

**EB-2019-0172: 2020 WINDSOR LINE
REPLACEMENT PROJECT**

FINAL MONITORING REPORT

**Prepared By: Enbridge Gas Inc.
Environment
May 2023**

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1.0 INTRODUCTION

This Final Monitoring Report is provided pursuant to the Ontario Energy Board (“OEB”) Decision and Order for the EB-2019-0172 proceeding. In that Decision and Order, dated April 1, 2020, the OEB granted Enbridge Gas Inc. (“Enbridge Gas”) leave, pursuant to subsection 90(1) of the OEB Act, to construct a natural gas pipeline and ancillary facilities replacing approximately 64 kilometres of the Windsor pipeline in the Municipality of Chatham-Kent and the Towns of Lakeshore and Tecumseh (the “Project”). Enbridge Gas also applied under section 97 of the Act for approval of the forms of agreement it will offer to landowners to use their land for routing or construction of the proposed pipeline.

The new pipeline commenced at Port Alma Natural Gas facility (ST2900) and followed County and Municipal road allowance to Rochester Townline Natural Gas facility (ST2884). From here it was installed north to Essex County Road 46 and ran west, following this road allowance to the New Sandwich Natural Gas facility. The majority of the Project was constructed in road allowance. Enbridge Gas acquired both the new permanent and temporary land rights necessary for the construction of the Project from individual landowners. Please see Appendix A of this report for a map of the entire pipeline route.

The requirements for and details of this Final Monitoring Report are outlined in the specific conditions issued by the OEB in its EB-2019-0172 Decision and Order as listed below. The complete Conditions of Approval (“COA”) can be found in Appendix B of this report. The COA addressed in this report are as follows:

1. Enbridge Gas Inc. (Enbridge Gas) shall construct the facilities and restore the land in accordance with the OEB’s Decision and Order in EB-2019-0172 and these Conditions of Approval.
3. Enbridge Gas shall implement all the recommendations of the Environmental Report filed in EB-2019-0172, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.

4. Enbridge Gas shall advise the OEB of any proposed change in the project, including but not limited to changes in: OEB-approved construction or restoration procedures, the proposed route, construction schedule and cost, the necessary environmental assessments and approvals, and all other approvals, permits, licences, certificates and rights required to construct the proposed facilities. Except in an emergency, Enbridge Gas shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.
5. Concurrent with the final monitoring report referred to in Condition 6(b), Enbridge Gas shall file a Post Construction Financial Report, which shall provide a variance analysis of project cost, schedule and scope compared to the estimates filed in this proceeding, including the extent to which the project contingency was utilized. Enbridge Gas shall also file a copy of the Post Construction Financial Report in the proceeding where the actual capital costs of the project are proposed to be included in rate base or any proceeding where Enbridge Gas proposes to start collecting revenues associated with the project, whichever is earlier.
6. Both during and after construction, Enbridge Gas shall monitor the impacts of construction, and shall file with the OEB one paper copy and one electronic (searchable PDF) version of each of the following reports:
 - (a) A post construction report, within three months of the in-service date, which shall:
 - i. Provide a certification, by a senior executive of the company of Enbridge Gas' adherence to Condition 1
 - ii. Describe any impacts and outstanding concerns identified during construction
 - iii. Describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of construction

- iv. Include a log of all complaints received by Enbridge Gas, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions
- v. Provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project

(b) A final monitoring report, no later than fifteen months after the in-service date, or, where the deadline falls between December 1 and May 31, the following June 1, which shall:

- i. Provide certification, by a senior executive of the company, of Enbridge Gas' adherence to Condition 3
- ii. Describe the condition of any rehabilitated land
- iii. Describe the effectiveness of any such actions taken to prevent or mitigate any identified impacts of construction
- iv. Include the results of analyses and monitoring programs and any recommendations arising therefrom. Include a log of all complaints received by Enbridge Gas, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions

- 7. Enbridge Gas shall designate one of its employees as project manager who will be responsible for the fulfillment of these conditions, and shall provide the employee's name and contact information to the OEB and to all the appropriate landowners, and shall clearly post the project manager's contact information in a prominent place at the construction site.

2.0 BACKGROUND

The Windsor Line is a distribution pipeline that receives gas from the Enbridge Gas Panhandle Transmission System and provides natural gas service to residents and businesses from Port Alma, in the Municipality of Chatham-Kent to the City of Windsor, located in the County of Essex. A significant portion of the Windsor Line was installed in the 1930s, 1940s and 1950s.

Enbridge Gas stated in its Leave to Construct evidence that annual surveys and inspections of the Windsor Line have identified multiple integrity issues which, if not addressed, are expected to impact both the safety and security of supply of the pipeline. These integrity issues are evident by the history of leakage and sections that have poor depth of cover (less than 0.6 metres). Repairing pipeline leakage and depth of cover has become increasingly costly with the vintage pipe that is not weldable and sections of the pipeline that cannot be isolated because of inoperable mainline valves.

In responses to questions from parties, Enbridge Gas confirmed that there are currently 24 active leaks and 3 inoperable mainline valves and also provided information showing that leaks had increased from 20 in 2017 to 34 in 2019. Enbridge Gas stated that the most recent depth of cover survey identified approximately 19 kilometres of pipe at a depth of cover of less than 0.6 metres, with 23 locations with exposed pipe.

Enbridge Gas submitted that there are currently three inoperable mainline valves and isolating the pipeline would result in significant customer outages. There are 399 residential and commercial customers directly served off the section of pipeline that Enbridge Gas proposed to replace.

Enbridge Gas submitted that the Windsor Line was deemed a high operational risk in April 2017. The Project was identified in Enbridge Gas' Utility System Plan and Asset Management Plan filed in Enbridge Gas' 2019 rate application.¹

¹ EB-2018-0305, Exhibit C1, Tab 1, Schedule 1 and Exhibit C1, Tab 2, Schedules 1 and 2.

Enbridge Gas applied to the OEB under section 90(1) of the *Ontario Energy Board Act, 1998* for an order granting leave to construct the Project on August 9, 2019, with the OEB granting a *Leave to Construct* for the Project on April 1, 2020.

Construction was initiated on April 3, 2020 and the pipeline was placed into service on September 10, 2021. Clean-up and land restoration was completed in spring 2022. Enbridge Gas will return in spring 2023 to continue vegetation monitoring programs. Enbridge Gas will continue to respond to municipal or landowner concerns regarding restoration as required.

3.0 POTENTIAL IMPACTS AND MITIGATION

3.1 Condition 1

Enbridge Gas Inc. (Enbridge Gas) shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2019-0172 and these Conditions of Approval.

Enbridge Gas constructed the facilities and restored the land in accordance with the OEB's Decision and Order in the EB-2019-0172 proceeding and the Conditions of Approval.

3.2 Condition 3

Enbridge Gas shall implement all the recommendations of the Environmental Report filed in EB-2019-0172, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.

Enbridge Gas implemented all the recommendations of the Environmental Report filed in the proceeding and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review. Please refer to Table 1 to confirm Enbridge Gas's adherence to the recommendations and mitigation measures identified in the Environmental Report.

3.3 Condition 4

Enbridge Gas shall advise the OEB of any proposed change in the project, including but not limited to changes in: OEB-approved construction or restoration

procedures, the proposed route, construction schedule and cost, the necessary environmental assessments and approvals, and all other approvals, permits, licences, certificates and rights required to construct the proposed facilities. Except in an emergency, Enbridge Gas shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.

Enbridge Gas advised the OEB of changes in the project through the filing of three Change Requests. The Change Requests were filed on April 22, 2020 (“CR-1”), May 26, 2020 (“CR-2”) and July 23, 2020 (“CR-3”). Enbridge Gas received OEB approval for the Change Requests on May 1, 2020, June 3, 2020 and August 14, 2020, respectively. Cover letters of Enbridge Gas’s Change Requests and OEB approvals are provided in Appendix C of this report.

3.4 Condition 6

Both during and after construction, Enbridge Gas shall monitor the impacts of construction, and shall file with the OEB one paper copy and one electronic (searchable PDF) version of each of the following reports:

- (a) *A post construction report, within three months of the in-service date, which shall:*
- i. Provide a certification, by a senior executive of the company of Enbridge Gas’ adherence to Condition 1;*
 - ii. Describe any impacts and outstanding concerns identified during construction;*
 - iii. Describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of construction;*
 - iv. Include a log of all complaints received by Enbridge Gas, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions;*
 - v. Provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project;*

A Post Construction Report that satisfied the above conditions was completed and filed with the OEB on December 10, 2021.

(b) *A final monitoring report, no later than fifteen months after the in-service date, or, where the deadline falls between December 1 and May 31, the following June 1, which shall:*

i. Provide certification, by a senior executive of the company, of Enbridge Gas' adherence to Condition 3

This Final Monitoring Report is being filed with the OEB. This report is certified by Dave Lamoureux, Director of Core Programs, that Enbridge Gas has implemented all the recommendations of the Environmental Report filed in the EB-2019-0172 proceeding and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review. This is confirmed by the executive certification that is provided in Appendix D of this report.

ii. Describe the condition of any rehabilitated land

All disturbed land has been returned to at least pre-construction conditions or to the satisfaction of the impacted municipalities/directly impacted landowners. The land that was disturbed during construction was successfully restored to functioning and stable roadway/road allowance. Where the rehabilitated land was located in natural areas, the land has been re-vegetated or was returned to a suitable state for agricultural operations and no further clean-up is required. Please see Appendix E for a photo log of the restored land.

iii. Describe the effectiveness of any such actions taken to prevent or mitigate any identified impacts of construction

The actions taken to prevent or mitigate any identified impacts of construction were successful and are outlined in Table 1 of this report.

- iv. *Include the results of analyses and monitoring programs and any recommendations arising therefrom. Include a log of all complaints received by Enbridge Gas, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions.*

A summary of the results of analyses and monitoring programs and any recommendations arising there from are presented in Section 3.4.1 Monitoring programs.

3.4.1 Monitoring Programs

Archaeological Assessments

Enbridge Gas retained the services of Stantec to complete Archaeological Assessments for the project area. Clearance letters were received from the Ministry of Heritage, Sport, Tourism and Cultural Industries (“MHSTCI”) for the Stage 1 and Stage 2 Archaeological Assessments; no Stage 3 or Stage 4 sites were identified.

Enbridge Gas reported to the OEB and MHSTCI on April 16, 2020 that topsoil stripping on two small parcels of land occurred following a Stage 2 Archaeological Assessment prior receiving written clearance from MHSTCI. Written clearance for these locations was received from MHSTCI on April 28, 2020 and the initial notification letter and subsequent clearance letter can be found in Appendix C.

All archaeological clearances were received for the project.

Watercourse Monitoring

It was necessary to cross numerous watercourses as part of the Project. All watercourse crossings were reviewed and approved by Fisheries and Oceans Canada (“DFO”) and either Lower Thames Valley Conservation Authority (“LTVCA”) or Essex Region Conservation Authority (“ERCA”).

Five watercourse crossings were crossed using the horizontal directional drilling (“HDD”) technique with all other watercourse crossings using an isolated dry crossing technique (dam and pump). All watercourse crossings were performed in accordance to permits and approvals.

Watercourses were protected prior to, during and following construction with sediment fencing. Immediately following pipeline crossings and immediately following temporary access removals, disturbed areas adjacent to the watercourses were seeded and protected with erosion control blankets and approved materials.

All watercourse crossings were monitored during construction by an Environmental Inspector and were inspected in the spring of 2022 to ensure bank stability, vegetation re-establishment is restored. Further mitigation measures will be implemented as required at that time. All watercourses were also monitored after excessive rainfall events to verify the effectiveness of the sediment and erosion control measures.

Species at Risk

Prior to construction, Stantec completed detailed habitat assessments and field surveys to confirm Species at Risk (“SAR”) habitat and species occurrences in the Project Area. The surveys identified habitat for Eastern Fox Snake, Butler’s Gartersnake and potential habitat for several SAR bat species.

All required approvals and mitigation plans were received and followed throughout construction to ensure compliance with the Endangered Species Act. These included the identification and avoidance of habitat. Mitigation for SAR bats species was completed by conducting tree clearing operations outside of the maternity roosting periods (May 1 through September 31).

Tree Removal

Tree removal was completed in March and April of 2020 to avoid avian nesting and bat maternity roosting windows.

Sediment and Erosion Control Monitoring

All sediment and erosion controls in active and inactive workspaces were inspected regularly. Weekly inspections were completed throughout the Project to identify and address any controls that required maintenance. Full site inspections on all sediment and erosion controls following any significant rain event or severe snow melt.

Environmental Inspection

For the duration of the project a full time Environmental Inspector was onsite daily. The duties of the Enbridge Gas Environmental Inspector are as follows:

- Monitoring compliance with environmental commitments.
- Confirming approvals are in place and that approval conditions are followed.
- Recommending additional or alternative mitigation measures.
- Noting potential adverse environmental effects.
- Identifying site-specific issues.
- Documenting any pre-existing environmental issues (e.g., previously admixed soils).
- Determining the status of the environmental issues following construction.
- Working with Enbridge Gas Environment and Construction Management to prepare the Environmental As-Built Report.

3.5 Condition 7

Enbridge Gas shall designate one of its employees as project manager who will be responsible for the fulfillment of these conditions, and shall provide the employee's name and contact information to the OEB and to all the appropriate landowners, and shall clearly post the project manager's contact information in a prominent place at the construction site.

Enbridge Gas designated Tammy Mungar as the Project Manager who is responsible for the fulfillment of these conditions and provided notification to the OEB on May 1, 2020. The employee's name and contact information was provided

to the OEB, all the appropriate landowners and was clearly posted in prominent locations at the construction site.

4.0 SUMMARY

This Final Monitoring Report has been prepared pursuant to the Conditions of Approval contained in the OEB Decision and Order for the EB-2019-0172 proceeding. This report provides confirmation that Enbridge Gas has implemented all the recommendations of the Environmental Report filed in the proceeding and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review. This report also describes the condition of the rehabilitated land, the effectiveness of any actions taken to prevent or mitigate any identified impacts of construction, and the results of analyses and monitoring programs and any recommendations arising therefrom. Lastly, this report confirms that Enbridge Gas successfully rehabilitated the land disturbed from construction and there are no outstanding concerns. It is anticipated that the mitigation measures and rehabilitation efforts implemented during construction will effectively eliminate any long-term impacts to the environment.

Table 1

Potential Impacts and Mitigation Measures

Activity/Component	Potential Impacts/Concerns	Mitigation Measures
a) Pre-pipeline Construction	<ul style="list-style-type: none"> • Pipeline construction may be disruptive to landowners. 	<ul style="list-style-type: none"> • Prior to pipeline construction, the Lands Relations Agent and Construction Superintendent met with all directly affected landowners to discuss construction and identify any concerns that may need to be addressed.
b) Surveying	<ul style="list-style-type: none"> • Surveying may be disruptive to the landowners. 	<ul style="list-style-type: none"> • Landowners and tenants were notified of intent to enter their property.
c) Accesses	<ul style="list-style-type: none"> • Crossing of watercourses. • Vehicular traffic may cause soil rutting, compaction or mixing. 	<ul style="list-style-type: none"> • Permits from the Essex Region Conservation Authority were obtained and the conditions were followed prior to construction of accesses across watercourses. • Culverts and clear span bridges were utilized in the construction of accesses to ensure existing drainage patterns were maintained. • Sediment fencing, erosion control matting, and vegetative covers (i.e. grasses) were used alongside watercourses to minimize run-off and erosion. • Geotextile fabric was used where required for new temporary access roads to provide additional stability, minimize compaction, and minimize topsoil mixing with granular material.
d) Clearing	<ul style="list-style-type: none"> • The removal of trees and vegetation. 	<ul style="list-style-type: none"> • Landowners were eligible for the Enbridge Gas Tree

Activity/Component	Potential Impacts/Concerns	Mitigation Measures
		<p>Replacement Program.</p> <ul style="list-style-type: none"> • Trees cut from woodlots will be replaced at a 2:1 per area basis. • The harvesting of trees was minimized as much as practical. • All tree clearing was done outside the migratory bird nesting season (April 1 – August 31). • Specification CSPL-03 was followed.
e) Grading	<ul style="list-style-type: none"> • Grading may be necessary for the construction of access roads or work areas. On agricultural lands, grading has the potential to impact soil productivity by disrupting tile drains and causing soil mixing, rutting and compaction, particularly during wet soil conditions. 	<ul style="list-style-type: none"> • Grading was not conducted on wet soils. • Topsoil was stripped and stockpiled on the edge of the easement. • Topsoil stripping was monitored to ensure there was adequate separation of topsoil and subsoil. • Specification CSPL-05 was followed.
f) Stringing	<ul style="list-style-type: none"> • Stringing trucks may impact soil productivity due to soil compaction, rutting, and mixing. 	<ul style="list-style-type: none"> • Specification CSPL-11 was followed.
g) Trenching	<ul style="list-style-type: none"> • Trenching may cause soil mixing (topsoil and subsoil mixing), which may impact soil productivity. 	<ul style="list-style-type: none"> • Trenching followed Specification CSPL-06. • Prior to trenching, topsoil was separated from subsoil as per Specifications CSPL-04 and CSPL-05.
h) Backfilling	<ul style="list-style-type: none"> • Improper backfilling may cause 	<ul style="list-style-type: none"> • Specification CSPL-17 was followed.

Activity/Component	Potential Impacts/Concerns	Mitigation Measures
	topsoil/subsoil mixing.	
i) Hydrostatic Testing	<ul style="list-style-type: none"> • Discharge of hydrostatic test water may cause erosion at the point of discharge and may impact the receiving environment. 	<ul style="list-style-type: none"> • Measures were used to prevent erosion at the point of discharge. • Water sampling and analysis was completed to ensure that all hydrostatic test water met the applicable water quality standards prior to being released into the environment.
j) Site Restoration	<ul style="list-style-type: none"> • Improper site restoration may affect soil productivity. 	<ul style="list-style-type: none"> • Restoration followed Specification CSPL-19. • Disturbed areas were restored back to pre-construction conditions or better through topsoil replacement, re-grading, soil decompaction, seeding, and erosion control where required. • The Lands Relations Agent has ensured and will continue to ensure that the landowners are satisfied with the restoration measures completed on their property.
k) Fuel Storage and Handling	<ul style="list-style-type: none"> • Improper fuel storage and handling may cause spillage and possible contamination of soil. 	<ul style="list-style-type: none"> • Fuel was not stored near watercourses or wetlands (i.e. within 50 m). • Fuel was stored within impervious containment. • Spill clean-up material (i.e. absorbent pads) was stored on-site and available at all times.
l) Liquid and Solid Waste Handling	<ul style="list-style-type: none"> • Liquid waste, solid waste, and lubricants 	<ul style="list-style-type: none"> • Liquid and solid wastes were properly stored, handled, and

Activity/Component	Potential Impacts/Concerns	Mitigation Measures
	<ul style="list-style-type: none"> must be properly handled, stored and disposed of to avoid potential contamination of the surrounding area. 	<ul style="list-style-type: none"> disposed of at an approved location. The area was cleared of all debris and litter during and after construction.
m) Fence Removal	<ul style="list-style-type: none"> Fences were removed during construction. 	<ul style="list-style-type: none"> Temporary fences were erected per Specification CSPL-01 and fences were repaired to Specification CSPL-19.
n) Archaeology, Cultural Heritage Landscapes, and Built Heritage Resources	<ul style="list-style-type: none"> Disturbance of heritage resources. 	<ul style="list-style-type: none"> Archaeological Assessments were completed prior to construction. Direction was given to stop construction if an artifact was encountered and to notify the Ministry of Tourism, Culture and Sport. A Cultural Heritage consultant was retained to determine if impacts to cultural heritage landscapes and/or built heritage resources were anticipated.
o) Species at Risk	<ul style="list-style-type: none"> Impacts to species and their habitat. 	<ul style="list-style-type: none"> Enbridge Gas obtained a Letter to Proponent from the Ministry of Environment Conservation and Parks determined contravention of the Endangered Species Act was not likely if the mitigation presented was followed. There were no impacts to species at risk during construction.
p) Watercourse Crossings	<ul style="list-style-type: none"> Impacts to water quality, fish, and bank stabilization. 	<ul style="list-style-type: none"> Enbridge Gas obtained permits from the Essex Region Conservation Authority and Lower Thames Conservation Authority as

Activity/Component	Potential Impacts/Concerns	Mitigation Measures
		<p>well as a clearance from Fisheries and Oceans Canada for watercourse crossings.</p> <ul style="list-style-type: none"> • Watercourses were crossed following Enbridge Gas's DFO-endorsed sediment control plans for Dam & Pump. • Watercourses were restored back to pre-construction conditions or better. The banks were seeded and covered with erosion control blankets immediately after backfill to ensure bank stabilization/re-vegetation.
q) Water Wells	<ul style="list-style-type: none"> • Disruption to water supply. 	<ul style="list-style-type: none"> • If water quality/quantity concerns occurred as a result of construction activities, the Company would supply potable water until the situation was corrected. • Enbridge Gas implemented its standard well monitoring program.
r) General Construction Work	<ul style="list-style-type: none"> • Noise from the pipeline equipment and/or service vehicles may disrupt nearby residents. • Dust from pipeline equipment could be a disturbance to landowners and the public. • Pipeline equipment could damage underground utilities. 	<ul style="list-style-type: none"> • Noise was controlled to the greatest extent possible to minimize the disruption to nearby residents. • All equipment was properly muffled. • Municipal noise by-laws were adhered to. • Dust on the right-of-way was controlled with a water truck as required. • Locates were obtained from all utilities. • Any damages to utilities were repaired as soon as possible.

Table 2

Complaint Tracking System

LANDOWNER COMPLAINT SUMMARY

Windsor Line Replacement Project

Date	W#	ISSUE	RESOLUTION	STATUS
June 19 2020	W-020	Landowner inquired as to when R/A will be restored where new pipeline installed and also in front of property. Landowner advised it would be in couple of months. Landowner unwilling to wait and put up with mess that long.	Landowner compensated for landscaping in front of property.	Resolved
Sept. 6 2020	W-020	Landowner claims a John Deere Lawnmower was damaged from a large rock that was unearthed during construction, left in R/A he mows and maintains.	Landowner compensated for damage to J.D. Lawnmower.	Resolved
Sept 10 2020	W-028	Landowner claims lost internet service due to Drilling Bore Unit setup near house blocking signal.	LRA contacted Landowner's Internet Provider about issue. Internet Provider sent a crew to residence to install temporary service - satellite dish installed on back porch roof.	Resolved
March 29 2021	A-071	Landowner claiming subsidence at the road from where NPS 10 pipeline removed in 2020.	Landowner compensated for adding topsoil and Land Leveling low subsidence area.	Resolved
June 19 2021	A-028	Landowner claiming private water line leaking at the corner of Wheatley Rd & Goodreau Line due to excavation for new NPS 10 installation bore under Wheatley Rd.	Chatham-Kent Public Works crew repaired leak once we completed our NPS10 installation under Kent Rd #1 (Wheatley Rd.)	Resolved
July 10 2021	W-003F	Landowner claiming soybean field flooded during a heavy rainstorm and water backed up into their field, stunting soybean crop growth due to topsoil pile from stripped TLU area not allowing water to flow to the ditch.	Landowner to be compensated for flooded crop loss once harvested to determine actual yield loss.	Resolved

Aug. 28 2021	W-003B	Tenant Farmer claiming water ponding along headlands where HDD located - unable to cultivate and plant.	Tenant Farmer compensated to Land Level low spot with topsoil and cultivate to decompact the soil.	Resolved
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**Resident COMPLAINT SUMMARY
Windsor Line Replacement Project 2020-2022**

Date	ISSUE	RESOLUTION	STATUS
1-Mar-20	Further to notification that Enbridge Gas would be trimming an overgrown cedar hedge along the property line to accommodate fencing around Station; the Company was advised by a neighboring House Lot Stakeholder that the cedar hedge planted by them for privacy purposes and that they do not want it trimmed and/or touched.	Fencing around Station to be moved two (2) meters off property line so cedar hedge will not be impacted.	Resolved
March 1 2020	Landowner voiced concern with the removal of large tree on Station property and asked if the Company acquired the necessary permits	Meeting setup onsite with Landowner with Enbridge Gas Environmental Inspector to address concerns with tree removal.	Resolved
9-Mar-21	Resident called about wanting subsoil.	Referred call to a Land Relations Agent (LRA) who in turn made arrangements for the topsoil to be delivered to the resident.	Resolved

12-Mar-21	Resident is complaint that contractors are on his private property and did not ask permission.	<p>Update from LRA: Received a call from the resident; had a pleasant and general conversation of the pending NPS6 new pipeline install work and the additional new services required to the residence in the Town of Woodslee where he lives. Works in construction himself so understands the process required to do our work and our rights to access the properties. Main concern voiced is about G-Tel and other service crews walking around on his property unannounced – would like whoever is coming on the property to make themselves known. I indicated we could have a sign made and posted if that would help but the ON1 Calls made by our Contractor Aecon gives the service providers certain rights to come on the private properties to perform their work on locating underground services so we can conduct our work safely.</p> <p>They appreciated the call and listening to his concerns but was going to speak with his lawyer on what rights we have and don't have. I indicated that was his prerogative but to call me anytime if he has any further questions or concerns. Update: Resident called Stakeholder Relations and was satisfied with the responses provided.</p>	Resolved
23-Mar-21	Landowner called to advise she has another building on the property where she lives and she would like natural gas access for that property as well.	Provided Get Connected to Gas information.	Resolved
30-Mar-21	Landowner called to complain regarding customer service. She wanted to know if someone else could assist with this request.	I reached to LRA for assistance. He contacted the landowner and went through the process and reviewed the key details needed to finalize the Get Connected to Gas form. The resident was satisfied.	Resolved
5-Apr-21	Landowner called in response to a letter he received re: storing equipment, pipes, vehicles etc. on his property.	Advised the landowner if we are in need of his property, our land agent would be in contact with him. The resident was satisfied.	Resolved
23-Apr-21	Landowner requires subsoil and wanted to know if the Company could provide this.	Referred land issue to LRA to resolve. Update: LRA spoke to the landowner and advised the subsoil will be stockpiled later in the Project and once it is tested and approved; the landowner could help himself.	Resolved

May 17 2021	Resident called for restoration work to be completed on his lawn and the overall landscape of his property.	The construction crew restored the resident's property on May 20 and he is satisfied with the results.	Resolved
26-May-21	Spoke to LRA about the issue.	LRA coordinated with the construction crew.	Resolved
1-Jun-21	Landowner called to get connected to gas.	The landowner was provided the website and phone number to get connected.	Resolved
1-Jun-21	Landowner emailed and mentioned someone came to his property advising that he has the opportunity to move the gas meter.	Referred to LRA. LRA confirmed the Enbridge Gas Inspector visited the landowner and discussed where to move his gas meter.	Resolved
21-Jun-21	Resident called to complain about damage to their culvert.	Advised culvert will be restored during the clean up/restoration phase of the WLR project.	Resolved
8-Jul-21	Resident inquired as to whether they qualify for a new meter and if he could move his meter too.	Spoke to LRA. The Enbridge Gas inspector will manage this.	Resolved
9-Jul-21	Resident filed a complaint indicating that Enbridge Gas damaged a drain and the damage is affecting his sump pump and eaves drop.	Spoke to LRA about the issue and he will visit the property. Update: the resident called back to thank Enbridge Gas for fixing the problem in a timely manner.	Resolved
9-Jul-21	A resident wanted to know when they would get connected to gas.	The resident was provided the connected to gas phone number.	Resolved
12-Jul-21	Landowner called to complain about the noise from odourization and flaring.	LRA spoke to the resident and all is well.	Resolved
13-Jul-21	A resident would like to move his gas meter as his log home has experienced sun damage and his home needs to get repaired. His contractor is unable to complete the work due to the gas meter being too close to his property.	An Enbridge Gas inspector visited the property and advised that Enbridge Gas will move his gas meter as requested.	Resolved

14-Jul-21	A resident wanted to know how the WLR project is affecting her property and when the old pipe will be removed from her land. Referred to LRA.	LRA called the land owner and advised her the plan is to still remove NPS10 pipeline sometime this year pending completion of our NPS6 pipeline from Comber Station to Sandwich Station.	Resolved
14-Jul-21	A resident called to complain about the pipe on his property and the approx.. 50 locate flags on his property.	Discussed matter with LRA. Update: LRA spoke to the resident however the resident was not satisfied with his answers. LRA referred the matter to Enbridge Gas inspectors who resolved the issue.	Resolved
24-Aug-21	A resident complained that a vendor working for Enbridge Gas came to her property unannounced and his vehicle had no Enbridge Gas signage.	Spoke to the resident and confirmed it was Enbridge Gas.	Resolved
Aug. 24 2021	A Landowner claimed their white cedar trees were damaged during NPS10 pipeline construction and excavating for new service connect for residence. The resident would like them replaced.	Per discussion with Landowner, LRA had seven (7) new 4'-5' high replacement white cedar trees delivered to the Landowner. Per discussion, Landowner agreed to plant trees once delivered.	Resolved
16-Sep-21	Resident emailed to learn how to get connected to the new gas line.	Enbridge Gas provided phone and website to get connected to gas.	Resolved
18-Sep-21	LRA call from Landowner, has no natural gas supply for residence	Enbridge Gas representative contacted Third Party service company to relight house within couple of hours receiving phone call.	Resolved
27-Sep-21	Landowner claiming 4" plastic sump pump tile from the house to roadside ditch plugged/damaged when hydro-vaced prior excavating for the first stage cut new gas line.	Pipeline Contractor hydro-vaced ditch area to locate sump pump tile. Identified sump pump 4" tile broken in several sections prior to ditch due to age of the tile.	Resolved
29-Sep-21	Spoke to resident about the lighting of their pilot light.	Spoke to LRA to get an idea of when the whole process happens. Enbridge Gas representative called the resident back and advised the lighting of her pilot late will happen at the end of the project (November 2021). If the resident isn't home when a contractor comes by, they will leave a note with contact information to arrange an appointment.	Resolved

Apr-22	Landowner claiming we damaged septic & weeping tile bed at the front of property in 2021 during NPS6 2021 construction when installing new gas service regulator and gas line service to the house.	After further discussion and investigation, agreed to compensate Landowner for replacement of new septic and weeping tile tile by Landowner's preferred Contractor	Resolved
May-22	Received email from Public Affairs representative Landowner claiming we damaged his and his son's driveway entrance culvert during NPS6 pipeline construction in 2021.	LRA and Chief Inspector looking after service connects in 2021 met with Landowner to address concerns. Inspector mentioned never used their driveway during installation of new gas distribution line in the Village and son's culvert already damaged prior to our work and immediately pointed out to his son at the time. After further discussion, Landowner concurred that our work probably didn't cause the damage, more a coincidence; and time for replacement.	Resolved
Jun-22	Landowner mentioned in notification call, new meter install needs further reclamation - pavement repaired where they cut it to install new meter.	Contractor sent crew to repair new meter location to do an asphalt cold patch around meter location.	Resolved
Jun-22	Landowner claiming, we damaged parking lot during 2021 NPS6 construction when installing new gas service to the building.	LRA met with Landowner several times to resolve matter, stating parking lot already damaged and have pictures confirming same. Willing to restore grass area where we had our TLU and repair concrete beside the building where we installed new gas meter only. Further to last conversation in August, Landowner indicated doesn't want anyone on his property until he's spoken with his Lawyer to address matter. Complaint has been resolved with contractor attending the location and corrective actions have been completed.	Resolved
Jun-22	Landowner wants landscaped garden area at the front where new regulator installed repaired - plants replaced and new mulch spread in area.	LRA met with Landowner and agreed to compensate Landowner for restoring of garden area.	Resolved
Jun-22	Landowner wants cedar tree replaced that was moved during NPS6 construction in 2021.	LRA met with Landowner and agreed to compensate Landowner for looking after replacement and installation of cedar tree.	Resolved

Jun-22	LRA received call from Landowner stating sign bases left in hay field from last year caught-up in Combine this year when doing 1st cut - wants to be compensated for repair to his equipment	AECON Pipeline Contractor to compensate Landowner for repair of equipment	Resolved
Jul-22	Landowner not satisfied with recent restoration of lands where new service regulator installed - full of stones and only partially restored around tree area that was impacted	LRA and Chief Inspector met with Landowner - identified issues and concerns. Crew sent back the following day to address land restoration concerns.	Resolved
Jul-22	Landowner not satisfied with recent restoration of lands at west-end of the property in road allowance - rough and unable to mow	Crew re-visited site, adding more topsoil, leveling and seeding area again	Resolved
Aug-22	Landowner wants old NPS10 pipeline cut and capped so he can remove field drainage culvert he installed earlier under NPS10 pipeline, to get his farm field to drain better	LRA and Chief Inspector met with Landowner on an agreed plan to cut and cap old NPS10 pipeline	Resolved
Aug-22	Landowner claiming missed during restoration of lands in the spring - have subsidence where excavation done at the road for regulator and new meter installed at the house	LRA having Contractor address issues & concerns	Resolved
Aug-22	LRA received call from Landowner stating concrete culverts where Contractor crossed during 2021 NPS6 construction activities have "popped apart" and would like them fixed	LRA having Contractor address issues & concerns	Resolved
Aug-22	LRA received call from Landowner claiming subsidence where regulator and new meter installed - would like it repaired	LRA having Contractor address issues & concerns	Resolved

Aug-22	LRA received email from Enbridge Public Relations representative stating Landowner missed in 2022 Clean-up and restoration of lands.	LRA having Contractor address restoration of property	Resolved
Sep-22	LRA received call from Landowner requesting page wire fence be re-installed where it was taken down during Woodslee Station build.	LRA having Contractor address issues & concerns	Resolved
Sep-22	LRA received call from Landowner about "hydro-seeding" done along road allowance in front of property - just weeds; willing to re-work lands and seed if we pay for grass seed	LRA dropped off Gift Card as compensation for Landowner seeding/restoring grass at the front of property	Resolved

Appendix A

Project Mapping



Michigan

Lake St. Clair

Municipality Of Chatham-Kent

Windsor

Tecumseh

E C Row Expressway

Lakeshore

401

Sandwich Compressor Station

County Road 46

Lakeshore Road 309

Port Road

Comber Transmission Station

77

Goodreau Line

Essex

3 County Of Essex

Wheatley Road

Talbot Trail

Port Alma Transmission Station

Kingsville

Lake Erie

Appendix B

Conditions of Approval

CONDITIONS OF APPROVAL
Application under Section 90(1) of the OEB Act
Enbridge Gas Inc.
EB-2019-0172

1. Enbridge Gas Inc. (Enbridge Gas) shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2019-0172 and these Conditions of Approval.

2. (a) Authorization for leave to construct shall terminate 12 months after the decision is issued, unless construction has commenced prior to that date.

(b) Enbridge Gas shall give the OEB notice in writing of the following:
 - i. The planned in-service date, at least 10 days prior to the date the facilities go into service
 - ii. The date on which construction was completed, no later than 10 days following the completion of construction
 - iii. The in-service date, no later than 10 days after the facilities go into service

3. Enbridge Gas shall implement all the recommendations of the Environmental Report filed in EB-2019-0172, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.

4. Enbridge Gas shall advise the OEB of any proposed change in the project, including but not limited to changes in: OEB-approved construction or restoration procedures, the proposed route, construction schedule and cost, the necessary environmental assessments and approvals, and all other approvals, permits, licences, certificates and rights required to construct the proposed facilities.

Except in an emergency, Enbridge Gas shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.

5. Concurrent with the final monitoring report referred to in Condition 6(b), Enbridge Gas shall file a Post Construction Financial Report, which shall provide a variance analysis of project cost, schedule and scope compared to the estimates filed in this proceeding, including the extent to which the project contingency was utilized. Enbridge Gas shall also file a copy of the Post Construction Financial Report in the proceeding where the actual capital costs

of the project are proposed to be included in rate base or any proceeding where Enbridge Gas proposes to start collecting revenues associated with the project, whichever is earlier.

6. Both during and after construction, Enbridge Gas shall monitor the impacts of construction, and shall file with the OEB one paper copy and one electronic (searchable PDF) version of each of the following reports:
 - (a) A post construction report, within three months of the in-service date, which shall:
 - i. Provide a certification, by a senior executive of the company of Enbridge Gas' adherence to Condition 1
 - ii. Describe any impacts and outstanding concerns identified during construction
 - iii. Describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of construction
 - iv. Include a log of all complaints received by Enbridge Gas, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions
 - v. Provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project
 - (b) A final monitoring report, no later than fifteen months after the in-service date, or, where the deadline falls between December 1 and May 31, the following June 1, which shall:
 - i. Provide certification, by a senior executive of the company, of Enbridge Gas' adherence to Condition 3
 - ii. Describe the condition of any rehabilitated land
 - iii. Describe the effectiveness of any such actions taken to prevent or mitigate any identified impacts of construction
 - iv. Include the results of analyses and monitoring programs and any recommendations arising therefrom. Include a log of all complaints received by Enbridge Gas, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions

7. Enbridge Gas shall designate one of its employees as project manager who will be responsible for the fulfillment of these conditions, and shall provide the employee's name and contact information to the OEB and to all the appropriate landowners, and shall clearly post the project manager's contact information in a prominent place at the construction site.

The OEB's designated representative for the purpose of these Conditions of Approval shall be the OEB's Manager of Natural Gas Applications (or the Manager of any OEB successor department that oversees natural gas leave to construct applications).

Appendix C

Change Requests and Approvals



Rakesh Torul
Technical Manager
Regulatory Applications
Regulatory Affairs

tel 416-495-6499
EGIRegulatoryProceedings@enbridge.com

Enbridge Gas Inc.
500 Consumers Road
North York, Ontario M2J 1P8
Canada

April 22, 2020

VIA EMAIL and RESS

Ms. Christine E. Long
Board Secretary
Ontario Energy Board
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

Dear Ms. Long:

**Re: Enbridge Gas Inc. (Enbridge Gas)
Ontario Energy Board (Board) File No.: EB-2019-0172
Windsor Pipeline Replacement Project – Change Request**

Please find attached a Change Request as submitted by Enbridge Gas Inc. ("Enbridge Gas") for the Windsor Pipeline Replacement Project ("the Project").

Enbridge Gas is filing the Request to Vary pursuant to Condition of Approval No. 4 of the Ontario Energy Board's EB-2019-0172 Leave to Construct Decision and Order dated April 1, 2020.

As detailed in Attachment 1, Enbridge Gas is proposing changes to the location and dimensions of temporary land use areas at various locations along the pipeline route to facilitate requests from the affected municipalities and landowners as well as pipeline construction. Enbridge Gas submits these changes do not impact the route of the pipeline. Rather, they impact where within road allowance the pipeline is constructed.

As part of this Change Request, Enbridge Gas is providing Updated Proposed Pipeline Location Maps as well as an Updated Landowner Line List. No new or additional permanent easement is required as a result of this request.

The names and addresses of landowners have been removed to safeguard the landowner privacy from the following exhibits:

- Updated Landowner List – Attachment 2
- Updated Proposed Pipeline Location Maps – Attachment 3

The confidential or unredacted exhibits will be provided to the Board under separate cover.

Enbridge Gas believes these changes are not significant and for this reason, respectfully requests a timely review and approval of this request.

Should you have any questions concerning this submission please contact the undersigned.

Yours truly,

(Original Signed)

Rakesh Torul
Technical Manager, Regulatory Applications



Rakesh Torul
Technical Manager
Regulatory Applications
Regulatory Affairs

tel 416-495-5499
EGIRegulatoryProceedings@enbridge.com

Enbridge Gas Inc.
500 Consumers Road
North York, Ontario M2J 1P8
Canada

May 26, 2020

VIA EMAIL and RESS

Ms. Christine E. Long
Board Secretary
Ontario Energy Board
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

**Re: Enbridge Gas Inc. (Enbridge Gas)
Ontario Energy Board (Board) File No.: EB-2019-0172
Windsor Pipeline Replacement project – Change Request No. 2**

Dear Ms. Long:

Please find attached Change Request No. 2 as submitted by Enbridge Gas Inc. ("Enbridge Gas") for the Windsor Pipeline Replacement Project ("the Project").

Enbridge Gas is filing this Change Request pursuant to Condition of Approval No. 4 of the Ontario Energy Board's EB-2019-0172 Leave to Construct Decision and Order dated April 1, 2020.

As detailed in Attachment 1 (Change Request Form), Enbridge Gas requires additional temporary land use rights ("TLU") to install two new access sites at each end of the Project. These sites will offer adequate parking and space for workers to gather (more safely) for morning construction meetings while operating during COVID-19. No construction work will be completed at either of these sites. Rather, this additional TLU is needed as a best practice for construction site health and safety during COVID-19. No new permanent easement is required.

As part of this Change Request, Enbridge Gas is also attaching an Updated Detailed Pipeline Map and Updated Landowner Line List. These attachments were updated to the versions previously filed with Change Request No. 1 for the Project (dated April 22, 2020).

The names and addresses of landowners have been removed to safeguard the landowner privacy from the following exhibits:

- Updated Landowner List – Attachment 2
- Updated Proposed Pipeline Location Maps – Attachment 3

The confidential or unredacted exhibits will be provided to the Board under separate cover.

Due to the rationale for this request, Enbridge Gas respectfully requests a timely review and approval of this request.

Should you have any questions concerning this submission please contact the undersigned.

Yours truly,

[Original Signed by]

Rakesh Torul
Technical Manager, Regulatory Applications

c.c.: J. Fernandes (OEB Staff)
P. Duguay (OEB Staff)



Rakesh Torul
Technical Manager
Regulatory Applications
Regulatory Affairs

tel 416-495-5499
EGIRegulatoryProceedings@enbridge.com

Enbridge Gas Inc.
500 Consumers Road
North York, Ontario M2J 1P8
Canada

July 23, 2020

VIA EMAIL and RESS

Ms. Christine E. Long
Board Secretary
Ontario Energy Board
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

**Re: Enbridge Gas Inc. (Enbridge Gas)
Ontario Energy Board (Board) File No.: EB-2019-0172
Windsor Pipeline Replacement project – Change Request No. 3**

Dear Ms. Long:

Please find attached Change Request No. 3 as submitted by Enbridge Gas Inc. ("Enbridge Gas") for the Windsor Pipeline Replacement Project ("the Project").

Enbridge Gas is filing this Change Request pursuant to Condition of Approval No. 4 of the Ontario Energy Board's EB-2019-0172 Leave to Construct Decision and Order dated April 1, 2020.

As detailed in Attachment 1 (Change Request Form), Enbridge Gas requires additional easements on land for construction and maintenance on 700m of the Windsor Pipeline Project due to limited area in the Right of Way ("ROW") for the original construction plans. Pre construction hydrovac activities exposed private water lines in this short distance that will conflict with the path of the planned running line. These additional easements are required in order to move the running line further into property owners' land so as not to damage or prompt the replacement of aged private water lines or other utilities. There is currently distribution pipeline on the opposite side of the ROW that has been utilized to service existing distribution customers. Currently there are Temporary Land Use rights ("TLU") previously secured on north and south ends of these properties and trenchless methods can be utilized to install the pipeline for connectivity.

As part of this Change Request, Enbridge Gas is also attaching an Updated Detailed Pipeline Map and Updated Landowner Line List. These attachments were updated to the versions previously filed with Change Request No. 2 for the Project (dated May 26, 2020).

The names and addresses of landowners have been removed to safeguard the landowner privacy from the following exhibits:

- Updated Landowner List – Attachment 2
- Updated Proposed Pipeline Location Maps – Attachment 3

The confidential or unredacted exhibits will be provided to the Board under separate cover.

Due to the rational for this request, Enbridge Gas respectfully requests a timely review and approval of this request.

Should you have any questions concerning this submission please contact the undersigned.

Yours truly,

[Original Digitally Signed]

Rakesh Torul
Technical Manager, Regulatory Applications

c.c.: J. Fernandes (OEB Staff)
P. Duguay (OEB Staff)



Ontario
Energy
Board | Commission
de l'énergie
de l'Ontario

BY E-MAIL

May 1, 2020

Mr. Rakesh Torul
Technical Manager, Regulatory Affairs
Enbridge Gas Inc.
500 Consumers Road
North York, ON M2J 1P8

Dear Mr. Torul:

**Re: Enbridge Gas Inc.
Windsor Pipeline Replacement Project
Ontario Energy Board File Number EB-2019-0172
Request to Vary/Change Request No. 1**

The Ontario Energy Board (OEB) is in receipt of a letter dated April 22, 2020, in which Enbridge Gas Inc. (Enbridge Gas) advised the OEB of a change to the Windsor Pipeline Replacement Project (Project).

The OEB approved the Project, subject to certain conditions of approval, in a Decision and Order dated April 1, 2020. Enbridge Gas filed a request to vary pursuant to Condition of Approval No. 4.

Condition of Approval No. 4 provides the following:

4. Enbridge Gas shall advise the OEB of any proposed change in the project, including but not limited to changes in: OEB-approved construction or restoration procedures, the proposed route, construction schedule and cost, the necessary environmental assessments and approvals, and all other approvals, permits, licences, certificates and rights required to construct the proposed facilities. Except in an emergency, Enbridge Gas shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.

Enbridge Gas is proposing changes to the location and dimensions of temporary land use areas at various locations along the pipeline route to facilitate requests from the affected municipalities and landowners as well as pipeline construction (Change Request No. 1). Enbridge Gas submits that the changes do not impact the route of the pipeline and are a result of adjusting the detailed alignment of the pipeline within road allowance.

Enbridge Gas has consulted the affected landowners and municipalities to ensure they are aware and in agreement with the proposed changes. Enbridge Gas submits that these changes have no impact on the proposed construction or restoration practices, environment, project costs or in-service date.

As the Manager, Natural Gas Applications, I have been delegated, under section 6 of the *Ontario Energy Board Act, 1998*, the authority of the OEB to determine whether Enbridge Gas' proposal will result in material changes to the natural gas pipeline in respect of which leave to construct was granted by the OEB in the EB-2019-0172 proceeding. I have been further granted the authority to approve any changes that I have concluded are not material.

Based on my review of the information provided in Change Request No.1, I find that the changes proposed by Enbridge Gas are not material. I hereby approve the proposed changes.

Yours truly,

Original signed by

Pascale Duguay
Manager, Natural Gas Applications



BY E-MAIL

June 3, 2020

Mr. Rakesh Torul
Technical Manager, Regulatory Affairs
Enbridge Gas Inc.
500 Consumers Road
North York, ON M2J 1P8

Dear Mr. Torul:

**Re: Enbridge Gas Inc.
Windsor Pipeline Replacement Project
Ontario Energy Board File Number EB-2019-0172
Request to Vary/Change Request No. 2**

The Ontario Energy Board (OEB) is in receipt of a letter dated May 26, 2020, in which Enbridge Gas Inc. (Enbridge Gas) advised the OEB of a change to the Windsor Pipeline Replacement Project (Project).

The OEB approved the Project, subject to certain conditions of approval, in a Decision and Order dated April 1, 2020. Enbridge Gas filed a request to vary pursuant to Condition of Approval No. 4.

Condition of Approval No. 4 provides the following:

4. Enbridge Gas shall advise the OEB of any proposed change in the project, including but not limited to changes in: OEB-approved construction or restoration procedures, the proposed route, construction schedule and cost, the necessary environmental assessments and approvals, and all other approvals, permits, licences, certificates and rights required to construct the proposed facilities. Except in an emergency, Enbridge Gas shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.

Enbridge Gas states that it requires additional temporary land use rights (TLU) to allow for the installation of two new graveled access sites, one at each end of the Project (east and west) to comply with COVID-19 social distancing protocols on the construction site (Change Request 2). These sites will offer adequate parking and space for workers to gather more safely for morning construction meetings while operating during COVID-19. Enbridge Gas states that no construction work will be undertaken at either of these sites and that this additional TLU is required solely as a best practice for construction site health and safety during COVID-19.

Enbridge Gas has consulted with the affected landowners and has secured the necessary land rights. Enbridge Gas submits that these changes have no impact on the proposed construction or restoration practices, environment, or in-service date. Enbridge Gas also submits that the additional TLU required has no material impact on the overall project costs.

As the Manager, Natural Gas Applications, I have been delegated, under section 6 of the *Ontario Energy Board Act, 1998*, the authority of the OEB to determine whether Enbridge Gas' proposal will result in material changes to the natural gas pipeline in respect of which leave to construct was granted by the OEB in the EB-2019-0172 proceeding. I have been further granted the authority to approve any changes that I have concluded are not material.

Based on my review of the information provided in Change Request No. 2, I find that the changes proposed by Enbridge Gas are not material. I hereby approve the proposed changes.

Yours truly,

Original signed by

Pascale Duguay
Manager, Natural Gas Applications



BY E-MAIL

August 14, 2020

Mr. Rakesh Torul
Technical Manager, Regulatory Affairs
Enbridge Gas Inc.
500 Consumers Road
North York ON M2J 1P8

Dear Mr. Torul:

**Re: Enbridge Gas Inc.
Windsor Pipeline Replacement Project
Ontario Energy Board File Number EB-2019-0172
Request to Vary/Change Request No. 3**

The Ontario Energy Board (OEB) is in receipt of a letter dated July 23, 2020, in which Enbridge Gas Inc. (Enbridge Gas) advised the OEB of a change to the Windsor Pipeline Replacement Project (Project).

The OEB approved the Project, subject to certain conditions of approval, in a Decision and Order dated April 1, 2020. Enbridge Gas filed a request to vary pursuant to Condition of Approval No. 4.

Condition of Approval No. 4 provides the following:

4. Enbridge Gas shall advise the OEB of any proposed change in the project, including but not limited to changes in: OEB-approved construction or restoration procedures, the proposed route, construction schedule and cost, the necessary environmental assessments and approvals, and all other approvals, permits, licences, certificates and rights required to construct the proposed facilities. Except in an emergency, Enbridge Gas shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.

Enbridge Gas states that it requires additional easements on land for construction and maintenance on 700m of the Windsor Pipeline Project due to limited area in the Right of Way (ROW) for the original construction plans (Change Request No. 3). Pre-construction hydrovac activities exposed private water lines in this short distance that will conflict with the path of the planned pipeline. The additional easements are required in order to move the pipeline further into property owners' land so as not to damage or prompt the replacement of aged private water lines or other utilities.

Enbridge Gas has consulted with the affected landowners and has secured the necessary land rights. Enbridge Gas submits that these changes have no impact on the proposed construction or restoration practices, environment, or in-service date. Enbridge Gas also submits that the additional easements required have no material impact on the overall project costs.

As the Manager, Natural Gas Applications, I have been delegated, under section 6 of the *Ontario Energy Board Act, 1998*, the authority of the OEB to determine whether Enbridge Gas' proposal will result in material changes to the natural gas pipeline in respect of which leave to construct was granted by the OEB in the EB-2019-0172 proceeding. I have been further granted the authority to approve any changes that I have concluded are not material.

Based on my review of the information provided in Change Request No. 3, I find that the changes proposed by Enbridge Gas are not material. I hereby approve the proposed changes.

Yours truly,

Original signed by

Pascale Duguay
Manager, Natural Gas Applications



Rakesh Torul
Technical Manager
Regulatory Applications
Regulatory Affairs

tel 416-495-5499
EGIRegulatoryProceedings@enbridge.com

Enbridge Gas Inc.
500 Consumers Road
North York, Ontario M2J 1P8
Canada

April 16, 2020

VIA EMAIL, RESS and COURIER

Ms. Christine E. Long
Board Secretary
Ontario Energy Board
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

**Re: Enbridge Gas Inc. (Enbridge Gas)
Ontario Energy Board File No.: EB-2019-0172
Windsor Pipeline Replacement Project – Update on Stage 2 Archaeological
Assessments**

Dear Ms. Long:

Enbridge Gas is writing to inform the Ontario Energy Board ("OEB") that topsoil stripping occurred on two small separate parcels of land located in the Windsor Pipeline Replacement Project area following a Stage 2 Archaeological Assessment ("AA") prior to receiving written clearance from the Ministry of Heritage, Sport, Tourism and Culture Industries ("MHSTCI").

Enbridge Gas can confirm that no artifacts were found during the Archaeological Assessments completed on the Project to date. However, to ensure the process outlined in its March 26, 2020 letter to the OEB is followed as the Project moves forward, Enbridge Gas has implemented the following measures:

- i) suspending all further work at the two properties noted above;
- ii) all sites in the Project area that have not received archaeological clearance from the MHSTCI have been fenced and marked clearly with "No Access" signs; and
- iii) guidelines have been shared with the construction team that more clearly identifies "Go" and "No Go" areas.

Enbridge Gas has also notified the MHSTCI in writing. As part of this notification Enbridge Gas identified the measures listed above.

We trust the above is satisfactory. Should you have any questions or concerns, please do not hesitate to call.

Yours truly,

(Original Signed)

Rakesh Torul
Technical Manager,
Regulatory Applications

cc: Guri Pannu, Sr. Legal Counsel

Ministry of Heritage, Sport, Tourism, Culture
Industries

Archaeology Program Unit
Programs and Services Branch
Heritage, Tourism and Culture Division
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
Tel.: (416) 314-2120
Email: Andrea.Williams@ontario.ca

Ministère des Industries du patrimoine, du sport, du
tourisme et de la culture

Unité des programmes d'archéologie
Direction des programmes et des services
Division du patrimoine, du tourisme et de la culture
401, rue Bay, bureau 1700
Toronto ON M7A 0A7
Tél. : (416) 314-2120
Email: Andrea.Williams@ontario.ca



Apr 28, 2020

Parker S. Dickson (P256)
Stantec Consulting
171 Queens London ON N6A 5J7

**RE: Review and Entry into the Ontario Public Register of Archaeological Reports:
Archaeological Assessment Report Entitled, "Stage 2 Archaeological Assessment:
Enbridge Windsor Line Replacement, Mainline Component, Additional Lands, Parts
of Various Lots and Concessions, Multiple Lower Tier Municipalities, Essex County
and the Municipality of Chatham-Kent, Ontario ", Dated Apr 15, 2020, Filed with
MTCS Toronto Office on Apr 17, 2020, MTCS Project Information Form Number
P256-0606-2020, MTCS File Number 0010281**

Dear Mr. Dickson:

This office has reviewed the above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c 0.18.¹ This review has been carried out in order to determine whether the licensed professional consultant archaeologist has met the terms and conditions of their licence, that the licensee assessed the property and documented archaeological resources using a process that accords with the 2011 *Standards and Guidelines for Consultant Archaeologists* set by the ministry, and that the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of the cultural heritage of Ontario.

The report documents the assessment of the additional lands study areas as depicted in Figures 12.2, 12.4, 12.6, 12.7, 12.20, 12.33, 12.34, 12.36, 12.38, 12.48, 12.49 and 12.50 of the above titled report and recommends the following:

The Stage 2 archaeological assessment was conducted on March 26, 2020 and March 30, 2020 under Project Information Form Number P256-0606-2020 issued to Parker Dickson, MA, by the Ministry of Heritage, Sport, Tourism, and Culture Industries (MHSTCI). No archaeological resources were identified during the Stage 2 survey of the study area. Thus, in accordance with Section 2.2 and Section 7.8.4 Standard 3 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011), no further archaeological assessment of the study area is required.

Based on the information contained in the report, the ministry is satisfied that the fieldwork and reporting for the archaeological assessment are consistent with the ministry's 2011 *Standards and Guidelines for Consultant Archaeologists* and the terms and conditions for archaeological licences. This report has been

entered into the Ontario Public Register of Archaeological Reports. Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

Should you require any further information regarding this matter, please feel free to contact me.

Sincerely,

Andrea Williams
Archaeology Review Officer

cc. Archaeology Licensing Officer
Ryan Park, Union Gas Limited
Zora Cmojacki, Ontario Energy Board

¹*In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.*

Appendix D

Executive Certification



Conditions of Approval
Application under Section 90(1) of the OEB Act
Enbridge Gas Inc.
EB-2019-0172
April 1, 2020

I hereby certify that Enbridge Gas Inc. has implemented all the recommendations of the Environmental Report filed in the proceeding, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review in accordance with the OEB's Decision and Order in EB-2019-0218 and the Conditions of Approval, as per Condition 6 (b)(i).

Date

Dave
Lamoureux

Digitally signed by Dave
Lamoureux
Date: 2023.05.16 15:55:51
-04'00'

Dave Lamoureux
Director, Core Programs
Enbridge Gas Inc.

Condition 6 (b)(i).

6. Both during and after construction, Enbridge Gas shall monitor the impacts of construction, and shall file with the OEB one paper copy and one electronic copy (searchable PDF) version of each of the following reports:
 - b) A final monitoring report, no later than fifteen months after the in-service date, or, where the deadline falls between December 1 and May 31, the following June 1, which shall:
 - i. Provide a certification, by a senior executive of the company, of Enbridge Gas' adherence to Condition 3

Condition 3

Enbridge Gas shall implement all the recommendations of the Environmental Report filed in EB-2019-0172, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.

Appendix E

Photograph Inventory



1. Watercourse restoration work – bank profile was restored to pre-construction profile, area was seeded and erosion matting was installed and keyed in.



2. Watercourse restoration after vegetative cover grew in (same watercourse as image 1).



3. Restoration of adjacent lands to newly constructed station.



4. Restoration of drainage feature in road easement along Hwy 46.



5. Caution signs were installed to remind workers of potential environmental concerns.



6. Where possible excavations were limited so that they did not extend into the banks of drains and watercourses.

EB-2019-0172: Windsor Pipeline Replacement Project
Post Construction Financial Report
As of May 31, 2023

In compliance with the Ontario Energy Board (“OEB”) Order EB-2019-0172 and Condition 5, the following is a report on project cost, schedule and scope compared to the estimates filed in the proceeding.

The project actual cost was \$83,340,492 or 22% lower than estimated. The following explains any significant variances.

Item No.	Description	Project Estimate (\$)	Actual Cost (\$)	Variance (\$)	Variance (%)
Pipeline					
1	Materials and Equipment	4,164,000	4,509,048	345,048	8%
2	Construction and Labour (incl lands)	62,521,000	51,610,111	(10,910,889)	-17%
3	Contingency	9,975,000	-	(9,975,000)	-100%
4	IDC	725,000	478,015	(246,985)	-34%
5	Indirect Overhead	11,729,000	11,625,171	(103,829)	-1%
6	Total Pipeline Cost	89,114,000	68,222,345	(20,891,655)	-23%
Station					
7	Materials	1,572,000	1,448,455	(123,545)	-8%
8	Construction and Labour	9,031,000	9,101,850	70,850	1%
9	Contingency	1,591,000	-	(1,591,000)	-100%
10	IDC	120,000	-	(120,000)	-100%
11	Indirect Overhead	1,866,000	2,106,485	240,485	13%
12	Total Station Cost	14,180,000	12,656,790	(1,523,210)	-11%
Services Cost					
13	Materials	133,000	102,315	(30,685)	-23%
14	Construction and Labour	2,515,000	1,933,125	(581,875)	-23%
15	Contingency	397,000	-	(397,000)	-100%
16	IDC	-	-	-	
17	Indirect Overhead	466,000	425,917	(40,083)	-9%
18	Total Services Cost	3,511,000	2,461,357	(1,049,643)	-30%
19	Total Cost	106,805,000	83,340,492	(23,464,508)	-22%

Variance Explanations:

Item No.	Category	Variance Explanation
2	Construction and Labour	Anticipated additional installation depth for the pipeline was not required, as a result the Company incurred lower costs to install the pipeline. Removal of the existing NPS 10 from road allowance was not required, resulting in additional construction and labour savings.
3	Contingency	The Company identified a risk that the pipeline would need to be installed at a greater depth than standard practice. This was not necessary and as a result Contingency was not utilized.