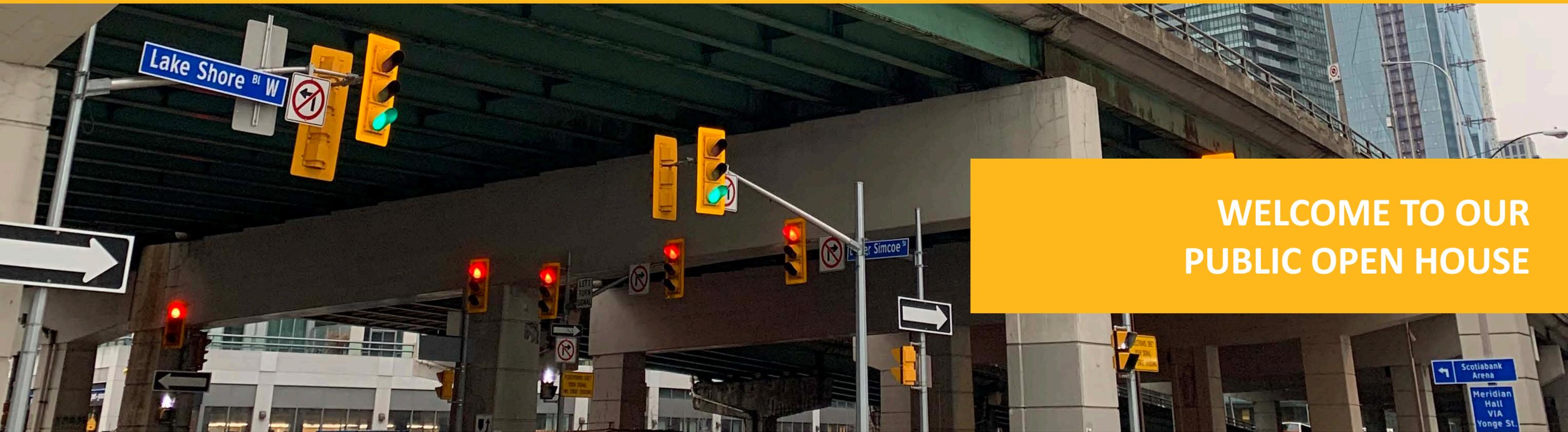


# Proposed NPS 20 Replacement Cherry to Bathurst



# Welcome

## Who we are

Enbridge Gas Inc. (Enbridge) provides safe and reliable delivery of natural gas to more than 3.7 million residential, commercial, and industrial customers across Ontario, Quebec, and New Brunswick. Enbridge is committed to environmental stewardship and conducts all of its operations in an environmentally responsible manner.

## Why are we here?

- To provide information about the proposed NPS 20 Replacement Cherry to Bathurst Project and present the potential routes.
- To provide affected landowners and the public the opportunity to discuss the proposed Project with Enbridge and Dillon.
- To receive input from affected landowners and the general public regarding any issues to be addressed.
- To discuss construction and environmental mitigation.



Please sign in at the front desk and provide your input on the Project by completing a questionnaire.

# Commitment to Consultation

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's Indigenous Peoples Policy

Enbridge recognizes the diversity of Indigenous Peoples who live where we work and operate. We understand that the history of Indigenous Peoples in both Canada and the United States has had destructive impacts on the social and economic wellbeing of Indigenous Peoples. Enbridge recognizes the importance of reconciliation between Indigenous communities and broader society. Positive relationships with Indigenous Peoples, based on mutual respect and focused on achieving common goals, will create constructive outcomes for Indigenous communities and for Enbridge.

Enbridge commits to pursuing sustainable relationships with Indigenous Nations and groups in proximity to where Enbridge conducts business. To achieve this, Enbridge will govern itself by the following principles:

- We recognize the legal and constitutional rights possessed by Indigenous Peoples in Canada and in the U.S., and the importance of the relationship between Indigenous Peoples and their traditional lands and resources. We 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, and we commit to ensuring that our projects and operations are carried out in an environmentally responsible manner.
- We recognize the importance of the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP) within the context of existing Canadian and U.S. law and the commitments that governments in both countries have made to protecting the rights of Indigenous Peoples.
- We engage in forthright and sincere consultation with Indigenous Peoples about Enbridge's projects and operations through processes that seek to achieve early and meaningful engagement so their input can help define our projects that may occur on lands traditionally used by Indigenous Peoples.
- We commit 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.
- We foster understanding of the history and culture of Indigenous Peoples among Enbridge's employees and contractors, in order to create better relationships between Enbridge and Indigenous communities.

This commitment is a shared responsibility involving Enbridge and its affiliates, employees and contractors, and we will conduct business in a manner that reflects the above principles. Enbridge will provide ongoing leadership and resources to ensure the effective implementation of the above principles, including the development of implementation strategies and specific action plans.

Enbridge commits to periodically reviewing this policy to ensure it remains relevant and meets changing expectations.

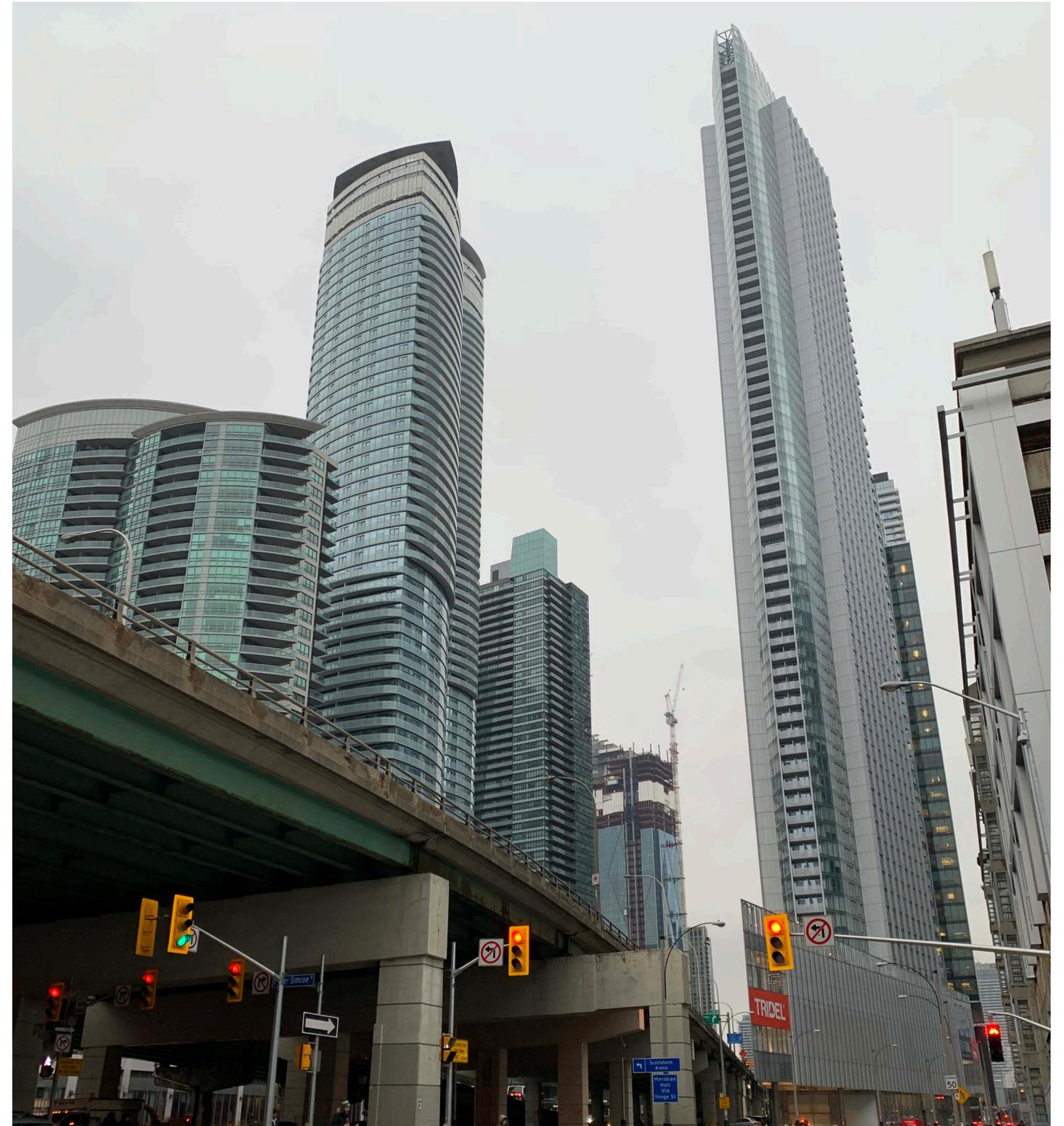
# Project Introduction

## What is being proposed?

- Replacement of approximately 4.5 km of an existing and critically important high pressure 20-inch steel natural gas pipeline.
- This pipeline serves customers in Downtown Toronto and along the waterfront.
- Three potential routes have been identified for the replacement pipeline.

## Why do we need this project?

- The existing pipeline requires replacement due to its age and condition.

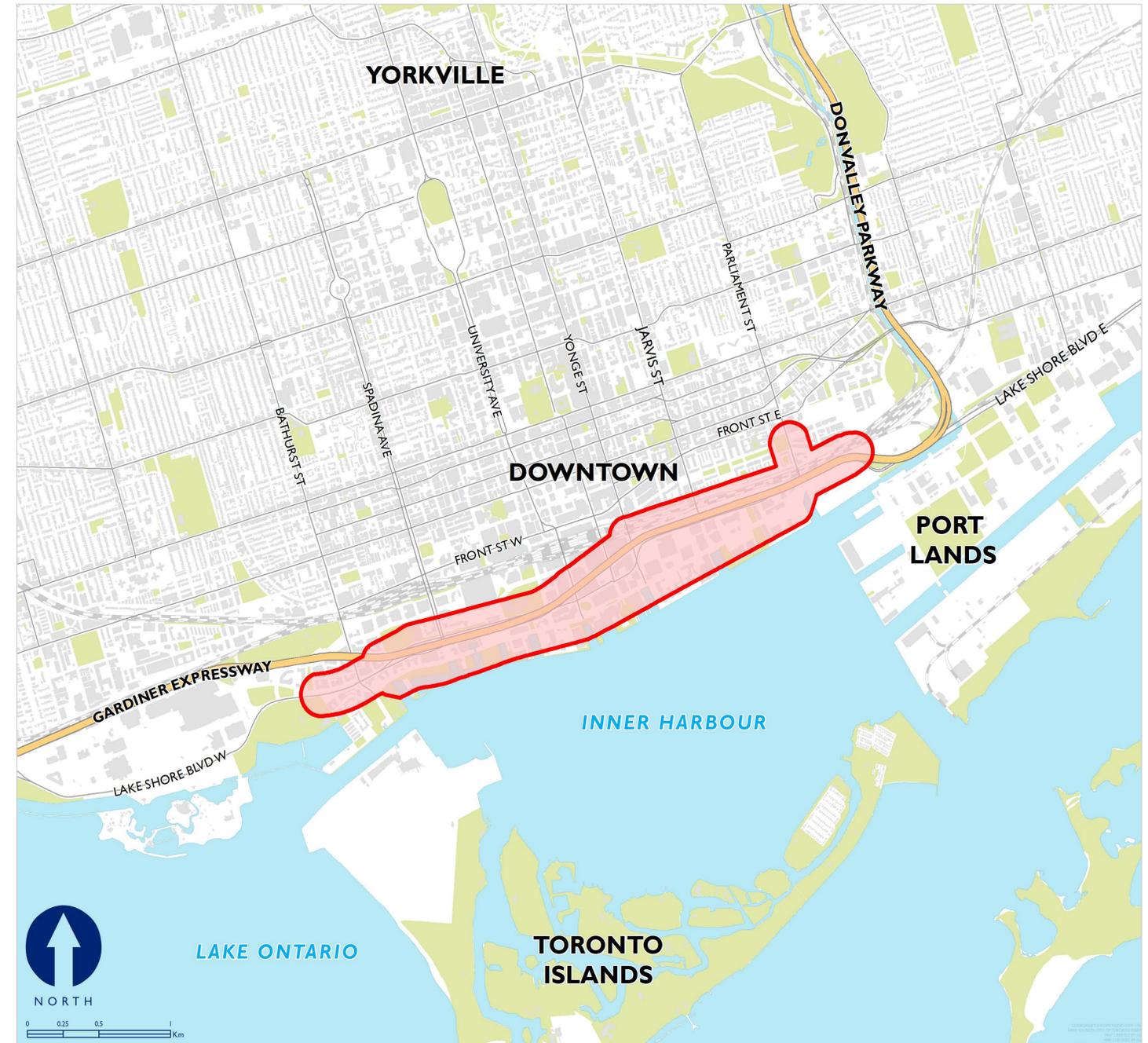


# Project Location

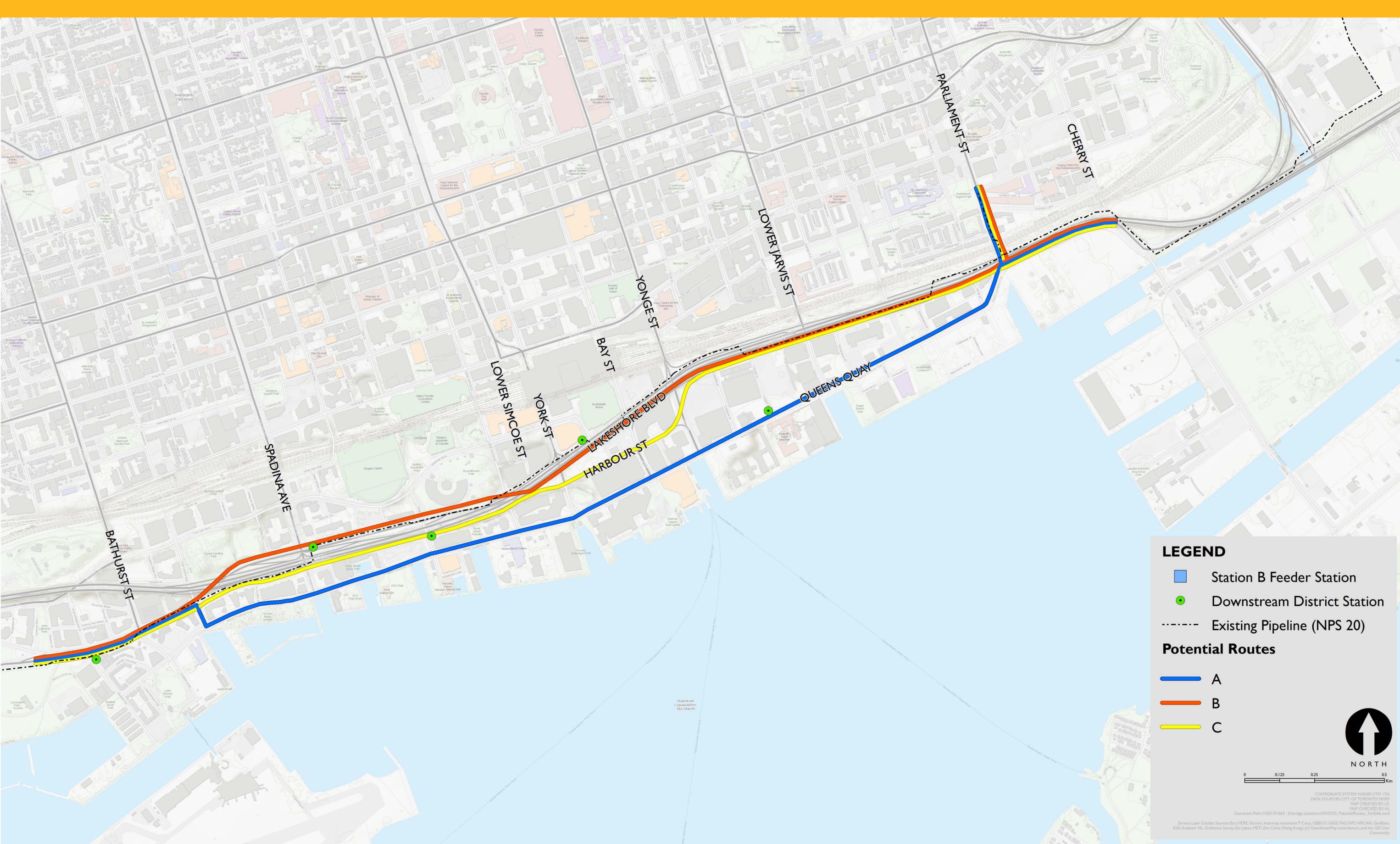
The proposed Project will replace approximately 4.5 km of existing pipeline located underground along Lake Shore Boulevard from Cherry Street to Remembrance Drive in Toronto.

Enbridge has identified three technically feasible route options.

Each route option runs from Bathurst Street to Cherry Street and needs to make a number of connections along the waterfront. The routes generally parallel Lake Shore Boulevard, Harbour Street, and Queens Quay, and the pipeline would be installed within the municipal road rights-of-way, where possible.



*See the large table map for route details.*



**LEGEND**

-  Station B Feeder Station
-  Downstream District Station
-  Existing Pipeline (NPS 20)

**Potential Routes**

-  A
-  B
-  C



NORTH



0 0.125 0.25 0.5 Km

COORDINATE SYSTEM: NAD83 UTM 17N  
 DATA SOURCES: CITY OF TORONTO, HREF  
 MAP CREATED BY: LK  
 MAP CHECKED BY: AL  
 Document Path: I:\GIS\191663 - Enbridge Lakeshore\191663\_PotentialRoutes\_Ford\ind.mxd  
 Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBasis, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

# Baseline Studies – Desktop and Field

## Desktop and Field Studies Completed:

- Vegetation survey
  - Aquatic habitat assessment
  - Incidental wildlife observations
  - Archaeology and built heritage
- Standard mitigation strategies will be carried out throughout construction in an effort to avoid potential impacts to native vegetation, aquatic resources, urban wildlife, and archaeological features.



# 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 Association (TSSA).

## Pipeline Construction

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

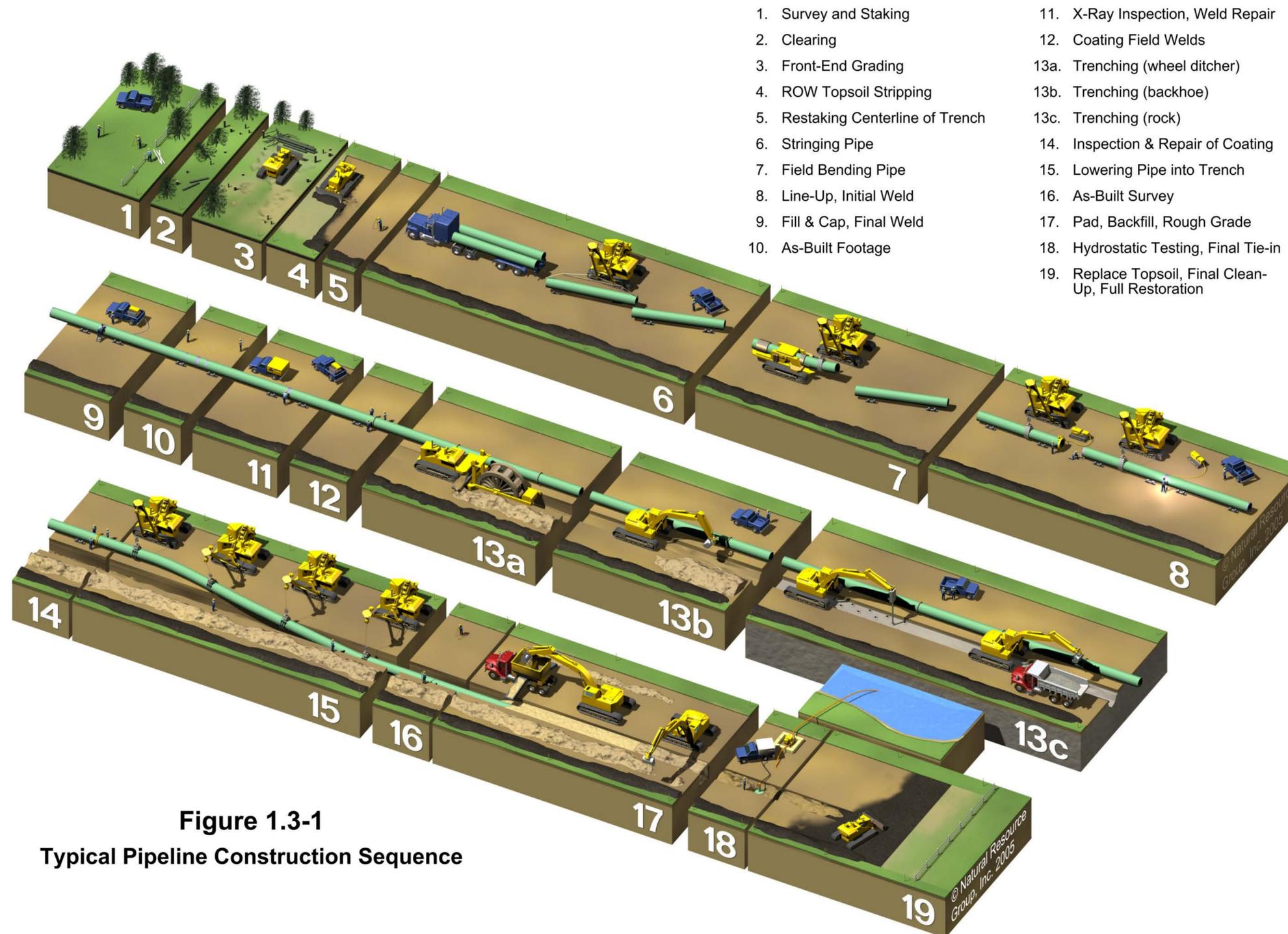
## Pipeline Safety and Integrity

We take many steps to safely and reliably operate our 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.



# Pipeline Construction Sequence



1. Survey and Staking
2. Clearing
3. Front-End Grading
4. ROW Topsoil Stripping
5. Restaking Centerline of Trench
6. Stringing Pipe
7. Field Bending Pipe
8. Line-Up, Initial Weld
9. Fill & Cap, Final Weld
10. As-Built Footage
11. X-Ray Inspection, Weld Repair
12. Coating Field Welds
- 13a. Trenching (wheel ditcher)
- 13b. Trenching (backhoe)
- 13c. Trenching (rock)
14. Inspection & Repair of Coating
15. Lowering Pipe into Trench
16. As-Built Survey
17. Pad, Backfill, Rough Grade
18. Hydrostatic Testing, Final Tie-in
19. Replace Topsoil, Final Clean-Up, Full Restoration

**Figure 1.3-1**  
**Typical Pipeline Construction Sequence**

Used By Permission Natural Resource Group, Inc. © 2010

# Mitigation and Monitoring

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



Enbridge recognizes that the construction of the pipeline may result in short-term adverse impacts and commits to applying mitigation measures to reduce these impacts and work with the City and local residents 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 complete an environmental assessment and route selection study.

## Role of the Ontario Energy Board:

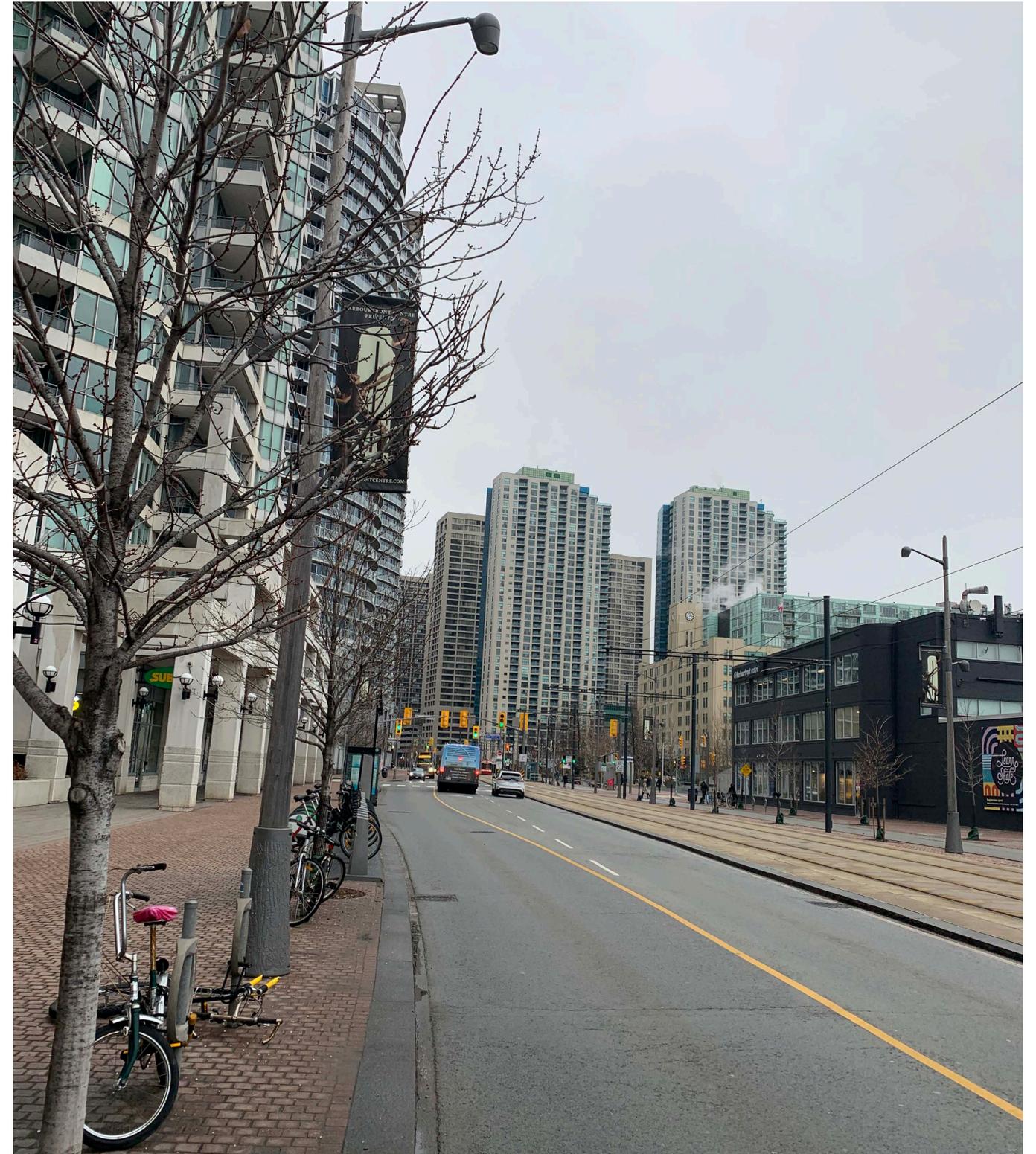
- Reviews the Environmental Report (including details of consultation) as part of the application, known as the Leave-to-Construct Application.
- Once the Leave-to-Construct Application is submitted to the OEB, any party with an interest in the project may apply to the OEB to become intervenors or interested 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.



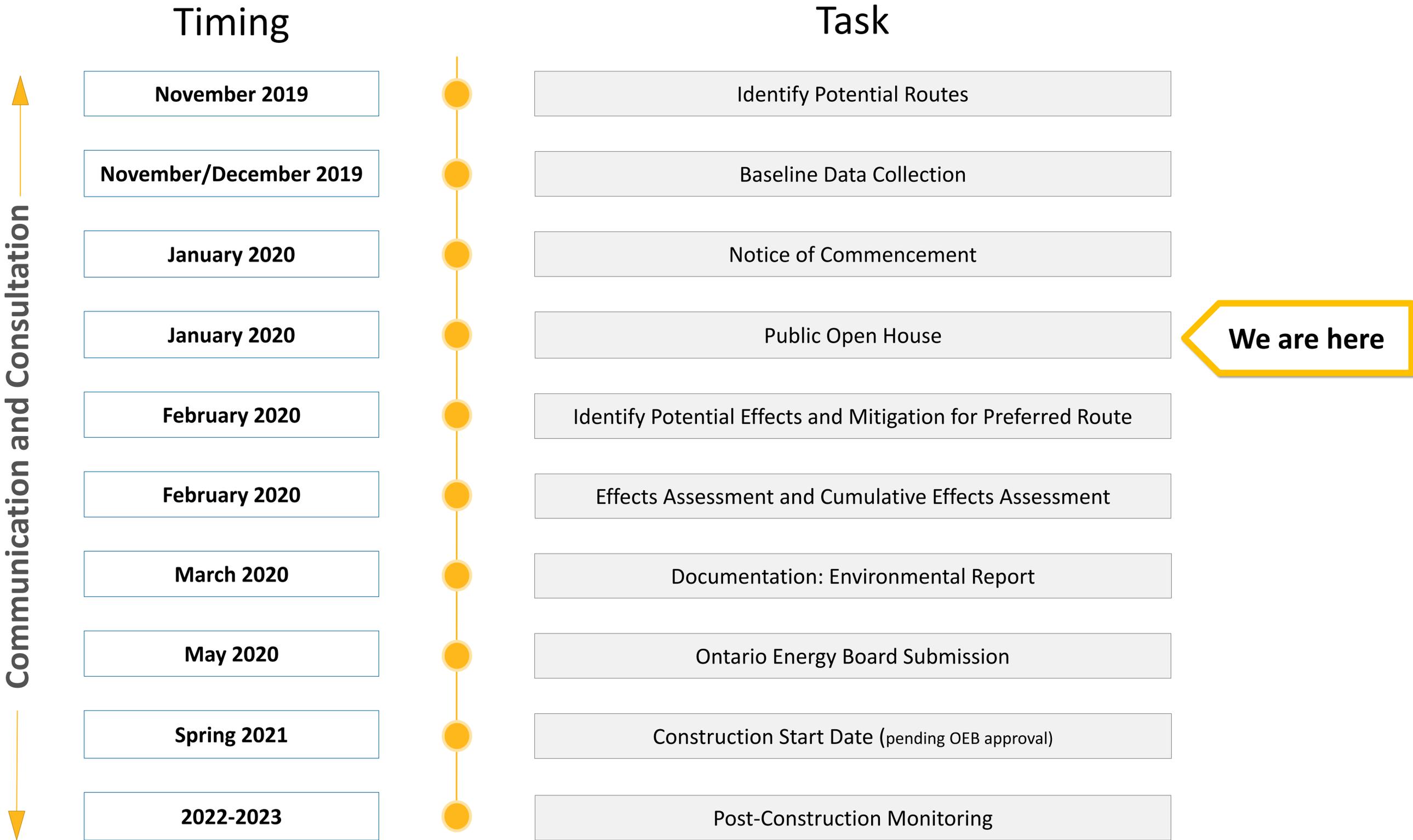
# Continuous Stakeholder Engagement

Enbridge 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.ontarioenergyboard.ca](http://www.ontarioenergyboard.ca))
- Contacting Enbridge or Dillon Project team members
- Visiting our Project page at [www.enbridgegas.com/about-us](http://www.enbridgegas.com/about-us) and clicking on the **Projects** tab!



# Environmental Assessment Process and Project Schedule



# Staying Informed

Get Project updates by providing us with your email or mailing address.

Please ensure you've signed in! **Complete the comment form** and drop it in the box at the door or give it to one of our Project Team Members.

For comments, questions or for more information, please contact:

Kelsey Mills	Tristan Lefler
Senior Environmental Analyst Enbridge Gas Inc.	Environmental Assessment Project Manager Dillon Consulting Limited
905-927-3145	519-571-9833
NPS20Replacement@dillon.ca	NPS20Replacement@dillon.ca
101 Honda Boulevard Markham, ON L6C 0M6	51 Breithaupt Street, Suite 200 Kitchener, ON N2H 5G5

Under the *Freedom of Information and Protection of Privacy Act*, all comments and questions submitted regarding this Project will be used for the purposes of creating an environmental assessment report that will be a part of the public record and will be made available to individuals or organizations with an interest in this Project. Personal information such as name, address, and telephone number will not be included in the environmental assessment report but will be released, if requested, to any person as part of the review of the environmental assessment report.