

Proposed Watford Pipeline Project

Virtual Public Information Session #2

March 6, 2023 to March 19, 2023



Welcome

This Virtual Public Information Session will be live for two weeks from **Monday, March 6, 2023 to Sunday, March 19, 2023.**

- You can provide your input on the Watford Pipeline Project by completing the comment form available on the Virtual Public Information Session website at www.WatfordPipelineProject.ca. Please submit your comments by April 5, 2023.
- After Sunday, March 19, 2023, this presentation, accompanying video transcript, and the comment form will be available for download on the Enbridge Gas website at <http://www.enbridgegas.com/WatfordPipeline>.
- An in-person Public Information Session will be held at the Watford Arena on the evening of March 7, 2023 from 5 pm to 8 pm. If you would like to meet members of the project team in person to discuss the project, please stop by, we would love to see you!

Enbridge Gas' Commitment

Enbridge Gas provides safe and reliable delivery of natural gas to more than 3.8 million residential, commercial, and industrial customers across Ontario.



Enbridge Gas will carefully consider all input.

It is committed to involving community members and will provide up-to-date information in an open, honest, and respectful manner.



Enbridge Gas is committed to environmental stewardship and conducts all of its operations in an environmentally responsible manner.



Enbridge Gas' Environment, Health and Safety Policies



Enbridge Gas is committed to protecting the health and safety of all individuals affected by its activities.

Enbridge Gas will provide a safe and healthy working environment and will not compromise the health and safety of any individual.

Its goal is to have no workplace incidents and to mitigate, to the extent feasible, its impacts on the environment. To achieve this goal, Enbridge Gas will work with its consultants and contractors, stakeholders, peers, and others to promote responsible environmental practices and continuous improvement.

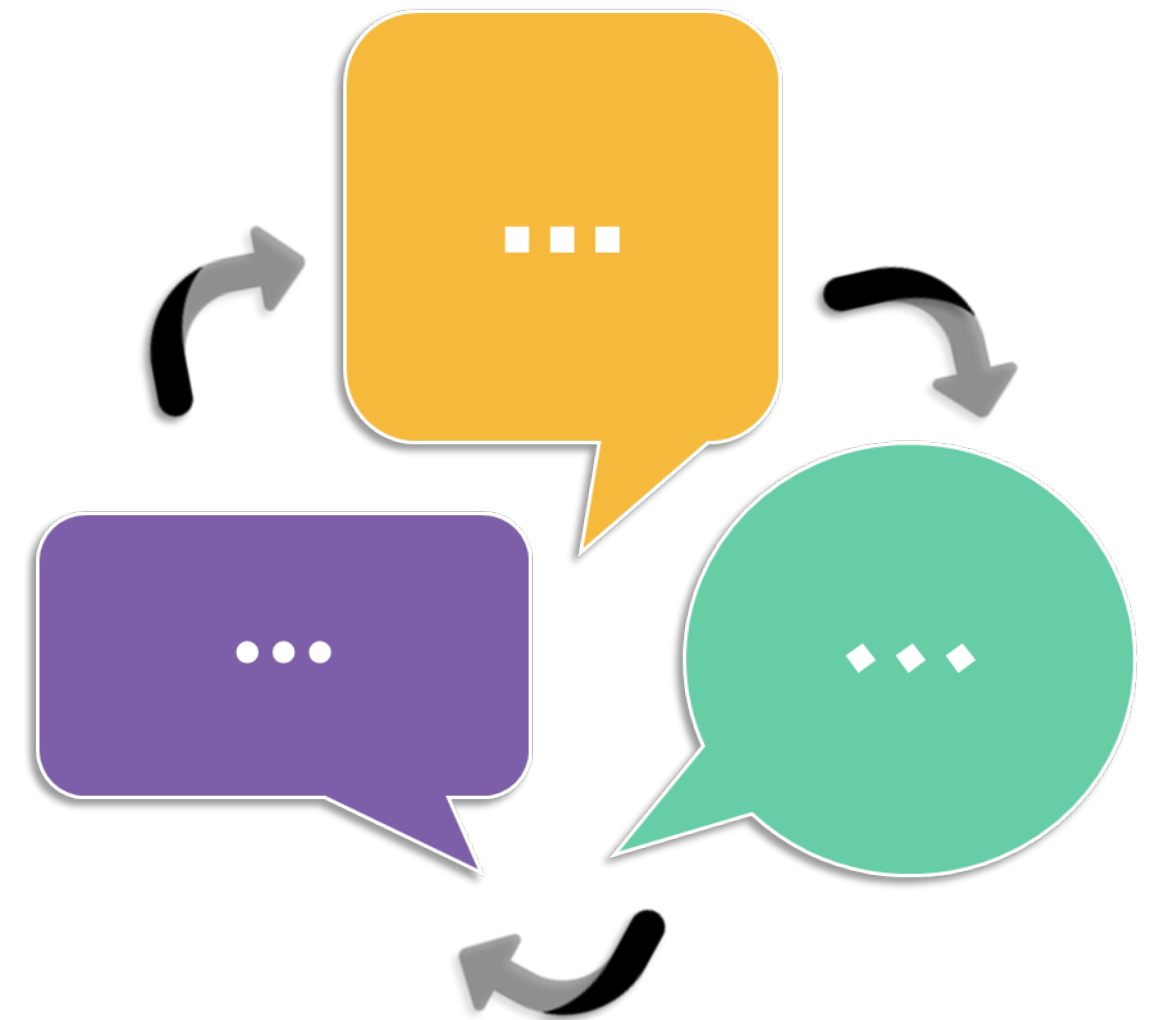


Enbridge Gas is committed to environmental protection and stewardship, and recognizes that pollution prevention, biodiversity, and resource conservation are key to a sustainable environment.

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.

Purpose of the Public Information Session

- Provide information on the purpose of the project and illustrate the Preliminary Preferred Route, Alternative Route A, and the new Alternative Route B.
- Inform landowners, Indigenous communities, municipalities, stakeholders, and regulatory authorities about the project and gather feedback about the pipeline routes
- Give everyone the chance to participate during the process of completing the Environmental Report, which will be included in the application to the Ontario Energy Board (OEB)
- Provide an opportunity to identify any unknown constraints and review draft plans to mitigate impacts to the local community and the environment
- Create a space for you to ask questions and/or provide comments to Enbridge Gas or Dillon Consulting



Consultation Approach



We are committed to a comprehensive consultation process and want to hear from you about this project.

Our consultation approach is:

- **Inclusive:** reaching out to all who may be interested or affected and providing opportunities to become informed and get involved.
- **Transparent:** providing access to information and clear explanations for decisions.
- **Accountable:** explaining how your input will be used in the decision-making process.

An important part of the consultation process is working with stakeholders to identify and resolve potential project-related issues and concerns.

Enbridge Indigenous Peoples Policy: Introduction

- Enbridge Gas follows the Enbridge Inc. (Enbridge) Indigenous Peoples Policy.
- Enbridge Gas recognizes the diversity of Indigenous Peoples who live where the company works and operates. They understand from history the destructive impacts on the social and economic wellbeing of Indigenous Peoples. Enbridge Gas recognizes and realizes the importance of reconciliation between Indigenous communities and the broader society. Positive relationships with Indigenous Peoples, based on mutual respect and focused on achieving common goals, will create positive outcomes from Indigenous communities.
- Enbridge Gas commits to pursue sustainable relationships with Indigenous Nations and groups in proximity to where Enbridge conducts business. To achieve this, Enbridge Gas will govern itself by the principles on the next slide.

Enbridge Indigenous Peoples Policy: Principles

Recognize

Enbridge **recognizes** the legal and constitutional rights of Indigenous Peoples, and the importance of the relationships between Indigenous Peoples and their traditional lands and resources. They commit to working with Indigenous communities in a manner that recognizes and respects those legal and constitutional rights and the traditional lands and resources to which they apply. Enbridge commits to ensuring that Enbridge projects and operations are carried out in an environmentally responsible manner.

Understand

Enbridge **understands** the importance of the United Nations Declaration of 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.

Engage

Enbridge **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.

Commit

Enbridge **commits** to working with Indigenous Peoples to achieve benefits for them resulting from Enbridge's projects and operations, including opportunities in training and education, employment, procurement, business development, and community development.

Foster

Enbridge **fosters** an understanding of the history and culture of Indigenous Peoples among their employees and contractors, in order to create better relationships between Enbridge and Indigenous communities.

Enbridge Indigenous Peoples Policy: Commitment

The commitment is a shared responsibility involving Enbridge and its affiliates, employees and contractors. They will conduct business in a manner that reflects the principles listed on the previous slide. Enbridge will provide ongoing leadership and resources to effectively implement the principles, including the development of implementation strategies and specific action plans. Enbridge commits to periodically review this policy so that it remains relevant and respects Indigenous culture and varied traditions.

Regulatory Framework

For the project to proceed, approval from the OEB is required. The OEB requires that Enbridge Gas complete an environmental assessment and route selection study.



Role of the Ontario Energy Board

- Reviews the Environmental Report (including details of consultation) as part of the application, known as the “Leave-to-Construct” Application.
- Once the Leave-to-Construct (LTC) Application is submitted to the OEB, any party with an interest in the project may apply to the OEB to become intervenors or interested parties.
- Provides a public forum during the review of the LTC Application for people to participate in the decision-making process.
- Determines whether a proposed pipeline is in the public interest.

Environmental Study Process

As part of the planning process, Enbridge Gas has retained Dillon Consulting to undertake an Environmental Study for the project. The Study will fulfill the requirements of the OEB's Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition.

The Study will be conducted during the earliest phase of the planning process. As part of the Study, Enbridge Gas and Dillon Consulting will:

- Undertake engagement to understand the views of interested and potentially affected parties
- Consult and engage with Indigenous communities to understand interests and potential impacts
- Identify potential impacts of the project
- Develop environmental mitigation and protective measures to avoid or reduce potential impacts
- Develop an appropriate environmental inspection, monitoring, and follow-up program

Project Overview

The project will involve the construction of a new injection station and approximately 15 to 20 km of 4-inch or 6-inch steel pipeline in the Township of Warwick and Municipality of Brooke-Alvinston in Lambton County.

Enbridge Gas has identified a Preliminary Preferred Route and an Alternative Route (A) that would tie into the existing Enbridge Gas Watford Transmission Station on Nauvoo Road. A second Alternative Route (B) was identified through stakeholder consultation and would tie into an existing Enbridge Gas valve site on Hardy Creek Road.



Did you know?

Renewable Natural Gas (RNG) is a carbon-neutral fuel that can help fight climate change.

Created by capturing methane emissions from organic waste, landfills and wastewater treatment plants, RNG will play an important role in Ontario's clean energy future. RNG can be used to fuel transit fleets, power industry and heat homes and businesses, and is an effective solution to help companies and communities reduce greenhouse gas (GHG) emissions.

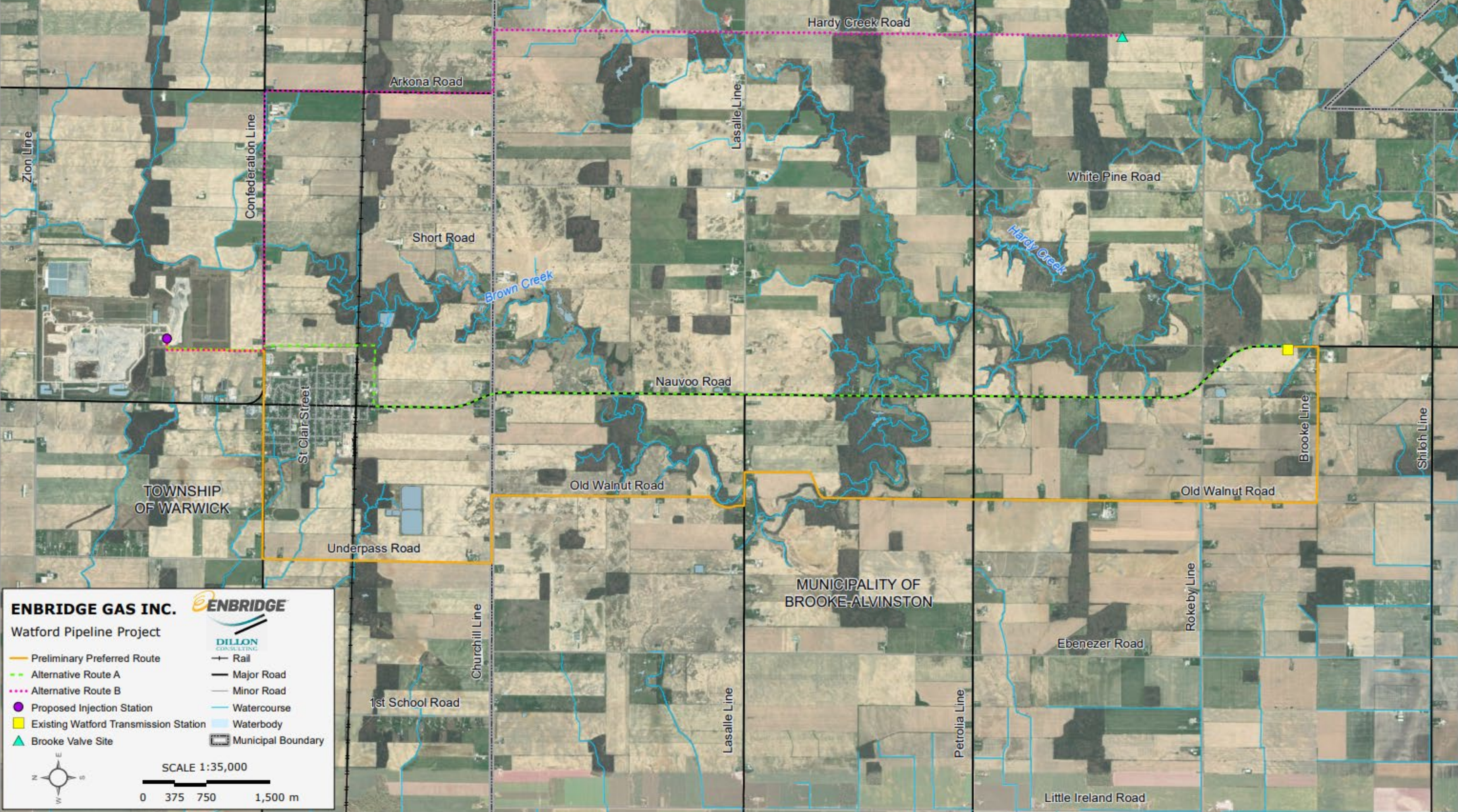



Background on the Project and New Alternative Route

- The Environmental Study for the project commenced October 2022 and, as part of the Study, in-person and virtual public information sessions were held in early December 2022 to facilitate consultation and engagement with Indigenous communities, agencies, stakeholders, affected landowners, and the public.



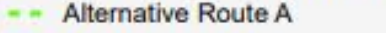

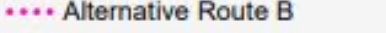
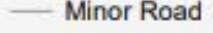

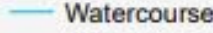

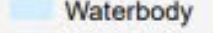


- During the public information sessions, the Preliminary Preferred Route and Alternative Route (A) identified by Enbridge Gas were presented for discussion. Through the course of the information sessions, another potential alternative route (Alternative Route B) was suggested that Enbridge Gas had not previously considered.


- Enbridge Gas assessed the technical and economic feasibility of the suggested alternative route (Alternative Route B) and requested that Dillon Consulting assess this route in the Study. The current public information sessions are being conducted to provide an opportunity for consultation and engagement on Alternative Route B.

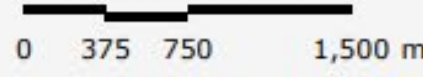


ENBRIDGE GAS INC. 

Watford Pipeline Project

 Preliminary Preferred Route	 Rail
 Alternative Route A	 Major Road
 Alternative Route B	 Minor Road
 Proposed Injection Station	 Watercourse
 Existing Watford Transmission Station	 Waterbody
 Brooke Valve Site	 Municipal Boundary

 SCALE 1:35,000

 0 375 750 1,500 m

Natural Environment: Overview

Preliminary field investigations, including preliminary Ecological Land Classification (ELC), were conducted from the municipal road allowance by two Dillon biologists to identify and assess existing natural features, including potential terrestrial and aquatic habitat, along the potential pipeline routes. The Preliminary Preferred Route and Alternative Route A were investigated on October 11 & 12, 2022. Alternative Route B was investigated on February 10, 2023.

The results of the preliminary ELC surveys determined lands in the Study Area are primarily classified as ‘constructed’ or ‘cultural’ communities; however, many natural communities also occur adjacent to the proposed pipeline routes.

Cultural communities most common within the Study Area include residential properties, coniferous and deciduous plantations, and active agricultural fields, such as annual row crops.

Natural communities encountered within the Study Area are diverse in habitat type, and include deciduous forest, forb meadow, and deciduous swamp.



Natural Environment: Species at Risk (SAR)

Based on a review of existing records, 17 SAR have the potential to occur within the project Study Area. Consideration of potential SAR/SAR habitat that may be present in the Study Area was determined based on the general habitat requirements of the species and the ELC communities identified during the preliminary field investigations conducted in October 2022 and February 2023.



Blanding's Turtle



Mottled Duskywing



Eastern Foxsnake



Yellow-breasted Chat



Eastern Flowering Dogwood



Eastern Hognose Snake



Red Headed Woodpecker

The Ministry of Environment, Conservation and Parks will be consulted during detailed design to determine whether species-specific surveys are required to support potential permitting and/or approvals under the Endangered Species Act, 2007.

Natural Environment: Potential Effects and Mitigation Measures

Examples of Potential Effects

- Temporary loss or alteration of vegetation during construction.
- Temporary alteration of wildlife habitat and/or disruption of wildlife movement during construction.
- Temporary alteration of SAR habitat and/or disruption of SAR movement during construction.

Examples of Mitigation Measures

- Minimize the width of the construction area to reduce the amount of vegetation affected.
- Flag or fence off environmentally sensitive areas prior to construction.
- Document wildlife and SAR encounters and notify appropriate regulatory authorities, where required.
- Provide SAR identification sheets to workers that outline habitat, identifying characteristics and mitigation measures.

Socio-Economic Environment: Overview

- The project Study Area is largely agricultural and rural residential in nature with some industrial land use.
- Statistics shared by the Sarnia-Lambton Economic Partnership indicate that, in 2022, the leading industries in Lambton County are health care and social assistance, manufacturing, retail trade, and construction.
- The leading industries in Warwick are agriculture, forestry, fishing and hunting, health care and social assistance, construction, and retail trade. Similarly, the leading industries in Brooke-Alvinston are agriculture, forestry, fishing and hunting, manufacturing, health care and social assistance, and construction.



The sustainable energy sector in Lambton County consists of wind, solar and biofuel production, as well as research facilities. According to the 2019 Warwick Residential and Business Opportunity Study, Warwick is well-positioned to capitalize on current provincial legislation designed to stimulate growth in renewable energy use and technology, such as biofuel and biomass projects.

Socio-Economic Environment: Potential Effects and Mitigation Measures

Examples of Potential Effects

- Temporary increase in nuisance noise during construction.
- Temporary traffic disruptions during construction.
- Temporary increase in wastes during construction.

Examples of Mitigation Measures

- Construction activities will be carried out in compliance with municipal noise by-laws with respect to noise and construction equipment usage. Applicable noise by-law exemptions will be sought if construction activities cannot be avoided on Statutory Holidays, Sundays or at night. (Note that typical construction days and times are Monday to Saturday, 7 o'clock in the morning to 5 o'clock in the afternoon).
- Traffic access will be maintained, where possible, during construction. Good management and best practices will be implemented during construction to minimize traffic disruption. If required, temporary detour routes will be provided to reduce potential impacts to commuters.
- Solid waste will be collected and disposed of appropriately in accordance with applicable regulations at a licensed waste facility.

Cultural Heritage Resources: Archaeology

- A Stage 1 Archaeological Assessment is currently being completed for the project.
- Few previous archaeological assessments have occurred in the project area.
- The desktop review has identified a number of archaeological sites along the Preliminary Preferred Route and Alternative Routes (A&B), with the majority of sites identified west of the landfill in Watford. Sites in the area range from Middle Archaic (6000 to 2500 before the common era) to Late Woodland (900 to 1650 common era) and 19th century sites.
- A desktop review of Alternative Route B is currently underway and the results of the review and any planned fieldwork will be presented in the Stage 1 Archeological Assessment that will be appended to the Environmental Report. Based on the results of the preliminary desktop review, one archeological site was identified within 50 meters of Alternative Route B along Confederation Line.
- Stage 2 assessment will likely be required for any areas outside the municipal road right-of-way. Exact locations for Stage 2 assessment will be confirmed once detailed design of the pipeline is complete.



Cultural Heritage Resources: Built Heritage and Cultural Heritage Landscapes

A Cultural Heritage Screening conducted for the project identified properties of possible Cultural Heritage Value or Interest along both the Preliminary Preferred Route and Alternative Routes (A & B).

A Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment will be completed once the Preferred Route is selected.

The results of the high-level Cultural Heritage Screening found the following:

- A number of late 19th and 20th century residential/commercial properties with structures over 40 years old.
- Other possible notable features include:
 - Various bridges
 - Hardy Creek and Brown Creek
 - Watford Cemetery Cairn: adjacent to the Preliminary Preferred Route
 - Watford Municipal Cemetery: while not within the 250 m Study Area, the cemetery is adjacent to the customer site
 - Mount Carmel Cemetery: while not within the 250 m Study Area, the cemetery is in close proximity
- There are no known municipal, provincial, or federally-listed or designated heritage properties within the Study Area.
- There were no additional cemeteries or other properties/landscapes of heritage interest identified during the high-level review.

Pipeline Design, Construction and Safety

Pipeline Design



- The proposed 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 Authority (TSSA).
- New natural gas connections will not be offered to properties along the proposed pipeline, mainly due to the intermittent nature of the gas supplying this pipeline.

Pipeline Construction



- The construction work is temporary and transitory: once the pipe is laid, the area will be restored to as close to pre-construction condition as possible.

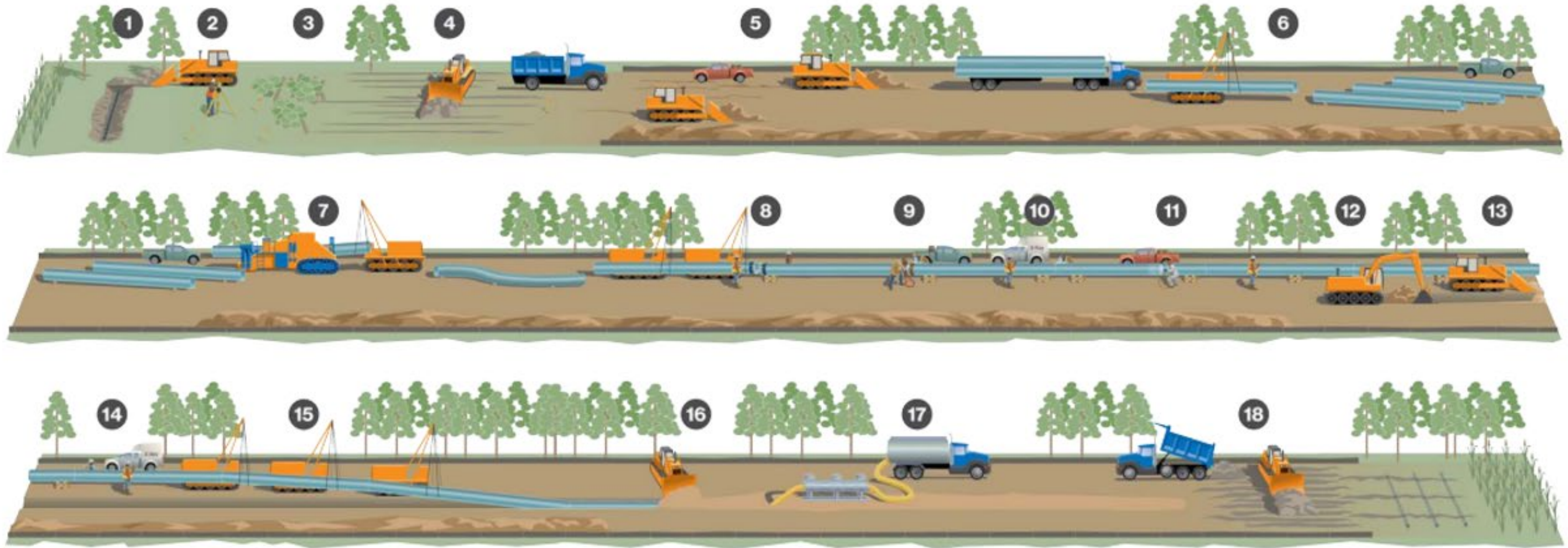
Pipeline Safety



Enbridge Gas takes many steps to safely and reliably operate their network of natural gas pipelines, such as:

- Designing, constructing, and testing their pipelines to meet or exceed requirements set by industry standards and regulatory authorities.
- Ensuring that any work is respectful of community activities, regulations and bylaws.
- Continuously monitoring their network.
- Performing field surveys to detect leaks and confirm that corrosion prevention methods are working as intended.

General Construction Overview



Step 1: Pre-construction tiling;
Step 2: Surveying and staking;
Step 3: Clearing;
Step 4: Right-of-way topsoil stripping;

Step 5: Front-end grading;
Step 6: Stringing pipe;
Step 7: Field bending pipe;
Step 8: Lining-up pipe;

Step 9: Welding process;
Step 10: X-ray or ultrasonic inspection, weld repair;
Step 11: Field coating;
Step 12: Digging the trench;

Step 13: Padding trench bottom;
Step 14: Final inspection and coating repair;
Step 15: Lowering pipe;
Step 16: Backfilling;

Step 17: Hydrostatic testing; and
Step 18: Site restoration and post-construction tiling.

Mitigation and Monitoring



Enbridge Gas is committed to working with the community on construction planning, mitigation, and post-construction monitoring. Post-construction monitoring will be conducted so that impacted areas are restored to as close to pre-construction conditions as possible.

Enbridge Gas recognizes that the construction of the pipeline may result in short-term adverse impacts and they commit to applying mitigation measures to reduce these impacts and work with affected municipalities and landowners so that issues are resolved in a timely manner.

Environmental Assessment Process and Project Schedule

Date	Activity
October 2022 to April 2023	Baseline Data Collection and Desktop Review
November 21, 2022	Notice of Study Commencement
December 6 to 19, 2022	Virtual Public Information Session #1
December 6, 2022 (5 pm to 8 pm)	In-Person Public Information Session #1 (Watford Arena)
February 21, 2023	Notice of Project Change
March 6 to 19, 2023	Virtual Public Information Session #2 (We are here)
March 7, 2023 (5 pm to 8 pm)	In-Person Public Information Session #2 (Watford Arena)
November 2022 to March 2023	Conduct Routing Analysis and Identify Potential Effects and Mitigation Measures for Preferred Route
March to April 2023	Effects Assessment and Cumulative Effects Assessment
April to June 2023	Environmental Report submitted to Ontario Pipeline Coordinating Committee for 42-day Review Period
June 2023	Anticipated date for Leave-to-Construct Application submission to the OEB
April 2024	Tentative Construction Start Date (pending OEB approval)
December 2024	Potential Construction Completion Date

Continuous Stakeholder Engagement

Enbridge Gas is committed to open dialogue throughout the environmental assessment and the OEB Leave-to-Construct Application process. Stakeholders will have the opportunity to remain engaged in the process after the environmental assessment is completed, through:

- Participation in the Ontario Energy Board hearing as an intervenor or interested party (details can be found at www.oeb.ca)
- Contacting project team members (project contact information provided on next slide)
- Visiting the Enbridge Gas project website at www.enbridgegas.com/WatfordPipeline



Thank you for participating in our
Virtual Public Information Session!

- We want to hear from you! Please complete the project comment form on the Virtual Public Information Session website at www.WatfordPipelineProject.ca.
- After Sunday, March 19, 2023, this presentation, accompanying video transcript, and the comment form will be available for download on the Enbridge Gas website at www.enbridgegas.com/WatfordPipeline.
- Please submit your feedback by **Wednesday, April 5, 2023** so it can be considered in the Environmental Report that will be submitted to the Ontario Energy Board.

Project Contact Information:

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Phone: 416-229-4646, ext. 2048

Stay Informed