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**VIA EMAIL and RESS**

September 1, 2021

Christine Long  
Registrar  
Ontario Energy Board  
2300 Yonge Street, Suite 2700  
Toronto, Ontario, M4P 1E4

Dear Christine Long:

**Re: Enbridge Gas Inc. (“Enbridge Gas”)  
Ontario Energy Board (“OEB”) File No.: EB-2018-0226  
Georgian Sands Pipeline Project (“Project”)**

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On July 25, 2019 the Board issued its Decision and Order for the above noted proceeding which included, as Schedule B, several Conditions of Approval.

Per Schedule B, Section 6. and 7. (b) in the aforementioned Decision and Order, Enbridge Gas is to provide the OEB with the Final Monitoring and Post Construction Financial reports, 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 enclosed a copy of the Post Construction Financial and Final Monitoring reports for the Georgian Sands System Expansion Project.

Please contact me if you have any questions.

Yours truly,

Brittany Zimmer  
Advisor, Regulatory Applications – Leave to Construct

**Georgian Sands Pipeline Project:**  
**Final Monitoring Report**  
**EB-2018-0226**

Company: Enbridge Gas



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## Introduction

On July 25, 2019 the Ontario Energy Board (OEB), in its Decision and Order for EB-2018-0226, granted Enbridge Gas Inc. (“Enbridge Gas”) leave to construct natural gas pipeline and ancillary facilities required to provide gas distribution service to the future customers of the Georgian Sands planned subdivision in Simcoe County. This project is referred to as the Georgian Sands Pipeline Project (the “Project”).

As part of the OEB’s Decision and Order (Schedule B – Conditions of Approval), Enbridge Gas is required to complete a Final Monitoring Report to be filed with the OEB within 15 months of the in-service date. This is the Final Monitoring Report for the Project.

As part of the Project, Enbridge Gas conducted the studies listed in **Table 1** to inform the design, planning and permitting process, identify environmental and socio-economic impacts potentially resulting from construction and minimize and mitigate impacts through the application of documented mitigation measures.

**Table 1: Studies Completed for Georgian Sands Pipeline Project**

REPORT TITLE	CONDUCTED BY:	DATE
Memo: Heritage Overview, Enbridge Gas Distribution Inc., Georgian Sands Pipeline Project	Stantec Consulting Ltd.	September 21, 2018
Stage 1 Archaeological Assessment: Georgian Sands Pipeline Project Part of Various Lots and Concessions, Geographic Township of Flos, Now Township of Springwater, Simcoe County, Ontario	Stantec Consulting Ltd.	October 17, 2018
Proposed Georgian Sands Pipeline Project Final Report Environmental Report	Stantec Consulting Ltd.	November 30, 2018
Email Summary: Georgian Sands Butternut Survey	Stantec Consulting Ltd.	July 12, 2019
Stage 2 Archaeological Assessment: Georgian Sands Pipeline Project Part of Various Lots and Concessions, Geographic Township of Flos, Now Township of Springwater, Simcoe County, Ontario	Stantec Consulting Ltd.	July 16, 2019
Georgian Sands Pipeline: Cultural Heritage Assessment Report	Stantec Consulting Ltd.	July 24, 2019
Water Taking and Discharge Report, Georgian Sands Pipeline Project Final Report	Stantec Consulting Ltd.	August 8, 2019
Georgian Sands Pipeline Project: Environmental Protection Plan Final Report	Stantec Consulting Ltd.	August 9, 2019

Georgian Sands Pipeline Project – Construction Vibration Monitoring Summary	Stantec Consulting Ltd.	May 8, 2020
Pre-Construction Condition Survey – Georgian Sands Pipeline CHR11 – 2940 Vigo Road Phelpston, Ontario	Stantec Consulting Ltd.	June 19, 2020
Post-Construction Condition Survey – Georgian Sands Pipeline CHR11 2940 Vigo Road Phelpston, Ontario	Stantec Consulting Ltd.	June 19, 2020
Pre-Construction Condition Survey – Georgian Sands Pipeline - CHR5 2383 Vigo Road Phelpston, Ontario	Stantec Consulting Ltd.	June 19, 2020
Post-Construction Condition Survey – Georgian Sands Pipeline CHR5 2383 Vigo Road Phelpston, Ontario	Stantec Consulting Ltd.	June 19, 2020

Construction of the Project began October 15, 2019, and the pipeline was energized and placed into-service on June 1, 2020. In accordance with the Conditions of Approval for the Project, Enbridge Gas filed notifications of these Project milestones with the OEB.<sup>1</sup>

The scope of this Final Monitoring Report has been prepared to address condition 7. b) of the Schedule B - Conditions of Approval set out in the Decision and Order for EB-2018-0226, as follows:

7. *Both during and after construction, Enbridge 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:*
  - 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, Enbridge’s 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*

<sup>1</sup> Please refer to the letters filed by Enbridge Gas with the OEB on the following dates September 23, 2019, June 3, 2020 and August 17, 2020.

- v. *Include a log of all complaints received by Enbridge, 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*

The Certifications required pursuant to conditions 7 b) i) are attached as Appendix A to this Final Monitoring Report.

This Final Report is limited to items that have been identified since the submission of the Post-Construction Interim Report (Interim Report) on August 31, 2020, and prior to completion of this report. This report summarizes final restoration activities and addresses any outstanding issues, if identified.

## Project Description

The Project included the installation of approximately 6.4 km of nominal pipe size (“NPS”) 6-inch Intermediate Pressure (“IP”) polyethylene natural gas pipeline, as well as 8 m of NPS 8 steel extra high pressure (“XHP”) pipeline to connect the District Station to the existing NPS 8 steel XHP pipeline on Flos Road 4 at Vigo Road. The Project was required to provide gas distribution service to the future customers of the Georgian Sands planned subdivision in Simcoe County. Refer to Appendix B, Figure 1: Final Pipeline Location.

## Construction Effects and Mitigation Measures

Mitigation measures implemented to minimize potential environmental effects during Project construction are documented in the Interim Report filed August 31, 2020. All construction and rehabilitation activities comply with the Conditions of Approval set out in the OEB Decision and Order, including ensuring that the requirements of all approvals, permits, licenses and certificates are fully addressed. In addition, Project activities were conducted in accordance with Enbridge Gas’s Construction Policies and Procedures, the mitigation measures, and monitoring and contingency plans outlined in Sections 4.0 and 6.0 of the Georgian Sands Pipeline Project Final Report (Environmental Report). Representative conditions along the Project pipeline route and additional actions required were identified in Table 2 of the Interim Report, and an update is provided below.

Photos of the Project area taken July 27, 2021 are found in Appendix C.

**Table 2: Georgian Sands Pipeline Project Conditions and Actions**

PHOTO #	LOCATION	CURRENT CONDITION	ACTION
<b>Photo 1</b>	Soft ditch on Flos Road 8.	Vegetation has been sufficiently established within the road ditch and no erosion was observed. Some minor bare areas were noted along Flos Road 8 which are anticipated to naturally continue to revegetate over time.	None required.
<b>Photo 2</b>	Sandy embankment on Flos Road 8	Vegetation has established on the slope with some isolated bare patches. There was no erosion observed and the slope is anticipated to naturally continue to revegetate over time.	None required.
<b>Photo 3</b>	Sandy embankment just south of Flos Road 8.	Vegetation establishment is excellent south of Flos Road 8.	None required.
<b>Photo 4</b>	Embankment between Flos Road 7 and Flos Road 8.	Vegetation establishment is excellent, and the slope and ditch have been appropriately stabilized.	None required.
<b>Photo 5</b>	Road ditch between Flos Road 6 and Flos Road 5.	Disturbances between Flos Road 6 and Flos Road 5 are appropriately stabilized with excellent vegetation establishment throughout.	None required.
<b>Photo 6</b>	Ditch between Flos Road 5 and Flos Road 4.	Reclaimed sites generally have good vegetation establishment. There is no evidence of erosion and sites are anticipated to revegetate naturally over time.	None required.

## Residual Issues

The right-of-way was assessed on July 27, 2021 after two growing seasons in 2020 and 2021. Vegetation establishment across the right-of-way was excellent with a few small, isolated areas with less than 50% germination. There were no erosion and sediment concerns identified along the right-of-way, no obvious signs of subsidence, and no slopes that exhibited erosion or stability concerns. Because of the abundant seed source within the existing right-of-way and adjacent area, vegetation is expected to fully establish without any additional seeding amendments and the right-of-way is expected to remain stable.

Watercourses crossed along the right-of-way all appear to be in good shape and not at risk of impacts resulting from previous construction activities. Disturbances for exit and entry pits are adequately re-vegetated with no evidence of erosion or resulting sedimentation; therefore, no residual effects upon watercourses are anticipated.

Some Silt Soxx<sup>TM</sup> were identified along the ROW which will be removed or have the sleeves removed to allow the mulch to break down naturally at the site. No other residual issues were identified during the site visit.

## Comments and Complaints

Since the filing of the Interim Report, no comments or complaints have been received.

## Summary

This Final Report has been prepared in accordance with the OEB Decision and Order. It documents the final conditions after construction and restoration activities were completed as part of the Project. Measures implemented during construction and restoration activities have been successful.



## Appendix A

### EXECUTIVE CERTIFICATIONS

**Georgian Sands Pipeline Project  
EB-2018-0226  
Decision and Order  
July 25, 2019**

I hereby certify Enbridge Gas Inc. has constructed the facilities and restored the land in accordance with the OEB's Decision and Order, EB-2018-0226, Schedule B, Condition 7. b).

\_\_\_\_\_

Date

\_\_\_\_\_

Neil MacNeil  
Director, System Improvement, Engineering  
Enbridge Gas Inc.

Condition 7.

*Both during and after construction, Enbridge 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:*

- 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's 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; and,*
  - v. include a log of all complaints received by Enbridge, 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.**

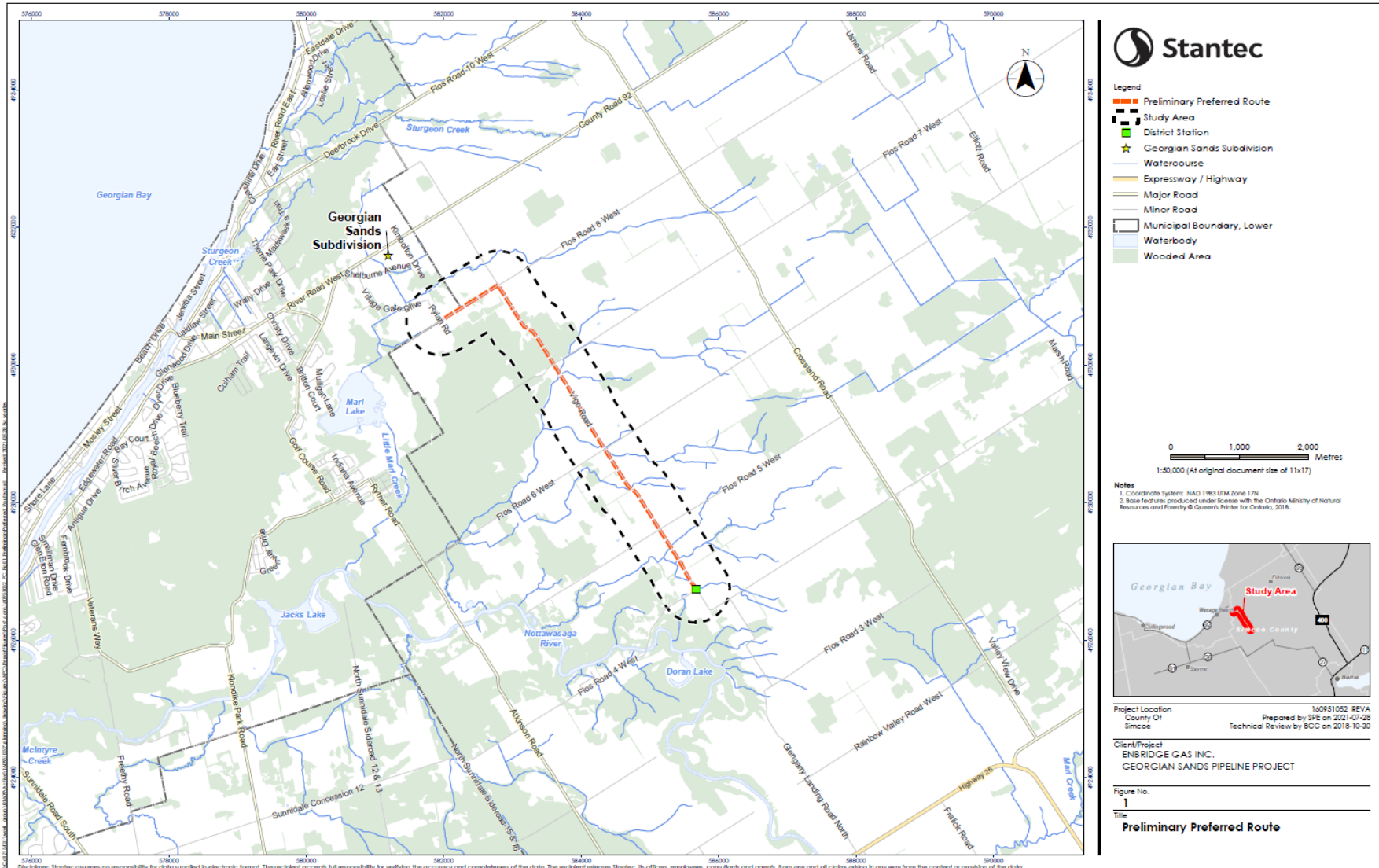
Condition 3.

*Enbridge 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.*

## Appendix B

### LOCATION MAP

Figure 1: Final Pipeline Location



## **Appendix C**

### **PHOTO LOG**



**Photo 1a: Soft ditch on Flos Road 8, reclaimed and seeded (May 2020).**



**Photo 1b: Road ditch on Flos Road 8 with excellent vegetation establishment (July 2021).**



**Photo 2a: Sandy embankment on Flos Road 8 which has topsoil and seed applied (May 2020).**



**Photo 2b: Sandy embankment on Flos Road 8 which has vegetation established and should continue to revegetate naturally over time (July 2021).**



**Photo 3a: Topsoil and seed placed on sandy embankment just south of Flos Road 8 (May 2020).**



**Photo 3b: General location of reclaimed area south of Flos Road 8 (July 2021).**





**Photo 4a: Silt Soxx™ limiting potential for off-site sedimentation between Flos Road 7 and Flos Road 8 (May 2020).**



**Photo 4b: Stabilized road ditch in the general location where the Silt Soxx™ was installed between Flos Road 7 and Flos Road 8 (July 2021).**



**Photo 5a: Road ditch between Flos Road 6 and Flos Road 5 (May 2020).**



**Photo 5b: Reclaimed ditch between Flos Road 6 and Flos Road 5 (July 2021).**



**Photo 6a: Reclaimed ditch between Flos Road 5 and Flos Road 4 (May 2020).**



**Photo 6b: Reclaimed ditch between Flos Road 5 and Flos Road 4 (July 2021).**



**Photo 7: Reclaimed ditch between Flos Road 8 and Flos Road 7 (July 2021).**



**Photo 8: Watercourse crossing between Flos Road 6 and Flos Road 5 (July 2021).**



**Photo 9: Reclaimed ditch between Flos Road 5 and Flos Road 4 with moderate vegetation establishment anticipated to naturally revegetate over time (July 2021).**



**Photo 10: Reclaimed ditch at the tie-in location at Flos Road 4 (July 2021).**

## **Georgian Sands Pipeline Project**

**EB-2018-0226**

### **Post Construction Financial Report on Costs and Variances**

**Sept 1, 2021**

#### Introduction

On February 27, 2019 Enbridge Gas Distribution Inc. (“Enbridge Gas” or the “Company”) applied to the Ontario Energy Board (“OEB”) under section 90 of the *Ontario Energy Board Act* (the “Act”), for an order granting Leave to Construct of approximately 6.4 km of natural gas pipeline in Simcoe County. The Georgian Sands Pipeline Project (the “Project”) is a system expansion project that was built to serve the Georgian Sands planned subdivision in Simcoe County. The project is comprised of two sections of pipeline and a district station. The first section of pipeline is approximately 8 m in length and its purpose is to connect the existing Extra High Pressure (“XHP”) pipeline to the newly installed district station. The district station was constructed at Flos Road 4 West and Vigo Road to reduce the pressure of natural gas supply from Extra High Pressure (“XHP”) to Intermediate Pressure (“IP”), which is the operating pressure of the second section of pipeline. The second section of pipeline is approximately 6.4 km in length and runs along Vigo Road to Flows Road 8 where it travels west until it terminates at the Georgian Sands subdivision.

The OEB granted Leave to Construct the Project on July 25, 2019.

Pipeline construction activities for the Project commenced on October 7, 2019 and the related facilities were placed into service on June 1, 2020.

This Post Construction Financial Report was prepared to satisfy Condition 6 of the Conditions of Approval set out in the OEB’s Decision and Order:

6. Concurrent with the final monitoring report referred to in Condition 7(b), Enbridge shall file a Post Construction Financial Report, which shall indicate the actual capital costs of the project and shall provide an explanation for any significant variances from the cost estimates filed in this proceeding. Enbridge 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 proposes to start collecting revenues associated with the project, whichever is earlier.

This report summarizes estimated<sup>1</sup> and actual capital costs of the Project and provides explanations for significant variances.

### Cost and Variance Reporting

The actual costs of construction for the Project were approximately \$0.715 million less than the project estimates filed as part of the Company's original Project application and evidence.

A comparison of actual versus estimated project costs is set out in Table 1 below.

**Table 1 – Total Project Costs**

Item	Project Estimate (\$)	Actual Cost (\$)	Variance (\$)
Material Cost	277,125	318,568	41,443
Labour and Construction	1,698,496	1,542,383	(156,113)
Internal Costs	115,000	71,760	(43,240)
Consultant Costs	239,480	178,018	(61,462)
Land	16,375	1,803	(14,572)
Contingency	469,295	0	(469,295)
Interest During Construction	11,766	8,703.93	(3,063)
Total Project Cost	2,827,537	2,112,532	715,003

Significant category-specific cost variances are discussed below:

#### 1.0 Labour and Construction

The actual Labour and Construction cost was \$1.5 million, approximately \$0.150 million less than originally estimated. This Project had a relatively simple construction, including no significant issues arising from traffic, utilities, ground conditions or weather, resulting in lower than estimated Labour and Construction costs.

#### 2.0 Contingency

The actual Contingency cost for this Project was \$0, approximately \$0.470 million less than originally estimated. For the same reasons outlined in section 1.0 above, the contingency estimated for this project was not required.

<sup>1</sup> EB-2018-0226, Exhibit D, Tab 2, Schedule 1.