

# Proposed Ridge Landfill Renewable Natural Gas (RNG) Project

Virtual Information Session

April 25, 2022 – May 8, 2022



# Welcome!

This Virtual Information Session will be live for 2 weeks from Monday, April 25, 2022 – Sunday, May 8, 2022.



You can provide your input on the Ridge Landfill RNG Project by completing the questionnaire available on the Virtual Information Session website at [www.RidgeRNG.ca](http://www.RidgeRNG.ca). Please submit your comments by **May 24, 2022**.



After Sunday, May 8, 2022, this presentation, accompanying video transcript, and the questionnaire will be available for download on the Enbridge Gas website at [www.enbridgegas.com/RidgeRNG](http://www.enbridgegas.com/RidgeRNG).

# 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. They are 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.



# Purpose of the Virtual Information Session

- ✓ Provide information on the project purpose and illustrate the preliminary preferred route and alternative routes
- ✓ Provide a safe alternative to an in-person meeting
- ✓ Inform landowners, Indigenous communities, municipalities, stakeholders, and regulatory authorities about the Ridge Landfill RNG Project and gather feedback about the assessment of the pipeline routes
- ✓ Give everyone the chance to participate during the process of completing the Environmental Report, which will be included in the Ontario Energy Board application
- ✓ 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



# 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.

As an important part of the consultation process, we will work with all stakeholders to identify and resolve potential project-related issues.

# Enbridge Gas' Indigenous Peoples Policy

Enbridge Gas recognizes the diversity of Indigenous Peoples who live where they work and operate. 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 Gas conducts business. To achieve this, Enbridge Gas will govern itself by the following principles.

Enbridge Gas **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 Gas commits to ensuring that Enbridge Gas projects and operations are carried out in an environmentally responsible manner.

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 **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.



Enbridge Gas **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.

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.

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.

# Project Overview

To reduce greenhouse gas (GHG) emissions and help Ontario reach its 2030 climate change goals, Enbridge Gas and Waste Connections of Canada are proposing to create a brand new renewable natural gas (RNG) facility at the Ridge Landfill in Chatham-Kent, Ontario.



The proposed facility will capture landfill gas generated by decomposing waste and transform it into renewable natural gas (RNG). The project is expected to reduce emissions by 110,000 tonnes of GHGs per year. This is enough to heat over 18,000 Ontario homes every year or about 40% of the homes in Chatham-Kent.



The project will involve the construction of a new RNG injection station at the Ridge Landfill and a 4-inch extra high pressure steel pipeline, which would begin at a tie-in location on Enbridge Gas' Chatham East Line, northwest of the existing Blenheim North Station on Communication Road, and run to the Ridge Landfill on Erieau Road.

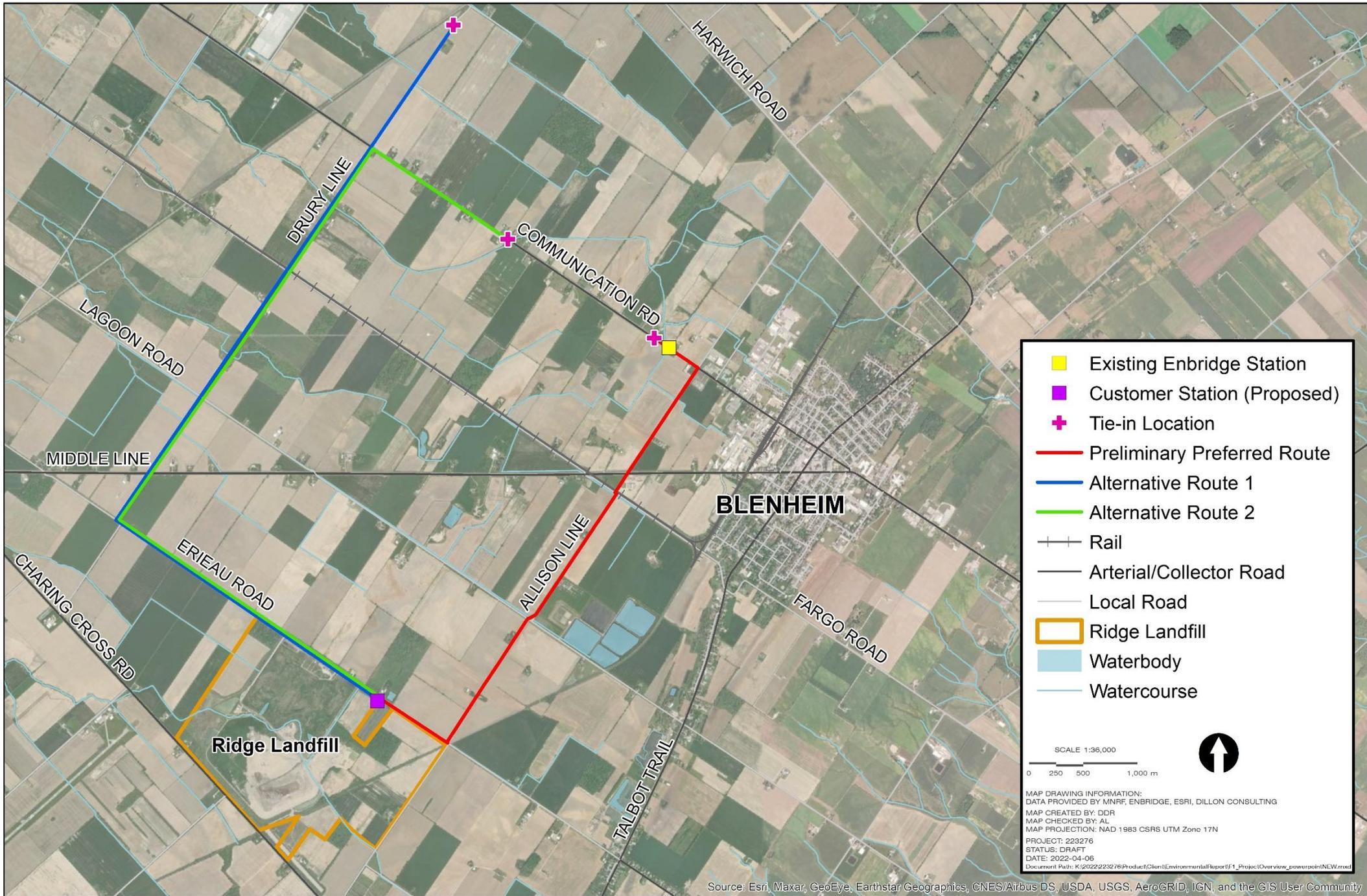


Enbridge Gas has identified a preliminary preferred route and two alternative routes ranging between approximately 6 km and 8 km in length.

The pipeline will be installed within the municipal road rights-of-way, where possible.



*See project overview map on next slide...*



# Natural Environment Considerations

A natural environment field survey of the Project Footprint\* was conducted by a Dillon biologist on April 8, 2022.

\* The Project Footprint is defined as a 30 m buffer on each side of the municipal road allowance along each potential pipeline route.



The Project Footprint consists of the following land classifications outside of the municipal road allowance:

- Mixed meadow
- Agricultural row crops
- Drainage ditches (including the following municipal drains - Weatherford Drain, Walker Drain, McGregor Drain, Cameron Drain, and Duke Drain)

# Natural Environment Considerations

The Species at Risk (SAR) shown below are known to occur in the Project area

Eastern Fox Snake  
(*Pantherophis gloydi*)



© Ryan M. Bolton

© Doris Brockens



Eastern Meadowlark  
(*Sturnella magna*)

Barn Swallow  
(*Hirundo rustica*)

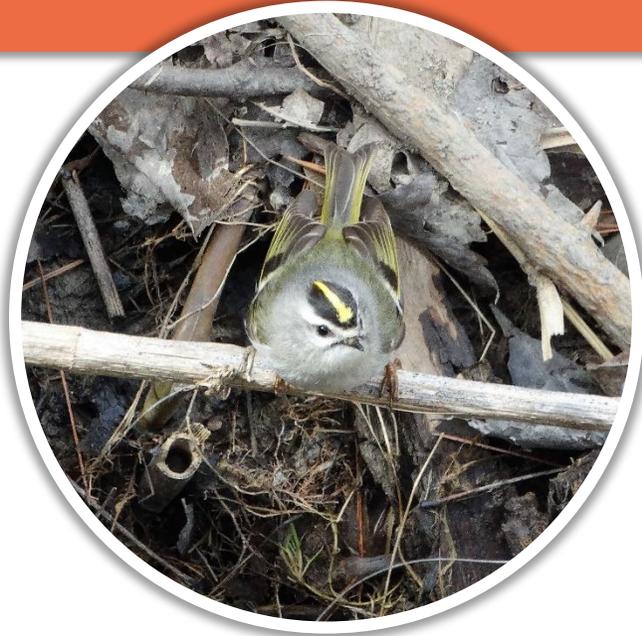


© Mark Peck

# Natural Environment Considerations

## 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.



## Example 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 Considerations

- The Project is located in the Municipality of Chatham-Kent, near the Community of Blenheim.
- The Community of Blenheim supports a variety of commercial and retail activities including clothing stores, automotive and boating, health and wellness, restaurants, personal services, along with sports and recreation.
- Blenheim, while also housing a number of manufacturing plants producing plastics, steel and automotive parts, is instrumental in building Chatham-Kent's reputation as the "Classic Car Capital of Canada".
- Agriculture plays an important role in Blenheim's culture and economy, housing large agricultural processing companies such as Rol-Land Farms, Platinum Produce, and The Andersons.



# Socio-Economic Considerations

## Potential Effects:

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



## Example 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.
- 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.

# Archaeology and Cultural Heritage Considerations



- The Project is within the Geographic Township of Harwich in former Kent County.
- The Project area is rural in nature and is made up of roadways and adjacent grassed and agricultural fields.
- The Stage 1 Archaeological Assessment (AA) identified the potential for discovery of archaeological sites by the presence of 19th century travel routes, settlement and structures; however, the Stage 1 AA confirmed the majority of the proposed pipeline routes was disturbed and no longer retained archaeological potential.
- Areas outside the municipal road allowance have archaeological potential and should be subject to Stage 2 Archaeological Assessment.
- The Cultural Heritage Screening found potential heritage properties along the pipeline routes. Once the preferred route is selected, a Cultural Heritage Assessment Report is recommended to further evaluate heritage resources.

# Archaeology and Cultural Heritage Considerations

## Potential Effects:

- Disturbance of previously undiscovered archaeological resources during construction.
- Disturbance of cultural heritage resources during construction.

## Example Mitigation Measures:

- Follow recommendations from the Stage 1 and Stage 2 Archaeological Assessments.
- Implement recommendations in the Cultural Heritage Assessment Report and/or Heritage Impact Assessment to be completed prior to construction.



# 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 & Safety Authority (TSSA).

## *Pipeline Construction*



Our construction work is temporary and transitory – once the pipe is laid, the area is restored to as close to pre-construction condition as possible.

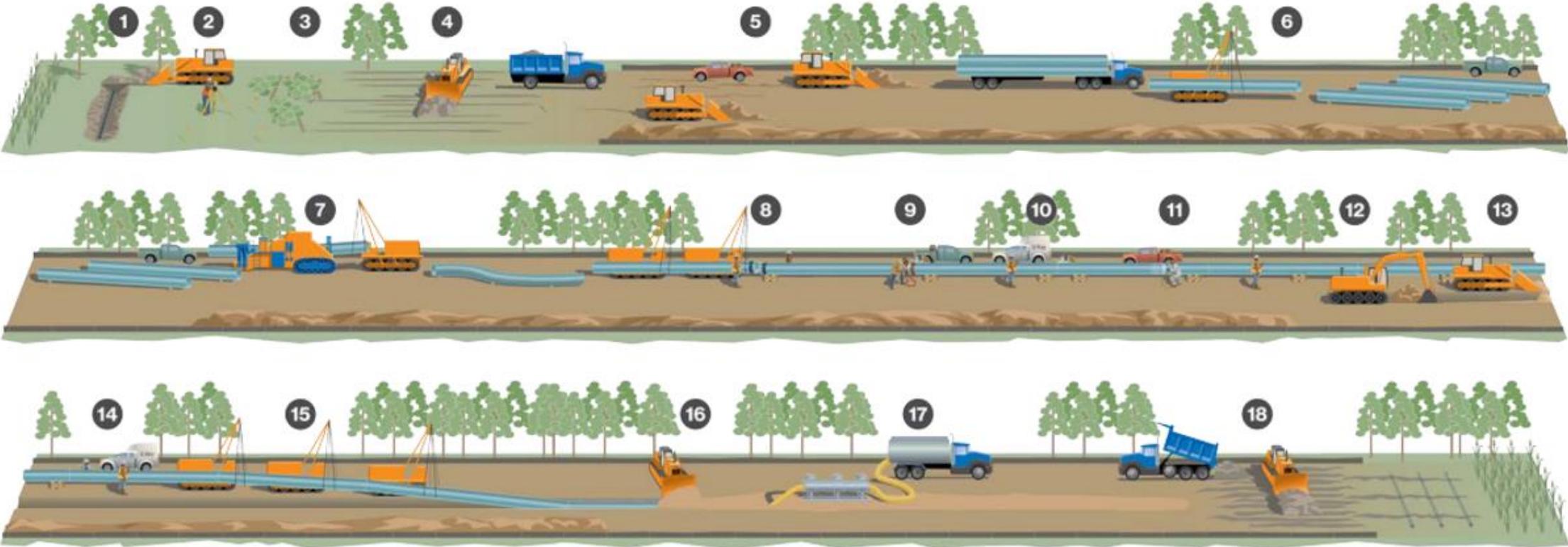
## *Pipeline Safety and Integrity*



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

- ✓ Designing, constructing, and testing our 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 the entire network.
- ✓ Performing regular field surveys to detect leaks and confirm corrosion prevention methods are working as intended.

# General Construction Overview



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

# Example of Pipeline Installation in Road Allowance



# 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 the municipality and landowners so that issues are resolved in a timely manner.

# Regulatory Framework

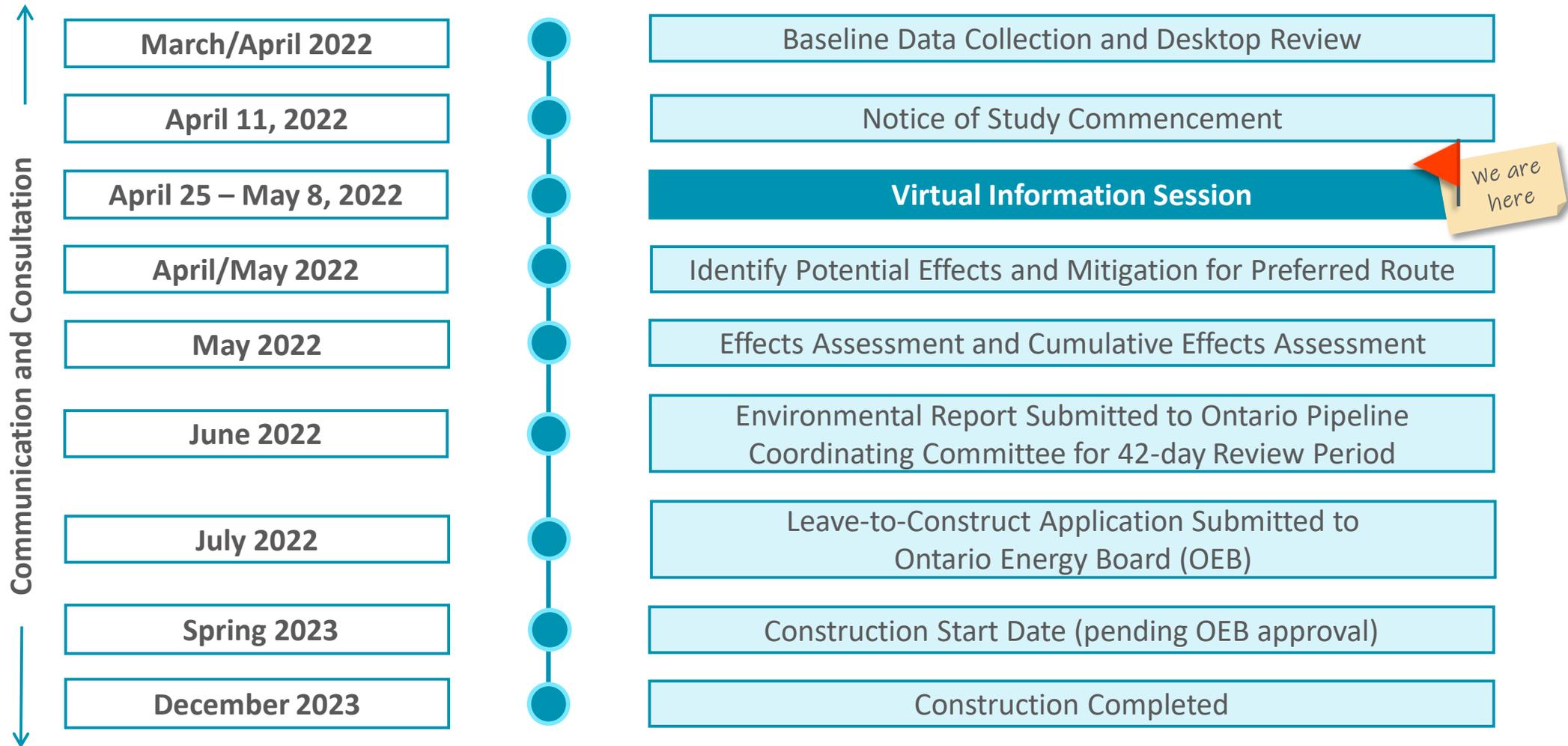
For the project to proceed, approval from the Ontario Energy Board (OEB) is required. The OEB requires that Enbridge Gas complete an environmental assessment and route selection study.



## 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 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 Leave-to-Construct Application for people to participate in the decision-making process.
- ✓ Determines whether a proposed pipeline is in the public interest.

# Environmental Assessment Process and Project Schedule



# 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 OEB hearing as an intervenor or interested party (details can be found at [www.oeb.ca](http://www.oeb.ca))
- ✓ Contacting project team members (project contact information provided on next slide)
- ✓ Visiting the Enbridge Gas project website at [www.enbridgegas.com/RidgeRNG](http://www.enbridgegas.com/RidgeRNG)



# Thank you for participating in our Virtual Information Session!



We want to hear from you! Please complete the Project questionnaire on the Virtual Information Session website at

[www.RidgeRNG.ca/comment-form](http://www.RidgeRNG.ca/comment-form)



After Sunday, May 8, 2022, this presentation, accompanying video transcript, and the questionnaire will be available for download on the Enbridge Gas website at [www.enbridgegas.com/RidgeRNG](http://www.enbridgegas.com/RidgeRNG)



Please submit your feedback by **May 24, 2022** so it can be considered in the Environmental Report that will be submitted to the Ontario Energy Board.

## Project Contact Information:



[RNGRidgeLandfillEA@dillon.ca](mailto:RNGRidgeLandfillEA@dillon.ca)



613-745-2213, ext. 3024

# Staying Informed