

London Lines Replacement Project Virtual Open House



Welcome

- Press the next button to navigate to the next slide at any time.
- To return to the previous slide, press the previous button.
- You can mute the audio at any time by pressing the speaker icon.
- The presentation slides as well as the audio script are available for download (see the Resources tab in the top right corner).
- Questions and comments can be submitted using the questionnaire (see the Resources tab).
- If you would like to receive future Project updates, please complete the "Contact Information" section of the questionnaire.

Our commitment

- Enbridge is committed to involving community members
- We will provide up-to-date information in an open, honest and respectful manner, and will carefully consider your input.
- Enbridge provides safe and reliable delivery of natural gas to more than 3.7 million residential, commercial, and industrial customers across Ontario.
- Enbridge is committed to environmental stewardship and conducts all of its operations in an environmentally responsible manner.



London Lines Replacement Project Virtual Open House



Project Overview

- Approximately 75 kilometers (km) of 8-inch, high pressure, steel, natural gas pipeline, and a secondary 10.5 km, 8-inch pipeline to connect the Town of Strathroy.
- Will replace the two current pipelines known collectively as the London Lines.
- Start within the Township of Dawn-Euphemia and will continue through the Municipality of Southwest Middlesex and will end at two locations: within the Municipality of Middlesex Centre; and at a proposed new station in the Municipality of Strathroy-Caradoc.
- If approved by the Ontario Energy Board (OEB), construction of the proposed pipeline is planned to begin as early as spring 2021 and be in service by the end of 2021.



London Lines Replacement Project Virtual Open House



Purpose of the Virtual Open House

- Provide a safe alternative to an in-person meeting due to current social distancing requirements set out by the Province of Ontario and the Government of Canada.
- Consult with Indigenous communities, the public, and regulatory authorities regarding the proposed Preferred Route, and potential impacts.
- 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 and Stantec.



London Lines Replacement Project Virtual Open House



Environmental Study Process

The environmental study and Environmental Report will be completed as per the OEB's "*Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)*."

The study will:

- Undertake consultation 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 minimize potential impacts.
- Develop an appropriate environmental inspection, monitoring and follow-up program.



London Lines Replacement Project Virtual Open House



Ontario Energy Board (OEB) Review and Approval Process

The application to the OEB will include information on the Project including:

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

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.

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



London Lines Replacement Project Virtual Open House



Preferred Route selection process

The Preferred Route for the proposed pipeline will be selected through a five-step process.

Step 1

Develop Routing Parameters

- a. Establish a study area.
- b. Establish routing objectives.
 - i. Follow a reasonably direct path between start and end points.
 - ii. Avoid sensitive environmental and socio-economic features.
 - iii. Use existing linear features.
 - iv. Follow existing lot and property lines.
- c. Create an inventory of environmental and socio-economic features.

Step 2

Identify Alternative Routes in the Study Area

Identify reasonable and feasible routes within the study area in consideration of the routing objectives and environmental and socio-economic opportunities and constraints.

Step 3

Route Evaluation

- An evaluation of the Alternative Routes will be conducted based on:
- a. A quantitative comparative evaluation of impacts to environmental and socio-economic features.
 - b. A qualitative comparative evaluation.

Step 4

Input on the Alternative Routes

Gather input on the Alternative Routes.

We are
Here

Step 5

Confirmation of the Preferred Route

A Preferred Route will be confirmed following consultation with landowners and other affected parties. The location of the Preferred Route may be refined as the Project moves forward based on pre-construction field investigations, landowner requests and/or engineering and construction considerations.



London Lines Replacement Project Virtual Open House

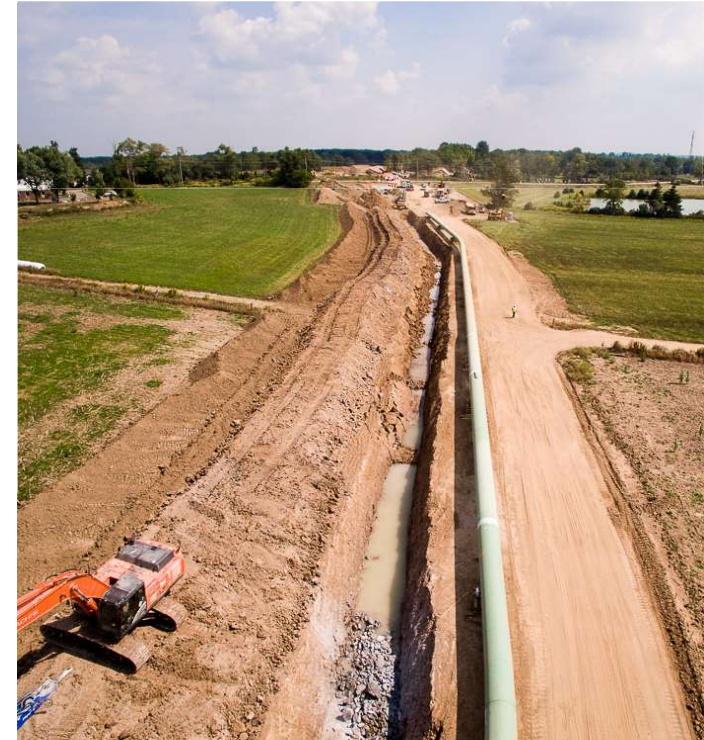


Route Evaluation Methodology

- Study Area pipeline routing constraints include natural heritage features, slope, topography, and socio-economic features and landscapes.
- A GIS routing exercise was undertaken that examined all mapped routing constraints and opportunities to generate alternative segments.
- The alternative segments follow existing linear infrastructure such as road easements and avoid, to the extent possible, existing environmental and socio-economic features.

An interactive map that shows the entire proposed Route and the alternative segments can be accessed at:

<https://stantec.maps.arcgis.com/apps/webappviewer/index.html?id=08cbf589324748f598206747f7665976>

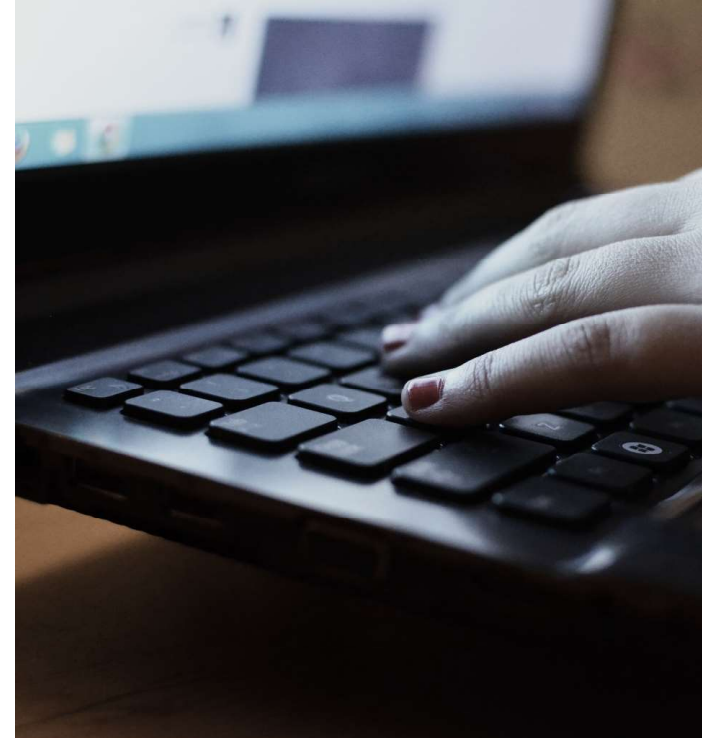


London Lines Replacement Project Virtual Open House

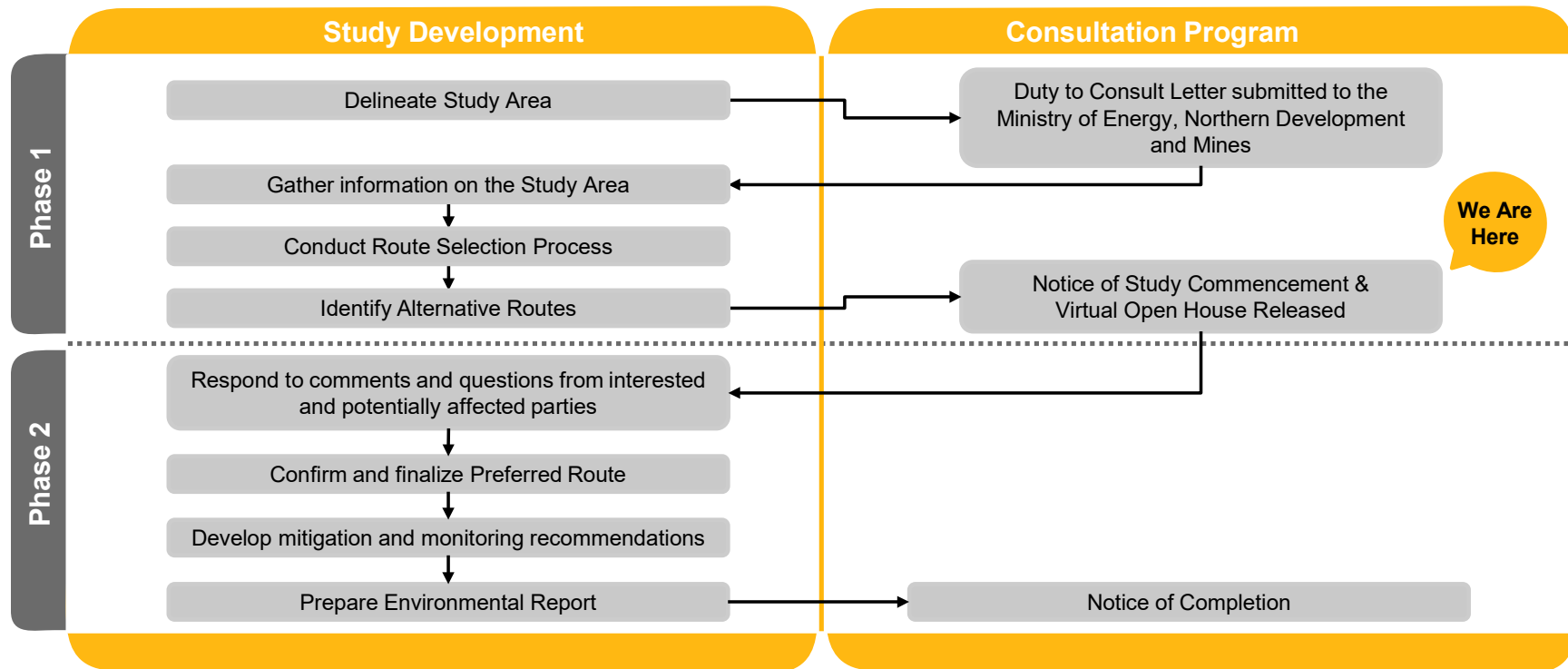


Consultation

- Consultation is a key component of the Environmental Report.
- The consultation program helps identify and address stakeholder concerns and issues, provides information about the Project to the stakeholders, and allow for participation in the Project review and development process.
- Input will be used to help finalize the preferred pipeline route and mitigation plans for the project.
- Once the Leave-to-Construct (LTC) application is made to the OEB, any party with an interest in the Project, including members of the public, can participate in the process.



London Lines Replacement Project Virtual Open House



Environmental Study Process



London Lines Replacement Project

Virtual Open House



Indigenous People Policy

Enbridge 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 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 commits to pursue 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, 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's projects and operations through processes that seek to achieve early and meaningful engagement. Indigenous engagement help 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 and Indigenous communities.

This commitment is a shared responsibility involving Enbridge and its affiliates, employees and contractors. We will conduct business in a manner that reflects the above principles. Enbridge will provide ongoing leadership and resources to effectively implement the above 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.



London Lines Replacement Project Virtual Open House



Environment, Health and Safety Policy

Our commitment

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



London Lines Replacement Project Virtual Open House



Access and Land Requirements

- Once a preferred route is selected, an Enbridge Land Agent will begin discussions with landowners for the appropriate land rights necessary for the construction, decommission and/or removal of the pipeline.
- Enbridge is committed to working with all directly affected landowners in anticipation of acquiring early access agreements in order to gather essential information, including but not limited to, land survey data, environmental, archaeological and property site features, along with negotiating the necessary land rights.
- These land rights will consist of permanent easements and/or temporary land rights. The temporary land rights are only required during project construction activities.
- Enbridge will ensure that a Land Agent is available to each landowner during all pipeline construction activities.
- The Land Agent will keep all landowners informed of the progress of the project and assist with any concerns that may arise as a result of the construction activities.



London Lines Replacement Project Virtual Open House



Agricultural Soils

Enbridge has established and tested measures to preserve the integrity of agricultural soils throughout the construction phase:

- A third-party soils specialist will determine topsoil depth prior to stripping and supervise activities so the proper depth of topsoil is removed and replaced.
- Topsoil will be stripped from the right-of-way and other work areas and stockpiled along the right-of-way. A separation will be maintained between topsoil and subsoil.
- Enbridge Gas will implement a wet soil shutdown protocol on agricultural lands to minimize soil structure damage.
- The subsoil on the stripped portion of the right-of-way will be chisel ploughed or sub-soiled during cleanup activities to alleviate compaction.
- Any agricultural drainage systems impacted by construction will be repaired.
- Enbridge Gas will develop and implement a sampling program on agricultural easements along the pipeline route for potential pests and/or diseases that are known to the area, where appropriate.
- The entire outside boundaries of the work space necessary for construction of the project will be staked at regular intervals.
- A post-construction cover crop program will be available to landowners.



London Lines Replacement Project Virtual Open House



Maintaining Agricultural Drainage Systems

- Landowners will be contacted prior to construction to confirm the location and type of existing drains. Any future drainage plans will also be discussed with the landowner.
- Field tile will be temporarily re-routed during pre-construction activities where required to ensure proper drainage during construction.
- Damaged and severed drains will be repaired following construction. After repair and prior to backfilling, landowners will be invited to inspect and approve the repair. Any on-going field tile issues resulting from pipeline construction will be addressed by Enbridge Gas as required.



London Lines Replacement Project Virtual Open House



Socio-economic Features

The project will be constructed through road right of way, private business areas, agricultural and residential land, along with land regulated by both Canadian Pacific and Canadian National Railways, and land regulated by Hydro One, Lower Thames Valley Conservation Authority, St. Clair Region Conservation Authority, and Upper Thames River Conservation Authority.

Potential Effects

- Temporary increases in noise, dust and air emissions.
- Increased construction traffic volumes.
- Temporary impairment of the use and enjoyment of property.
- Vegetation clearing along the pipeline easement.

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.
- Implement a 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).



London Lines Replacement Project Virtual Open House



Aquatic Resources

Enbridge understands the importance of protecting wildlife during construction and therefore will implement recognized mitigation measures to minimize possible environmental effects.

Potential Effects

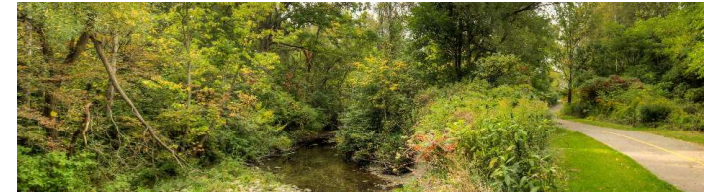
- Disruption and alteration to aquatic species and habitat and/or nuisance effects.
- Increased erosion, sedimentation, and turbidity resulting from removal of vegetation.

Example Mitigation Measures

- Conduct surveys of waterbodies.
- Obtain all agency permits and approvals.
- Limit in-channel construction, where possible, and conform to fish timing window guidelines.
- For in-channel construction, protect aquatic species and manage sedimentation and turbidity.
- Restore and seed areas to establish habitat and reduce erosion.
- Replant vegetation along waterways.



London Lines Replacement Project Virtual Open House



Cultural Heritage Resources

During the course of 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.

Potential Effects

- Damage or destruction of archaeological, paleontological or historical resources.

Example Mitigation Measures

- Archaeological assessment of the construction right-of-way, with review and comment from the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI).
- Cultural heritage assessment (for built heritage features and cultural heritage landscapes) of the construction right-of-way, with review and comment from MHSTCI.
- Reporting of any previously unknown archaeological, paleontological or historical resources uncovered, or suspected of being uncovered, during excavation.



London Lines Replacement Project Virtual Open House



Terrestrial Resources

During the course of construction, natural heritage features such as wildlife habitat and vegetated/wooded areas will need to be crossed.

Potential Effects

- Damage or removal of vegetation and wildlife habitat adjacent to 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.
- Clearly mark the construction area to avoid accidental damage.
- Restore and seed areas to establish habitat and reduce erosion.
- Secure any necessary permits and follow any conditions of approval.



London Lines Replacement Project Virtual Open House



Pipeline Design

The high-grade 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.



London Lines Replacement Project

Virtual Open House



Pipeline Construction

1. **Site Preparation:** The first crew to enter the construction site is typically the survey and staking crew who delineate the boundaries of the construction area. When required safety fence is installed at the edge of the construction area where public safety considerations are necessary, and aspects of the traffic management plan are implemented (i.e., signs, vehicle access).
2. **Clearing:** The clearing crew clears brush and other vegetation including the temporary work space to permit construction of the pipeline.
3. **Grading and Stripping:** Next, the grading crew prepares the construction area for access by construction equipment. Existing landscaping is also removed, and dewatering undertaken, where necessary.
4. **Stringing:** The stringing crew lays pipe on wooden skids or boxes adjacent to the trench area.
5. **Trenching:** Once the construction area has been prepared, a hydraulic hoe will excavate the trench which will then be prepared for the installation of the new pipeline.
6. **Pipe Fabrication and Lowering:** Next, the pipe is bent as required and the welding crew welds the pipe into continuous lengths. The pipe welds are x-rayed and coated then inspected before the pipeline is lowered into the trench. Crews also install pipes under obstacles such as roads or watercourses by directional drilling. The welds are global positioning system located with locations identified on the weld map along with the identification of each pipe section for future identification.
7. **Hydrostatic Test:** The pipeline is tested hydrostatically. Water is drawn from a suitable local source based on discussions with the appropriate authorities and will be disposed of appropriately (e.g., discharged to land or sanitary sewer, or removed by an Enbridge approved waste disposal provider). Upon completion of the hydrostatic testing, the pipeline is dried, purged of air and prepared for delivery of the product.
8. **Backfilling:** The backfilling crew backfills the originally excavated subsoil over the pipe in the trench. In shallow water table areas, the pipeline may be weighted to provide negative buoyancy. Surplus backfill material will be removed from the construction area. The trench line will be crowned where necessary to allow for soil settlement.
9. **Clean-Up and Restoration:** The clean-up crew is responsible for the restoration of the construction area and other work areas. In natural areas the clean-up crew undertakes restoration including re-seeding of the area and restoring ditch banks, watercourse crossings and wetland areas, and removing erosion and sediment controls. In developed areas the clean-up crew undertakes landscaping plans developed for site restoration.

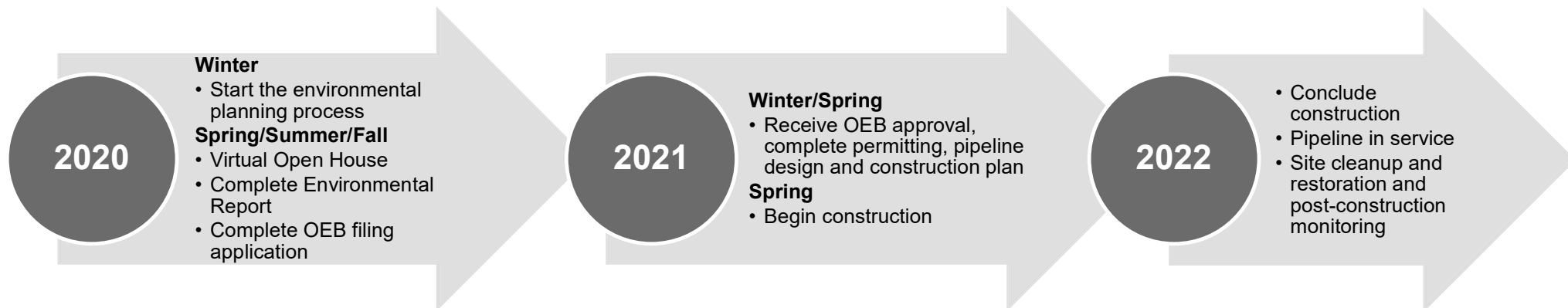


London Lines Replacement Project Virtual Open House

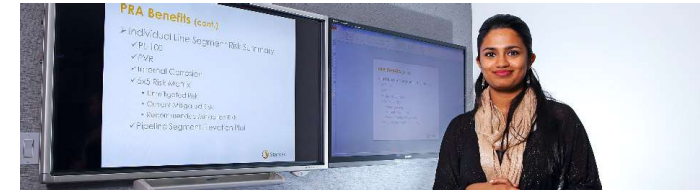


Next Steps

After this Virtual Open House, we intend to pursue the following schedule of activities:



London Lines Replacement Project Virtual Open House



Thank-you!

On behalf of the Project team, thank-you for listening to the Virtual Open House presentation. Please complete the Questionnaire, located in the Resources Tab.

Kelsey Mills

Environmental Advisor
Enbridge Gas Inc.
101 Honda Boulevard
Markham, ON L6C 0M6
Phone: (519) 780-8186
Email: LondonLines@Stantec.com

Rooly Georgopoulos

Senior Project Manager
Stantec Consulting Ltd.
300-675 Cochrane Drive, West Tower
Markham, ON L3R 0B8
Phone: (519) 780-8186
Email: LondonLines@Stantec.com

For more information about the proposed project, please visit our project website at:
<https://www.enbridgegas.com/About-Us> under "Projects"



Slide #	Slide Theme	Script
1	Welcome/ Our Commitment	<p>Welcome!</p> <p>Thank-you for viewing the Virtual Open House for the London Lines Replacement Project. To skip a slide, please press the 'next' button. A copy of the presentation slides is available for download from the Resources Tab, located in the top right corner. Questions and comments can be submitted using the questionnaire, also found on the Resources tab. An Enbridge Gas or Stantec representative will respond to your submitted inquiries.</p> <p>If you would like to receive future Project updates, please complete the "Contact Information" section of the questionnaire.</p> <p>Enbridge Gas provides safe and reliable delivery of natural gas to more than 3.7 million residential, commercial, and industrial customers across Ontario. Enbridge is committed to environmental stewardship and conducts all of its operations in an environmentally responsible manner.</p> <p>In addition, Enbridge is committed to involving community members and effected stakeholders in their projects. By providing you with up-to-date information in an open, honest and respectful manner, we hope to foster an inclusive conversation as we take you through the various stages of this proposed Project. All of your input is welcomed and will be carefully considered by the project team.</p>
2	Project Overview	<p>This Project will include the construction of approximately 75 kilometers of natural gas pipeline in order to improve integrity of the pipeline network and replace the two current pipelines known collectively as “the London Lines”. The Project will also include the construction of a secondary pipeline which will be approximately 10 and a half kilometers, to connect the replaced pipeline to Strathroy in the Municipality of Strathroy-Caradoc. The Project will start within the town of Dawn-Euphemia, will continue through the Municipality of Southwest Middlesex and will end at two locations.</p> <p>Pending approval by the Ontario Energy Board, construction is planned to begin as early as the spring of 2021 and be in service by the end of 2021.</p>
3	Purpose of the Virtual Open House	<p>Enbridge is committed to the health and safety of the public and its workers. In light of recent events surrounding the COVID-19 global Pandemic, Enbridge is providing a Virtual Open House as a safe alternative to an in-person information session. This Virtual Open House will follow current physical distancing requirements set out by the Province of Ontario and the Government of Canada.</p> <p>The Purpose of the Virtual Open House is to consult with Indigenous communities, the public and regulatory authorities regarding the proposed Preferred route and potential impacts. The Virtual Open House also</p>

		provides an opportunity for individuals to ask any questions and provide comments to representatives from Enbridge and Stantec.
4	Environmental Study Process	<p>The environmental study for the Project will be completed according to the Ontario Energy Board's Environmental Guidelines.</p> <p>The study will:</p> <ul style="list-style-type: none"> • Undertake consultation 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 minimize potential impacts; and, • Develop an appropriate environmental inspection, monitoring and follow-up program.
5	OEB Review and Approval Process	<p>The Ontario Energy Board is the body that regulates the natural gas industry in Ontario in the interest of the public. Enbridge will submit an application for this Project to the Board. This application is called a Leave to Construct application, and will include comprehensive information on the Project including:</p> <ul style="list-style-type: none"> • The need for the Project • An Environmental Report and mitigation measures • Facility alternatives • Project costs and economics • Pipeline design and construction • Land requirements, and • Consultation with Indigenous Communities <p>The Ontario Energy Board will then hold a public hearing to review the Project. If the Board determines that the Project is in the public interest it will approve construction of the Project.</p> <p>Additional information about the Ontario Energy Board process can be found on their website.</p>
6	Preferred Route Selection Process	<p>Potential Routes for the proposed pipeline will be selected through a five-step process:</p> <p>Step 1 includes developing routing parameters such as establishing a study area and routing objectives and creating an inventory of environmental and socio-economic features.</p>

		<p>Step 2 will Identify potential Alternative Routes in the study area using the routing parameters developed in step one.</p> <p>Step 3 includes a route evaluation conducted based on a quantitative and qualitative comparative evaluation of impacts to environmental and socio-economic features. Once complete potential routes will be determined.</p> <p>Step 4 includes gathering input on the potential routes.</p> <p>Step 5 will result in confirmation of a Preferred Route following consultation with Indigenous communities, the public and regulatory authorities.</p> <p>The location of the Preferred Route may be refined as the Project moves forward based on pre-construction field investigations, landowner requests and/or engineering and construction considerations.</p>
7	Route Evaluation Methodology	<p>A variety of pipeline routing constraints are present within the study area, including natural heritage features, slope, topography, and socio-economic features and landscapes. After creating a Geographic Information System (also known as GIS) database of opportunities and constraints, a routing exercise was undertaken that examined all constraints and opportunities to generate potential alternative segments.</p> <p>The alternative segments follow existing linear infrastructure where available and where possible, avoid existing environmental and socio-economic features.</p> <p>An interactive map that shows the proposed Route and the alternative segments can be accessed at the website found on this slide.</p>
8	Consultation	<p>Consultation is a key component of the Environmental Report being completed as part of the Leave to Construct Application. It helps to identify and address stakeholder concerns in the early stages of a project.</p> <p>Input from this Virtual Open House will be used to help finalize the preferred route and to create mitigation plans to be implemented in the final design and construction.</p> <p>Once the Leave-to-Construct application is submitted to the Ontario Energy Board, any party with an interest in the Project can participate in their review process.</p> <p>Additional information about the Ontario Energy Board process can be found on their website. www.ontarioenergyboard.ca</p>

9	Environmental Study Process	This slide shows the environmental study process that Enbridge follows as part of the Ontario Energy Boards Environmental Guidelines. Enbridge is currently nearing the end of the first phase.
10	Indigenous Peoples Policy	Enbridge 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 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 commits to pursue sustainable relationships with Indigenous Nations in proximity to where Enbridge conducts business. To achieve this, Enbridge will govern itself by the following principles as seen on this slide:
11	Environment, Health and Safety Policy	<p>Enbridge is committed to protecting the health and safety of all individuals affected by our activities.</p> <p>Enbridge provides a safe and healthy working environment and will not compromise the health and safety of any individual.</p> <p>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.</p> <p>Enbridge is committed to environmental protection and stewardship and we recognize that pollution prevention, biodiversity and resource conservation are key to a sustainable environment.</p> <p>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.</p>
12	Access and Land Requirements	<p>Once a Preferred Route is selected, Enbridge will begin discussions with landowners for the appropriate land rights necessary to construct the pipeline. Enbridge will work directly with all affected landowners in anticipation of acquiring early access agreements to gather essential information, along with negotiating necessary land rights. These land rights will consist of permanent easements or temporary land rights.</p> <p>Enbridge will ensure that a Land Agent is available to each landowner during all pipeline construction activities. The Land Agent will keep all landowners informed of project progress and assist with any concerns that may arise as a result of the construction activities.</p>
13	Agricultural Soils	Enbridge has established measures to preserve the integrity of agricultural soils throughout the construction phase. Please press “pause” to review the measures we may take. When you are ready to move onto the next slide, please press “next”.

14	Maintaining Agricultural Drainage Systems	<p>In order to maintain agricultural drainage systems, landowners will be contacted prior to construction to confirm the location and type of existing drains and any future drainage.</p> <p>Field tile will temporarily be re-routed during pre-construction activities to allow for proper drainage. Any damaged or severed drains will be repaired following construction. Landowners will be invited to inspect and approve the repair. Any on-going field tile issues resulting from pipeline construction will be addressed by Enbridge as required.</p>
15	Socio-economic Features	<p>The Project may be constructed through road right of ways, private business areas, agricultural and residential land, along with land regulated by Canadian Pacific and Canadian National railways, and land regulated by Hydro One and three conservation authorities.</p> <p>Potential socio-economic effects of construction include temporary increases in noise, dust and air emissions, increased construction traffic, temporary impairment of property use and vegetation clearing.</p> <p>Some of the mitigation measures that could be implemented during construction include providing access across construction areas, restricting construction to daylight hours, adhering to applicable noise by-laws, implementing a water well monitoring program, and re-vegetating cleared areas. Additional examples are provided on this slide for your review.</p>
16	Aquatic Resources	<p>Enbridge understands the importance of protecting wildlife during construction and therefore will implement recognized mitigation measures to minimize possible environmental effects.</p> <p>Potential Effects to aquatic environments include disruption and alteration to aquatic species and habitat, increased erosion, sedimentation, and turbidity resulting from removal of vegetation.</p> <p>The following are examples of mitigation measures that may be implemented to minimize the potential effects of construction:</p> <ul style="list-style-type: none"> • Waterbody Surveys. • Obtaining all agency permits and approvals. • Limit in-channel construction, where possible, and conform to fish timing window guidelines. • For in-channel construction, protect aquatic species and manage sedimentation and turbidity. • Restore and seed areas to establish habitat and reduce erosion; and • Replant vegetation along waterways.
17	Cultural Heritage Resources	<p>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.</p>

		As outlined on this slide, there are several mitigation measures that will be employed to minimize the potential effects construction could have on cultural heritage, as approved by the Ministry of Heritage, Sport, Tourism and Culture Industries.
18	Terrestrial Resources	<p>During construction, natural heritage features such as wildlife habitat and vegetated or wooded areas will need to be crossed. Potential effects include damage of vegetation and wildlife adjacent to the construction area.</p> <p>Prior to construction, surveys (including Species at Risk surveys) will be conducted to determine opportunities for wildlife habitat to exist. Construction areas will be clearly marked to avoid accidental damage, and affected areas will be restored or seeded to establish habitat and reduce erosion. Permits from conservation authorities, municipalities and agencies will be secured as required, and conditions outlined will be followed, in order to minimize damage and disturbance to vegetation and wildlife.</p>
19	Pipeline Design	<p>The high-grade steel pipeline is designed to meet or exceed the regulations of the Canadian Standards Association and the applicable regulations of the Technical Standards & Safety Association.</p> <p>Enbridge takes many steps to ensure safe, reliable operation of the network of natural gas pipelines, such as designing, constructing and testing pipelines to meet or exceed requirements set by industry standards and regulatory authorities, continuously monitoring the entire network, and perform regular field surveys to detect leaks and confirm corrosion prevention methods are working as intended.</p>
20	Pipeline Construction	On this slide you will find a description of typical pipeline construction procedures. Please press “pause” to review these procedures. When you are ready to move onto the next slide, please press “next”.
21	Next Steps	<p>Serving hundreds of communities in Ontario, we at Enbridge consider ourselves strong community partners who believe in and are committed to consultation.</p> <p>During the planning stages for this Project we have consulted and will continue to consult with Indigenous Communities, local landowners, government agencies and other interested parties that could be impacted by the Project.</p> <p>After this Virtual Open House is complete, we plan to complete our Environmental Report. Once the Environmental Report is complete, we will submit it to the Ontario Energy Board along with other Leave-to-Construct documents. We anticipate we’ll receive a response from the OEB in early 2021, pending approval, permitting, pipeline design and construction planning will then take place. We would plan to start construction in the spring of 2021. By early 2022, construction would conclude, the new pipeline will be in service, site clean-up and restoration will be underway and post-construction monitoring would begin.</p>

22	Thank-you	<p>On behalf of the Project team, thank-you for listening to the Virtual Open House presentation for the London Lines Replacement Project.</p> <p>If you have any questions or comments, or you would like to be kept up to date on the Project please complete the Questionnaire located in the Resources Tab. Please complete the Questionnaire by May 14, 2020 to be considered as part of the Environmental Report that will be submitted to the Ontario Energy Board.</p> <p>To return to a specific slide, please press the “menu” button and select the slide you wish to review. To close the presentation, please press the “save and exit” button. Thank-you!</p>
----	-----------	---

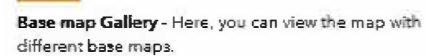
In the top right corner, you will see the following icons:



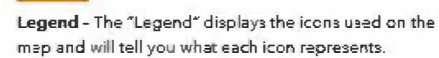
Example - if you would like us to know about a drainage ditch on your property, you can:

1. Click on the "point" logo for a single feature (i.e. a tree), the "line" logo for a linear feature (i.e. a 20m long drainage ditch) or the "area" logo for a feature that covers a large area (a forest that covers 1km²).
2. Next, click on the area of the map where you want to add the feature
3. Fill out the comment section (i.e. "there is a drainage ditch along 123 First Street"). You can also add a photo at this time.
4. Once you have added your feature, the application will lock your input. Click the X in the top right corner to close the edit pop up box and continue to edit/view the application.

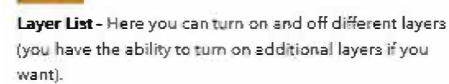
*** Due to privacy issues, all data collected will be saved automatically and will not be displayed for further viewing/edits.***



Example - If you want to look at the map using a topographic background image select the "Topographic" icon.



Example - the Study Area is a dashed red line.





London Lines Replacement Project Virtual Open House Questionnaire

Your comments are appreciated. If you require any assistance or clarification while completing the questionnaire, please send an email to LondonLines@stantec.com or dial (519)-780-8186 and leave a detailed message. If you have a question that requires a response, please fill out the Contact Information section at the end of this form and a representative will respond as soon as possible.

Please complete this questionnaire by May 14, 2020 to be considered as part of the Environmental Report submitted to the Ontario Energy Board.

1. What is your interest in this project?

- ☐ Directly affected landowner
- ☐ Surrounding landowner
- ☐ Interested citizen
- ☐ Member of interest group
- ☐ Government official
- ☐ Other (please specify)

2. What is your view of the proposed project? Please explain any issues or concerns.

3. Please indicate if the project will have any impacts to you, your property or your business that you would like addressed (i.e., access, noise, dust, traffic, etc.).

4. Please identify any features along the Preferred Route that you feel are important to consider during the environmental study.

5. Do you have any questions or comments about this project that you would like to bring to our attention?

6. Did the content provided in the Virtual Open House meet your needs?

7. How did you hear about the Virtual Open House? Check all

that apply:

- ☐ Newspaper Advertisement
- ☐ Project Notification Letter
- ☐ Social Media Post (i.e. Facebook)
- ☐ Word of Mouth

Thank you for completing this questionnaire. If you would like to be informed of project updates, please provide us with your full contact information. If you have a question about the project that has not been addressed or for which you would like more information, please email us at LondonLines@stantec.com or dial (519)-780-8186 and leave a detailed message.

8. Contact Information

Name

Address

Email

Phone

Information will be collected and used in accordance with the Freedom of Information and Protection of Privacy Act. This information will be used to assist Enbridge Gas Inc. in meeting applicable approval requirements. This material will be maintained on file for use during the study and may be included in project documentation. Unless indicated otherwise, personal information and all comments will become part of the public record and may be publicly released as part of project documentation.



See how easy it is to [create a survey](#).

[Privacy & Cookie Policy](#)