

Boblo Island Community Expansion Project Information Session



Welcome

Please view the display boards, speak to members of Enbridge Gas Inc. (Enbridge Gas) and/or Stantec Consulting Ltd. (Stantec) and complete a questionnaire providing your feedback.

Sign up at the front desk to have your attendance recorded as part of the environmental study and to receive future Project updates.

Our commitment

- Enbridge Gas is committed to involving Indigenous communities, agencies, interest groups, and community members.
- We will provide up-to-date information in an open, honest, and respectful manner, and will carefully consider your input.
- 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 is committed to environmental stewardship and conducts its operations in an environmentally responsible manner.



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Purpose of the Information Session

- Consult with Indigenous communities, and engage with members of the public, and regulatory authorities regarding the proposed pipeline route, potential impacts, and proposed mitigations.
- Provide an opportunity for these individuals and any affected landowners and the general public to review the proposed Project, and to ask any questions and/or provide comments to representatives from Enbridge Gas and Stantec.



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Indigenous Peoples Policy

Enbridge Inc. recognizes the diversity of Indigenous peoples who live where we work and operate. We understand from history the destructive impacts on the social and economic wellbeing of Indigenous Peoples. Enbridge Inc. 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 for Indigenous communities. Enbridge Inc. commits to pursue sustainable relationships with Indigenous Nations and groups in proximity to where Enbridge Inc. conducts business. To achieve this, Enbridge Inc. will govern itself by the following principles:

- We recognize the legal and constitutional rights possessed by Indigenous peoples, 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. We commit to ensuring that our projects and operations are carried out in an environmentally responsible manner.
- We understand 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.
- We engage in forthright and sincere consultation with Indigenous Peoples about Enbridge Inc. projects and operations through processes that seek to achieve early and meaningful engagement. Indigenous engagement helps define our projects that may occur on lands traditionally occupied 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 Inc. and Indigenous communities.

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



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Project Overview

- The Project will involve the construction of approximately 2.9 kilometres (km) of a combination of 2-inch plastic and 4-inch steel pipeline.
- The proposed pipeline will tie-in to an existing Enbridge Gas 4-inch steel pipeline near the intersection of Dalhousie Street and Park Street in Amherstburg.
- The pipeline will cross the Detroit River (approximately 600m) to reach Boblo Island.
- The distribution system on the island will be approximately 2.3 km in length.
- The Project is planned to be within the existing municipal road Right-of-Way (RoW) with the potential for off RoW Temporary Working Space (TWS).

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Map of the Preliminary Preferred Route



The proposed pipeline route has been developed for the purposes of an assessment of potential environmental and socioeconomic impacts and does not represent the final project scope/design that will provide access to natural gas to end-use customers.



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Environmental Study Process

As part of the planning process, Enbridge Gas has retained Stantec to undertake an Environmental Study for the Project. The Environmental Study will fulfill the requirements of the Ontario Energy Board's (OEB) "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)*".

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 and protective measures to avoid or reduce potential impacts.
- Develop an appropriate environmental inspection, monitoring, and follow-up program.



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Ontario Energy Board (OEB) Review and Approval Process

It is anticipated that the Environmental Report for the study will be completed in June 2023, after which Enbridge Gas may file a Leave-to-Construct (LTC) application. The application to the OEB will include the following information on the Project:

- The need for the Project
- Environmental Report and mitigation measures
- Project costs and economics
- Pipeline design and construction
Land requirements
- Consultation with Indigenous Communities

Additional information about the OEB process can be found at:
www.ontarioenergyboard.ca

The OEB will then hold a public hearing to review the Project. If the OEB determines that the Project is in the public interest, it will approve construction of the Project.



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Engagement and Consultation

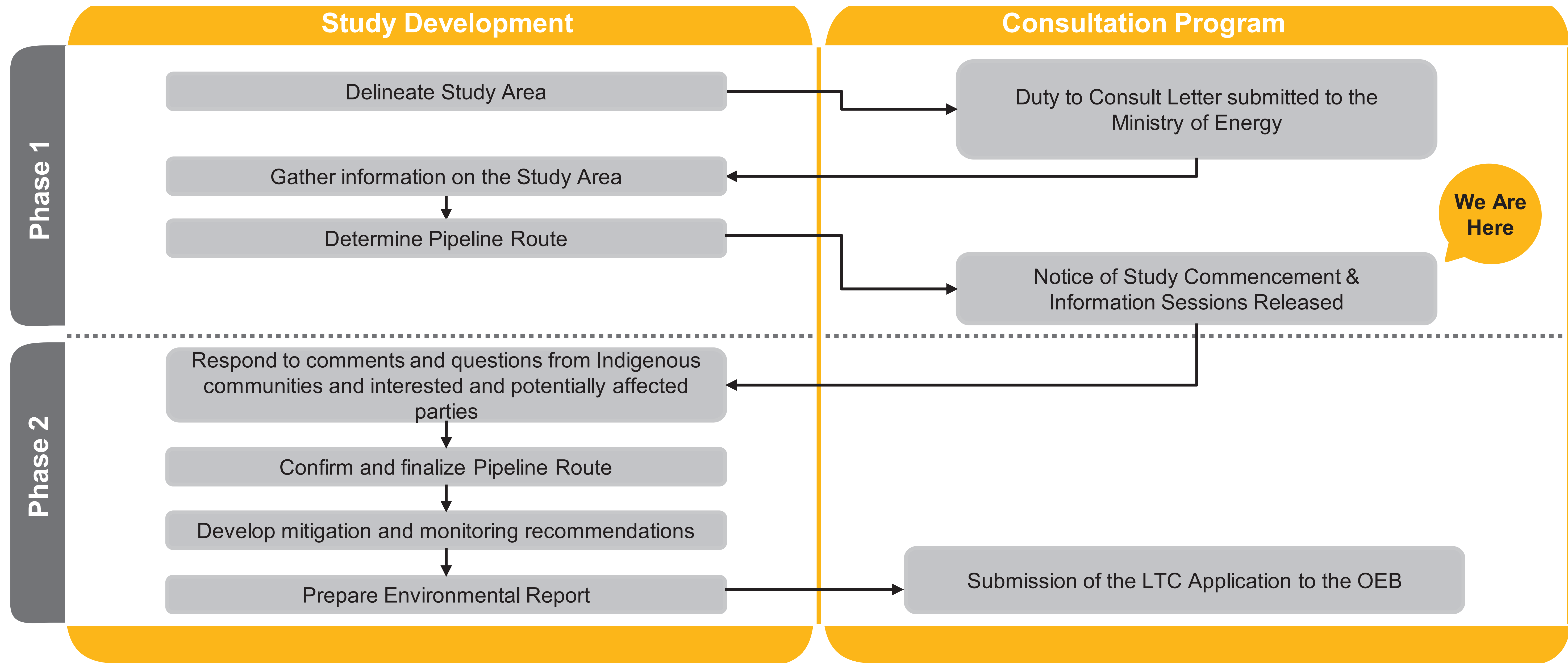
- Engagement and consultation are key components of the Environmental Report.
- At the outset of the Project, Enbridge Gas submits a Project Description to the Ministry of Energy; upon review, the Ministry of Energy determines potential impacts on Aboriginal or treaty rights and identifies Indigenous communities that Enbridge Gas will consult with during the entirety of the Project.
- The engagement and consultation program helps identify and address Indigenous community and stakeholder concerns and issues, provides information about the Project to Indigenous communities and stakeholders, 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 LTC application is filed with the OEB, any party with an interest in the Project, including members of the public, can participate in the process.



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Environmental Study Process



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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 we recognize 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.



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Access and Land Requirements

Our commitment

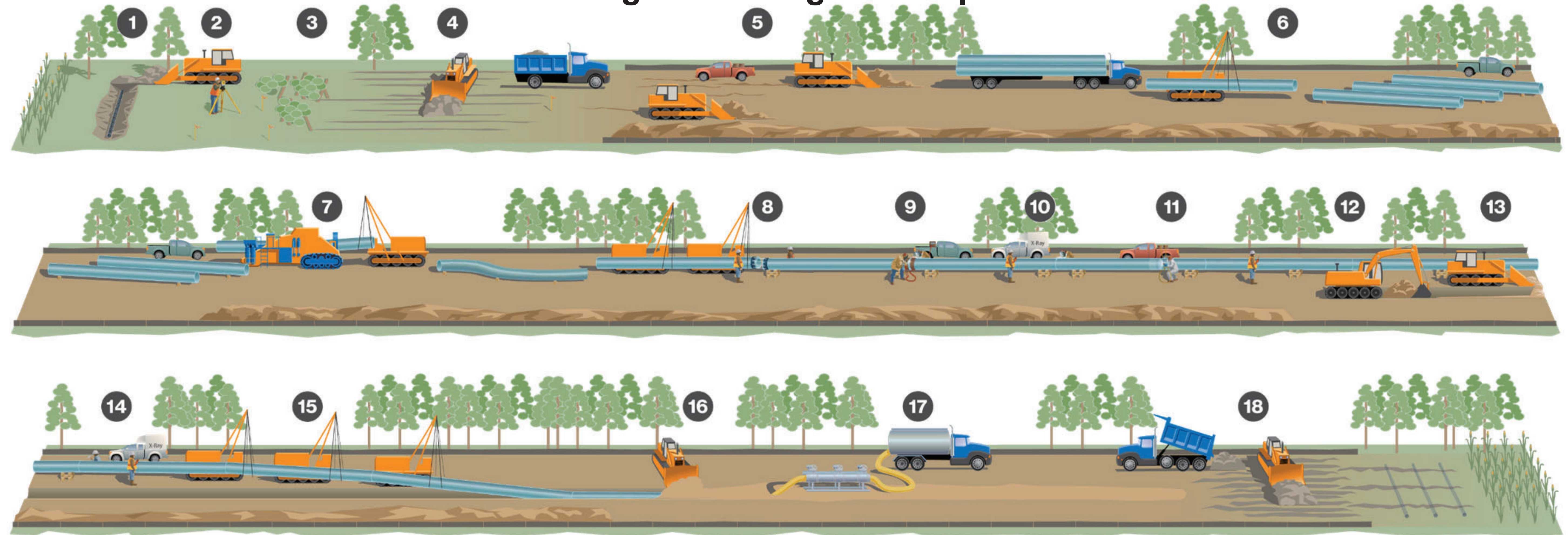
- While most of the pipeline route will be constructed within municipal road allowances, some circumstances requiring access agreements, permanent easement or temporary working space during construction could result in the need for additional land outside of road allowances.
- Enbridge Gas has a comprehensive Landowner Relations Program that uses a dedicated Lands Advisor who would:
 - Provide direct contact & liaison between landowners and Enbridge Gas.
 - Be available to the landowner during the length of the Project and throughout construction activities.
 - Address the concerns and questions of the landowner.
 - Act as a singular point of contact for all landowners.
 - Address any landowner questions and any legal matters relating to temporary use of property, access agreements, permanent easements, and impacts or remedy to property.



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Constructing an Enbridge Gas Pipeline



- | | | | | | |
|----------------------------|-----------------------------------|-----------------------|---|---|---|
| 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 |

Note: Construction infographic is specifically for open cut steel pipe installation



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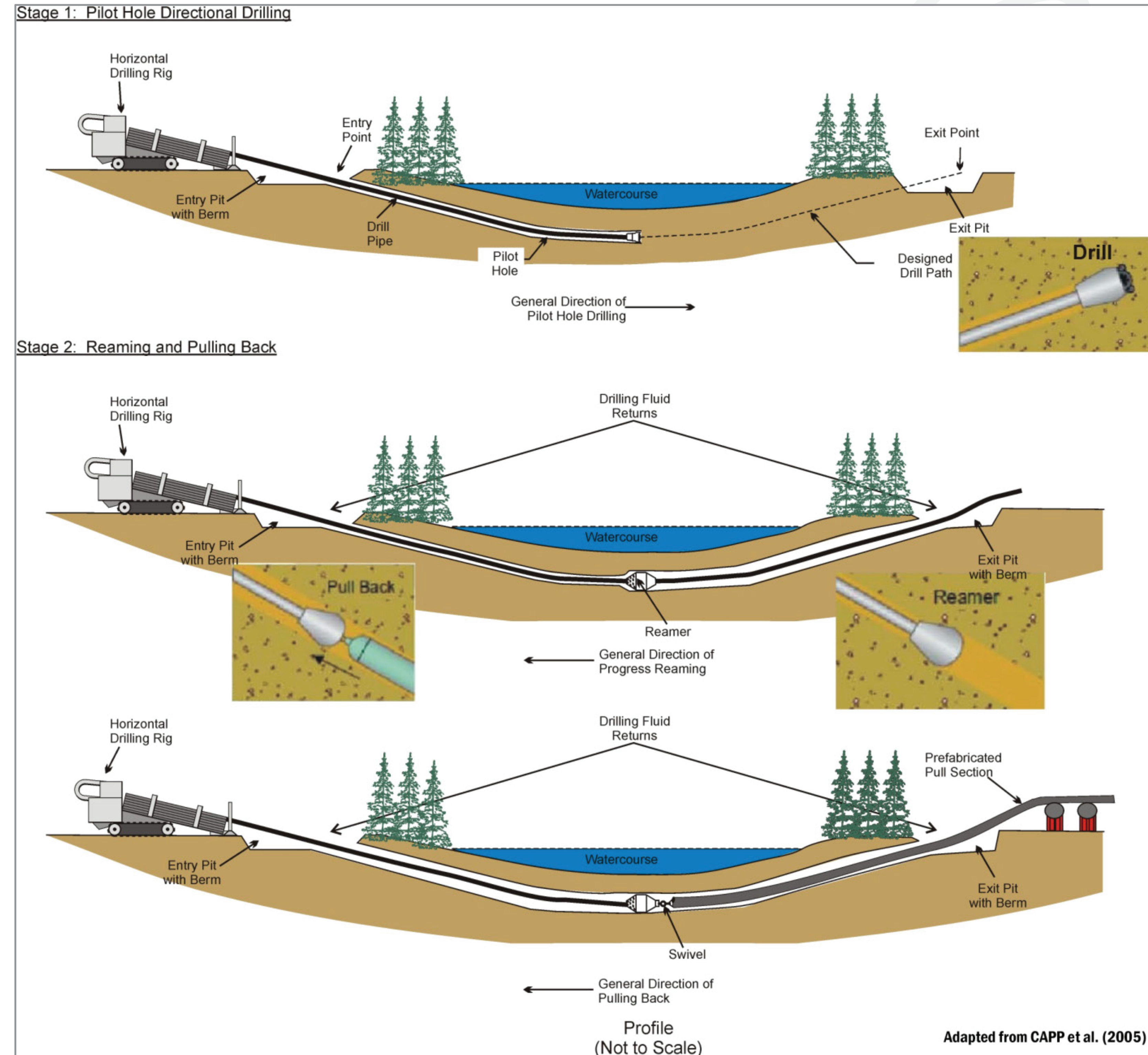
Constructing an Enbridge Pipeline (Continued)

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

- **Photo 1:** Shows a typical Enbridge pipeline. The Boblo Island Community Expansion Project will involve the installation of a combination of 2-inch plastic and 4-inch steel pipeline and will be much smaller than the pipeline shown in Photo 1.
- **Photo 2:** Represents a typical 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 RoW and other work areas. In natural areas, clean-up will involve restoring the environment (i.e., re-seeding of the RoW), and restoring ditch banks and watercourse crossings.



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Horizontal Directional Drilling (HDD) Installation



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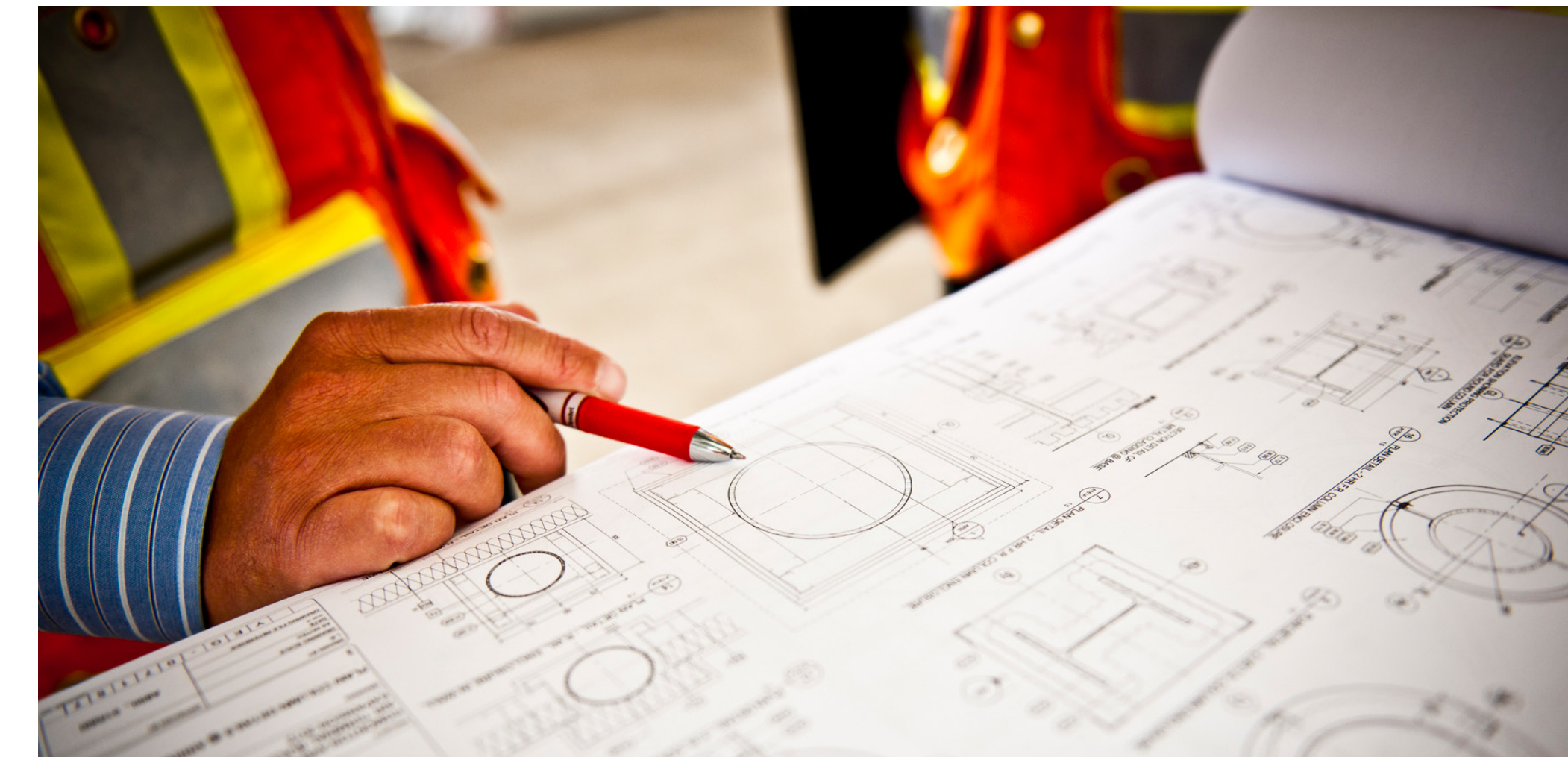


Horizontal Directional Drill Procedures (HDD)

- HDD is the planned method of construction for the Detroit River crossing
 - A geotechnical assessment and enhanced designs will be completed by a qualified consulting service with expertise in HDD drilling technology and practices. The geotechnical assessment and enhanced designs will mitigate potential disruption to the waterbody by identifying favourable ground conditions and determining an appropriate HDD depth under the watercourse
 - Permits will be obtained from the required regulatory authorities. Required permits will be determined and documented in the Environmental Report for the Project
- Enbridge has completed many significant watercourse crossings by HDD
 - In 2014, Enbridge installed a pipeline crossing under the Trent Severn Waterway for a project in Campbellford
 - In 2016, Enbridge installed a pipeline crossing under the Snye River for the Walpole Island Project
 - In 2018-2019, Enbridge installed a natural gas pipeline under the Fenelon River (i.e., Trent Severn Waterway) during the Fenelon Falls Community Expansion Project
 - For the Bobcaygeon Community Expansion Project, Enbridge Gas is currently planning the design of the Big Bob and Little Bob Channels, which are part of the Trent Severn Waterway and regulated by Parks Canada
- 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 an HDD contingency plan
 - Conducting regular monitoring of the watercourse during drilling activities



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Pipeline Design

The high-grade plastic and steel 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 Safety and Integrity

We take many steps to ensure safe, reliable operation of our network of natural gas pipelines, such as:

- Design, construct, and test our pipelines to meet or exceed requirements set by industry standards and regulatory authorities,
- Continuously monitor the entire network, and
- Perform regular field surveys to detect leaks and confirm corrosion prevention methods are working as intended.



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Socio-Economic Features

The Project will mainly be constructed in existing municipal road allowances. As a result of construction, private businesses, agricultural operations, and residential land as well as Essex Region Conservation Authority land along the pipeline may be impacted.

Potential Effects

- Temporary increases in noise, dust, and air emissions.
- Increased construction traffic volumes.
- Temporary impairment of the use and enjoyment of residential and/or cottage property.
- 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 when possible.
- Develop and implement a Traffic Control Plan.
- Place fencing at appropriate locations for safety.
- Implement a private water well monitoring program.
- Making contact information for a designated Enbridge Gas representative available prior to and throughout construction.
- Dust control measures.
- Re-vegetation of cleared areas (seeding/planting).



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Cultural Heritage Resources

During construction, cultural heritage features such as archaeological finds, 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, if required.

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 (MCM).
- Cultural heritage assessment (for built heritage features and cultural heritage landscapes) of the construction right-of-way, with review and comment from MCM.
- Reporting of any previously unknown archaeological or historical resources uncovered, or suspected of being uncovered, during construction.

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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 (i.e., watercourses, wetlands etc.).
- For in-channel construction, protect aquatic species through methods such as flow diversion/dewatering, fish rescue planning etc., and manage sedimentation and turbidity.
- Restore and seed disturbed areas to establish habitat and reduce erosion, if necessary; and
- Replant vegetation along waterways, where necessary.



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Terrestrial Resources

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

Potential Effects

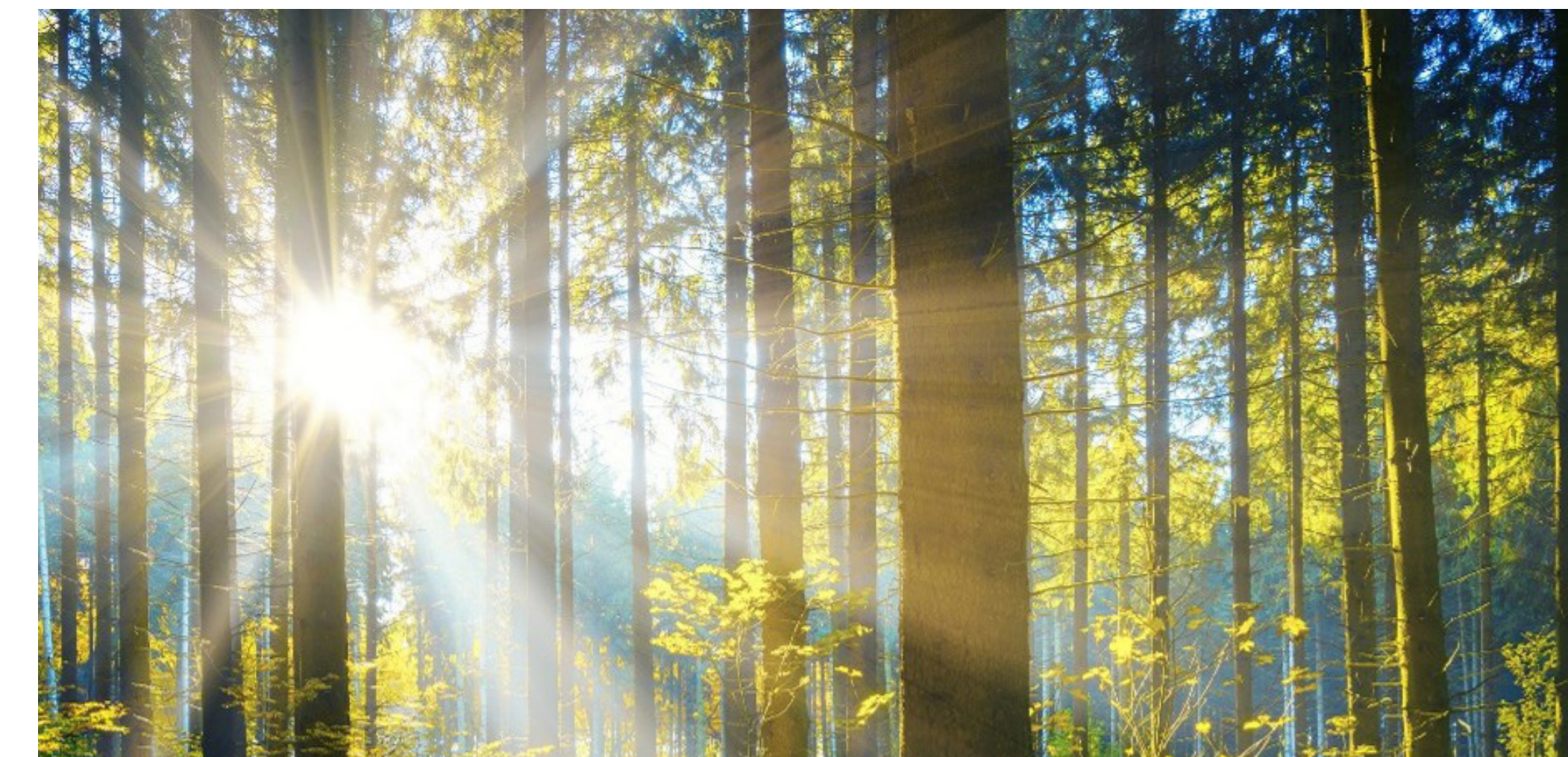
- Damage or removal of vegetation and wildlife habitat in the construction area.
- Disturbance and/or mortality to local wildlife.

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.

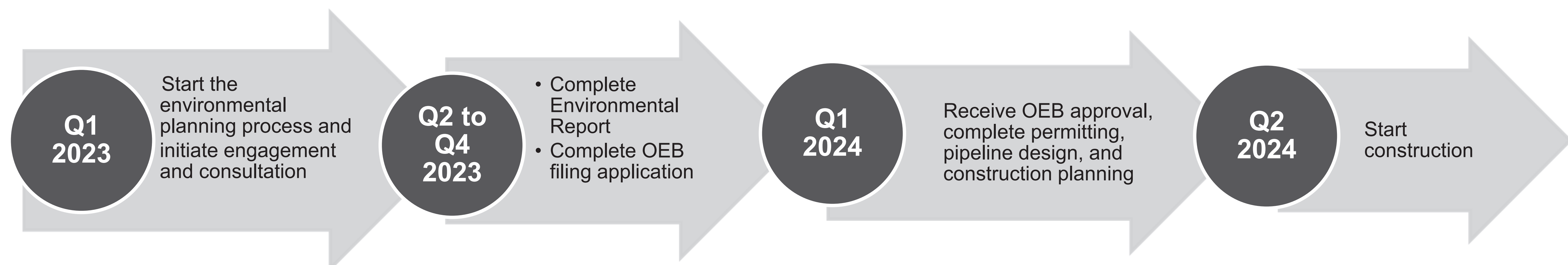


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Next Steps

After this Information Session, we intend to pursue the following schedule of activities:



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Thank-you!

On behalf of the Project team, thank-you for attending the Information Session. Please complete a Questionnaire by **March 23, 2023**, for your comments to be considered as part of the Environmental Report.

Michael Candido

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For more information about the proposed project, please visit our Project website at:

<https://www.enbridgegas.com/BoblolIsland>

