

**Enbridge Gas Inc.
Low-Carbon Energy Project
Environmental Report Addendum**

Prepared for:

Enbridge Gas Inc.

101 Honda Blvd.
Markham, Ontario
L6C 0M6

Prepared by:

Dillon Consulting Limited

235 Yorkland Blvd., Suite 800
Toronto, Ontario
M2J 4Y8

September 2019



DILLON
CONSULTING

TABLE OF CONTENTS

	<u>Page No.</u>
1.0 INTRODUCTION.....	1
2.0 CONCORDANCE TABLE.....	2
3.0 FUTURE UPDATES	5

LIST OF TABLES

	<u>Page No.</u>
Table 1: CONCORDANCE TABLE.....	2

LIST OF ACRONYMS AND ABBREVIATIONS

Dillon	Dillon Consulting Limited
Enbridge	Enbridge Gas Inc.
km	kilometre(s)
the Addendum the Project	Addendum to the Environmental Report Low-Carbon Energy Project
TRCA	Toronto and Region Conservation Authority

1.0 INTRODUCTION

Enbridge Gas Inc. (Enbridge) retained Dillon Consulting Limited (Dillon) to undertake an environmental and cumulative effects assessment for the proposed Low-Carbon Energy Project (the Project), which consists of the construction and operation of approximately 6.7 kilometers (km) of natural gas pipeline in the City of Markham.

This report is an Addendum to the Environmental Report (the Addendum) and serves to address comments from the Toronto and Region Conservation Authority (TRCA) that were provided to Enbridge after the Environmental Report was submitted for regulatory review.

This Addendum is to be read in conjunction with the Environmental Report and is not a stand-alone report. Information from the Environmental Report is not repeated in this Addendum, except where required to provide context. The information provided in this Addendum does not result in any material changes to the content or conclusions of the environmental and cumulative effects assessment provided in the Environmental Report.

2.0 CONCORDANCE TABLE

Table 1 outlines the changes to applicable sections of the Environmental Report in response to comments provided by TRCA.

Table 1: CONCORDANCE TABLE

Section of Environmental Report	Current Text	Updated Text (<i>italics</i>)
Section 7.3 Identified Projects	Specific projects identified within the proposed Study Area and temporal boundaries include: <ul style="list-style-type: none"> ▪ Ministry of Transportation Highway 404 HOV Lane Widening; ▪ York Downs Golf Course Redevelopment; and, ▪ North Markham Future Urban Area. 	Specific projects identified within the proposed Study Area and temporal boundaries include: <ul style="list-style-type: none"> ▪ Ministry of Transportation Highway 404 HOV Lane Widening; ▪ York Downs Golf Course Redevelopment; ▪ North Markham Future Urban Area; ▪ <i>York Region - Road crossing of Highway 404 between Major Mackenzie Drive and Elgin Mills Road;</i> ▪ <i>York Region - Highway 404 mid-block crossing (16th Avenue to Major Mackenzie Drive);</i> ▪ <i>York Region - 16th Avenue Environmental Assessment from Woodbine Avenue to York/Durham Line; and</i> ▪ <i>York Region - 16th Avenue Environmental Assessment from Yonge Street to Woodbine Avenue.</i>

Section of Environmental Report	Current Text	Updated Text (<i>italics</i>)
Section 5.2 Temporary Working Space and Laydown Areas	<p>When siting temporary facilities, the following criteria should be used to minimize environmental and socio-economic impacts:</p> <ul style="list-style-type: none"> ▪ Identify locations within previously disturbed areas; ▪ Select locations close to the area of construction to minimize ground disturbance; ▪ Avoid areas with native vegetation and other natural features such as woodlands; ▪ Avoid, where possible, known locations of Species at Risk; ▪ Avoid sloped and poorly drained areas; ▪ Avoid areas with known cultural heritage/archaeological resources; and, ▪ Avoid residential receptors, to the extent possible. 	<p>When siting temporary facilities, the following criteria should be used to minimize environmental and socio-economic impacts:</p> <ul style="list-style-type: none"> ▪ Identify locations within previously disturbed areas; ▪ Select locations close to the area of construction to minimize ground disturbance; ▪ Avoid areas with native vegetation and other natural features such as woodlands; ▪ Avoid, where possible, known locations of Species at Risk; ▪ Avoid sloped and poorly drained areas; ▪ <i>Avoid the Regulatory Floodplain as identified on TRCA floodplain mapping;</i> ▪ Avoid areas with known cultural heritage/archaeological resources; and, ▪ Avoid residential receptors, to the extent possible.
Section 1.1 Description of the Project	<p>Disconnect locations (DLs) are required as part of both Phase 1 and Phase 2 in order to achieve a closed loop for hydrogen blending.</p>	<p>Disconnect locations (DLs) are required as part of both Phase 1 and Phase 2 in order to achieve a closed loop for hydrogen blending. <i>Physical works at the DLs will include: removal of surface vegetation (grass, shrubs) and sidewalk/interlock; excavation; pipe work within excavation; backfill; and restoration of all disturbed surfaces. No change of grade will occur.</i></p>
Section 3.2.3 Wetlands	<p>Mapping of unevaluated and locally significant wetlands indicated one unevaluated wetland was present within the PPR Study Area. <u>Preliminary Preferred Route</u> One unevaluated wetland, measuring approximately 4,600 m² in size, was observed within the PPR Study Area at WC4. This wetland is located on the west side of Woodbine Avenue, north of Major Mackenzie Drive.</p>	<p>Mapping of unevaluated and locally significant wetlands indicated one unevaluated wetland was present within the PPR <i>field Study Area (i.e., within the 60 m Project footprint).</i> <u>Preliminary Preferred Route</u> One unevaluated wetland, measuring approximately 4,600 m² in size, was observed within the PPR <i>field Study Area</i> at WC4. This wetland is located on the west side of Woodbine Avenue, north of Major Mackenzie Drive.</p>

Section of Environmental Report	Current Text	Updated Text (<i>italics</i>)
Table 15, Section 6.2 Natural Environment	<ul style="list-style-type: none"> ▪ See Wetlands row, Mitigation Measures column. 	<p>Added the following measure to the general mitigation measures for wetlands:</p> <ul style="list-style-type: none"> ▪ <i>Vegetate any disturbed areas by planting and seeding preferably with native trees, shrubs or grasses and cover such areas with mulch to prevent soil erosion and to help seeds germinate. If there is insufficient time remaining in the growing season, the site should be stabilized (i.e., cover exposed areas with erosion control blankets to keep the soil in place and prevent erosion) and revegetated the following spring.</i>

3.0 FUTURE UPDATES

TRCA indicated that they have recently updated their regulation mapping within the vicinity of the Project Study Area. The updated mapping shows one additional watercourse and several unmapped wetlands not depicted on the current figures provided in the Environmental Report. These additional features are in/near the Study Area for Phase 2 of the Project and will be updated at a later date, as, at this time, only Phase 1 of the Project has been filed with the Ontario Energy Board for Leave to Construct. In conjunction with future updates to the figures in the Environmental Report, details in Section 3.2.3 (Wetlands) of the Environmental Report will also be updated, if required, at that time.