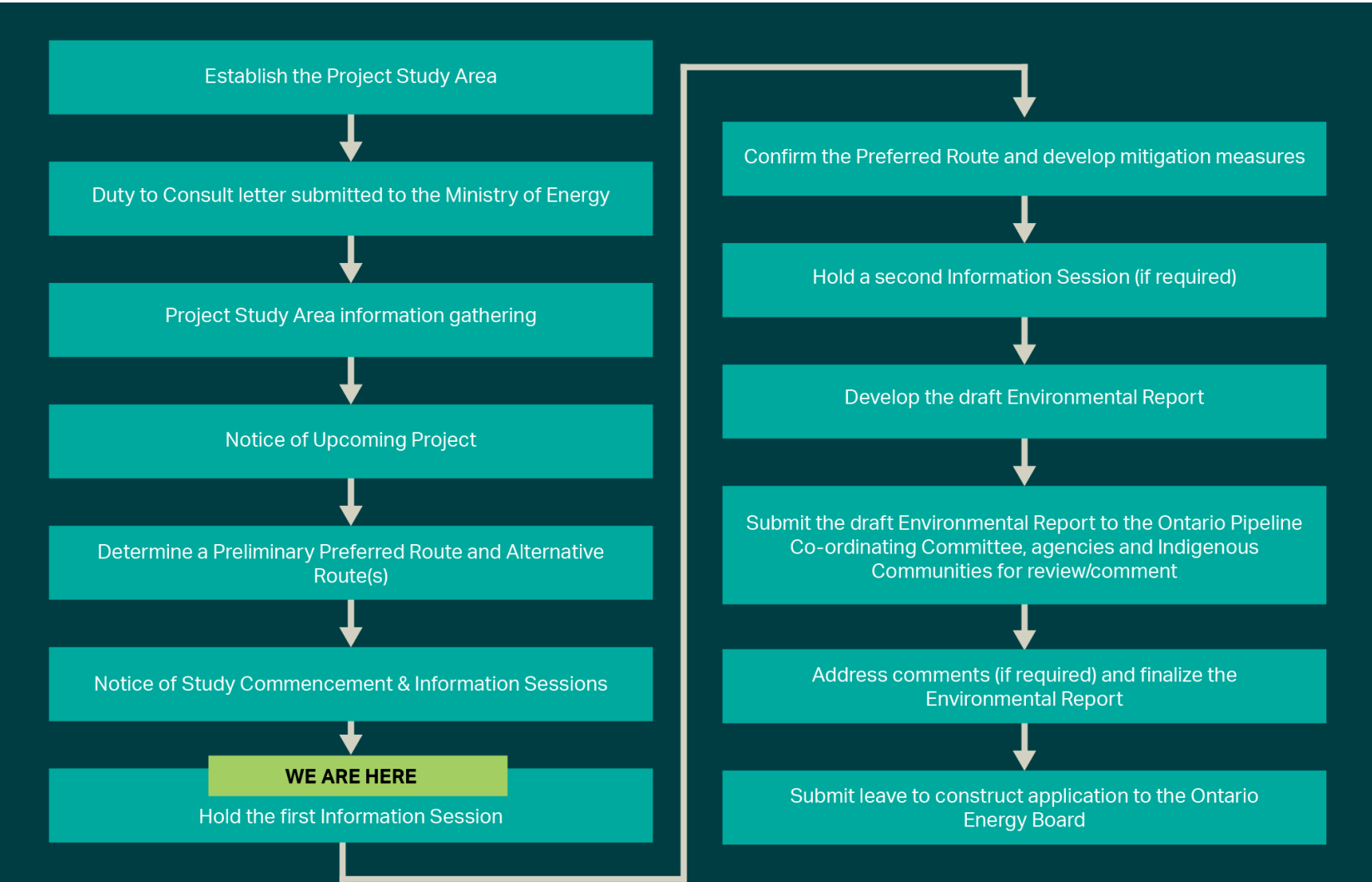
As part of the planning process, Enbridge Gas has retained AECOM Canada Ltd. (AECOM) to undertake an Environmental Study for the Project. The Environmental Study will fulfill the requirements of the Ontario Energy Board's "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Projects and Facilities in Ontario, 8th Edition (2023)*".

The study will:

- Undertake engagement to understand the views of interested and potentially affected parties;
- Consult with Indigenous communities to understand interests and potential impacts;
- Be conducted during the earliest phase of the Project;
- Identify potential impacts of the Project;
- Develop environmental mitigation objectives and protective measures to avoid or reduce potential impacts; and
- Develop an appropriate environmental inspection, monitoring, and follow-up program.

# St. Charles Community Expansion Project

## Environmental Study Process



*\*Consultation and responding to inquiries from Indigenous Communities, and interested and potentially affected stakeholders occurs throughout the study process.*

# St. Charles Community Expansion Project



## Ontario Energy Board Review and Approval Process

The Environmental Report for the study is scheduled to be completed in the Fall of 2024. Once complete, Enbridge Gas plans to file a Leave-to-Construct application for the Project with the Ontario Energy Board. The application to the Ontario Energy Board will include the following information on the Project:

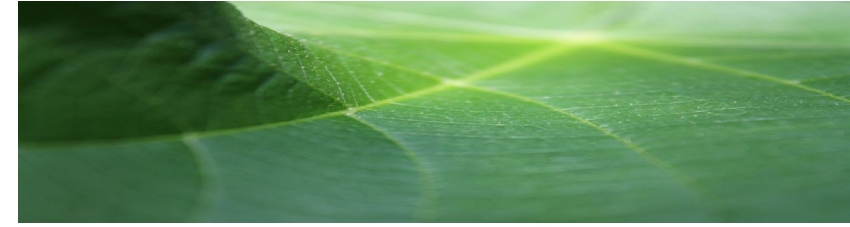
- The need for the Project;
- The Environmental Report;
- Project costs and economics;
- Pipeline design and construction;
- Land requirements; and
- A summary of consultation with Indigenous communities.

The Ontario Energy Board's review and approval are required before the proposed Project can proceed. If approved, construction could start as early as Q4 2025.

Additional information about the Ontario Energy Board process can be found online at: [www.oeb.ca](http://www.oeb.ca)

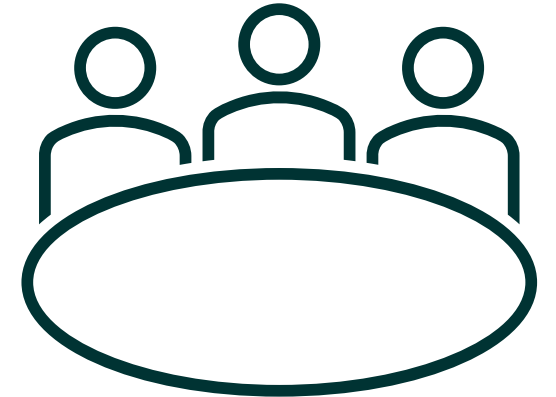


# St. Charles Community Expansion Project

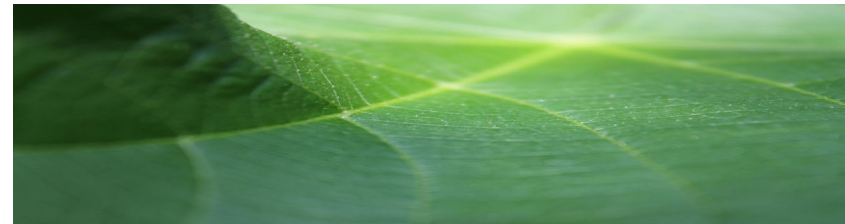


## Consultation and Engagement

- Consultation and engagement are key components of the Environmental Report.
- At the outset of the Project, Enbridge Gas submits a Project Description to the Ministry of Energy. Upon review, the Ministry of Energy determines potential impacts on Aboriginal or treaty rights and identifies Indigenous communities that Enbridge Gas should consult with during the entirety of the Project.
- The consultation and engagement program is intended to provide information about the Project to the stakeholders, help identify and address Indigenous community and stakeholder concerns and issues and allow for participation in the Project review and development process.
- Input during engagement and consultation will be used to help finalize the pipeline route and mitigation plans for the Project.
- Once the Leave-to-Construct application is made to the Ontario Energy Board, any party with an interest in the Project, including members of the public, can participate in the Ontario Energy Board hearing process.



# St. Charles Community Expansion Project



## Environment, Health and Safety Policy

### Our Commitment

- Enbridge Gas is committed to protecting the health and safety of all individuals affected by our activities.
- Enbridge Gas will provide a safe and healthy working environment and will not compromise the health and safety of any individual.
- Our goal is to have no incidents and mitigate impacts on the environment by working with our stakeholders, peers, and others to promote responsible environmental practices and continuous improvement.
- Enbridge Gas is committed to environmental protection and stewardship and recognizes that pollution prevention, biodiversity, and resource conservation are key to a sustainable environment.
- All employees are responsible and accountable for contributing to a safe working environment, for fostering safe working attitudes, and for operating in an environmentally responsible manner.



**AECOM's commitment**

- "Safety for Life" defines AECOM's commitment to achieving zero work-related injuries and / or illnesses; preventing damage to property and the environment; and maintaining an environmentally friendly and sustainable workplace.
- AECOM has adopted "Life Preserving Principles" to help demonstrate the commitment of AECOM's Safety for Life program.



# St. Charles Community Expansion Project



## Access and Land Requirements

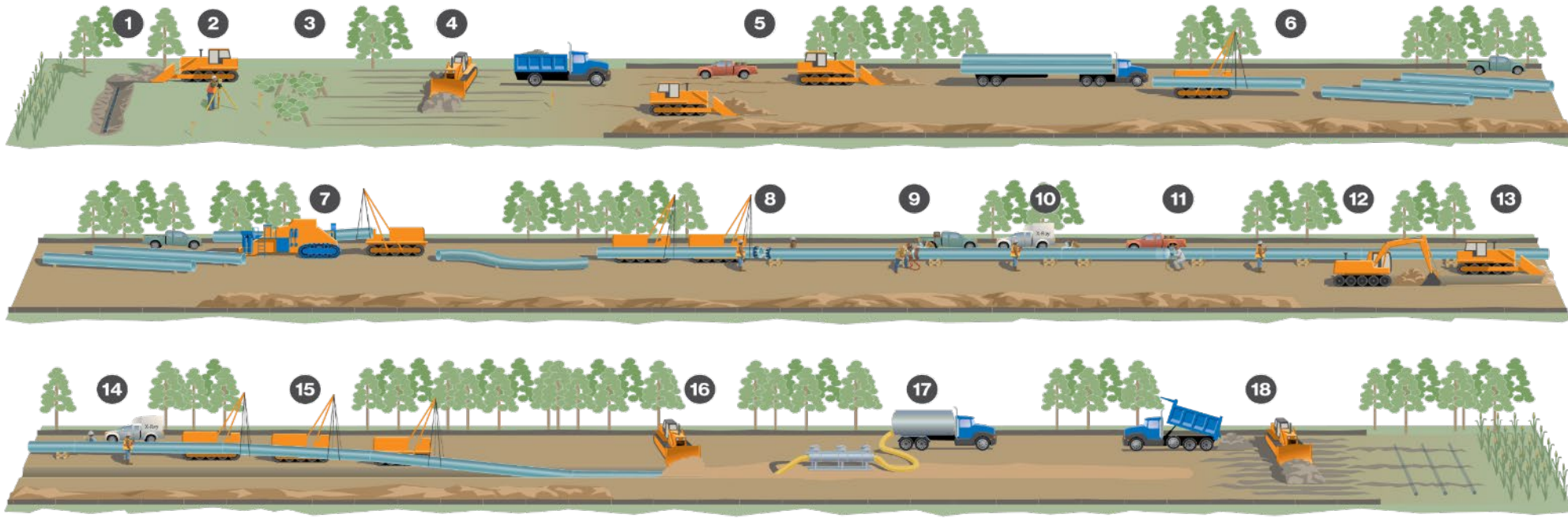
While most of the pipeline route will be constructed within municipal road right-of-way, some circumstances requiring access agreements, permanent easement or temporary working space during construction could result in the need for access to additional land outside of the road right-of-way.

Enbridge Gas has a comprehensive Landowner Relations Program that uses a dedicated Land Advisor who's role is to:

- Provide a direct contact and liaison between landowners and Enbridge Gas;
- Be available to the landowner during the length of the Project and throughout construction activities;
- Act as a singular point of contact for all landowners, and address concerns and questions; and
- Address any legal matters relating to the temporary use of property, access agreements, permanent easements, and impacts or remedies to property.

# St. Charles Community Expansion Project

## Constructing an Enbridge Gas Pipeline



- 1. Pre-construction tiling
- 2. Surveying and staking
- 3. Clearing
- 4. Right-of-way topsoil stripping
- 5. Front-end grading
- 6. Stringing pipe
- 7. Field bending pipe
- 8. Lining-up pipe
- 9. Welding process
- 10. X-ray or ultrasonic inspection, weld repair
- 11. Field coating
- 12. Digging the trench
- 13. Padding trench bottom
- 14. Final inspection and coating repair
- 15. Lowering pipe
- 16. Backfilling
- 17. Hydrostatic testing
- 18. Site restoration and post-construction tiling



*Note: The construction infographic is specifically for open-cut steel pipe installation and serves for reference purposes only.*





# St. Charles Community Expansion Project



## Constructing an Enbridge Gas Pipeline (continued)

The pipeline construction process includes various procedures, as described in the previous slide.

- **Photo 1:** Shows a typical Enbridge Gas natural gas pipeline. The **St. Charles Community Expansion Project** will involve the installation of a pipeline ranging from **2 to 4** inches.
- **Photo 2:** Represents an example open-cut trench that is created during the installation process.
- **Photo 3:** Represents the process of backfilling a trench.
- **Photo 4:** Represents final clean-up and restoration. Once the pipeline has been installed, clean-up will involve the restoration of the right-of-way and other work areas.



# St. Charles Community Expansion Project



## Horizontal Directional Drilling Procedures

Horizontal Directional Drilling is the planned method of construction for watercourse crossings and would mitigate potential disruptions to a waterbody.

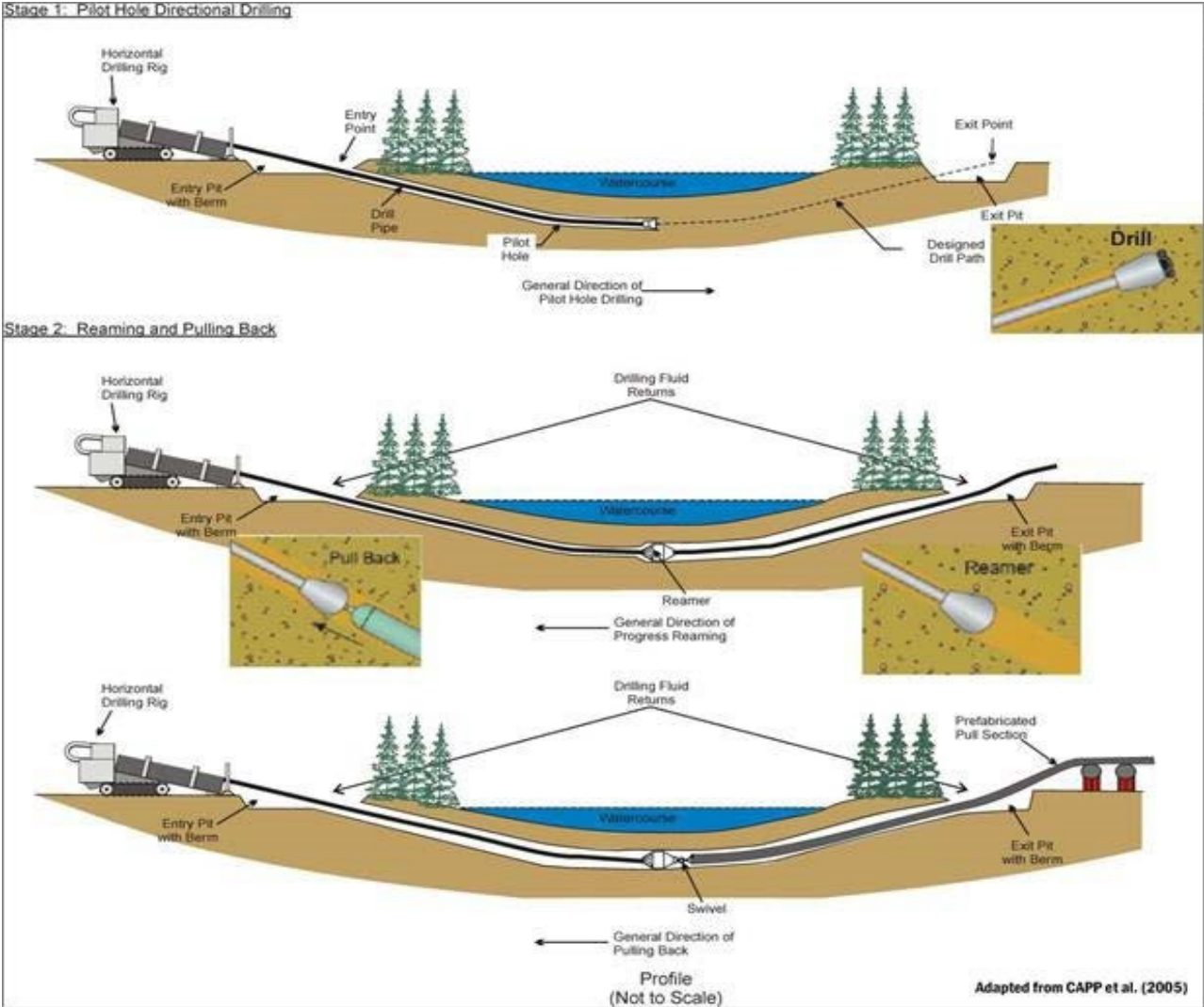
- A geotechnical assessment and/or enhanced design will be completed by a qualified engineering service with expertise in Horizontal Directional Drilling technology and practices, as needed. The geotechnical assessment and enhanced designs will mitigate potential disruption by identifying favourable ground conditions and determining an appropriate Horizontal Directional Drilling depth.
- Required permits will be determined and documented in the Environmental Report for the Project and obtained from the required regulatory authorities.

Mitigation measures for watercourse crossings typically include:

- Obtaining and abiding by all required permits and approvals and their associated conditions;
- Limiting in-water works, where possible, and conforming to fishery timing windows;
- Preparing and following a Horizontal Directional Drilling contingency plan; and
- Conducting regular monitoring of the watercourse during drilling activities.

# St. Charles Community Expansion Project

## Horizontal Directional Drilling Procedures



# St. Charles Community Expansion Project



## Pipeline Design

The pipeline is designed to meet and/or exceed the regulations of the Canadian Standards Association (Z662 Oil and Gas Pipeline Systems) and the applicable regulations of the Technical Standards and Safety Association.

### **Pipeline safety and integrity**

Enbridge Gas takes many steps to ensure the safe, reliable operation of our network of natural gas pipelines, including:

- Designing, constructing and testing our pipelines to meet or exceed requirements set by industry standards and regulatory authorities;
- Continuous monitoring of the entire network; and
- Performing regular field surveys to detect leaks and confirm that corrosion prevention methods are working as intended.

# St. Charles Community Expansion Project



## Socio-economic Features

The Project will mainly be constructed on the existing municipal road right-of-way adjacent lands.

### Potential Effects

- Temporary increases in noise, dust and air emissions.
- Increased construction traffic volumes.
- Temporary impairment of the use of residential and/or commercial property.
- Ornamental vegetation clearing along the pipeline route.

### Example Mitigation Measures

- Provide access across the construction area.
- Restrict construction to daylight hours and adhere to applicable noise by-laws.
- Develop and implement a Traffic Control Plan.
- Place fencing at appropriate locations for safety.
- Making contact information for a designated Enbridge Gas representative available prior to and throughout construction.
- Implement dust control measures.
- Re-vegetation of cleared ornamental vegetation areas as needed (including seeding/planting).

# St. Charles Community Expansion Project



## Cultural Heritage Resources

During construction, cultural heritage features such as archaeological finds, and heritage buildings, fences, and landscapes may be encountered.

Detailed field surveys will be conducted by independent, third-party archaeologists and cultural heritage professionals prior to construction.

### Potential Effects

- Damage or destruction of archaeological or historical resources.

### Example Mitigation Measures

- Archaeological assessment of the construction footprint, with review and acceptance from the Ministry of Citizenship and Multiculturalism.
- Cultural heritage assessment (for built heritage features and cultural heritage landscapes) of the construction right-of-way, with review and comment from the Ministry of Citizenship and Multiculturalism.
- Stop work and reporting of any previously unknown archaeological or historical resources uncovered or suspected of being uncovered during excavation.

# St. Charles Community Expansion Project



## Aquatic Resources

Enbridge Gas understands the importance of protecting watercourses, wetlands, and associated wildlife during construction and therefore will implement recognized mitigation measures to reduce possible environmental effects.

### Potential Effects

- Disruption and alteration to aquatic species and habitat and/or nuisance effects.
- Increased erosion, sedimentation, and turbidity resulting from removal of vegetation.

### Example Mitigation Measures

- Install erosion and sediment control measures.
- Obtain all agency permits and approvals.
- Conform to fish timing window guidelines.
- Horizontal Directional Drill and/or trenchless drill within or near environmentally sensitive features (for example watercourses, wetlands, etcetera).
- For in-channel construction, protect aquatic species through methods such as flow diversion/dewatering, fish rescue planning and management of sedimentation and turbidity.
- Restore and seed disturbed areas to establish habitat and reduce erosion.
- Replant vegetation along waterways.

# St. Charles Community Expansion Project



## Terrestrial Resources

During construction, natural environment features such as wildlife habitat and vegetated/wooded areas may need to be crossed.

### Potential Effects

- Damage or removal of vegetation and wildlife habitat in the construction area.
- Disturbance and/or mortality to local wildlife.

### Example Mitigation Measures

- Conduct surveys (including Species at Risk surveys) in advance of construction to determine opportunities for wildlife habitat to exist.
- Complete tree removal outside of migratory bird windows (typically from April 1 – August 31), to the extent possible.
- Clearly mark the construction area to avoid accidental damage.
- Restore and seed disturbed areas to establish habitat and reduce erosion, if required.
- Secure any necessary permits and follow any conditions of approval.

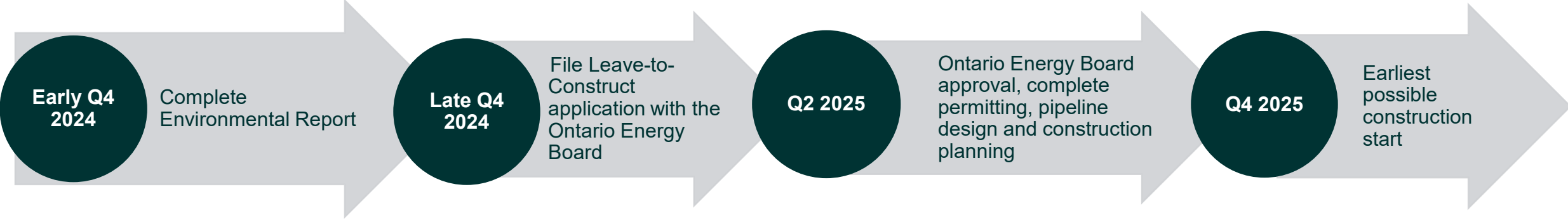


# St. Charles Community Expansion Project



## Next Steps

After this Information Session, Enbridge Gas intends to pursue the following anticipated schedule of activities:



# St. Charles Community Expansion Project



Thank you!

On behalf of the Project Team, thank you for attending this public information session. Please complete a Questionnaire by **July 27, 2024**, for your comments to be considered as part of the Environmental Report.

**Jordan Witt**

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Impact Assessment & Permitting

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For more information about the proposed Project, please visit the Enbridge Gas project website at:  
<https://www.enbridgegas.com/residential/new-customers/community-expansion/st-charles>

