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**Enbridge Gas Inc.**  
50 Keil Drive North,  
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Canada

May 31, 2024

**VIA EMAIL and RESS**

Nancy Marconi  
Registrar  
Ontario Energy Board  
2300 Yonge Street, Suite 2700  
Toronto, Ontario, M4P 1E4

Dear Nancy Marconi:

**Re: Enbridge Gas Inc. (Enbridge Gas)  
Ontario Energy Board (OEB) File No.: EB-2022-0088  
Haldimand Shores Community Expansion Project  
Final Monitoring Report and Post Construction Financial Report**

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On August 18, 2022 the OEB issued its Decision and Order for the above noted proceeding which included, as Schedule A, several Conditions of Approval.

Per Condition of Approval 6 and 7 (b) in the aforementioned Decision and Order, Enbridge Gas is to provide the OEB with a post construction financial report concurrent with the final monitoring report referred to in Condition of Approval 7 (b) 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. Please find an enclosed copy of the final monitoring report and post construction financial report for the Haldimand Shores Community Expansion Project.

Please contact me if you have any questions.

Yours truly,

*Evan Tomek*

Evan Tomek  
Advisor, Regulatory Applications – Leave to Construct

**HALDIMAND SHORES  
COMMUNITY EXPANSION PROJECT  
EB-2022-0088**

**FINAL MONITORING REPORT**

**Prepared By: Enbridge Gas Inc.  
Environment  
May 2024**

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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-2022-0088 proceeding. In that Decision and Order (dated August 18, 2022), the OEB granted Enbridge Gas Inc. (Enbridge Gas) leave, pursuant to subsection 90(1) of the *Ontario Energy Board Act, 1998* (OEB Act) to construct approximately 7.3 kilometres of Nominal Pipe Size (NPS) 2.0-inch polyethylene (PE), approximately 385 metres of NPS 4 inch PE and approximately 115 metres of NPS 4 inch steel natural gas pipelines to supply natural gas to the community of Haldimand Shores in the Township of Alnwnick/Haldimand (the Project).

The pipeline commenced at an existing Enbridge Gas NPS 4 inch pipeline at the corner of Station Road and McMaster Road proceeding southward on Station Road to Lakeshore Road. At this point the new NPS 4 inch tied into the new NPS 2 inch pipeline where it continued west on Lakeshore Road as well as several connecting roads. The majority of the pipeline was constructed within road allowances, and Enbridge Gas Inc. acquired both 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-2022-0088 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:

### **Condition 1**

Enbridge Gas Inc. (Enbridge) shall construct the Project as described in the application and restore the land in accordance with the OEB's Decision and Order in EB-2019-0188 and these Conditions of Approval.

### **Condition 2**

Enbridge Gas Inc. shall obtain all necessary approvals, permits, licenses, certificates, agreements and rights required to construct, operate and maintain the Project.

#### **Condition 4**

Enbridge Gas Inc. shall implement 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.

#### **Condition 5**

Enbridge Gas Inc. shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. Except in an emergency, Enbridge Gas Inc. 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.

#### **Condition 7**

Both during and after construction, Enbridge Gas Inc. shall monitor the impacts of construction, and shall file with the OEB 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 Inc. 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 Inc., 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; and
  - v. provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licenses, 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 a certification, by a senior executive of the company, of Enbridge Gas Inc. adherence to Condition 3
- ii. describe the condition of any rehabilitated land.
- iii. describe the effectiveness of any 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.
- v. include a log of all complaints received by Enbridge Gas Inc. including the date/time the complaint was received; a description of the complaint; any actions taken to address the complaint; and the rationale for taking such actions.

## **2.0 BACKGROUND**

On March 11, 2022, Enbridge Gas filed a combined leave to construct application for expansion into the Haldimand Shores community in the Township of Alnwnick/Haldimand.

In Procedural Order No.1, which was issued on May 11, 2022, Pollution Probe was granted intervenor status and eligibility to apply for cost awards. In accordance with the schedule set out in Procedural Order No. 1, written interrogatories by OEB staff and Pollution Probe were filed by May 25, 2022. Enbridge Gas responded to the interrogatories on June 8, 2022. OEB staff and Pollution Probe filed written submission on June 22, 2022. Enbridge Gas filed a written reply submission on July 6, 2022.

Construction was initiated on June 15, 2020 and was completed for the year on February 8, 2023 and generally progressed with the following order of operations: flagging/staking, ploughing/horizontal directional drilling, tie-ins, back filling, and clean-up. Clean-up was completed on February 8, 2023

Enbridge Gas returned to the right-of-way in spring 2023 to perform a general overview to ensure the clean-up and restoration measures were successful and all disturbed areas in proximity to watercourse crossings are stable and re-vegetated. Any areas that required additional restoration measures were addressed and no further clean-up is required.

### **3.0 POTENTIAL IMPACTS AND MITIGATION**

#### **3.1 Condition 1**

*Enbridge Gas Inc. shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2022-0088 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-2022-0088 proceeding and the Conditions of Approval.

#### **3.2 Condition 3**

*Enbridge Gas Inc shall obtain all necessary approvals, permits, licenses, certificates, agreements and rights required to construct, operate and maintain the Project.*

Enbridge Gas obtained all necessary approvals, permits, licenses, certificates, agreements and rights required to construct, operate and maintain the Project.

Enbridge Gas obtained the following environmental permits for construction:

##### **Lower Trent Conservation**

- Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Permit, Permit # P-22-008

##### **Ministry of Tourism, Culture and Sport**

- Archaeology clearance under the MTCS File Number 0015384

#### **3.3 Condition 4**

*Enbridge Gas Inc. shall implement 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.*

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.

### **3.4 Condition 5**

*Enbridge Gas Inc. shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. Except in an emergency, Enbridge Gas Inc. 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.*

There were no changes to the OEB-approved construction or restoration procedures.

### **3.5 Condition 7**

*Both during and after construction, Enbridge Gas Inc. shall monitor the impacts of construction, and shall file with the OEB 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 Inc. 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 Inc., 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; and*
  - v. provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licenses, and certificates required to construct, operate and maintain the proposed project.*

A Post Construction Report that satisfied the above conditions was completed and submitted to the Board within three months of the in-service date on April 24, 2023.



- b) a final monitoring report, no later than 15 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 Inc. adherence to Condition 3;*

This Final Monitoring Report is being filed with the OEB and is certified by Mark Maxwell, Director of Field Services, Growth and Construction, that Enbridge Gas obtained all necessary approvals, permits, licenses, certificates, agreements and rights required to construct, operate and maintain the Project. This certification 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 disturbed during construction has been successfully restored to functioning and stable roadway/road allowance. Land located in natural areas, has been re-vegetated or returned to a suitable state for agricultural operations and no further clean-up is required. Please see Appendix E for a photo inventory of the restored land.

- iii. describe the effectiveness of any 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; and*

### **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 archaeological resources were identified during the Stage 2 survey therefore in accordance with Section 2.2 and Section 7.8.4 of the MTCS's 2011 Standards and Guidelines for Consultant Archaeologists (Government of Ontario 2011), no further archaeological assessment was required. No archaeological sites or artifacts were found during construction.

### **Watercourse Monitoring**

It was necessary to cross three (3) watercourses during the execution of the Project. All watercourse crossings were reviewed and approved by Lower Trent Conservation Authority.

The watercourses were crossed using the horizontal directional drill (HDD) technique following the Department of Fisheries and Oceans (DFO) endorsed Generic Sediment Control Plan – Horizontal Directional Drill. All watercourse crossings were performed in accordance with permits and approvals.

Sediment controls were installed prior to the start of construction and remained in place until the area was stabilized. Disturbed areas adjacent to the watercourses were seeded and protected with erosion control blankets if necessary.

All watercourse crossings were monitored during construction by an Enbridge Gas Inspector and were successfully revegetated with no additional mitigation measures required.

### **Water Well Monitoring**

Prior to construction, Enbridge Gas retained an independent third-party hydrogeologist (Stantec) to undertake a water well monitoring program along the entire pipeline route as recommended in the Environmental Report. The purpose of the program was to establish baseline groundwater conditions for

comparative purposes should groundwater interference complaints arise as a result of the construction or operation of the pipeline.

The baseline monitoring program included a mailout notification to residences with the potential for the interference of ground water wells within 100 m of general construction activity of the proposed pipeline installation. The mailout included a letter detailing the water well monitoring program and a water well questionnaire to be filled out. A total of ten (10) residences participated in the water well monitoring program.

Water samples were analyzed for general inorganic and bacteriological water quality parameters and the results were compared to the Ontario Drinking Water Quality Standards (ODWS) (Ontario Ministry of the Environment, 2006).

Upon receiving the results, Stantec immediately notified any residents if the water exceeded the ODWS Maximum Acceptable Concentration (MAC) for any tested parameter. Stantec provided the residents with a summary letter of the results and with the contact information for the public health unit for those wells that water quality results indicated ODWS MAC exceedances. No adverse effects to water well quality occurred as a result of construction.

### **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 twelve (12) bird species, one (1) aquatic species and potential habitat for several SAR bat species. While the habitat existed for the birds and bats in the Study Area, the project was limited to the graveled portion of the road allowance with only a few small shrubs removed outside of the avian nesting period with no natural bat habitat disturbed.

Although all the watercourses were crossed using HDD, there was the potential to encounter the American Eel. Therefore, a fish community and fish habitat assessment were undertaken by Stantec in September of 2023 under a Licence to Collect Fish for Scientific Purposes (#1104332) from the Ministry of Natural

Resources and Forestry at five locations within the three watercourses to ensure the most current information is available. No impacts to SAR or SAR habitat occurred during construction.

- v. *include a log of all complaints received by Enbridge Gas Inc., 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.*

Enbridge Gas's Complaint Tracking System (Table 2), which identifies the current status of complaints received as a result of pipeline construction, was in effect.

Enbridge Gas will continue to monitor the state of the land and will address any landowner or public concerns should they arise.

## **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-2022-0088 proceeding. The report provides confirmation that Enbridge Gas has complied with the Conditions of Approval, includes the results of analyses and monitoring programs and any recommendations arising therefrom, describes the condition of any rehabilitated land, and describes the effectiveness of any actions taken to prevent or mitigate any identified impacts during construction. Lastly, this report details all complaints received by Enbridge Gas and the actions taken to address such complaints. It is anticipated that the actions taken by Enbridge Gas to mitigate identified impacts of construction will effectively eliminate long-term impacts to the environment.

## **Table 1**

### **Potential Impacts and Mitigation Measures**

<b>Table 1: Potential Impacts and Mitigation Measures</b>		
<b>Issue</b>	<b>Potential Impact</b>	<b>Mitigation Measure</b>
Paved/Gravel Driveways and Roadways	Disruption to local traffic and landowners	<ul style="list-style-type: none"> <li>- All roadways and driveways were bored if practical.</li> <li>- If it was not possible to bore driveways and roads, steel plates were on site to provide access to landowners.</li> <li>- Enbridge Gas kept at least one lane of traffic open during construction and traffic controls were implemented as required.</li> <li>- For driveways that required cutting, the excavation was filled with sand and granular material and compacted.</li> <li>- Driveways were repaired as soon as possible.</li> </ul>
Traffic	Disruption to local citizens	<ul style="list-style-type: none"> <li>- At least one lane of traffic was maintained at all times.</li> <li>- Flag persons and warning devices were used to notify traffic of construction in accordance with Municipal standards.</li> </ul>
Public Safety	Public safety concerns	<ul style="list-style-type: none"> <li>- Enbridge Gas inspectors ensured public safety on the construction site.</li> <li>- Proper signage and flag persons were used where required.</li> </ul>
Commercial/Retail Businesses and Recreational Areas	Disruption to businesses	<ul style="list-style-type: none"> <li>- Access to businesses were maintained at all times.</li> <li>- The land around businesses and recreational areas were restored as soon as possible.</li> <li>- Construction was scheduled with business owners or managers when necessary.</li> </ul>
Construction Noise	Disturbance to local citizens	<ul style="list-style-type: none"> <li>- Construction was carried out during daylight hours whenever possible.</li> <li>- Equipment was properly muffled.</li> </ul>
Nuisance Dust	Disturbance to local citizens	<ul style="list-style-type: none"> <li>- Dust was controlled as required.</li> </ul>
Construction Equipment	Disturbance to local citizens	<ul style="list-style-type: none"> <li>- Equipment was stored off road shoulders when not in use.</li> </ul>
Landowner Concerns	Disruption to landowners	<ul style="list-style-type: none"> <li>- Enbridge Gas provided impacted landowners with the telephone numbers of supervisory personnel.</li> </ul>

<b>Table 1: Potential Impacts and Mitigation Measures</b>		
<b>Issue</b>	<b>Potential Impact</b>	<b>Mitigation Measure</b>
		<ul style="list-style-type: none"> <li>- An Enbridge Gas representative was onsite during construction to address any residents concerns as required.</li> </ul>
Front Yards	Disruption to landowners	<ul style="list-style-type: none"> <li>- Landowners were notified prior to construction.</li> <li>- Lawns and yards will be restored to original condition.</li> </ul>
Mailboxes	Disruption to landowners and tenants	<ul style="list-style-type: none"> <li>- Landowners were notified of mailbox disruption when required.</li> <li>- Mailboxes were restored as soon as possible, and temporary alternatives were provided if necessary.</li> </ul>
Underground Utilities	Disruption of services	<ul style="list-style-type: none"> <li>- Locates were obtained from all utilities.</li> <li>- Any damages to utilities were repaired as soon as possible.</li> </ul>
Archaeology	Disturbance of heritage resources	<ul style="list-style-type: none"> <li>- An Archaeological Assessment was completed prior to construction.</li> <li>- No artifacts were encountered during construction.</li> </ul>
Water Wells	Disruption to water supply	<ul style="list-style-type: none"> <li>- A private well monitoring program was implemented prior to construction</li> </ul>
Trees	Damage to trees  Disturbance to wildlife	<ul style="list-style-type: none"> <li>- The amount of vegetation clearing was kept to a minimum.</li> <li>- Vegetation removal was completed outside of the combined bat roosting and migratory bird nesting season (April 1 – August 31) to avoid disturbance to nesting birds protected under the Migratory Birds Convention Act, 1994 and bats protected by the Endangered Species Act, 2007.</li> </ul>
Watercourse Crossings	Water quality concerns	<ul style="list-style-type: none"> <li>- Enbridge Gas complied with permit conditions from the Lower Trent Conservation Authority for all watercourse crossings.</li> <li>- Enbridge Gas adhered to all company specifications and the Fisheries and Oceans Canada – endorsed Generic Sediment Control Plan for Horizontal Directional Drill for watercourse crossings.</li> </ul>

<b>Table 1: Potential Impacts and Mitigation Measures</b>		
<b>Issue</b>	<b>Potential Impact</b>	<b>Mitigation Measure</b>
Natural Areas	Sedimentation migration	- Sediment barriers (i.e., silt fencing and filter soxx) were used in areas where there was potential for sediment migration.
Vegetative Cover	Loss of vegetative cover leading to soil erosion	- Cover was restored by seeding as soon as possible.
Soils: Erosion	Introduction of sediment/silt to adjacent lands	- Disturbed soils were restored as soon as possible after construction.
Roadside Ditches	Water quality concerns	<ul style="list-style-type: none"> <li>- Ditches were returned to pre-construction condition as quickly as possible.</li> <li>- Filter soxx check dams were installed as required.</li> </ul>
Spills	Public safety issue	<ul style="list-style-type: none"> <li>- Minor spills were identified during construction.</li> <li>- Spill clean-up materials was stored onsite and were available in the event of a spill. If necessary, spills or leaks were reported to the appropriate authority immediately (Ministry of the Environment, Conservation and Parks Spills Action Centre at 1-800-268-6060).</li> </ul>
Contaminated Soils	Dealing with contaminated materials	- No contaminated soils were identified during construction.
	Public safety issue	
Site Restoration	Disturbance to public and private properties	- The construction area was restored as soon as possible upon completion of pipe installation.



## **Table 2**

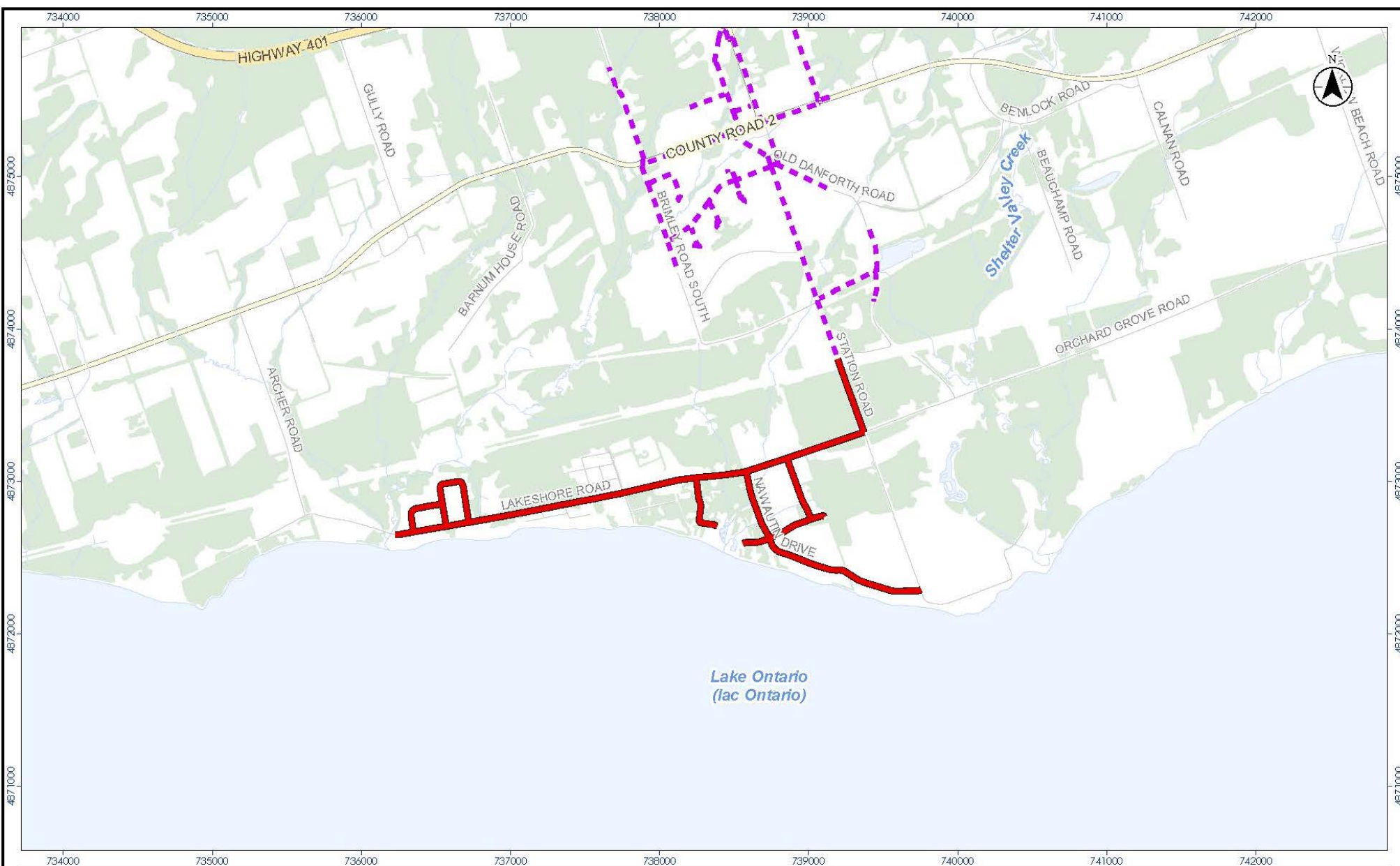
### **Complaint Tracking System**

<b>Haldimand Shores Community Expansion Project: Summary of Landowner Complaints</b>			
<b>Date</b>	<b>Complaint</b>	<b>Resolution</b>	<b>Status</b>
<b>October 27, 2022</b>	A resident contacted the Contractor and Enbridge Gas with a complaint that their phone line was damaged.	<b>October 27, 2022</b> The contractor contacted Bell and the damage wire was repaired.	Resolved on October 27, 2022.
<b>October 27, 2022</b>	A resident contacted the Contractor and Enbridge Gas with a complaint that their phone line was damaged.	<b>October 27, 2022</b> The contractor contacted Bell and the damage wire was repaired.	Resolved on October 27, 2022.
<b>January 18, 2023</b>	The contractor noticed damage to a residents Bell line and informed the homeowner.	<b>January 19, 2023</b> Bell was onsite and completed repairs. .	Resolved on January 19, 2023.
<b>January 19, 2023</b>	A resident raised a concern to Enbridge Gas that their furnace was broken and had to use their fireplace and electric heat.	<b>January 19, 2023</b> Enbridge Gas spoke with the contractor to expedite the installation of natural gas to the residence.	Resolved on February 7, 2023.

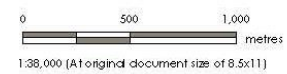
# **Appendix A**

## **Project Mapping**

\\CD1215-R01\Work\_Group\01609\Active\Other\_Post\_1\_609\_GIS\160961450\03\_data\gis\mxd\ap\consultation\20210921\_No\_C\_letter\_map\_haldimand\_shores\_v2.mxd Revised: 2022-02-28 By: searles



- Legend**
- Existing Distribution Lines
  - Preferred Route
  - Expressway / Highway
  - Major Road
  - Minor Road
  - Watercourse
  - Wooded Area
  - Waterbody



**Notes**  
1. Coordinate System: NAD 1983 UTM Zone 17N  
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2021.

Project Location 160961450 REV A  
County of Northumberland Prepared by BK on 2022-02-28  
Technical Review by SE on 2021-09-24

Client/Project  
ENBRIDGE GAS INC.  
HALDIMAND SHORES COMMUNITY EXPANSION  
PROJECT

Figure No.  
**1**

**Haldimand Shores Community Expansion Project**

Disclaimer: Stantec assumes no responsibility for data applied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

## **Appendix B**

### **Conditions of Approval**

**Leave to Construct Application under  
Section 90 of the OEB Act**

**Enbridge Gas Inc.  
EB-2022-0088**

**Conditions of Approval**

1. Enbridge Gas Inc. shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2022-0088 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 Inc. shall give the OEB notice in writing:
  - i. of the commencement of construction, at least 10 days prior to the date construction commences
  - ii. of the planned in-service date, at least 10 days prior to the date the facilities go into service
  - iii. of the date on which construction was completed, no later than 10 days following the completion of construction
  - iv. of the in-service date, no later than 10 days after the facilities go into service
3. Enbridge Gas Inc. shall obtain all necessary approvals, permits, licences, certificates, agreements and rights required to construct, operate and maintain the Project.
4. Enbridge Gas Inc. shall implement 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.
5. Enbridge Gas Inc. shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. Except in an emergency, Enbridge Gas Inc. 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.
6. Concurrent with the final monitoring report referred to in Condition 8(b), Enbridge Gas Inc. 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 Inc. 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 Inc. proposes to start collecting revenues associated with the Project, whichever is earlier.



7. Both during and after construction, Enbridge Gas Inc. shall monitor the impacts of construction, and shall file with the OEB 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 Inc. 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 Inc., 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, licenses, 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 a certification, by a senior executive of the company, of Enbridge Gas Inc. adherence to Condition 3
    - ii. describe the condition of any rehabilitated land
    - iii. describe the effectiveness of any 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
    - v. include a log of all complaints received by Enbridge Gas Inc., including the date/time the complaint was received; a description of the complaint; any actions taken to address the complaint; and the rationale for taking such actions
8. Enbridge Gas Inc. shall designate one of their employees as project manager who will be the point of contact for these conditions and shall provide the employee's name and contact information to the OEB and to all affected landowners, and shall clearly post the project manager's contact information in a prominent place at the construction site.

## **Appendix C**

### **Executive Certification**





**Leave to Construct Application under Section 90 of the OEB Act**

**Enbridge Gas Inc.**

**EB-2022-0088**

**Conditions of Approval**

**August 18, 2022**

I hereby certify that Enbridge Gas Inc. has obtained all necessary approvals, permits, licences, certificates, agreements and rights required to construct, operate and maintain the Project in accordance with the OEB's Decision and Order in EB-2022-0088 and the Conditions of Approval, as per Condition 7 (b)(i).

May 27, 2024

Date

Mark Maxwell

Director, Field Services, Growth and  
Construction

Enbridge Gas Inc.

**Condition 7 (b)(i).**

7. Both during and after construction, Enbridge Gas Inc. shall monitor the impacts of construction, and shall file with the OEB an electronic copy (searchable PDF) version of each of the following reports:
  - b) A final monitoring 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 Inc. adherence to Condition 3.

**Condition 3**

Enbridge Gas Inc. shall obtain all necessary approvals, permits, licences, certificates, agreements and rights required to construct, operate and maintain the Project.

# **Appendix D**

## **Photograph Inventory**



1. The pipeline was installed via horizontal directional drilling where ground conditions allowed.



2. Where horizontal directional drilling was not utilized due to unsuitable ground conditions, the pipeline was ploughed in which causes very little ground disturbance.





3. Enbridge Gas returned to the right-of-way in the spring of 2023 to undertake cleanup operations and restore the disturbed lands.



4. The lands were fully restored in the spring of 2024.





5. The majority of construction was within the road allowance. In those areas where the plough was used to install the pipeline, additional cleanup was undertaken in spring 2023.



6. The road allowance was restored in spring 2024.

## POST CONSTRUCTION FINANCIAL REPORT

### Haldimand Shores Community Expansion

EB-2022-0088

June 1, 2024

In compliance with the Ontario Energy Board (“OEB”) Order EB-2019-0294 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 \$4,066,718 or 0.4% higher than estimated. The following explains any significant variances.

Item No.	Description	Project Estimate (\$)	Actual Cost (\$)	Variance (\$)	Variance (%)
1	Material Costs	92,804	127,758	34,954	38%
2	Labour and Construction Costs	2,585,345	3,038,556	453,211	18%
3	External Costs (Geotechnical, Environmental, Surveying, External Engineering, Insurance)	665,452	874,433	208,981	31%
4	Direct Capital Cost	3,343,601	4,040,747	697,146	21%
5	Contingency	671,525		(671,525)	-100%
6	Interest During Construction	33,583	25,971	(7,612)	-22%
7	<b>Total Project Costs</b>	<b>4,048,709</b>	<b>4,066,718</b>	<b>18,009</b>	<b>0.4%</b>
8	NGEP Funding	(2,827,923)	(2,827,923)		
9	Net Project Costs	1,220,786	1,238,795	18,009	1%

Item No.	Description	Variance Explanation
1	Material Costs	<p>At the time of the leave to construct (“LTC”) application, high level estimates were provided for the steel and plastic pipe. Actual quotes received for the steel pipe were higher than anticipated by approximately \$10K, and for the plastic pipe by approximately \$22K.</p> <p>These increases in pipe cost per meter also impacted service cost assumptions.</p>
2	Labour and Construction Costs	<p>At the time of the LTC application, ground conditions were assumed to be favorable. Rock was encountered on Nawautin Drive and North Shore Road, which impacted the budget and schedule, by approximately \$140K and 6.5 days. The rock also resulted in additional clean-up costs around \$33K.</p>

		<p>In the same area mentioned above, private water mains were encountered and required an additional 12 days and approximately \$100K to safely expose and locate ensuring safe installation of the natural gas distribution pipe along those roads.</p> <p>In total, 66 services were installed in 2023, which was higher than anticipated based on the 10-year forecast year 1 target of 30. The project schedule was also shifted, starting and ending later than anticipated due to permit delays. This resulted in additional clean-up costs related to Mains and Services around \$111K.</p>
3	External Costs	<p>The project design and specifications followed all applicable standards and procedures but encountered an unforeseen issue with low odorant levels. This required additional time and resources to remediate, approximating \$165K.</p> <p>Based on the findings of the environmental study and associated Environmental Report, further environmental work and permitting was required for the project, including a Cultural Heritage Report (originally budgeted for the Cultural Heritage checklist only), Stage 2 Archaeological Assessment field work, Natural Heritage Field Program, Environmental Protection Plan, and residential well monitoring. Upon completing the review of the Environmental Report for the Project, two Indigenous Communities requested Stantec complete an assessment of watercourses in the Project footprint to better understand fish community data. This collection of fish community data was not included in the initial Proposal. These items resulted in additional costs approximating \$45K.</p> <p>The 10-yr forecast anticipated 30 services in Year 1, where 66 services were actually installed, thereby increasing upfront service costs. The rock encountered also contributed to an average cost per service that was higher than anticipated in the 10-year service cost assumptions.</p>
5	Contingency Costs	Contingency for the project was fully utilized.

At the time of the LTC application, Enbridge Gas forecasted the attachment of 112 residential customers from Year 1 to 10 (EB-2022-0088, Exhibit B, Tab 1, Schedule 1, Table 2). At this time, 66 services have been installed to date, leaving 46 forecasted customers remaining to attach by 2032.

Due to the variance explanations above, assuming the full 10-year forecast is realized, the remaining service installations are projected to increase the project variance. Service installation costs vary depending on service length, size, material, and ground conditions, and it is therefore difficult to



forecast the variance at this time. The extra length charge collected from customers will offset some costs but as described above, the impact is unknown at this time.