



## **Municipality of Huron East**

### **Council Agenda**

**Tuesday, November 7, 2023 at 6:00 P.M.**

### **Council Chambers**

**2<sup>nd</sup> Floor, 72 Main Street South, Seaford, ON**

#### **1. Closed Session and Reporting Out**

That a closed meeting of Council be held on Tuesday, November 7, 2023 at 5:45 p.m., in the Town Hall Council Chambers, in accordance with Section 239 of the Municipal Act, 2001 for the purpose of the following matters:

- 1.1 239(2)(b) – personal matters about identifiable individuals **(Verbal Report)**

#### **2. Call to Order & Mayor's Remarks**

#### **3. Land Acknowledgement**

We would like to acknowledge that the land we stand upon today is the traditional territory of the Anishinaabe, Haudenosaunee and Neutral Peoples.

#### **4. Confirmation of the Agenda**

#### **5. Disclosure of Pecuniary Interest**

#### **6. Minutes of Previous Meeting**

- 6.1 [Regular Meeting – October 17, 2023](#)

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#### **7. Consent Agenda**

Items listed under the Consent Agenda are considered routine and are enacted in one motion. However, any Council Member may request one or more items be removed from the Consent Agenda for separate discussion and/or action.

#### **Consent Agenda Items**

- 7.1 [Western Ontario Wardens Caucus](#) re: Leave to Construct Threshold
  - 7.2 [Western Ontario Wardens Caucus](#) re: Strong Mayor Powers
  - 7.3 [Town of Rainy River](#) re: Water Treatment Training
  - 7.4 [Township of McKellar](#) re: Call for an Amendment to the Legislation Act, 2006
  - 7.5 [Ontario Energy Board](#) re: Notice of a Rate Hearing - Enbridge Gas Inc. has Applied to Increase its Natural Gas Distribution Rates
  - 7.6 [Town of Aurora](#) re: Cannabis Retail Applications for the Town of Aurora
  - 7.7 [Personnel Committee](#) re: Minutes from November 1, 2023
  - 7.8 [CLK-23-20](#), Ontario Ombudsman Complaint Resolution
  - 7.9 [CAO-23-33](#), Brussels, Morris & Grey Community Centre (BMGCC) Renovation Update #3
- 8. Public Meetings/Hearings and Delegations**
- 8.1 **Delegation:** Matt Cronin and Jeff Ryan re: Concerns and Impact of Proposed Seaforth Battery Energy Storage System  

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  - 8.2 **Delegation:** Jacob Hanlon, Food Cycle Science re: Municipal Food Waste Diversion Programs  

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  - 8.3 **Engineers Report** re: Sinclair Municipal Drain
- Recommendation:**
- That the Council of the Municipality of Huron East accept the revised engineers' report on the Sinclair Drain Improvement 2023 and designate it as By-law 076-2023;
- And that the Court of Revision be set for December 5, 2023 at 5:30 p.m. and that Alvin McLellan, Dianne Diehl and Raymond Chartrand be appointed be appointed as members with Alvin McLellan acting as Chair.
- 9. Planning**
- 9.1 [Planning Report](#) re: Consent Application C65-2023  

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Now be it resolved that the Council of the Municipality of Huron East agree to reimburse the Grey Fire Fighter Association the total cost of \$5,785.65 plus HST through the 2024 budget process.

**14.4 Announcements**

**15. Other Business**

**15.1 Recommendation from the Personnel Committee re: 2024 Cost of Living Adjustment (COLA)**

**Recommendation:**

That the Council of the Municipality of Huron East approve a cost of living adjustment of 3.8% be applied to all staff wages for 2024.

**16. By-laws**

**16.1 [By-law 076-2023](#), A By-law for the Sinclair Municipal Drain (1<sup>st</sup> and 2<sup>nd</sup> Reading)**

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**16.2 [By-law 077-2023](#), A By-law to Abandon the McDonal Municipal Drain Branch C**

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**16.3 [By-law 078-2023](#), A By-law to Authorize a Source Protection Plan Part IV Enforcement Transfer Agreement under the Clean Water Act with the Ausable Bayfield Conservation Authority (ABCA) and Repeal By-law 071-2020**

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**16.4 [By-law 079-2023](#), A By-law to Authorize the Collection of Assessments for the Moore Municipal Drain (Bluewater)**

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**17. Closed Session and Reporting Out**

That a closed meeting of Council be held on Tuesday, November 7, 2023 immediately following the Council meeting, in the Town Hall Council Chambers, in accordance with Section 239 of the Municipal Act, 2001 for the purpose of the following matters:

**17.1 Adoption of October 17, 2023 Closed Session of Council meeting minutes (**Distributed Separately**)**

- 
- 17.2** 239(2)(b) – personal matters about identifiable individuals (**Verbal Report**)
  - 17.3** 239(2)(c) – proposed or pending disposition of land in Brussels and Vanastra (**Verbal Update**)
  - 18. Confirmatory By-law**
    - 18.1** [By-law 080-2023](#), A By-law to Confirm the Proceedings of Council
  - 19. Adjournment**



**Municipality of Huron East Council Meeting Minutes  
Council Chambers  
72 Main Street South, Seaford, ON  
Tuesday, October 17, 2023**

**Members Present:**

Mayor: Bernie MacLellan; Deputy Mayor: Alvin McLellan; Councillors: Raymond Chartrand, Brenda Dalton, Dianne Diehl, Robert Fisher, Larry McGrath, Justin Morrison, Jeff Newell, and Gloria Wilbee

**Absent:**

Councillor John Steffler

**Staff Present:**

CAO Brad McRoberts; Clerk Jessica Rudy; Director of Finance/Treasurer Stacy Grenier; Director of Public Works Barry Mills; Fire Chief Kent Readman; Director of Community Services Lissa Berard and Drainage Superintendent Ken McCallum

**Others Present:**

Huron County Planner Shae Stoll

Ed Delay, RJ Burnside & Associates (Item 7.2)

**1. Call to Order and Opening Remarks**

Mayor MacLellan called the meeting to order at 6:00 p.m.

Mayor MacLellan recognized that this week signified Small Business Week and Local Government Week and that October 17, 2023 was also Early Childhood Educators and Child Care Worker Appreciation Day.

Mayor MacLellan commented that the Seaford downtown area was mostly open after the tractor collision that took place on Friday, October 13, 2023, and congratulated the CAO, Public Works staff, Fire Chief and Firefighters and staff involved in the Emergency Control Group noting that they all did a good job to ensure public safety.

**2. Land Acknowledgement**

Mayor MacLellan provided the land acknowledgement.

**3. Confirmation of the Agenda**

Moved by Councillor Morrison and Seconded by Councillor Fisher:

That the Agenda, for the Regular Meeting of Council dated October 17, 2023, as amended to include Item 14.1 regarding a request from the Cranbrook Community Centre Committee, be adopted.

Carried

#### **4. Disclosure of Pecuniary Interest**

None declared.

#### **5. Minutes of Previous Meeting**

Moved by Councillor Chartrand and Seconded by Councillor Diehl:

That Council of the Municipality of Huron East approve the following Council Meeting Minutes as circulated:

**5.1** Regular Meeting – October 3, 2023

**5.2** Public Meeting – October 3, 2023

**5.3** Committee of Adjustment Public Hearing – October 3, 2023

Carried

#### **6. Consent Agenda**

There were no requests to remove any items from the Consent Agenda.

Moved by Deputy Mayor McLellan and Seconded by Councillor Dalton:

That the Consent Agenda items 6.1 and 6.2 be received for information and approved.

- Municipality of South Huron re: Notice of Open House and Public Meeting for Official Plan and Zoning By-law Amendments
- Council Expenses for September 2023

Carried

#### **7. Public Meetings/Hearings and Delegations**

**7.1 Delegation:** Lisa Harper and Ryan Erb, United Way Perth Huron re: Huron County/Huron East United Way

Lisa Harper and Ryan Erb appeared before Council highlighting their current statistics, the 211 system and the coldest night of the year and requested that a Council and/or staff member be appointed to the Huron East Community Committee for January 2024.

In response to Council, R. Erb confirmed that that the info Perth Huron website narrows down all the resources available through 211 and that it can also help connect people and organizations in disaster management situations.

In regard to Intimate Partner Violence statistics, R. Erb confirmed that most of all statistics were exacerbated by COVID but have not gone back down since.

## **7.2 Staff Report: DRAINS-23-06 re: Geiger Municipal Drain Tender Options**

Landowners were provided the opportunity to add their name to the petition and no one came forward.

The original and only petitioner was provided the opportunity to remove their name from the petition, however they were not in attendance and did not provide any prior indication of wishing to remove their name.

Ed DeLay, RJ Burnside & Associates, Engineer for the Geiger Municipal Drain provided a background and timeline for the report and outlined the options available to Council in regard to the tenders received. E. DeLay recommended that Council proceed with option one, of accepting the bid from Robinson Farm Drainage.

Drainage Superintendent Ken McCallum noted that retendering would not likely see any reduction in prices and new bidders would likely have a 2025 construction date, depending on how the contractor aligns their 2024 work.

Mayor MacLellan opened the floor for any comments from landowners present, and G. and L. Traquair noted their support in moving forward with the project.

Council discussed the options presented to them and agreed with option one, to accept the bid from Robinson Farm Drainage and proceed to construction.

Moved by Deputy Mayor McLellan and Seconded by Councillor Fisher:

That the Council of the Municipality of Huron East accept the bid from Robinson Farm Drainage of \$387,220.00 plus HST and proceed with construction for the Geiger Municipal Drain.

Carried

## **8. Planning**

### **8.1 Planner's Report re: Consent Application C101-2021**

Huron County Planner Shae Stoll provided an overview of the application and property details and recommended the application for approval. A copy of the presentation is [appended](#) to the original minutes.

In response to Council, S. Stoll noted that the parkland fee is per development, at this point this is one development and further charges would be implemented with the plan of condominium.

Moved by Deputy Mayor McLellan and Seconded by Councillor McGrath:

That the Council of the Municipality of Huron East acknowledge the report of Huron County Planner, Shae Stoll, dated October 12, 2023 and has no objection to consent



application C101-2021, provided the conditions, as outlined in the planning report, are met.

Carried

### **8.2 Planner's Report re: Consent Application C62-2023**

Huron County Planner Shae Stoll provided an overview of the application and property details and recommended the application for approval. A copy of the presentation is [appended](#) to the original minutes.

Moved by Councillor Wilbee and Seconded by Councillor Fisher:

That the Council of the Municipality of Huron East acknowledge the report of Huron County Planner, Shae Stoll, dated October 12, 2023 and has no objection to consent application C62-2023, provided the conditions, as outlined in the planning report, are met.

Carried

## **9. Municipal Drains**

### **10. Reports & Recommendations of Municipal Officers**

#### **10.1 CAO-23-28, Request for Proposal – Corporate & Community Strategic Plan**

CAO Brad McRoberts provided an overview of the proposals that were received and confirmed that the process would likely take approximately three months to complete.

Moved by Councillor Diehl and Seconded by Councillor Wilbee:

That the Council of the Municipality of Huron East award the Corporate & Community Strategic Plan to Linton Consulting Services Inc.

Carried

#### **10.2 CAO-23-29, Seaforth & District Community Centre Roof**

CAO Brad McRoberts provided a background to the roof replacement, noting that due to the current condition the only option is to replace the entire roof with steel and reminded Council that the quote adds an additional \$600,000 to the original budgeted amount.

In response to Council inquiries regarding fundraising opportunities it was noted that roofs do not generally gain much traction as they are not something tangible that can be used or touched.

Council discussed the increased pricing and asked that when the debenture is prepared that various terms be explored and stated that they would like to see a report from staff outlining potential fundraising opportunities.

Moved by Councillor Dalton and Seconded by Councillor Diehl:

That the Council of the Municipality of Huron East direct staff report back to Council on fundraising opportunities for the Seaforth and District Community Centre (SDCC) roof replacement.

Carried

Moved by Deputy Mayor McLellan and Seconded by Councillor Newell:

That the Council of the Municipality of Huron East authorize staff to proceed with issuance of a tender for the replacement of the roofs at the Seaforth & District Community Centre;

And That the Council of the Municipality of Huron East acknowledge the increase budget estimate of the work from \$1,000,000 to \$1,600,000;

And Further That the Council of the Municipality of Huron East acknowledge that the increased cost will be added to the planned debenture for the roof replacement work.

Carried

### 10.3 CAO-23-30, Workforce Strategy

CAO Brad McRoberts provided a detailed overview of each of the strategies and stressed that these were brought forward for recruitment and retention purposes and noted that the following policies were the ones being recommended to develop and implement in 2024:

- Flexible Work Week;
- Paid Time off to Volunteer;
- Monthly Employee Recognition or Appreciation Program;
- Trial Fitness Membership;
- Teambuilding Exercises; and
- Enhanced Vacation Policy.

It was noted that the Trial Fitness Membership was to be added to the recommendation.

Council offered feedback on the various strategies, and agreed to the proposed 2024 policies, as presented.

Moved by Councillor Fisher and Seconded by Councillor Wilbee:

That the Council of the Municipality of Huron East approve the following Workforce Strategies for implementation in 2024:

- Flexible Work Week;
- Paid Time off to Volunteer;

- Monthly Employee Recognition or Appreciation Program;
- Trial Fitness Membership;
- Teambuilding Exercises; and
- Enhanced Vacation Policy.

And That staff develop policies for the above strategies for Council approval.

Carried

#### **10.4 CAO-23-31, Policy for Annual Cost of Living Increase**

CAO Brad McRoberts noted that the current policy adjusts the cost of living to the August to August Ontario Consumer Price Index (CPI) and is approved by the Personnel Committee. He noted that the proposed policy has the Personnel Committee approving the cost of living increase to a cap of 4% with the remaining percentage carried forward up to two (2) years and provided various scenarios on how the carry forward could be utilized.

In response to Council, B. McRoberts confirmed that adjustments would have to be equal across the grid to maintain equity in the workplace and reiterated that currently there is no cap, CPI could be lower than the 4% but not go beyond that.

Council expressed favour for the 4% cap but requested that the final decision remain at Council opposed to the Personnel Committee and that the carryover option be eliminated from the policy.

Moved by Councillor Diehl and Seconded by Councillor Morrison:

That the Council of the Municipality of Huron East approve the Compensation Policy as discussed.

Carried

#### **10.5 FD-23-05, Request for Pre-Budget Approval for Firefighter Personal Protective Equipment (aka Bunker Gear)**

CAO Brad McRoberts provided a background to the report noting that there is a supply of expired bunker gear that needs to be replaced to ensure that all firefighters are equipped with the proper gear and the need to implement a replacement schedule.

In response to Council, Fire Chief Kent Readman confirmed that all stations would be receiving the gear and that all equipment has an expiry of ten (10) years, including boots and helmets.

In regards to planning for the new recruits K. Readman confirmed that the price is locked in with the group purchase and will be ordered and fitted once they are hired. It was noted that training is a year long process and includes live fire training, having the proper equipment is essential for current and new firefighters.

Moved by Councillor Newell and Seconded by Councillor Wilbee:

That the Council of the Municipality of Huron East pre-approve the amount of \$95,000 in the 2024 budget for firefighter personal protective equipment prior to the 2024 budget being passed.

Carried

## **11. Correspondence**

### **11.1 Brussels Santa Claus Parade Committee re: Brussels 2023 Santa Claus Parade Request for Road Closure**

Moved by Councillor Morrison and Seconded by Councillor Fisher:

That the Council of the Municipality of Huron East approve the request temporary road closures in Brussels on December 2, 2023 from 4:45p.m. until 6:15 p.m. for the Brussels Santa Claus Parade.

Carried

### **11.2 Seaforth Lions Club Santa Claus Parade Committee re: Seaforth Santa Claus Parade Request for Road Closure**

Moved by Councillor Diehl and Seconded by Councillor Wilbee:

That the Council of the Municipality of Huron East approve the request for the temporary road closures in Seaforth on November 24, 2023 from 6:30 p.m. until 8:30 p.m. for the Seaforth Santa Claus Parade.

Carried

## **12. Unfinished Business**

## **13. Council Reports**

### **13.1 Council Member Reports**

#### **13.1.1 County Council Report**

Deputy Mayor McLellan reported that County Council is performing a service level review which has involved three (3) days of information from every department and the services provided, he noted that a final report will come back to County Council outlining the priority areas.

#### **13.1.2 Other Boards/Committees or Meetings/Seminars**

### **13.2 Requests by Members**

Councillor Fisher requested an update on the Brussels, Morris & Grey Community Centre (BMGCC) renovation, Brussels Subdivision development, status of the Toronto Boulevard land in Vanastra and an the Seaforth fire siren for the next meeting.

### 13.3 Notice of Motion

Deputy Mayor McLellan provided notice for a motion at the next Council meeting in regards to the Grey Fire Association purchase of a fan, requesting that the Municipality help cover the cost in the 2024 budget.

### 13.4 Announcements

Deputy Mayor McLellan announced that the Ethel turkey supper will be held on October 29, 2023 for \$15 per person.

Councillor Newell announced that he attended the Brussels fire open house and stated that it was a well-attended, good event.

## 14. Other Business

### 14.1 CS-23-02, Cranbrook Community Centre Committee Request re: Support to Submit a Commonwell L.E.A.F Initiative Works Grant Application

Moved by Councillor Diehl and Seconded by Councillor Morrison:

That the Council of the Municipality of Huron East support the Cranbrook Community Centre Committee in submitting the L.E.A.F grant application for the Cranbrook Community Centre Revival Project.

Carried

## 15. By-laws

Moved by Deputy Mayor McLellan and Seconded by Councillor Diehl:

That Be it Hereby Resolved By-law 062-2021, A By-law for the Geiger Municipal Drain be given final readings and signed by the Mayor and Clerk, and the Seal of the Corporation be affixed thereto.

Carried

Moved by Councillor Morrison and Seconded by Councillor Wilbee:

That Be it Hereby Resolved By-law 074-2023, A By-law to Temporarily Close Roads in Brussels and Seaforth for the Santa Claus Parades be given first, second, third and final readings and signed by the Mayor and Clerk, and the Seal of the Corporation be affixed thereto.

Carried

## 16. Closed Session and Reporting Out

Moved by Councillor Chartrand and Seconded by Councillor Dalton:

That a closed meeting of Council be held on Tuesday, October 17, 2023 at 8:57 p.m., in Town Hall Council Chambers, in accordance with Section 239 of the Municipal Act, 2001 for the purpose of considering the following matters:

**16.1** Adoption of October 3, 2023 Closed Session of Council Meeting Minutes

**16.2** 239(2)(e)(j) - litigation or potential litigation regarding a trade secret or scientific, technical, commercial or financial information that belongs to the municipality and has monetary or potential monetary value.

And that CAO Brad McRoberts, Director of Finance/Treasurer Stacy Grenier, Director of Public Works Barry Mills and Clerk Jessica Rudy remain in closed session.

Carried

Moved by Councillor Fisher and Seconded by Councillor Dalton:

That Council of the Municipality of Huron East resumes the regular Council meeting at 9:17 p.m.

Carried

Mayor MacLellan reported out from the Closed Session that Council discussed a matter that has potential litigation regarding a trade secret or scientific, technical, commercial or financial information that belongs to the municipality and has monetary or potential monetary value.

## **17. Confirmatory By-law**

Moved by Councillor Wilbee and Seconded by Councillor Chartrand:

That Be It Hereby Resolved that By-law 075-2023, a By-law to Confirm the Proceedings of Council, be given first, second, third and final reading and signed by the Mayor and Clerk, and the Seal of the Corporation be affixed thereto.

Carried

## **18. Adjournment**


Moved by Councillor Diehl and Seconded by Deputy Mayor McLellan:

The time now being 9:18 p.m. That the regular meeting adjourn until November 7, 2023 at 6:00 p.m.

Carried

# Consent C101-2021

Concession 2, Part Lots 8 & 9, Tuckersmith Ward, Municipality of Huron East  
 Address: 1 Doig Drive  
 Owner/ applicant: Seaforth Golf Course (1996) Ltd./ Baker Planning Group (c/o Caroline Baker)



1

# Subject Lands



2


## Application Details

Consent C101-2021

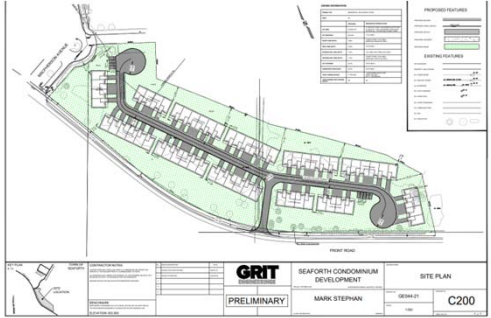
- Deferred by County Council in February 2022.
- Corresponding Official Plan Amendment and Zoning Amendment applications now approved with no appeals
- Purpose to separate development lands from golf course lands
- Severed parcel: 7.4 acres (3 ha) of vacant land
- Retained: 91.9 acres (37.2 ha) of recreational land

3

- Severed: Zoned R3-4, designated Urban-primary settlement area
- Retained: Zoned RC1 (Golf Course) & Natural Environment, designated Recreation and Natural Environment



4



**GRIT** SEAFORTH CONDOMINIUM DEVELOPMENT SITE PLAN  
 PRELIMINARY MARK STEPHAN C200

5

## Policy Review

Huron East Official Plan

- Primary Settlement Area policies
  - Traffic impact study and functional servicing report completed

Huron East Zoning By-Law

6

### Comments Received

- No concerns from Huron East Staff or other agencies
  - Further discussions regarding specifics of external servicing
- Neighbours
  - Bridges Residents
    - Traffic volumes/ congestion
    - Density
    - Speeding
  - Neighbouring farmer
    - Future compatibility concerns
    - Conflict with residents and farm practices

7

Facing East

Facing west from maintenance access

8

9

### Recommendation

- It is recommended that Consent C101-2021 be recommended for approval and forwarded to Huron County Council for decision

10

### Conditions

**Recommended Conditions:**

**Expiry Period**

1. Conditions imposed must be met within two years of the date of notice of decision, as required by Section 53(41) of the Planning Act, RSO 1990, as amended. If conditions are not fulfilled as prescribed within two years, the application shall be deemed to be refused. Provided the conditions are fulfilled within two years, the application is valid for three years from the date of notice of decision.

**Municipal Requirements**

1. All municipal requirements, financial or otherwise, be met to the satisfaction of the Municipality (for example: servicing connections, cash-in-lieu of park dedication, property maintenance, compliance with zoning by-law provisions for structures).
2. The sum of \$750 be paid to the Municipality as cash-in-lieu of parkland.
3. The subject parcel be numbered and addressed for 911 purposes to the satisfaction of the municipality.
4. The applicant shall enter into a Development Agreement with the Municipality of Huron East which shall list all requirements, including financial or otherwise, for the extension of municipal services to the subject lands, to the satisfaction of the Municipality of Huron East.
5. The applicant shall enter into a development agreement with the Municipality of Huron East which shall outline the requirement for trees to be removed to maintain sightline distances as outlined in the submitted traffic impact study, to the satisfaction of the Municipality of Huron East.

**Survey/Reference Plan**

6. Provide to the satisfaction of the County and the Municipality:
  - a) a survey showing the lot lines of the severed parcel, easement, and the location of any buildings thereon, and
  - b) a reference plan based on an approved survey.

**Zoning**

7. Where a violation of any municipal zoning by-law is evident, the appropriate minor variance or rezoning be obtained to the satisfaction of the Municipality.

**Drainage**

8. Section 65 of the Drainage Act be addressed to the satisfaction of the Municipality.


11



**Consent C62-2023**

Concession 3 Huron Road Survey, West Part Lot 4, McKillop Ward,  
Municipality of Huron East (43313 Front Road.)

Owner/ Applicant: Glen and Deb Haney



12



13

**Purpose**

New lot created under the surplus farm residence severance policies.

Severed land: approx. 1.7 acres (0.68 ha) consisting of a house and shed.

Retained land: approx. 46.3 acres (18.73 ha) consisting of vacant farmland

14

**Review**

- Zoned AG1 and NE2 in Huron East Zoning By-Law
- Designated Agriculture and Natural Environment in Huron East Official Plan
- Huron East Official Plan Surplus Farm Residence Consent Policies

15



16

**Comments Received**

- No concerns from staff or other agencies

17

**Recommendation**

- Application is consistent with the PPS, conforms to the Huron County Official Plan and Huron East Official Plan and complies with the Huron East Zoning By-Law.
- Application C62-2023 is recommended for approval with the attached conditions

**Conditions**

**Conditions:**

1. Conditions imposed must be met within two years of the date of decision, as required by Section 53(41) of the Planning Act, RSO 1990, as amended. If conditions are not fulfilled as prescribed within two years, the application shall be deemed to be refused. Provided the conditions are fulfilled within two years, the application is valid for three years from the date of notice of decision.

**Municipal Requirements**

2. All municipal requirements, financial or otherwise, be met to the satisfaction of the Municipality (for example: servicing connections, cash-in-lieu of park dedication, property maintenance, compliance with zoning by-law provisions for structures).
3. The sum of \$750 be paid to the Municipality as cash-in-lieu of parkland.
4. The subject parcel be numbered and addressed for 911 purposes to the satisfaction of the Municipality.

**Survey/Reference Plan**

5. Provide to the satisfaction of the County and the Municipality:
  - a) a survey showing the lot lines of the severed parcel, and the location of any buildings thereon, and
  - b) a reference pin based on an approved survey.

**Zoning**

6. Where a violation of any municipal zoning by-law is evident, the appropriate minor variance or rezoning be obtained to the satisfaction of the Municipality.

**Drainage**

7. Section 65 of the Drainage Act be addressed to the satisfaction of the Municipality.

**Septic System**

8. The Applicant to provide a letter from a licensed contractor advising that the septic tank on the severed parcel has been pumped and is functioning properly to the satisfaction of the Municipality.

**Notes:**

The applicant is hereby advised that the severed parcel will automatically be rezoned to recognize the residential parcel (eg. AR-3) and the retained farmland will be automatically rezoned to prohibit a new residence (eg. AG2) in the Huron East Zoning By-law.



October 24, 2023

The Honourable Todd A. Smith,  
Minister of Energy, Ontario  
Send electronically via email  
[MinisterEnergy@ontario.ca](mailto:MinisterEnergy@ontario.ca)

**Re: Leave to Construct Threshold**

Dear Minister Smith,

On October 13, 2023, the WOWC passed a resolution in favour of the Government of Ontario updating the LTC cost threshold from \$2M to \$20M for hydrocarbon lines (by amending Ontario Regulation O.Reg.328/03) while maintaining current requirements and expectations for Indigenous consultation and environmental review for projects greater than \$2M and less than \$10M.

Western Ontario has seen significant growth in the past decade with pressures to build out the gas pipeline network. Many municipalities in our region have lost major investment opportunities because of the delays in getting natural gas to development sites. Any person or company planning to construct hydrocarbon transmission facilities within Ontario, must apply to the OEB for authorization, if the projected cost to build the pipeline is over \$2 million, a threshold that was set in 1998.

Industry proposes updating the LTC cost threshold from \$2M to \$10M for hydrocarbon lines (by amending Ontario Regulation O.Reg.328/03) while maintaining current requirements and expectations for Indigenous consultation and environmental review for projects greater than \$2M and less than \$10M. Increasing the cost threshold to \$10M would closer align Ontario with other Canadian jurisdictions (e.g., in B.C., these thresholds are \$15M for electricity and \$20M for natural gas). The WOWC is recommending a \$20M threshold for our Province to be competitive with other Canadian jurisdictions.

Ontario's outdated regulations are causing the LTC to apply far more broadly than intended when it was established over 20 years ago. Due to increased regulatory and cost pressures, as well as inflation, virtually all gas pipeline projects are now greater than \$2M rendering the threshold meaningless. Roughly 0.5 KM pipe in urban settings now often exceed the \$2M threshold.

Examples of businesses lost in the region due to the regulation include;

- EV Battery Manufacturer, investment of \$1 Billion
- New Distillery
- 2 New Agricultural processing plants - \$140 million total investment
- New Agricultural plant - \$225 million USD investment

Modernizing these outdated regulations would reduce delays and costs for economic development initiatives including new industries seeking to locate in Ontario and create jobs (or existing seeking to expand), transit projects, community expansion projects, housing developments, connections for low carbon fuel blending (e.g. renewable natural gas, hydrogen) as well as residential and business customer connections.

The WOWC supports an increase in the Leave to Construct threshold to \$20M.

Sincerely,

A handwritten signature in black ink that reads "Glen McNeil". The signature is written in a cursive style with a small "c" above the "n" in "McNeil".

Glen McNeil  
Chair, Western Ontario Wardens' Caucus

cc.

Western Ontario MPPs  
WOWC Members  
WOWC Local Municipalities



October 24, 2023

Premier R. Ford  
Premier of Ontario  
[premier@ontario.ca](mailto:premier@ontario.ca)

and

The Honourable Paul Calandra  
Minister of Municipal Affairs and Housing  
Send electronically via email  
[minister.mah@ontario.ca](mailto:minister.mah@ontario.ca)

**Re: Strong Mayor Powers**

Dear Premier Ford and Minister Calandra

Please be advised at the regular meeting of the Western Ontario Wardens' Caucus held on October 13, 2023, the following resolution was passed:

**Moved by M. Ryan, seconded by B. Milne:**

THAT item of correspondence 7-1(b) be received; and

WHEREAS the Western Ontario Wardens Caucus Inc. (WOWC) is a not-for-profit organization representing 15 upper and single tier municipalities in Southwestern Ontario with more than one and a half million residents;

AND WHEREAS the purpose of WOWC is to enhance the prosperity and overall wellbeing of rural and small urban communities across the region;

AND WHEREAS the Strong Mayors, Building Homes Act, 2022, S.O. 2022, c. 18, for select municipalities, transfers legislative responsibility from the deliberative body of the Council to the Head of Council;

AND WHEREAS the Better Municipal Governance Act, 2022, S.O. 2022, c. 24 provides for provincially appointed facilitators to assess the regional governments to determine the mix of roles and responsibilities between the upper and lower-tier municipalities;

AND WHEREAS the Building Faster Fund arbitrarily ties housing supportive funding to municipalities that establish a housing target based solely on population size;

AND WHEREAS "responsible and accountable governments with respect to matters within their jurisdiction;

AND WHEREAS overcoming the housing and affordability crisis in Ontario requires sustained, strategic, and focused efforts from all levels of government, informed from the expertise of all levels of government.

NOW THEREFORE BE IT RESOLVED THAT WOWC calls on the provincial government to work with municipalities in Ontario, as a responsible and accountable level of government, to focus all efforts on tackling the housing and affordability crisis in Ontario by:

Revoking existing 'strong mayor powers' and not implementing legislation that transfers legislative responsibility from the body of Council to the Head of Council.

Respecting spheres of jurisdiction, recognizing that municipalities are best positioned to determine the mix of roles and responsibilities between upper and lower-tier municipalities and only conduct structural and service delivery reviews of municipalities or regions where a majority of municipalities included within the region, request the same.

Recognizing rural and small urban municipalities are critical to overcoming the housing and affordability crisis in Ontario and not allocating the majority of scarce provincial housing supportive funding to a limited subset of large urban municipalities in Ontario.

AND THAT WOWC calls upon the provincial government to provide all municipalities with the financial resources to tackle the housing and affordability crisis in Ontario that is pricing too many people, especially young families and newcomers, out of home ownership, while amplifying socio-economic disparities and reliance on municipally provided human services;

AND THAT this resolution be forwarded to the Association of Municipalities of Ontario for support so that the future governance of our communities is in the hands of its constituents;

AND THAT this resolution be forwarded to: the Minister of Municipal Affairs and Housing and the Premier of Ontario; WOWC Members; the EOWC, and all WOWC area MPs and MPPs. - **CARRIED**

Please contact Kate Burns Gallagher, Executive Director, Western Ontario Warden' Caucus, [kate@wowc.ca](mailto:kate@wowc.ca) should you have any questions regarding this matter.

Sincerely,



Glen McNeil  
Chair, Western Ontario Wardens' Caucus



cc.

Hon. Rob Flack, Associate Minister of Housing

[Rob.Flack@pc.ola.org](mailto:Rob.Flack@pc.ola.org)

Matthew Rae, Parliamentary Assistant to the Minister of Municipal Affairs and Housing

[Matthew.Rae@pc.ola.org](mailto:Matthew.Rae@pc.ola.org)

WOWC MPPs

WOWC MPs

Eastern Ontario Wardens' Caucus


PO Box 488  
201 Atwood Avenue  
Rainy River, ON  
P0W 1L0

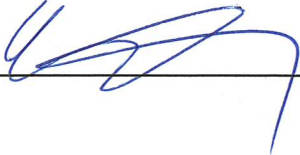


Office Phone: (807) 852-3244  
Clerk Phone: (807) 852-3978  
Fax: (807) 852-3553  
Email: rainyriver@tbaytel.net  
Website: www.rainyriver.ca

# Town of Rainy River

## RESOLUTION

MOVED BY  DATE: October 10, 2023

SECONDED BY  RESOLUTION: 23-020

“**WHEREAS** the Corporation of the Town of Rainy River is a small community in Northwestern Ontario with limited financial resources;

**AND WHEREAS** the Town of Rainy River owns and operates the water treatment facilities, water distribution facilities, wastewater treatment facilities and wastewater collection facilities which service the residents of the Town of Rainy River;

**AND WHEREAS** the Town of Rainy River requires Class II Water Treatment Operators for its facilities;

**AND WHEREAS** the Corporation of the Town of Rainy River attempts to provide training as prescribed by the Province of Ontario to obtain the necessary classification(s);

**AND WHEREAS** the Town of Rainy River has been fortunate in obtaining a full staff compliment eager to take on the responsibilities of water treatment and distribution and wastewater collection and treatment operations;

**AND WHEREAS** any new employees of the Town of Rainy River require certification;

**AND WHEREAS** training is becoming increasingly difficult to procure;

**AND WHEREAS** the Province of Ontario has implemented stringent review of water treatment plants to ensure compliance;



AND WHEREAS the Province of Ontario is promoting and providing an increased number of training opportunities for a variety of trades;

BE IT HEREBY RESOLVED that the Corporation of the Town of Rainy River petitions the Province of Ontario to expand water treatment training opportunities for communities within Ontario;

AND FURTHER the training be delivered in a method that is flexible and affordable;

AND FURTHER utilize existing networks, such as Contact North, for on-line exam preparation and exam supervision;

AND FURTHER the Council of the Corporation of the Town of Rainy River forward copies of this resolution to Premier Doug Ford, Minister of Environment, Conservation and Parks Andrea Khanjin, MPP Greg Rickford, Walkerton Clean Water Centre, Ontario Municipalities.”

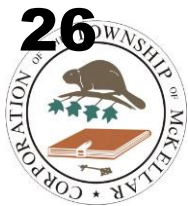
ABSTAIN \_\_\_\_\_  
AYES \_\_\_\_\_  
NAYES \_\_\_\_\_

D. ARMSTRONG \_\_\_\_\_  
D. EWALD \_\_\_\_\_  
J. HAGARTY \_\_\_\_\_  
B. HELGESON \_\_\_\_\_  
N. IVALL \_\_\_\_\_  
M. KREGER \_\_\_\_\_  
G. PROST \_\_\_\_\_

CARRIED \_\_\_\_\_ ✓  
DEFEATED \_\_\_\_\_

  
\_\_\_\_\_  
MAYOR OR ACTING MAYOR





## Township of McKellar

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701 Hwy #124, P.O. Box 69, McKellar, Ontario POG 1C0  
Phone: (705) 389-2842  
Fax: (705) 389-1244

October 19, 2023

Hon. Doug Downey  
Attorney General  
McMurtry-Scott Bldg 11th Flr, 720 Bay St.  
Toronto, ON M7A 2S9

Sent via email: [Doug.Downey@ontario.ca](mailto:Doug.Downey@ontario.ca)

**RE: Call for an Amendment to the *Legislation Act, 2006***

Dear Mr. Downey,

At the Regular Meeting of Council held on October 17, 2023, the Council of the Corporation of the Township of McKellar carried the following resolution:

**Resolution No. 23-671**

Moved by: Councillor Kekkonen

Seconded by: Councillor Zulak

**WHEREAS** Metroland Media Group has sought bankruptcy protection and will cease the print publication of its weekly community newspapers across Ontario, moving to an online-only model; and

**WHEREAS** Neil Oliver, Chief Executive Officer and President of Metroland Media Group, said the 71 Metroland community publications will be digital only going forward; and

**WHEREAS** the *Legislation Act, 2006* provides a definition of “newspaper” which applies to every Ontario Act and Regulation, as in a provision requiring publication, means a document that, (a) **is printed in sheet form**, published at regular intervals of a week or less and circulated to the general public, and (b) consists primarily of news of current events of general interest; (“journal”); and

**WHEREAS** Ontario Municipalities are required to follow publication and notice requirements for Provincial Acts and Regulations; and

**WHEREAS** communities such as the West Parry Sound Area cannot comply with publication requirements in Provincial Acts and Regulations as the Parry Sound North Star news publication is no longer being printed in sheet form and there are no other local news publications fitting the definition of “newspaper”; and

**WHEREAS** some small, rural, Ontario Municipalities may not have the means to bring an application to the Court to ask for directions and approval of an alternate manner of providing notice;

**NOW THEREFORE BE IT RESOLVED THAT** the Council of the Corporation of the Township of McKellar does hereby request the Provincial government to make an amendment to the *Legislation Act, 2006* to include digital publications as an acceptable means of publication and notice requirements for Provincial Acts and Regulations; and

**FURTHER** request the support of all Ontario Municipalities; and

**FURTHER THAT** this resolution be forwarded to the Minister of Municipal Affairs and Housing, Paul Calandra; Parry Sound-Muskoka MPP, Graydon Smith; The Association of Ontario Municipalities (AMO); CEO and President of Metroland Media Group, Neil Oliver and all Ontario Municipalities.

**Carried**

Regards,



Karlee Britton  
Deputy Clerk  
Township of McKellar  
[deputyclerk@mckellar.ca](mailto:deputyclerk@mckellar.ca)  
(705) 389-2842 x5

cc:

Paul Calandra, Minister of Municipal Affairs and Housing  
Graydon Smith, MPP Parry Sound-Muskoka  
The Association of Ontario Municipalities (AMO)  
Neil Oliver, CEO & President, Metroland Media Group  
All Ontario Municipalities

## Enbridge Gas Inc. has applied to increase its natural gas distribution rates

Enbridge Gas Inc. has applied to increase its natural gas rates effective April 1, 2024, to recover costs associated with meeting its obligations under the *Greenhouse Gas Pollution Pricing Act* and the regulations under the *Ontario Emissions Performance Standards*, as well as to recover other related account balances.

If the application is approved as filed, a typical residential customer of Enbridge Gas Inc. would see the following annual increase:

<b>EGD Rate Zone (2,400 m<sup>3</sup>)</b>	<b>\$69.91</b>
<b>Union South Rate Zone (2,200 m<sup>3</sup>)</b>	<b>\$63.72</b>
<b>Union North Rate Zone (2,200 m<sup>3</sup>)</b>	<b>\$63.97</b>

For a typical residential customer, these increases include an annual bill increase arising from the 2024 carbon charges of \$68.79 (EGD) and \$62.91 (Union South and Union North); plus, a one-time charge of \$1.12 (EGD), \$0.81 (Union South) and \$1.06 (Union North) to recover the balances in the related deferral and variance accounts.

Other customers, including businesses, will also be affected. It's important to review the application carefully to determine whether you may be affected by the proposed changes.

The federal government's *Greenhouse Gas Pollution Pricing Act* establishes a carbon pricing program under which a natural gas utility in Ontario, such as Enbridge Gas Inc., is required to pay a carbon charge to the federal government on the volume of natural gas that it delivers to its customers, and on the volume of natural gas used in the operation of Enbridge Gas Inc.'s natural gas distribution system. The federal carbon charge came into effect on April 1, 2019, has increased annually on April 1st between 2020 and 2023 and will increase again on April 1, 2024.

The *Ontario Emissions Performance Standards* program is the Ontario government's carbon pricing system for industrial emitters that came into effect on January 1, 2022, and replaced the federal government's Output-Based Pricing System in Ontario.

This hearing will be held under section 78 of the **Ontario Energy Board Act, 1998**.

Ce document est aussi disponible en français.

### YOU SHOULD KNOW

There are three types of OEB hearings: oral, electronic and written. The applicant has applied for, and the OEB intends to proceed with, a written hearing. If you think a different hearing type is needed, you can write to us to explain why.

During this hearing, we will hear questions and arguments from participants about this case. We will also hear questions and arguments from participants that have registered as Intervenors. After the hearing, we will decide whether to approve the application.

### HAVE YOUR SAY

You have the right to information about this application and to participate in the process. Visit [www.oeb.ca/notice](http://www.oeb.ca/notice) and use file number **EB-2023-0196** to:

- Review the application
- File a letter with your comments
- Apply to become an intervenor

### IMPORTANT DATES

You must engage with the OEB on or before **November 7, 2023** to:

- Provide input on the hearing type (oral, electronic or written)
- Apply to be an intervenor

If you do not, the hearing will move forward without you, and you will not receive any further notice of the proceeding.

### PRIVACY

If you write a letter of comment, your name and the content of your letter will be put on the public record and the OEB website. If you are a business or if you apply to become an intervenor, all the information you file will be on the OEB website.

### LEARN MORE

#### Ontario Energy Board

☎/TTY: 1 877-632-2727

🕒 Monday - Friday: 8:30 AM - 5:00 PM

🌐 [oeb.ca/notice](http://oeb.ca/notice)

#### Enbridge Gas Inc.

☎ 1 877-362-7434

🕒 Monday - Friday: 8:30 AM - 5:00 PM

🌐 <https://www.enbridgegas.com/en/about-enbridge-gas/regulatory>



Anton Kacicnik  
Manager  
Regulatory Applications  
Regulatory Affairs

Tel: 416-495-6087  
Email: [Anton.Kacicnik@enbridge.com](mailto:Anton.Kacicnik@enbridge.com)  
[EGIRegulatoryProceedings@enbridge.com](mailto:EGIRegulatoryProceedings@enbridge.com)

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

September 28, 2023

**VIA RESS AND EMAIL**

Nancy Marconi  
Registrar  
Ontario Energy Board  
2300 Yonge Street, 27<sup>th</sup> Floor  
Toronto, ON M4P 1E4

Dear Nancy Marconi:

**Re: Enbridge Gas Inc. (Enbridge Gas)  
Ontario Energy Board (OEB) File No.: EB-2023-0196  
2024 Federal Carbon Pricing Program Application  
Application and Evidence**

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Enclosed is the application and pre-filed evidence of Enbridge Gas for its 2024 Federal Carbon Pricing Program (the Application).

Enbridge Gas is seeking OEB approval of just and reasonable rates effective April 1, 2024, for the EGD and Union rate zones, to recover the costs associated with the GGPPA and EPS Regulation as a pass-through to customers. Enbridge Gas is also seeking OEB approval to dispose of the 2022 balances recorded in its FCPP-related deferral and variance accounts, excluding the Customer Carbon Charge – Variance Accounts (CCCVAs), effective April 1, 2024.

Subject to the OEB's decision, Enbridge Gas intends to reflect 2024 increases to rates for the Federal Carbon Charge and Facility Carbon Charge, and the one-time billing adjustment related to the disposition of 2022 FCPP-related deferral and variance account balances as early as the April 1, 2024 Quarterly Rate Adjustment Mechanism (QRAM) application.

Enbridge Gas requests that the OEB issue orders granting the approvals requested on a final basis by February 8, 2024. Should the OEB determine that it is not possible to review and grant the approvals requested by such date, Enbridge Gas requests that the OEB grant approval of just and reasonable rates effective April 1, 2024 on an interim basis by February 8, 2024. Given the significance of Enbridge Gas's obligations under the GGPPA and EPS Regulation and considering the magnitude of the associated rate increases, it is appropriate to avoid continued accumulation of unbilled and uncollected

September 28, 2023

page 2

amounts from customers that could result in a larger impact on bills when such amounts are recovered in the future.

If you have any questions, please contact the undersigned.

Sincerely,

*(Original Signed)*

Anton Kacicnik  
Manager Regulatory Applications

EXHIBIT LIST

A – ADMINISTRATION

<u>Exhibit</u>	<u>Tab</u>	<u>Schedule</u>	<u>Contents</u>
A	1	1	Exhibit List
		2	Application
		3	Glossary of Acronyms and Defined Terms
	2	1	Overview
		2	Federal Carbon Charge Impact On Customer Consumption

B- FORECASTS

<u>Exhibit</u>	<u>Tab</u>	<u>Schedule</u>	<u>Contents</u>
B	1	1	Forecasts – Overview
			Appendix A – Enbridge Gas Estimated EPS Compliance Obligation
	2	1	Forecasts - EGD Rate Zone
		2	EGD Rate Zone – 2024 Customer Related Volume Forecast by Rate Class (April 2024 to March 2025)
		3	EGD Rate Zone – 2024 Facility Related Volume Forecast
		4	EGD Rate Zone – 2024 Forecast Compressor Emissions
5	EGD Rate Zone - 2024 Forecast EPS Obligation		
6	EGD Rate Zone – 2024 Summary of Customer-Related and Facility-Related Costs		

EXHIBIT LIST

B- FORECASTS

<u>Exhibit</u>	<u>Tab</u>	<u>Schedule</u>	<u>Contents</u>
	3	1	Forecasts - Union Rate Zones
		2	Union Rate Zones – 2024 Customer-Related Volume Forecast by Rate Class (April 2024 to March 2025)
		3	Union Rate Zones - 2024 Facility-Related Volume Forecast
		4	Union Rate Zones – 2024 Forecast Compressor Emissions
		5	Union Rate Zones – 2024 Forecast EPS Obligation
		6	Union Rate Zones – 2024 Summary of Customer-Related and Facility-Related Costs

C – DEFERRAL AND VARIANCE ACCOUNTS

<u>Exhibit</u>	<u>Tab</u>	<u>Schedule</u>	<u>Contents</u>
C	1	1	Deferral and Variance Accounts

D - COST RECOVERY

<u>Exhibit</u>	<u>Tab</u>	<u>Schedule</u>	<u>Contents</u>
D	1	1	Cost Recovery
	2	1	EGD Rate Zone – Derivation of Federal Carbon Charge and Facility Carbon Charge Unit Rates
		2	EGD Rate Zone - Bill Impacts
		3	EGD Rate Zone – FCPP-Related Deferral and Variance Accounts Balances and Allocation



EXHIBIT LIST

D - COST RECOVERY

<u>Exhibit</u>	<u>Tab</u>	<u>Schedule</u>	<u>Contents</u>
D	2	4	EGD Rate Zone – FCPP-Related Deferral and Variance Account Clearance Unit Rates
		5	EGD Rate Zone – FCPP-Related Deferral and Variance Account Clearance Bill Impacts
	3	1	Union Rate Zones – Derivation of Federal Carbon Charge and Facility Carbon Charge Unit Rates
		2	Union Rate Zones – Bill Impacts
		3	Union Rate Zones – FCPP-Related Deferral and Variance Account Balances and Allocations
		4	Union Rate Zones – FCPP-Related Deferral and Variance Account Clearance Unit Rates and Ex-Franchise Amounts
		5	Union Rate Zones – FCPP - Related Deferral and Variance Account Clearance Bill Impacts

## ONTARIO ENERGY BOARD

**IN THE MATTER OF** the *Ontario Energy Board Act*, 1998, S.O. 1998, c. 15, Sch. B;

**AND IN THE MATTER OF** an application by Enbridge Gas Inc., for an order or orders for gas distribution rate changes related to compliance obligations under the *Greenhouse Gas Pollution Pricing Act*, S.C. 2018, c. 12, s. 186.

### APPLICATION

1. Enbridge Gas Inc. (Enbridge Gas), the Applicant, was formed by the amalgamation of Enbridge Gas Distribution Inc. and Union Gas Limited on January 1, 2019 pursuant to the *Ontario Business Corporations Act*, R.S.O. 1990, c. B. 16. Enbridge Gas carries on the business of distributing, transmitting and storing natural gas within Ontario.
2. On June 21, 2018, the *Budget Implementation Act, 2018, No. 1* received Royal Assent. Included in Part V is the *Greenhouse Gas Pollution Pricing Act*, S.C. 2018, c. 12, s. 186 (GGPPA). Under the GGPPA, a federal carbon pricing program (FCPP) applies in whole or in part to any province or territory that requested it or that did not have an equivalent carbon pricing system in place by January 1, 2019. On October 23, 2018, the federal government confirmed that the GGPPA would apply to Ontario.
3. Provinces or territories can submit their own carbon pricing systems to the federal government for approval, and if approved, are not subject to Part 1 and/or Part 2 of the GGPPA.
4. On March 29, 2021, the federal government announced that effective January 1, 2022, Ontario's carbon pricing system for industrial emitters, known as the Ontario Emissions Performance Standards program (EPS), will replace the federal Output-Based Pricing System (OBPS) in Ontario. The GGPPA was amended on September 1, 2021, to

remove Ontario from Part 2 of Schedule 1 of the GGPPA, enabling the EPS to take effect in Ontario as of January 1, 2022.

5. In Ontario, the FCPP is composed of two elements: (i) a charge on fossil fuels (the Federal Carbon Charge) imposed on distributors, importers and producers effective April 1, 2019, and increasing each year on April 1; and (ii) an EPS for prescribed industrial facilities effective January 1, 2022.
6. Enbridge Gas's operations as a natural gas utility in Ontario fall under the purview of the GGPPA and EPS Regulation, which will result in the following costs being incurred that are tracked through OEB-approved deferral and variance accounts:
  - a. Incremental bad debt costs;<sup>1</sup>
  - b. Customer-related Federal Carbon Charge costs for volumes delivered by Enbridge Gas to its residential, commercial and industrial customers who are not covered under the EPS; and
  - c. Facility-related costs (Facility Carbon Charge) arising from Enbridge Gas's facilities and operation of its gas distribution system.
7. Enbridge Gas hereby applies to the OEB, pursuant to the *Ontario Energy Board Act, 1998*, S.O. 1998, c.15, Schedule B (the Act), for:
  - a. an order or orders allowing it to charge customers a Federal Carbon Charge on a volumetric basis, in the amount of the Federal Carbon Charge required to be paid by Enbridge Gas pursuant to the GGPPA, effective April 1, 2024;
  - b. an order or orders approving or fixing just and reasonable rates for all Enbridge Gas rate zones (EGD, Union Northeast, Union Northwest and Union South),<sup>2</sup> effective April 1, 2024, to allow Enbridge Gas to recover

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<sup>1</sup> Refer to Exhibit C, Tab 1, Schedule 1 for more information on the incremental bad debt costs.

<sup>2</sup> Collectively, the Union Northeast, Union Northwest and Union South rate zones are referred to as the "Union rate zones".

other costs (including Facility Carbon Charge costs) incurred in compliance with the GGPPA and EPS Regulation;

- c. an order or orders approving the 2022 balances for the FCPP-related deferral and variance accounts for all Enbridge Gas rate zones, as set out in Exhibit C and for an order to dispose of those balances, excluding the Customer Carbon Charge – Variance Accounts (CCCVAs), as early as the April 1, 2024 QRAM.<sup>3</sup>
8. Enbridge Gas further applies to the OEB for all necessary orders and directions concerning pre-hearing and hearing procedures for the determination of this application.
9. This application is supported by written evidence that has been filed with this application and may be amended from time to time as circumstances may require.
10. The persons affected by this application are the customers resident or located in the municipalities, police villages, Indigenous communities and Métis organizations served by Enbridge Gas, together with those to whom Enbridge Gas sells gas, or on whose behalf Enbridge Gas distributes, transmits or stores gas. It is impractical to set out in this application the names and addresses of such persons because they are too numerous.
11. Enbridge Gas requests that the OEB's review of this application proceed by way of written hearing in English.
12. Enbridge Gas requests that all documents relating to this application and its supporting evidence, including the responsive comments of any interested party, be served on Enbridge Gas and its counsel as follows:

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<sup>3</sup> Refer to Exhibit C, Tab 1, Schedule 1 for more information on the proposal to defer disposition of the CCCVAs.

The Applicant:

Attention: Anton Kacicnik  
Manager Regulatory Applications  
Regulatory Affairs

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

Telephone: (416) 495-6087  
Email: [anton.kacicnik@enbridge.com](mailto:anton.kacicnik@enbridge.com)  
[EGIRegulatoryProceedings@enbridge.com](mailto:EGIRegulatoryProceedings@enbridge.com)

The Applicant's Counsel:

Attention: Tania Persad  
Associate General Counsel, Regulatory Law

Address: Enbridge Gas Inc.  
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North York, Ontario  
M2J 1P8

Telephone: (416) 495-5891  
Fax: (416) 495-5994  
Email: [tania.persad@enbridge.com](mailto:tania.persad@enbridge.com)

-and-

Attention: Guri Pannu  
Senior Legal Counsel

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

Telephone: (416) 758-4761  
Fax: (416) 495-5994  
Email: [guri.pannu@enbridge.com](mailto:guri.pannu@enbridge.com)

Dated: September 28, 2023

**Enbridge Gas Inc.**

*(Original Signed)*

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Anton Kacicnik  
Manager Regulatory Applications  
Regulatory Affairs

## GLOSSARY OF ACRONYMS AND DEFINED TERMS

This glossary is intended to serve as a reference for the benefit of readers in their overall understanding of the terminology used in Enbridge Gas's Application. More detailed definitions may apply to specific terms when used in the context of this Application.

**2019 Application** – Enbridge Gas's 2019 Federal Carbon Pricing Program Application and pre-filed evidence (EB-2018-0205).

**2020 Application** – Enbridge Gas's 2020 Federal Carbon Pricing Program Application and pre-filed evidence (EB-2019-0247).

**2021 Application** – Enbridge Gas's 2021 Federal Carbon Pricing Program Application and pre-filed evidence (EB-2020-0212).

**2022 Application** – Enbridge Gas's 2022 Federal Carbon Pricing Program Application and pre-filed evidence (EB-2021-0209).

**2023 Application** – Enbridge Gas's 2023 Federal Carbon Pricing Program Application and pre-filed evidence (EB-2022-0194).

**BEI** – Baseline Emissions Intensity

**CCBDDA** – Carbon Charges Bad Debt Deferral Account

**CCCVA** – Customer Carbon Charge - Variance Account

**CO<sub>2</sub>** – Carbon dioxide.

**CO<sub>2e</sub>** – Carbon dioxide equivalent.

**Company Use** – Volumes of natural gas consumed in the operation of Enbridge Gas’s facilities including distribution buildings, boilers/line heaters, and NGV fleet volumes (which are subject to the Federal Carbon Charge under Part 1 of the GGPPA).

**Covered Facility** – An entity registered under the EPS and therefore exempt from the Federal Carbon Charge for volumes of fuel delivered by Enbridge Gas. Covered Facilities are classified as mandatory or voluntary based on annual emissions. Covered Facilities are not exempt from Enbridge Gas’s Facility Carbon Charges or administration-related costs.

**CRA** – Canada Revenue Agency.

**Customer Volumes** – Distribution volumes delivered by Enbridge Gas in Ontario, except for volumes delivered to customers that hold an Exemption Certificate.

**Customer-Related Obligations** – The obligations under the GGPPA related to GHG emissions associated with the natural gas delivered by Enbridge Gas, other than to Covered Facilities.

**DCQ** – Daily Contract Quantity.

**Distributor** – An entity that imports or delivers marketable and non-marketable natural gas, and/or that measures consumption of marketable natural gas and is required to register as a Distributor under the GGPPA.<sup>1</sup>

**DSM** – Demand Side Management.

**ECCC** – Environment and Climate Change Canada.

**EITE** – Energy Intensive and Trade Exposed.

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<sup>1</sup> The GGPPA, s.55. <https://laws-lois.justice.gc.ca/PDF/G-11.55.pdf>



**EPS** – Ontario Emissions Performance Standards program; effective January 1, 2022, the EPS replaced the OBPS for Covered Facilities. These facilities will have a compliance obligation based on the portion of its emissions that exceed the annual emissions limit.

**EPS Regulation** – The *Greenhouse Gas Emissions Performance Standards* made effective July 4, 2019 under the *Environmental Protection Act*, R.S.O. 1990, c. E. 19, as they may be amended from time to time.<sup>2</sup>

**EPS Volumes** – Volumes of natural gas consumed in the operation of Enbridge Gas’s transmission and storage compressor facilities (which are subject to the EPS as Enbridge Gas’s transmission and storage system is a “covered facility” under the EPS Regulation effective January 1, 2022).

**EPUs** – Emissions Performance Units issued by the provincial government, under the EPS, to facilities that achieve annual emissions volumes below their annual PS. Each EPU represents one tonne of CO<sub>2e</sub>, can be banked for future use against emissions or traded, has a useful life of five years from the period following the year for which the credit was issued, and will be tracked using a centralized system.

**Exemption Certificate** – A certificate issued by the CRA to eligible entities, exempting the entity from the application of the Federal Carbon Charge.<sup>3</sup>

**Facility Carbon Charge** – The common volumetric charge proposed by Enbridge Gas, for the EGD rate zone and Union rate zones, to recover the costs resulting from the GGPPA and EPS Regulation related to Enbridge Gas’s: (i) Company Use Volumes including distribution buildings, boiler/line heaters and NGV fleet volumes (which are subject to the Federal Carbon Charge under Part 1 of the GGPPA); and, (ii)

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<sup>2</sup> The EPS, <https://www.ontario.ca/laws/regulation/190241#BK18>

<sup>3</sup> The GGPPA, s.36. <https://laws-lois.justice.gc.ca/PDF/G-11.55.pdf>

transmission and storage compression volumes (which are subject to the EPS as Enbridge Gas's transmission and storage system is listed as an industrial activity in Schedule 2 of the EPS Regulation).

**Facility Volumes** – Composed of: (i) Company Use Volumes including distribution buildings, boilers/line heaters, and NGV fleet volumes; and, (ii) transmission and storage compression volumes.

**FCCVA** – Facility Carbon Charge – Variance Account

**FCPP** – As part of the GGPPA, a federal carbon pricing program (also known as the “Backstop”) applies in any province or territory that requested it or that does not have an equivalent carbon pricing system in place that meets federal carbon pricing requirements.<sup>4</sup> The FCPP is composed of the Federal Carbon Charge and an Emissions Performance Standards (EPS) Program. The EPS Program replaced the federal OBPS effective January 1, 2022.

**Federal Carbon Charge** – As part of the FCPP, a charge applied to fossil fuels imposed on distributors, importers and producers applicable from 2019-2030 and equivalent to \$80/tCO<sub>2</sub>e as of April 1, 2024. This charge applies to volumes delivered by Enbridge Gas to its customers (other than Covered Facilities) and to Enbridge Gas's Company Use Volumes (i.e. distribution buildings, boilers/line heaters and NGV fleet volumes).

**FTE** – Full-Time Equivalents.

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<sup>4</sup> Government of Canada – Carbon pollution pricing systems across Canada.  
<https://www.canada.ca/en/environment-climate-change/services/climate-change/pricing-pollution-how-it-will-work.html>

**Fuel Charge Regulations** – The *Fuel Charge Regulations*, 2018, c. 12, s. 187, as amended from time to time, is enacted under the GGPPA to further define the application and enforcement of the Federal Carbon Charge.<sup>5</sup>

**GGEADA** – Greenhouse Gas Emissions Administration Deferral Account.

**GGPPA** – The *Greenhouse Gas Pollution Pricing Act*, S.C.2018, c 12, s. 186, as amended from time to time.<sup>6</sup>

**GHG** – Greenhouse Gas as set out in Section 3 the GGPPA.<sup>7</sup>

**ktCO<sub>2e</sub>** – Kilo-tonne of carbon dioxide equivalent.

**Listed Province** – A province or territory covered, in whole or in part under the GGPPA.<sup>8</sup>

**Mandatory Participant** – Entities that emit 50 ktCO<sub>2e</sub> or greater annually, where the primary activity engaged in at the facility is listed as an industrial activity under the EPS Regulation, are required to register under the EPS.

**Marketable Natural Gas** – Natural gas that meets the specifications for pipeline transport and sale for general distribution to the public, as defined by the Fuel Charge Regulations.<sup>9</sup>

**MECP** – Ministry of the Environment, Conservation and Parks.

**MW** – Megawatt.

**MWh** – Megawatt hour.

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<sup>5</sup> Fuel Charge Regulations, <https://laws.justice.gc.ca/PDF/SOR-2018-12187.pdf>

<sup>6</sup> The GGPPA, <https://laws-lois.justice.gc.ca/PDF/G-11.55.pdf>

<sup>7</sup> Ibid, Schedule 3, Greenhouse Gases, Column 1.

<sup>8</sup> Ibid, Schedule 1.

<sup>9</sup> Fuel Charge Regulations, s.1.1, <https://laws.justice.gc.ca/PDF/SOR-2018-12187.pdf>

**NGV** – Natural gas vehicle.

**Non-Marketable Natural Gas** – Natural gas other than marketable natural gas, as defined by the GGPPA.<sup>10</sup>

**OBPS** – Output-based pricing system; a component of the FCPP applicable in Ontario from January 1, 2019 to December 31, 2021 that applies to certain registered facilities instead of the Federal Carbon Charge. A registered entity had a compliance obligation based on the portion of its emissions that exceed the annual output-based emissions limit.

**OEB** – Ontario Energy Board.

**Offset Credits** – Represent GHG emissions reductions or removal enhancements generated from Canadian voluntary project-based activities that are not subject to carbon pricing and that would not have occurred under business as usual conditions.<sup>11</sup>

**PS** – Performance Standard; a percentage of the baseline emissions intensity applied to the annual facility production to determine the facility's total annual emissions limit under the EPS.

**PDCI** – Parkway Delivery Commitment Incentive.

**QRAM** – Quarterly Rate Adjustment Mechanism.

**RNG** – Renewable Natural Gas; also referred to as *Biomethane* in the GGPPA, means a substance that is derived entirely from biological matter available on a renewable or recurring basis and that is primarily methane.

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<sup>10</sup> The GGPPA, s.3. <https://laws-lois.justice.gc.ca/PDF/G-11.55.pdf>

<sup>11</sup> <https://www.canada.ca/en/environment-climate-change/services/climate-change/pricing-pollution-how-it-will-work/output-based-pricing-system.html>

**tCO<sub>2e</sub>** – Metric tonne of carbon dioxide equivalent. The unit of measure of GHG emissions. A quantity of GHG, expressed in tonnes, is converted into tCO<sub>2e</sub> by multiplying the quantity by the applicable global warming potential.<sup>12</sup>

**Voluntary Participant** – Entities that emit between 10 ktCO<sub>2e</sub> and 50 ktCO<sub>2e</sub> annually, where the primary activity engaged in at the facility is listed as an industrial activity under the EPS Regulation may voluntarily register to be part of the EPS.

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<sup>12</sup> The GGPPA, Schedule 3, Column 2. <https://laws-lois.justice.gc.ca/PDF/G-11.55.pdf>

## OVERVIEW

1. The purpose of this evidence is to further outline the application (Application) of Enbridge Gas Inc. (Enbridge Gas) for: (i) approval to charge customers a Federal Carbon Charge on a volumetric basis, in the amount of the Federal Carbon Charge required to be paid by Enbridge Gas pursuant to the Greenhouse Gas Pollution Pricing Act (GGPPA), effective April 1, 2024; (ii) approval of just and reasonable rates for all Enbridge Gas rate zones, effective April 1, 2024, to allow Enbridge Gas to recover other costs (including the Facility Carbon Charge costs) incurred in compliance with the GGPPA and the Greenhouse Gas Emissions Performance Standards Regulation (EPS Regulation); and (iii) approval of 2022 balances for the federal carbon pricing program (FCPP) related deferral and variance accounts, excluding the Customer Carbon Charge – Variance Accounts (CCCVAs) for all Enbridge Gas rate zones, and disposition of the same, effective April 1, 2024.<sup>1</sup>
2. Enbridge Gas’s Application is being submitted at this time to facilitate compliance with the GGPPA, the EPS Regulation, and to allow customers to be charged the 2024 Federal Carbon Charge rate for natural gas in a timely fashion without accruing uncharged amounts, in accordance with the FCPP, beginning April 1, 2024.
3. This exhibit of evidence is organized as follows:
  1. Background
    - 1.1 The Federal Carbon Pricing Program
  2. Enbridge Gas’s Obligations Under the GGPPA and EPS Regulation
    - 2.1 Volumes Subject to Federal Carbon Charge
    - 2.2 Volumes Subject to EPS
    - 2.3 Management of Facility-Related Emissions and Costs

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<sup>1</sup> Refer to Exhibit C, Tab 1, Schedule 1 for more information on the proposal to defer disposition of the CCCVAs.

3. Bill Impacts
4. Requested Approvals

#### 1. Background

4. On June 21, 2018, the Budget Implementation Act, 2018, No. 1 received Royal Assent. Part V included the GGPPA. The FCPP applies in whole or in part to any province or territory that requested it or that did not have an equivalent carbon pricing system in place by January 1, 2019. On October 23, 2018, the federal government confirmed that the GGPPA would apply to Ontario.
5. On March 29, 2021, the federal government announced that effective January 1, 2022, Ontario's carbon pricing system for industrial emitters, known as the Ontario Emissions Performance Standards program (EPS), will replace the federal Output-Based Pricing System (OBPS). The GGPPA was amended on September 1, 2021 to remove Ontario from Part 2 of Schedule 1 of the GGPPA, enabling the EPS to take effect in Ontario as of January 1, 2022.
6. On September 29, 2021, Enbridge Gas filed its 2022 Federal Carbon Pricing Program application (EB-2021-0209) (2022 Application). To reflect the transition from the federal OBPS to the Ontario EPS program and recognize that Enbridge Gas would be subject to both federal and provincial regulations beginning January 1, 2022, in its 2022 Application, Enbridge Gas proposed to amend the accounting orders by updating the applicable account definitions and account names.<sup>2</sup> The OEB approved the amendments to the wording of the FCPP deferral and variance accounting orders as filed in its Decision and Order on Enbridge Gas's 2022 Application.<sup>3</sup>

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<sup>2</sup> EB-2021-0209, EGI 2022 FCPP Application, September 29, 2021, Exhibit C, p.3.

<sup>3</sup> EB-2021-0209, OEB Decision and Order, February 10, 2022, p.10.

7. On October 31, 2022, Enbridge Gas submit its 2024 Rebasing Application which included a proposal to harmonize the established FCPP-related deferral and variance accounts effective January 1, 2024 and to record administrative costs associated with current federal and provincial regulations related to greenhouse gas emissions requirements through 2024 base rates.<sup>4</sup> In the Settlement Proposal, parties agreed on harmonizing the FCPP deferral and variance accounts, on the condition the existing Greenhouse Gas Emissions Administration Deferral Account (GGEADA) be renamed to Carbon Charges Bad Debt Deferral Account (CCBDDA) and the scope of the account be limited to recording bad debt costs associated with carbon charges.<sup>5</sup> The OEB approved the changes to the FCPP deferral and variance accounts, effective January 1, 2024, in its Decision on the Settlement Proposal to Enbridge Gas's 2024 Rebasing Application.<sup>6</sup> Accordingly, starting in 2024, the only FCPP-related administrative costs Enbridge Gas will record in the CCBDDA are bad debt costs.
8. As set out at Exhibit D, Tab 1, Schedule 1, Enbridge Gas is seeking OEB approval to increase the Federal Carbon Charge and Facility Carbon Charge to recover the costs associated with meeting its obligations under the GGPPA and EPS Regulation, on a final basis, effective April 1, 2024. Further, as set out at Exhibit C, Tab 1, Schedule 1 and Exhibit D, Tab 1, Schedule 1, Enbridge Gas proposes to clear the final 2022 balance in its OEB-approved FCPP-related deferral and variance accounts, excluding the small balances in the CCCVAs.<sup>7</sup>

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<sup>4</sup> EB-2022-0200, 2024 Rebasing Application, October 31, 2022, Exhibit 9, Tab 1, Schedule 1.

<sup>5</sup> EB-2022-0200, 2024 Rebasing Application, Partial Settlement Proposal, June 28, 2023, Exhibit O1, Tab 1, Schedule 1, pp. 53-55.

<sup>6</sup> EB-2022-0200, Decision on Settlement Proposal, August 17, 2023, p.1.

<sup>7</sup> Refer to Exhibit C, Tab 1, Schedule 1, for more information on the proposal to defer disposition of the CCCVAs.



9. This evidence also includes cost estimates and volume forecasts for 2024 that are meant to be used for informational purposes only. Customers will be charged the Federal Carbon Charge and Facility Carbon Charge based on actual volumes. Enbridge Gas will seek disposition of any variance to forecast for 2024 as well as FCPP-related 2024 bad debt costs through a future application to the OEB.

### 1.1 The Federal Carbon Pricing Program

10. The FCPP is composed of two elements:

- a. A charge on fossil fuels (the Federal Carbon Charge) as a cost per unit of fuel, including natural gas (cubic meters or m<sup>3</sup>), imposed on distributors, importers and producers applicable as of April 1, 2019 under Part 1 of the GGPPA. This charge applies to fuel delivered by Enbridge Gas to its customers and to Enbridge Gas's own fuel use within its distribution system (i.e. its Company Use for distribution buildings, boilers/line heaters and Natural Gas Vehicle (NGV) fleet fuel). Exemptions from the Federal Carbon Charge are explained below.

In December 2020, the federal government released its updated climate plan, "A Healthy Environment and A Healthy Economy", outlining the strategy to reduce greenhouse gas (GHG) emissions which included a proposal to increase the Federal Carbon Charge by \$15/tCO<sub>2</sub>e annually starting in 2023, increasing to \$170/tCO<sub>2</sub>e in 2030.<sup>8</sup> The federal government confirmed this Federal Carbon Charge increase in July 2021.<sup>9</sup>

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<sup>8</sup> A Healthy Environment and a Healthy Economy, Environment and Climate Change Canada, December 2020, [https://www.canada.ca/content/dam/eccc/documents/pdf/climate-change/climate-plan/healthy\\_environment\\_healthy\\_economy\\_plan.pdf](https://www.canada.ca/content/dam/eccc/documents/pdf/climate-change/climate-plan/healthy_environment_healthy_economy_plan.pdf)

<sup>9</sup> Update to the Pan-Canadian Approach to Carbon Pollution Pricing 2023-2030, Government of Canada, August 05, 2021, <https://www.canada.ca/en/environment-climate-change/services/climate-change/pricing-pollution-how-it-will-work/carbon-pollution-pricing-federal-benchmark-information/federal-benchmark-2023-2030.html>

Schedule 2 of the GGPPA was amended on April 1, 2023 to include the Federal Carbon Charge rates from 2023 to 2030. In 2024, the Federal Carbon Charge is equivalent to \$80 per tonne of carbon dioxide equivalent (tCO<sub>2e</sub>) or 15.25 ¢/m<sup>3</sup> (see Table 1). The Federal Carbon Charge became effective April 1, 2019 and increases each subsequent year on April 1.

Table 1  
 2019 – 2030 Federal Carbon Charge Rates for Marketable Natural Gas<sup>10</sup>

<b>Year</b>	<b>\$/tCO<sub>2e</sub></b>	<b>¢/m<sup>3</sup></b>
2019	\$20	3.91
2020	\$30	5.87
2021	\$40	7.83
2022	\$50	9.79
2023	\$65	12.39
2024	\$80	15.25
2025	\$95	18.11
2026	\$110	20.97
2027	\$125	23.83
2028	\$140	26.69
2029	\$155	29.54
2030	\$170	32.40

- b. Entities that are covered under the Ontario EPS Regulation are exempt from coverage under Part 1 of the GGPPA, “Fuel Charge” and Part 2 of the GGPPA, “Industrial Greenhouse Gas Emissions”. Under the EPS Regulation, the Ontario Ministry of Environment, Conservation and Parks (MECP) established a mandatory emissions threshold for entities identified as being in an Energy Intensive and Trade Exposed (EITE) sector (facilities which have a primary activity listed in Schedule 2 of the EPS Regulation) of 50 ktCO<sub>2e</sub> or more per year and a voluntary emissions threshold of 10 – 50 ktCO<sub>2e</sub> per

<sup>10</sup> The GGPPA, Schedule 2 and Schedule 4, <https://laws-lois.justice.gc.ca/PDF/G-11.55.pdf>

year for those entities that choose to voluntarily participate in the EPS. This component of the FCPP became effective January 1, 2022.<sup>11</sup>

The EPS creates a pricing incentive to reduce GHG emissions from EITE industrial facilities while limiting the impacts of carbon pricing on their respective competitiveness. Entities subject to the EPS Regulation are required to apply to the MECP and the Canada Revenue Agency (CRA) for exemption from the Federal Carbon Charge. The exemption certificate issued by the CRA must then be submitted to Enbridge Gas to ensure that the entity is not charged the Federal Carbon Charge on its natural gas bill. Participants in the EPS Program are required to report and manage their own compliance obligations and if their annual emissions are greater than the total annual emissions limit, participants will have the following options to satisfy their compliance obligations:<sup>12</sup>

- (i) Pay the excess emissions charge;<sup>13</sup> or
- (ii) Submit emissions performance units (EPUs) issued by the provincial government.

The EPS currently has no provision for use of offset credits.

13. Any natural gas volumes delivered by Enbridge Gas for the period of January 1, 2024 to March 31, 2024 will continue to be charged the Federal Carbon Charge and

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<sup>11</sup> On March 29, 2021, the federal government announced that Ontario will transition from the federal OBPS to the Ontario EPS effective January 1, 2022 and on September 1, 2021, the Order Amending Part 2 of Schedule 1 to the GGPPA was published in the Canada Gazette, Part II, removing Ontario from Part 2 of the GGPPA as of January 1, 2022.

<sup>12</sup> MECP: GHG Emissions Performance Standards and Methodology for the Determination of the Total Annual Emissions Limit, December 2022.

<https://www.ontariocanada.com/registry/showAttachment.do?postingId=28727&attachmentId=41017>

<sup>13</sup> Excess emissions charge is the price per unit in \$/tCO<sub>2</sub>e. For the 2024 compliance period, the excess emissions charge is \$80/tCO<sub>2</sub>e. <https://www.ontario.ca/laws/regulation/190241>

Facility Carbon Charge rates approved by the OEB as part of Enbridge Gas's 2023 Application.

## 2. Enbridge Gas's Obligations Under the GGPPA and EPS Regulation

16. As a natural gas utility in Ontario, a "listed province" in the GGPPA, Enbridge Gas is required to register under Part 1 of the GGPPA with the CRA as a "distributor" for volumes of natural gas delivered to its customers.<sup>14</sup>
17. As a "distributor", Enbridge Gas is required to remit Federal Carbon Charges related to the GGPPA to the Government of Canada monthly.
18. Enbridge Gas is also required to register under the EPS Regulation as a "covered facility" since its transmission and storage operations are covered by an industrial activity listed in Schedule 2 of the EPS Regulation.<sup>15</sup>
19. As a "covered facility" under the EPS Regulation, Enbridge Gas is required to remit payment annually for any excess emissions under the EPS.
20. Enbridge Gas has estimated its 2024 cost of compliance with the GGPPA and EPS Regulation to be approximately \$2,647.47 million: \$1,613.26 million for the EGD rate zone (see Exhibit B, Tab 2 for additional detail) and \$1,034.21 million for the Union rate zones (see Exhibit B, Tab 3 for additional detail). In addition, Enbridge Gas estimates that it will incur 2024 bad debt costs of approximately \$8.80 million based on the forecasted costs recoverable from customers as a result of the GGPPA and EPS Regulation (see Exhibit C, Tab 1, Schedule 1 for additional detail).

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<sup>14</sup> The GGPPA, s.55 (1). The GGPPA requires registration of distributors of marketable or non marketable natural gas. <https://laws-lois.justice.gc.ca/PDF/G-11.55.pdf>

<sup>15</sup> The EPS, O.Reg. 241/19. <https://www.ontario.ca/laws/regulation/r19241>

## 2.1 Volumes Subject to Federal Carbon Charge

21. Except for customer volumes that are covered under the EPS, or those that are otherwise fully or partially exempt from the Federal Carbon Charge, all distribution volumes delivered by Enbridge Gas in Ontario (Customer Volumes) are covered under Part 1 of the GGPPA and are subject to the Federal Carbon Charge.<sup>16</sup>

22. Under the GGPPA Enbridge Gas is required, on a monthly basis, to:<sup>17</sup>

- calculate and report to the CRA the volume of fuel consumed which is covered under Part 1 of the GGPPA, including Enbridge Gas's own use within its distribution system (i.e. distribution buildings, boilers/line heaters and NGV fleet volumes); and
- remit the amount of the Federal Carbon Charge in respect of the monthly volume that has been calculated.

### Forecast Customer Volumes and Costs

23. As set out in Table 1, Enbridge Gas is required to remit the 2024 Federal Carbon Charge rate of 15.25 ¢/m<sup>3</sup> of natural gas consumed for applicable customers from April 1, 2024 to March 31, 2025. As outlined at Exhibit D, Tab 1, Schedule 1 and consistent with Enbridge Gas's treatment of 2019 to 2023 FCPP-related charges, Enbridge Gas will present these charges as a separate line item on customers' bills. Enbridge Gas's forecast cost associated with Customer Volumes for the period of April 1, 2024 to March 31, 2025 is \$2,640.33 million: \$1,612.20 million for the EGD rate zone and \$1,028.14 million for the Union rate zones (please see Exhibit B for

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<sup>16</sup> To calculate Enbridge Gas's 2024 customer volume forecast at Exhibit B, Tab 2, Schedule 2, and at Exhibit B, Tab 3, Schedule 2, Enbridge Gas excluded customers who have provided Enbridge Gas with an exemption certificate, in accordance with Section 17(2) of the GGPPA. This includes downstream distributors, entities covered under the EPS, and customers who use natural gas in a non-covered activity. RNG volumes, hydrogen volumes and 80% of volumes for eligible greenhouses are also excluded.

<sup>17</sup> The GGPPA, s.68 (2b), s.71 (3). <https://laws-lois.justice.gc.ca/PDF/G-11.55.pdf>

additional detail on costs associated with Customer Volumes for the period of April 1, 2024 to March 31, 2025).

24. These cost estimates are subject to change based on actual distribution volumes and are meant to be used for informational purposes only. Customers will be charged the Federal Carbon Charge rate monthly based on actual billed volumes.
25. Customers that hold an Exemption Certificate must provide a copy to Enbridge Gas no later than two weeks in advance of the first day of the month in which they wish to have their consumption volumes exempted from the Federal Carbon Charge. Similarly, if a customer is no longer eligible to hold an Exemption Certificate, they must provide notice to Enbridge Gas of that fact, as soon as the facility ceases to be eligible for exemption.

*Forecast Company Use Volumes and Costs*

26. As set out in Table 1, Enbridge Gas is required to remit the 2024 Federal Carbon Charge rate of 15.25 ¢/m<sup>3</sup> for natural gas consumed in the operation of Enbridge Gas's facilities which are not covered by the EPS (i.e. distribution buildings, boilers/line heaters and NGV fleet volumes) ("Company Use Volumes"). The costs associated with Company Use Volumes will be recovered from customers as part of the Facility Carbon Charge, as detailed at Exhibit D, Tab 1, Schedule 1, included in delivery or transportation charges on customers' bills. Enbridge Gas's forecast cost associated with Company Use Volumes for the period of April 1, 2024 to March 31, 2025 is approximately \$2.17 million: \$0.63 million for the EGD rate zone and \$1.54 million for the Union rate zones (please see Exhibit B for additional detail on costs associated with Company Use Volumes for the period of April 1, 2024 to March 31, 2025).

27. The forecast Company Use Volumes and associated Facility Carbon Charge cost estimate are subject to change based on actual Facility Volumes. Any cost impacts due to the variance between forecast and actual Facility Volumes will be recorded in the Facility Carbon Charge – Variance Account for future disposition.

## 2.2 Volumes Subject to EPS

28. Transmitting natural gas is a covered “industrial activity” under the EPS and includes installations and equipment such as compressor stations, storage installations, and compressor units that have a common owner/operator within a province.<sup>18</sup> For Enbridge Gas, this includes fuel used in transmission and storage compressor facilities (EPS Volumes).

29. Under the EPS, Enbridge Gas is required, on an annual basis, to:

- calculate and report to the Ontario MECP, Enbridge Gas’s covered emissions and total annual emissions limit for each compliance period; and
- provide compensation for, or otherwise obtain EPU, to cover any excess emissions by the applicable deadline.

30. Owners and operators of EPS-covered facilities have a compliance obligation for the portion of the emissions from those facilities that exceed their total annual emissions limit. Under the EPS, a covered facility’s total annual emissions limit is calculated based on the applicable Performance Standard (PS) and its associated annual production.<sup>19</sup> As outlined by the MECP, the PS for facilities transmitting natural gas is 76.1% of the production-weighted facility baseline emissions intensity in 2024.<sup>20</sup>

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<sup>18</sup> The EPS, O.Reg. 241/19. <https://www.ontario.ca/laws/regulation/r19241>

<sup>19</sup> MECP: GHG Emissions Performance Standards and Methodology for the Determination of the Total Annual Emissions Limit, December 2022. [https://prod-environmental-registry.s3.amazonaws.com/2022-12/GHG%20EPS%20and%20Methodology%20for%20determination%20of%20TAEL\\_December%202022%20\(EN\).pdf](https://prod-environmental-registry.s3.amazonaws.com/2022-12/GHG%20EPS%20and%20Methodology%20for%20determination%20of%20TAEL_December%202022%20(EN).pdf)

<sup>20</sup> Ibid, Table 4.2, p. 36.

The costs associated with EPS Volumes will be recovered from customers as part of the Facility Carbon Charge, as detailed at Exhibit D, Tab 1, Schedule 1, included in delivery or transportation charges on customers' bills. Enbridge Gas's forecast 2024 (January 1, 2024 to December 31, 2024) regulated cost associated with EPS Volumes is \$4.97 million: \$0.43 million for the EGD rate zone and \$4.54 million for the Union rate zones (please see Exhibit B for additional detail on costs associated with EPS Volumes for the period of January 1, 2024 to December 31, 2024).

### 2.3 Management of Facility-Related Emissions and Costs

31. Consistent with Enbridge Gas's commitment in the 2021 Application "...to identify, track and report on emission reduction opportunities using criteria that effectively balance management of its compliance obligations under the FCPP, estimated capital costs, safety and operational reliability,"<sup>21</sup> and the OEB's Decision and Order on the 2022 Application that "Enbridge Gas's next FCPP application set out in a comprehensive fashion the management of Enbridge's own obligations that identifies its approaches towards achieving efficiencies and reduction of carbon emission related costs to its customers", this section of evidence contains details on the potential options for reducing Enbridge Gas's facility-related emissions and associated costs.<sup>22</sup> Facility-related emissions and associated costs can be reduced through the reduction of either Company Use Volumes or EPS Volumes, or, in the case of EPS emissions, through the use of lower cost compliance options.

#### Facility-Related Volume Reductions

32. To support the achievement of federal, provincial and Enbridge Inc. GHG emission targets, and to support the reduction of facility-related emissions costs, Enbridge Gas continues to update its emission reduction strategy for emissions resulting directly from Enbridge Gas's operations. This strategy covers emissions from

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<sup>21</sup> EB-2020-0212, EGI 2021 FCPP Application, September 30, 2020, Exhibit A, p. 14.

<sup>22</sup> EB-2021-0209, OEB Decision and Order, February 10, 2022, p.10.



combustion of fuels in Company-operated buildings, equipment and vehicles, and methane emissions from venting and leaked natural gas.

33. Enbridge Gas's facility-related emissions covered under the GGPPA and EPS only include stationary combustion and flaring emissions, and therefore only opportunities which address these emissions sources will be further discussed in this evidence. Opportunities to reduce GHG emissions from fugitive and vented sources were addressed in Enbridge Gas's 2024 Rebasing Application.<sup>23</sup>

34. In order to prioritize emission reduction opportunities, Enbridge Gas has classified GHG reduction opportunities as follows:

- a) Business as Usual (BAU) Opportunities – planned emissions reductions included in the Asset Management Plan (AMP), including improved operating practices, modernization, and current and emerging policies and regulations. Although these opportunities are part of Enbridge Gas's GHG Reduction Strategy work, they are being driven by the Company's standard operational maintenance program; and
- b) High Impact/Low Risk Opportunities – emissions reductions opportunities that are not already included in the AMP.

35. Opportunities identified to date with the potential to reduce EPS volumes are listed below in Table 2 and Table 3. Table 2 provides a summary of the opportunities that Enbridge Gas is implementing to reduce emissions and facility-related costs. Table 3 provides a summary of additional opportunities to reduce emissions and facility-related costs that Enbridge Gas has identified, however are not considered feasible at this point in time.

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<sup>23</sup> EB-2022-0200, 2024 Rebasing Application, October 31, 2022, Exhibit 1, Tab 10, Schedule 8, Table 1 & Table 2.

36. The cost per tonne of GHG emissions shown for each opportunity in Table 2 and Table 3 was calculated using a Discounted Cash Flow analysis (cost represented by a positive \$/tCO<sub>2e</sub> figure and savings represented by a negative \$/tCO<sub>2e</sub> figure). Cash outflows include incremental capital costs of each opportunity. Cash inflows include resulting natural gas savings, avoided carbon charges, any other incremental O&M costs or savings, income tax impacts and any operating costs or savings resulting from the opportunity. The net present value (NPV) of cash inflows and outflows is divided by the total estimated emissions avoided over the life of the project to determine the \$/tCO<sub>2e</sub>.

Table 2  
 Facility-Related Emission Reduction Project Summary – In-Progress Opportunities

Opportunity	Total Estimated Capital Cost (\$millions)	Estimated Emissions Reductions – 2022 (tCO <sub>2e</sub> )	Estimated EPS Cost Impact - 2022 (\$) <sup>24</sup>	Forecasted Emissions Reductions – 2024 (tCO <sub>2e</sub> )	Forecasted Project Emissions Reductions (tCO <sub>2e</sub> ) <sup>25</sup>	Cost per Tonne of GHG Emissions (\$/tCO <sub>2e</sub> )
1 Storage and Transmission Operations (STO) Online Monitoring	0.05	960	-48,000	1,100 <sup>26</sup>	1,100	-32
2 Air Filter Replacements for Turbines	0 <sup>27</sup>	0 <sup>28</sup>	0	200	1,500	-47

37. Implementation of the STO online monitoring opportunity was completed in 2022, with the final unit being brought online.

<sup>24</sup> Estimated based on estimated emissions reductions and excess emissions charge for 2022.

<sup>25</sup> Forecasted total annual project emissions reductions once project is fully implemented.

<sup>26</sup> No additional units to be brought online post 2022, and therefore forecasted emissions reductions for 2024 will be the same as the forecasted project emission reductions.

<sup>27</sup> Initial O&M costs for the air filter replacement program are estimated to be \$10,000 but once the program is fully implemented, it is estimated that there will be an O&M savings of approximately \$150,000/year.

<sup>28</sup> There were no filter upgrades in 2022. The only filter changes in 2022 were direct replacements on units that did not require filter upgrades.

38. The air filter replacements for turbines opportunity is ongoing, with higher efficiency filters being installed on applicable units at the next filter change opportunity.
39. The online monitoring and air filter replacements for turbines opportunities were driven by Enbridge Gas's standard operational maintenance program and therefore Enbridge Gas is not seeking cost recovery for these opportunities through this Application.

Table 3  
 Facility-Related Emission Reduction Project Summary – Currently Not Feasible Opportunities

	Opportunity	Total Estimated Capital Cost (\$millions)	Forecasted Project Emissions Reductions (tCO <sub>2</sub> e) <sup>29</sup>	Cost per Tonne of GHG Emissions (\$/tCO <sub>2</sub> e)
1	Electric Drive Compressors – Dawn Plant C Replacment	70	16,000	105
2	Electric Drive Compressors – Parkway	140	12,000	199
3	Re-wheeling Turbines	17	3,100	191
4	Compressor Fuel Switch to RNG	0 <sup>30</sup>	275,000	178
5	Own Use Gas Fuel Switch to RNG Blend (5%)	0 <sup>31</sup>	1,300	203

40. Re-wheeling Turbines, Fuel Switching to RNG and Electrification opportunities are currently not feasible due to the high costs per tonne as compared to the excess emissions charge.

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<sup>29</sup> Forecasted total annual project emissions reductions once project is fully implemented.

<sup>30</sup> It is estimated that the incremental O&M costs will be approximately \$151 million/year once fully implemented.

<sup>31</sup> It is estimated that the incremental O&M costs will be approximately \$0.7 million/year once fully implemented.

41. The Compression Modernization Strategy in the AMP is a long-term plan to replace identified compression. Under this project several factors are being considered in the evaluation of alternatives, including meeting the operating requirements for the storage and transmission systems, reliability, environmental compliance, and GHG emissions reduction strategy. Electrification will be considered as an alternative for both Dawn Plant C and Parkway A engine replacements. Ongoing modernization of Enbridge Gas's compressor fleet is expected to reduce EPS emissions in the long-term.
42. As part of Enbridge Gas's GHG emissions reduction strategy, identified opportunities will be reviewed on an annual basis, including revisiting any previous assumptions, project costs and the cost of carbon. Part of the process is to continue to identify new opportunities, and further assess those opportunities that have been previously identified.
43. Actual GHG emissions and reductions in EPS costs resulting from these opportunities will be reflected in Enbridge Gas's future FCPP applications for clearance of FCPP-related deferral and variance accounts.

#### EPS Compliance Cost Reductions

44. Enbridge Gas has an alternative compliance option to satisfy its annual EPS compliance obligation aside from paying the excess emissions charge; the purchase of EPU's from other EPS participants. The EPS Regulation does not allow for the use of Offset Credits as a viable compliance option.
45. Enbridge Gas has made an effort to procure EPU's for use towards its 2022 EPS compliance obligation, but to date no opportunities have been found. With 2022 being the first compliance period under the EPS program, the EPU market is nascent and the availability of EPU's is currently difficult to determine. The EPS Regulations allow an entity to hold EPU's in their account for a period of up to five

years for use towards a future compliance period or to sell into the market at a higher carbon price at a future date, which will likely reduce the supply of EPU's sold into the market, especially for this first compliance year.<sup>32</sup>

46. Additionally, Enbridge Gas understands that the MECF will disctriubte EPU's on or before November 1, 2023, which is only one month before the December 15, 2023 compliance deadline. The limited timelines to procure and retire EPU's for use towards the Company's 2022 compliance period are anticipated to make it difficult to execute a transaction later in the year.

47. Due to the difficulty in finding EPU's, Enbridge Gas anticipates satisfying the 2022 EPS compliance obligation by paying the excess emissions charge. If Enbridge Gas is able to procure EPU's at a lower price than the excess emissions charge in the timeperiod between the submission of this Application and the 2022 compliance deadline of December 15, 2023, the cost savings will be recorded in the FCCVAs.

48. For Enbridge Gas's 2024 EPS compliance obligation, the availability and pricing of EPU's will be reviewed to determine if they present a viable means of reducing compliance costs. If Enbridge Gas procures EPU's at a lower price than the excess emissions charge, the difference between these two costs will be recorded in the FCCVA<sup>33</sup> and Enbridge Gas will seek to dispose of those amounts through a future FCPP application.<sup>34</sup>

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<sup>32</sup> EPU's can be banked for the duration of their useful life which is five years after the compliance period for which the credit was issued.

<sup>33</sup> As of January 1, 2024, the existing FCPP deferral and variance accounts will be harmonized. Please refer to Exhibit C, Tab 1, Schedule 1 for more information.

<sup>34</sup> EB-2019-0247, Exhibit I.STAFF.8 b) and c), June 18, 2020; EB-2019-0247, Enbridge Gas Reply Argument, July 16, 2020, p. 12.

### 3. Bill Impacts

49. The bill impact of the 2024 carbon charges for a typical residential customer with annual consumption of 2,400 m<sup>3</sup> is \$366.35 per year in the EGD rate zone, which is an increase of \$68.79 per year over 2023. The bill impact of the 2024 carbon charges for a typical residential customer with annual consumption of 2,200 m<sup>3</sup> is \$335.83 per year in the Union rate zones, which is an increase of \$62.91 per year over 2023.
50. The bill impact of the proposed 2022 FCPP-related deferral and variance account balance disposition for a typical residential customer with annual consumption of 2,400 m<sup>3</sup> is \$1.12 in the EGD rate zone. The bill impact of the proposed 2022 FCPP-related deferral and variance account balance disposition for a typical residential customer with annual consumption of 2,200 m<sup>3</sup> is \$0.81 in the Union South rate zone and \$1.06 in the Union North rate zone.

### 4. Requested Approvals

51. As the costs to comply with the GGPPA and EPS Regulation in 2024 form part of Enbridge Gas's ongoing operating costs as a utility, and consistent with Enbridge Gas's 2023 Application, Enbridge Gas proposes to continue to treat all prudently incurred costs of compliance with the GGPPA and EPS Regulation as a pass-through to customers (Y Factor).
52. Through this Application and by February 8, 2024, Enbridge Gas is seeking:
- a) OEB approval of rates to be applied to customer bills beginning April 1, 2024. Following the issuance of the OEB's Decision and Order for this Application, Enbridge Gas intends to reflect 2024 rate increases associated with the Federal Carbon Charge and other costs (including the Facility Carbon Charge costs) incurred in compliance with the GGPPA and EPS Regulation as early as part of its April 1, 2024 QRAM application.

- b) OEB approval to dispose of the 2022 balances recorded in Enbridge Gas's FCPP-related deferral and variance accounts, excluding the CCCVAs, effective April 1, 2024. Following the issuance of the OEB's Decision and Order for this Application, Enbridge Gas intends to dispose of these balances as a one-time adjustment as early as part of the April 1, 2024 QRAM.<sup>35</sup>

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<sup>35</sup> Refer to Exhibit C, Tab 1, Schedule 1, for more information on the proposal to defer disposition of the CCCVAs.

## FEDERAL CARBON CHARGE IMPACT ON CUSTOMER CONSUMPTION

1. Pursuant to the OEB's request for greater understanding of the impacts of the Federal Carbon Charge on patterns of gas consumption by Enbridge Gas customers, as requested through the 2023 Application, Enbridge Gas is providing, to the best of its ability, an analysis of the Federal Carbon Charge on customer consumption patterns since implementation in 2019.<sup>1</sup> The analysis below compares the average use trend for residential and non-residential customers pre and post-Federal Carbon Charge implementation.
2. As of 2022, Enbridge Gas served over 3.8 million customers comprising of approximately 3.5 million residential and approximately 300 thousand non-residential customers.

### 1. Residential Average Use

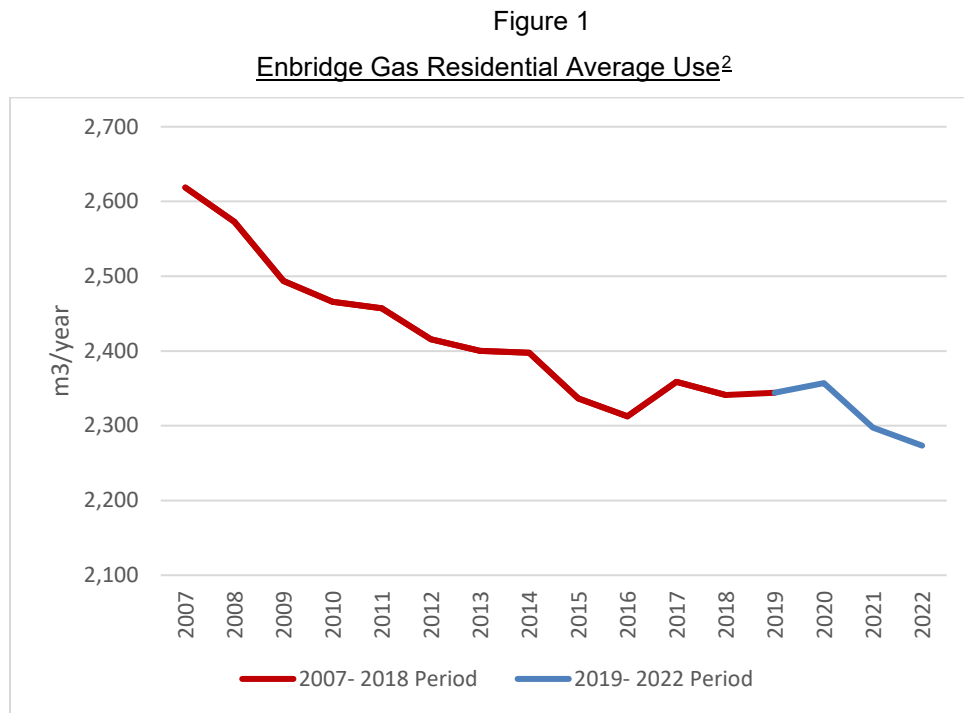
3. Over the past few decades, several factors have contributed to a gradual decrease in residential natural gas usage. These include improved housing construction and increased efficiency in space-heating equipment and other natural gas appliances (efficiency improvements through building code changes), an increase in natural gas prices, and customer behavior.
4. Figure 1 below shows a general downward trend in Enbridge Gas's residential average use over the past fifteen years. The average annual decline in residential average use was approximately 1.0% between 2007 to 2018. Since the implementation of the Federal Carbon Charge in 2019, Enbridge Gas' residential customers have continued to experience an average annual decline of approximately 1.0% in average use, which is aligned with the historical trend experienced from 2007 to 2018. Therefore, the introduction of the Federal Carbon

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<sup>1</sup> EB-2022-0194, Decision and Order, February 9, 2023, p. 7.



Charge in 2019 has not (to this point) had a distinct (or a readily identifiable/recognizable) impact on the trend in residential average use decline.



5. Although the Federal Carbon Charge is one of various contributing factors affecting average use, the Company is not able to exclusively identify the specific impact, or contribution, of the Federal Carbon Charge to the average use versus other contributing factors. To date, residential average use has been following an established trend and no indication of a shift from the historical trend has been observed.

## 2. Non-Residential Average Use

6. Non-residential average use is largely influenced by the economy. During periods of economic growth, increases in demand for goods and services from the commercial and industrial sectors tend to increase natural gas consumption. “Economy-related

<sup>2</sup> Weather Normalized at 2024 Proposed Heating Degree Days.

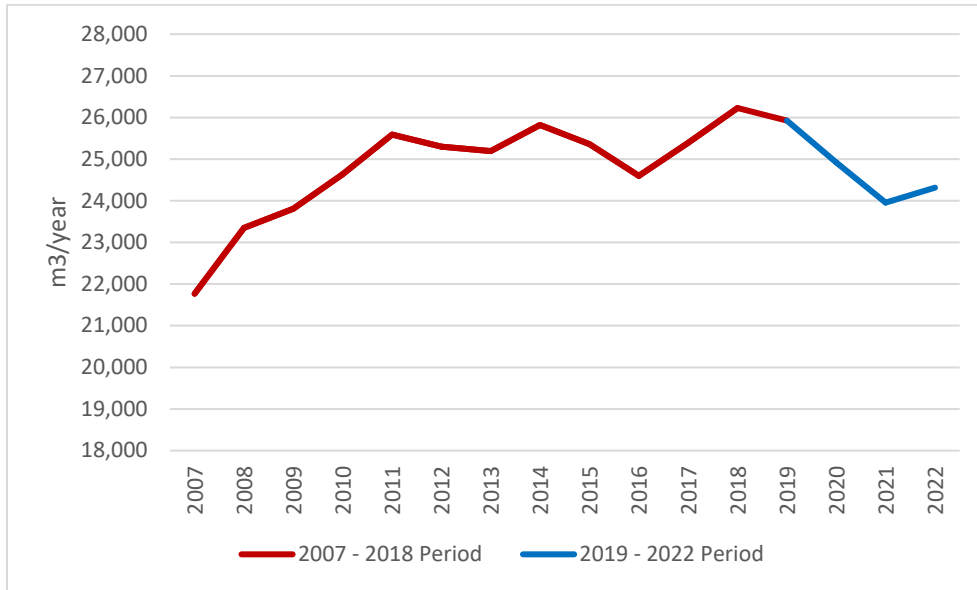
increases in consumption can be significant in the industrial sector since this sector uses natural gas as a fuel and a feedstock for making many products such as fertilizer and pharmaceuticals.”<sup>3</sup> However, like residential average use, other factors including efficiency increases, natural gas prices, and customer behavior also have an impact on non-residential average use.

7. Figure 2 below shows a general trend in Enbridge Gas’s non-residential average use over the last fifteen years. The non-residential average use had an average annual increase of 1.7% between 2007 to 2018. Since 2011, non-residential average use has been more stable. The average annual increase from 2011 to 2018 was 0.4%. In the period of 2019-2022, after the implementation of the Federal Carbon Charge in 2019, Enbridge Gas exhibited an average annual decline of 2.1% in non-residential average use.
8. As stated in paragraph 5 above, the Company is not able to exclusively identify the specific impact, or contribution, of the Federal Carbon Charge to the average use versus other contributing factors. Although the non-residential average use trend for the period of 2019-2022 followed a different trend than historically experienced, Enbridge Gas believes that during this period, the decline in non-residential average use was influenced by the economic conditions under the COVID-19 pandemic (lower GDP growth, business closures, and high commercial vacancy rates).

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<sup>3</sup> U.S. Energy Information Administration. (2021, October, 5). Natural gas explained, Factors affecting natural gas prices. <https://www.eia.gov/energyexplained/natural-gas/factors-affecting-natural-gas-prices.php>

Figure 2  
Enbridge Gas Non-Residential Average Use<sup>4</sup>



9. Considering the Federal Carbon Charge will continue to increase in the future, Enbridge Gas will continue to monitor the impacts of the Federal Carbon Charge on Enbridge Gas customers' consumption patterns and will continue to report its observations/findings to the OEB.

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<sup>4</sup> Weather Normalized at 2024 Proposed Heating Degree Days.

## FORECASTS - OVERVIEW

1. The purpose of this exhibit is to provide Enbridge Gas's forecast of volumes and the associated forecasted costs of complying with the GGPPA and EPS Regulation for each of the EGD and Union rate zones.<sup>1</sup>
2. This exhibit of evidence is organized as follows:
  1. Exhibit B, Tab 2, Schedule 1: Forecasts - EGD Rate Zone
  2. Exhibit B, Tab 3, Schedule 1: Forecasts - Union Rate Zones

### 1. Forecast Period

3. In this Application, Enbridge Gas has forecast volumes and associated costs in alignment with the annual effective date of changes to the Federal Carbon Charge and the EPS:
  - For volumes subject to the Federal Carbon Charge (including customer-related and facility-related volumes) – April 1, 2024, to March 31, 2025; and
  - For volumes subject to the EPS (including facility-related volumes) – January 1, 2024, to December 31, 2024.
4. Natural gas volumes delivered by Enbridge Gas for the period of January 1, 2024, to March 31, 2024, will continue to be charged the Federal Carbon Charge and Facility Carbon Charge rates approved by the OEB as part of Enbridge Gas's 2023 Application.

### 2. Forecast 2024 Total Volume and Carbon Cost

5. Enbridge Gas's total 2024 regulated volume forecast subject to the GGPPA and the EPS is 17,458,454 10<sup>3</sup>m<sup>3</sup>.<sup>2</sup> This results in an associated forecast 2024 total cost of

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<sup>1</sup> Forecast administration costs of complying with the GGPPA and EPS Regulation are detailed at Exhibit C, Tab 1, Schedule 1.

<sup>2</sup> Total of regulated customer and facility-related volumes for the EGD rate zone and Union rate zones. Calculated as: Exhibit B, Tab 2, Schedule 2, Col. 3, Line 13 + Exhibit B, Tab 2, Schedule 3, Col. 1, Line 6 + Exhibit B, Tab 3, Schedule 2, Col. 3, Line 16 + Exhibit B, Tab 3, Schedule 3, Col. 1, Line 6.

\$2,647.47 million. The details of this volume forecast, and associated cost are included at Exhibit B, Tab 2, Schedule 1 for the EGD rate zone and at Exhibit B, Tab 3, Schedule 1 for the Union rate zones.

### 3. Forecast 2024 Customer Volume and Federal Carbon Charge Cost

6. Enbridge Gas's total 2024 Customer Volume forecast subject to the Federal Carbon Charge is 17,313,661 10<sup>3</sup>m<sup>3</sup> for the period of April 1, 2024, to March 31, 2025.<sup>3</sup> This results in an associated forecast 2024 Federal Carbon Charge cost of \$2,640.33 million. This cost estimate is subject to change based on actual distribution volumes and is meant to be used for informational purposes only. Customers will be charged the Federal Carbon Charge rate monthly based on actual billed volumes.
7. To estimate the Customer Volume forecast, Enbridge Gas excluded customer volumes exempt from Part 1 of the GGPPA, including customer volumes qualifying for exemption for non-covered activities,<sup>4</sup> volumes of renewable natural gas (RNG),<sup>5</sup> volumes of hydrogen,<sup>6</sup> and EPS registered customer volumes with emissions exceeding 10 ktCO<sub>2e</sub>.<sup>7</sup> Enbridge Gas also excluded volumes delivered to downstream distributors, including those distributors that are out of province, which are also exempt from Part 1 of the GGPPA. Further, Enbridge Gas excluded 80% of the volumes delivered to commercial greenhouse operators.<sup>8</sup>

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<sup>3</sup> Calculated as: Exhibit B, Tab 2, Schedule 2, Col. 3, Line 13 + Exhibit B, Tab 3, Schedule 2, Col. 3, Line 16.

<sup>4</sup> Under the GGPPA, entities that use natural gas which is not put into a fuel system that produces heat or energy and those entities that use natural gas: (i) as a raw material in an industrial process that produces another fuel, substance, material or thing; or (ii) as a solvent or diluent in the production or transport of crude bitumen or another substance, material or thing, meet the definition of a non-covered activity and may be exempt from Part 1 of the GGPPA.

<sup>5</sup> Under the GGPPA, biomethane, also known as RNG, is exempt from the Federal Carbon Charge.

<sup>6</sup> On March 27, 2023, the Fuel Charge Regulations, enacted under the GGPPA, were amended to confirm that hydrogen blended with natural gas is exempt from the Federal Carbon Charge, retroactive to August 2022, <https://www.gazette.gc.ca/rp-pr/p2/2023/2023-04-12/html/sor-dors62-eng.html>

<sup>7</sup> The 2024 Customer Volume forecast excludes customer volumes from mandatory and voluntary participants of the EPS, that are exempt from the Federal Carbon Charge under Part 1 of the GGPPA.

<sup>8</sup> Under the GGPPA, greenhouse operators receive partial relief of 80% of the Federal Carbon Charge for natural gas used in the operation of a commercial greenhouse.

8. Customers exempt from Part 1 of the GGPPA who have provided Enbridge Gas their Exemption Certificate, which is issued to the customer upon registration with the CRA, will continue to be exempted unless they otherwise notify Enbridge Gas that they are no longer eligible for exemption. Enbridge Gas will also exempt any additional eligible customers who submit an Exemption Certificate in the future. For those customers covered under the EPS or undertaking non-covered activities, Enbridge Gas will exempt the customer on the date provided by the CRA on the customer's CRA-issued registration confirmation letter. For customers operating commercial greenhouses, exemption will begin the first day of the calendar month following the month in which they provide Enbridge Gas with their Exemption Certificate.
9. The Exemption Certificate indicates that a customer is fully or partially exempt from paying the Federal Carbon Charge on their natural gas combustion fuel delivered by Enbridge Gas. Enbridge Gas uses a customer declaration form to identify which of a customer's accounts are exempt from the Federal Carbon Charge. Enbridge Gas also requests, and maintains on file, copies of each customer's CRA-issued Exemption Certificate and registration confirmation letter.
10. Enbridge Gas exempts customers from the Federal Carbon Charge in its billing systems based on the accounts listed on the customer declaration form, provided a CRA-issued Exemption Certificate and registration confirmation letter have been provided.<sup>9</sup> Customers who are no longer eligible for an exemption from Part 1 of the GGPPA are required, as stated on Enbridge Gas's declaration form, to notify Enbridge Gas of any changes to the information that they had initially provided. Upon receipt of such notification, Enbridge Gas will process the change within its billing systems effective at either the start of the next calendar month, or the next compliance period, whichever is applicable.

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<sup>9</sup> Registration confirmation letters are not applicable to commercial greenhouse customers.

11. Under Part 1 of the GGPPA, biomethane, also known as RNG, is not subject to the Federal Carbon Charge. This includes volumes of RNG nominated by direct purchase customers and RNG procured as part of OptUp, Enbridge Gas's voluntary RNG program.
12. Enbridge Gas uses a RNG declaration form to have direct purchase customers declare their RNG usage and identify which customer accounts are eligible to receive exemption from the Federal Carbon Charge. For forecasting purposes, customers who have nominated their own RNG supply in 2023 were assumed to continue in 2024.
13. Volumes of RNG in OptUp were incorporated into the 2024 Customer-Related Volume forecasts based on the forecast provided in Exhibit C, Tab 2, Schedule 3 of the Voluntary Renewable Natural Gas Program Application (EB-2020-0066).
14. In August 2022, the federal government released a legislative proposal which outlined draft regulations amending the GGPPA to exempt hydrogen from the Federal Carbon Charge in proportion to the amount of hydrogen blended with the natural gas.<sup>10</sup> Based on conversations with the CRA in November 2022, Enbridge Gas understood that although the GGPPA had not yet been amended to include the exemption of hydrogen, hydrogen could be exempted from the Federal Carbon Charge as of August 2022, when the legislative proposal was announced. On March 27, 2023, the Fuel Charge Regulations, enacted under the GGPPA, were amended to confirm that hydrogen blended with natural gas is exempt from the Federal Carbon Charge, retroactive to August 2022.<sup>11</sup> This applies to volumes of hydrogen injected

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<sup>10</sup> Draft Regulations Amending the Fuel Charge Regulations, August 10, 2022, <https://fin.canada.ca/drleg-apl/2022/ita-lir-0822-d.pdf>

<sup>11</sup> Regulations Amending Schedule 2 to the Greenhouse Gas Pollution Pricing Act, Amending the Fuel Charge Regulations and Repealing the Part 1 of the Greenhouse Gas Pollution Pricing Act Regulations (Alberta): SOR/2023-62, Government of Canada, March 27, 2023, <https://www.gazette.gc.ca/rp-pr/p2/2023/2023-04-12/html/sor-dors62-eng.html>

as part of the Low Carbon Energy Project (LCEP), Enbridge Gas's low-carbon hydrogen blending project in Markham, Ontario.

15. Enbridge Gas has incorporated forecasted quantities of blended hydrogen into the 2024 Customer-Related Volume forecast based on the estimated quantities provided by Enbridge Gas in the interrogatory response to Exhibit I.H2GO.2 of the Low Carbon Energy Project Application (EB-2019-0294).

#### 4. Forecast 2024 Facility Volume and Facility Carbon Charge Cost

16. Enbridge Gas's total 2024 regulated Facility Volume forecast is 144,793 10<sup>3</sup>m<sup>3</sup>.<sup>12</sup>

This results in an associated forecast 2024 Facility Carbon Charge cost of \$7.14 million. Facility Volumes are based on the amount of natural gas required for Enbridge Gas to operate its facilities as well as the emissions resulting from the distribution of natural gas. Facility Volumes are composed of: (i) Company Use Volumes including distribution buildings, boilers/line heaters, and NGV fleet volumes (which are subject to the Federal Carbon Charge under Part 1 of the GGPPA) for the period of April 1, 2024 to March 31, 2025; and, (ii) transmission and storage compression volumes (which are subject to the EPS as Enbridge Gas's transmission and storage system is a "covered facility" under the EPS Regulation) for the period of January 1, 2024 to December 31, 2024. The parameters underpinning Enbridge Gas's estimated EPS compliance obligation can be found at Exhibit B, Tab 1, Schedule 1, Appendix A. The forecast 2024 Facility Volume and associated Facility Carbon Charge cost estimate are subject to change based on actual Facility Volumes.

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<sup>12</sup> Calculated as: Exhibit B, Tab 2, Schedule 3, Col. 1, Line 6 + Exhibit B, Tab 3, Schedule 3, Col. 1, Line 6.



### ENBRIDGE GAS ESTIMATED EPS COMPLIANCE OBLIGATION

- On July 4, 2019, the government of Ontario filed the *Greenhouse Gas Emissions Performance Standards Regulation* (EPS Regulation) as an alternative to the federal OBPS program.<sup>1</sup> Enbridge Gas's storage and transmissions system is considered a "covered facility" under the EPS Regulation. On September 1, 2021 the *Order Amending Part 2 of Schedule 1 to the Greenhouse Gas Pollution Pricing Act* was published in the *Canada Gazette*, Part II, which removed Ontario from Part 2 of Schedule 1 of the GGPPA as of January 1, 2022.<sup>2</sup> Based on the EPS Regulation, the annual compliance obligation under EPS is calculated as follows:

***Compliance Obligation (tCO<sub>2e</sub>) =***

*Annual Facility Emissions – Total Annual Emissions Limit*

*Where:*

***Annual Facility Emissions (tCO<sub>2e</sub>) =***

*Annual EPS Emissions<sup>3</sup>*

***Total Annual Emissions Limit (tCO<sub>2e</sub>) =***

*BEI (tCO<sub>2e</sub>/production units) × SF (%) × Annual Production (production units)*

- For forecasting purposes, the total annual emissions limit was based on the facility Baseline Emissions Intensity (BEI), along with the 2024 stringency factor (SF)<sup>4</sup> for transmitting natural gas and the facility specific Performance Standard (PS) calculation methodology, as outlined in the MECP's GHG Emissions Performance

<sup>1</sup> Ontario Regulation 241/19. <https://www.ontario.ca/laws/regulation/r19241#BK29>

<sup>2</sup> <https://canadagazette.gc.ca/rp-pr/p2/2021/2021-09-01/html/sor-dors195-eng.html>

<sup>3</sup> Ontario Regulation 390/18, s. 12(1). <https://www.ontario.ca/laws/regulation/180390>

<sup>4</sup> MECP: GHG Emissions Performance Standards and Methodology for the Determination of the Total Annual Emissions Limit, December 2022, Table 4.2 page 36. [https://prod-environmental-](https://prod-environmental-registry.s3.amazonaws.com/2022-12/GHG%20EPS%20and%20Methodology%20for%20determination%20of%20TAEL_December%202022%20(EN).pdf)

[registry.s3.amazonaws.com/2022-12/GHG%20EPS%20and%20Methodology%20for%20determination%20of%20TAEL\\_December%202022%20\(EN\).pdf](https://prod-environmental-registry.s3.amazonaws.com/2022-12/GHG%20EPS%20and%20Methodology%20for%20determination%20of%20TAEL_December%202022%20(EN).pdf)

Standards and Methodology for the Determination of the Total Annual Emissions Limit, Formula 3.1.5-3.<sup>5</sup>

- Forecast annual production is the forecast compressor energy use based on the following formula:

**Energy (MWh)<sup>6</sup> =**

*Rated Compressor Brake Power (MW) × Load (%) × Operating Hours (h)*

Where:

**Load (%) =**

*The % load of the engine*

-or-

*Calculated by Average Annual Speed (RPM) ÷ Max Rated Speed (RPM)*

- To forecast the annual production value for 2024, Enbridge Gas has calculated the compressor energy use in MWh for 2020 to 2022 and used an average of this data. Enbridge Gas's detailed calculations of the 2024 forecast EPS emissions, total annual emissions limit, EPS compliance obligation and EPS facility carbon cost for each of the EGD rate zone and Union rate zones can be found at Exhibit B, Tab 2, Schedules 4 to 6 and at Exhibit B, Tab 3, Schedules 4 to 6, respectively.

<sup>5</sup> MECP: GHG Emissions Performance Standards and Methodology for the Determination of the Total Annual Emissions Limit, December 2022, p. 25. [https://prod-environmental-registry.s3.amazonaws.com/2022-12/GHG%20EPS%20and%20Methodology%20for%20determination%20of%20TAEL\\_December%202022%20\(EN\).pdf](https://prod-environmental-registry.s3.amazonaws.com/2022-12/GHG%20EPS%20and%20Methodology%20for%20determination%20of%20TAEL_December%202022%20(EN).pdf)

<sup>6</sup> Amount of work required by a compressor to transport gas.

## FORECASTS - EGD RATE ZONE

1. The purpose of this evidence is to provide Enbridge Gas's 2024 forecast of volumes and the associated forecasted costs of complying with the GGPPA and the EPS Regulation, for the EGD rate zone.
2. This tab of evidence is organized as follows:
  1. Forecast 2024 Volume and Carbon Cost
  2. Forecast 2024 Customer Volumes and Federal Carbon Charge Cost
  3. Forecast 2024 Facility Volumes and Facility Carbon Charge Cost
    - 3.1. Company Use Volumes
    - 3.2. EPS Volumes

### 1. Forecast 2024 Volume and Carbon Cost

3. The EGD rate zone 2024 regulated volume forecast subject to the GGPPA and EPS Regulation is 10,584,782 10<sup>3</sup>m<sup>3</sup>.<sup>1</sup> This results in an associated forecast 2024 total cost of \$1,613.26 million. The details of this volume forecast and associated cost are included at Exhibit B, Tab 2, Schedules 2 to 6. The forecast employs the same methodologies which underpinned forecasts previously approved by the OEB. Enbridge Gas has excluded unregulated non-utility storage volumes and associated costs. Non-utility costs are those associated with Enbridge Gas's unregulated non-utility storage business.

### 2. Forecast 2024 Customer Volumes and Federal Carbon Charge Cost

4. The EGD rate zone total 2024 Customer Volume forecast subject to the Federal Carbon Charge is 10,571,786 10<sup>3</sup>m<sup>3</sup> as detailed at Exhibit B, Tab 2, Schedule 2. This results in an associated forecast 2024 Federal Carbon Charge cost of \$1,612.20 million as detailed at Exhibit B, Tab 2, Schedule 6. Enbridge Gas has

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<sup>1</sup> Calculated as: Exhibit B, Tab 2, Schedule 2, Col. 3, Line 13 + Exhibit B, Tab 2, Schedule 3, Col. 1, Line 6.

included forecast distribution volumes subject to the Federal Carbon Charge for all rate classes within the EGD rate zone as detailed at Exhibit B, Tab 2, Schedule 2. The cost estimates are subject to change and are meant to be used for informational purposes only. Customers will be charged the Federal Carbon Charge monthly based on actual billed volumes.

### 3. Forecast 2024 Facility Volumes and Facility Carbon Charge Cost

5. The EGD rate zone total 2024 regulated Facility Volume forecast is 12,996 10<sup>3</sup>m<sup>3</sup> as detailed at Exhibit B, Tab 2, Schedule 3. This results in an associated forecast 2024 Facility Carbon Charge cost of \$1.06 million as detailed at Exhibit B, Tab 2, Schedule 6. Facility Volumes are composed of: (i) Company Use Volumes including distribution buildings, boilers/line heaters, and NGV fleet volumes (which are subject to the Federal Carbon Charge under Part 1 of the GGPPA); and (ii) EPS Volumes which includes compressor fuel (which is subject to the EPS as Enbridge Gas's storage and transmission system is a "covered facility" under the EPS Regulation). The forecast 2024 regulated Facility Volume and associated forecast Facility Carbon Charge cost estimates are based on the best available information at this time and are subject to change based on actual Facility Volumes.

#### 3.1 Company Use Volumes

6. The regulated Company Use Volume forecast for 2024 including distribution buildings, boilers/line heaters and NGV fleet volumes for the EGD rate zone is 4,127 10<sup>3</sup>m<sup>3</sup> as detailed at Exhibit B, Tab 2, Schedule 3.<sup>2</sup> This results in an associated forecast 2024 Facility Carbon Charge cost of \$0.63 million as detailed at Exhibit B, Tab 2, Schedule 6.

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<sup>2</sup> Enbridge Gas's buildings, boiler/line heater and NGV fuel volume forecast for the EGD rate zone is based on a two-year average of consumption by location. For new buildings with no historical information, a volume estimate is used.

### 3.2 EPS Volumes

7. The EPS Volume forecast for 2024 for the EGD rate zone is 14,784 10<sup>3</sup>m<sup>3</sup> as detailed at Exhibit B, Tab 2, Schedule 3.<sup>3</sup> The corresponding forecast 2024 EPS obligation of 8,983 tCO<sub>2</sub>e results in a Facility Carbon Charge cost of \$0.72 million as detailed at Exhibit B, Tab 2, Schedules 5 and 6. Of the \$0.72 million, \$0.43 million is attributable to Enbridge Gas's regulated operations in the EGD rate zone.
8. The EPS Volume forecast is derived by combining forecasts for regulated utility and unregulated non-utility compression activity into an overall physical activity forecast. Enbridge Gas has excluded unregulated non-utility compression volumes and associated costs in deriving the Facility Carbon Charge cost to be recovered in regulated rates. The EPS Volume forecast for the EGD rate zone includes storage compression and dehydration fuel.
9. Enbridge Gas's detailed calculations of the 2024 forecast compressor emissions, total annual emissions limit, EPS compliance obligation and compressor fuel use cost for the EGD rate zone can be found at Exhibit B, Tab 2, Schedules 4 to 6.

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<sup>3</sup> This includes both utility (regulated) and non-utility (unregulated) volumes.

Enbridge Gas Inc.  
 EGD Rate Zone  
2024 Customer-Related Volumes by Rate Class (April 2024 to March 2025)  
 (10<sup>3</sup>m<sup>3</sup>)

Line No.	Rate Class	Col. 1	Col. 2	Col. 3
		Forecast Volumes <sup>1</sup>	EPS Participant & Other Exempt Volumes <sup>2</sup>	(Col. 1 - Col. 2) Net Volumes
1	1	5,023,407	1,035	5,022,372
2	6	4,792,849	86,050	4,706,799
3	9	-	-	-
4	100	33,301	-	33,301
5	110	1,159,284	463,913	695,371
6	115	368,747	362,683	6,065
7	125 <sup>3</sup>	1,000,954	1,000,954	-
8	135	57,119	-	57,119
9	145	18,683	5,438	13,245
10	170	242,338	204,912	37,426
11	200 <sup>4</sup>	187,850	187,850	-
12	300	88	-	88
Total				
13	Customer-Related	12,884,621	2,312,834	10,571,786

## Notes:

- (1) Forecast Volumes after DSM from April 1, 2024 to March 31, 2025.
- (2) Estimated forecast volumes for mandatory and voluntary participants in the Emissions Performance Standards (EPS), volumes qualifying for exemption for non-covered activities, partial relief (80%) for greenhouse operators, hydrogen volumes and Renewable Natural Gas (RNG) volumes. RNG volumes include the year 4 volumes outlined in the Voluntary RNG Program Application (EB-2020-0066) and have been allocated equally between the EGD and Union rate zones for forecasting purposes.
- (3) Dedicated unbundled customers.
- (4) Includes volumes delivered to downstream distributors and landfill gas.

Enbridge Gas Inc.  
 EGD Rate Zone  
2024 Facility-Related Volumes  
 (10<sup>3</sup>m<sup>3</sup>)

Line No.	Particulars	Col. 1	Col. 2	Col.3 (Col. 1 + Col.2)
		Utility Forecast Amount (regulated)	Non-Utility Forecast Amount (unregulated)	Total 2024 Forecast
1	Company Use - Buildings	638	-	638
2	Company Use - Boilers/Line Heaters	3,029	-	3,029
3	Company Use - NGV Fleet	460	-	460
4	Total Company Use <sup>1</sup>	4,127	-	4,127
5	Compressor Fuel <sup>2</sup>	8,869	5,915	14,784
6	Total Facility-Related	12,996	5,915	18,911

Notes:

(1) Forecast Company-Use volumes for April 1, 2024 to March 31, 2025.

(2) Forecast Compressor Fuel for January 1 to December 31, 2024.

Enbridge Gas Inc.  
EGD Rate Zone

 Table 1  
2024 Forecast Compressor Emissions

Line No.	Particulars	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5
		Volumes <sup>1</sup> (10 <sup>3</sup> m <sup>3</sup> )	CO <sub>2</sub> Emissions <sup>2</sup> (Tonnes CO <sub>2</sub> )	CH <sub>4</sub> Emissions <sup>3</sup> (Tonnes CH <sub>4</sub> )	N <sub>2</sub> O Emissions <sup>4</sup> (Tonnes N <sub>2</sub> O)	CO <sub>2</sub> e Emissions <sup>5</sup> (Tonnes CO <sub>2</sub> e)
1	Compressor Fuel & Transmission Ancillary Fuel	14,784	29,011	29	1	30,019

## Notes:

- (1) Exhibit B, Tab 2, Schedule 3, Col. 3, Line 5.
- (2) Environment and Climate Change Canada "Canada's Greenhouse Gas Quantification Requirements - December 2022", Equation 2-9.
- (3) Col. 1 x Table 2, Col. 2, Line 1 x Table 2, Col. 2, Line 2.
- (4) Col. 1 x Table 2, Col. 3, Line 1 x Table 2, Col. 3, Line 2.
- (5) Col. 2 + (Col. 3 x Table 3, Col. 1, Line 1) + (Col. 4 x Table 3, Col. 2, Line 1).

 Table 2  
Emission Factors

Line No.	Particulars	Units	Col. 1	Col. 2	Col. 3
			CO <sub>2</sub> Emission Factor	CH <sub>4</sub> Emission Factor <sup>1</sup>	N <sub>2</sub> O Emission Factor <sup>1</sup>
1	Natural Gas Pipelines	Tonne/GJ		0.00005	0.0000013
2	Heat Value <sup>2</sup>	GJ/10 <sup>3</sup> m <sup>3</sup>	39.08	39.08	39.08

## Notes:

- (1) Environment and Climate Change Canada "Canada's Greenhouse Gas Quantification Requirements - December 2022", Table 2-5.
- (2) Assumed Budget Heat Value = 39.08 GJ/10<sup>3</sup>m<sup>3</sup>. In calculating actual emissions, actual heating value will be used.

 Table 3  
Conversion Factors

Line No.	Particulars	Units	Col. 1	Col. 2
			Methane <sup>1</sup>	Nitrous Oxide <sup>1</sup>
1	Global Warming Potential for Carbon Dioxide Equivalent	Tonnes CO <sub>2</sub> e	28	265

## Notes:

- (1) Ontario Regulation 390/18: Greenhouse Gas Emissions: Quantification, Reporting and Verification, Schedule 1.



Enbridge Gas Inc.  
 EGD Rate Zone  
2024 Forecast EPS Obligation

	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
Line No.	2024 Forecast Compressor Emissions <sup>1</sup> (tCO <sub>2</sub> e)	2020 - 2022 EGI Average Emission Intensity (tCO <sub>2</sub> e/MWh)	2024 Forecast Production <sup>2</sup> (MWh)	Facility Specific Performance Standard <sup>3</sup> (tCO <sub>2</sub> e/MWh)	Total Annual Emissions Limit <sup>4</sup> (tCO <sub>2</sub> e)	EPS Compliance Obligation <sup>5</sup> (tCO <sub>2</sub> e)
1	30,019	0.63	47,658	0.44	21,035	8,983

Notes:

(1) Exhibit B, Tab 2, Schedule 4, Table 1, Col. 5.

(2) Col. 1 / Col. 2.

(3) MECP's GHG Emissions Performance Standards and Methodology for the Determination of the Total Annual Emissions Limit – December 2022, Formula 3.1.5-3.

(4) Col. 3 x Col. 4.

(5) Col. 1 - Col. 5.

Enbridge Gas Inc.  
 EGD Rate Zone  
2024 Summary of Customer-Related and Facility-Related Costs

Line No.	Particulars	2024 Forecast
<u>Customer-Related Cost Forecast</u>		
1	Customer-related Forecast Volume ( $10^3\text{m}^3$ ) <sup>(1)</sup>	10,571,786
2	Federal Carbon Charge (\$/m <sup>3</sup> ) <sup>(2)</sup>	0.1525
3	<b>Total Customer-Related Costs (\$)</b>	<b>1,612,197,420</b>
<u>Facility-Related Cost Forecast</u>		
4	Company-Use Forecast Volume ( $10^3\text{m}^3$ ) <sup>(3)</sup>	4,127
5	Federal Carbon Charge (\$/m <sup>3</sup> ) <sup>(2)</sup>	0.1525
6	Company Use Costs (\$)	629,325
7	EPS Obligation (tCO <sub>2</sub> e) <sup>(4)</sup>	8,983
8	Excess Emissions Charge (\$/tCO <sub>2</sub> e) <sup>(5)</sup>	80.00
9	Compressor Fuel Use Costs (\$)	718,658
10	Compressor Fuel Use Costs - Unregulated (\$) <sup>(6)</sup>	(287,522)
11	Compressor Fuel Use Costs - Regulated (\$)	431,135
12	<b>Total Facility Related Costs (\$)</b>	<b>1,060,460</b>
13	<b>Total Cost Forecast (\$)</b>	<b>1,613,257,880</b>

Notes:

- (1) Exhibit B, Tab 2, Schedule 2. Forecast volumes from April 1, 2024 to March 31, 2025.
- (2) Exhibit A, Table 1.
- (3) Exhibit B, Tab 2, Schedule 3, Column 1, Line 4. Forecast volumes from April 1, 2024 to March 31, 2025.
- (4) Exhibit B, Tab 2, Schedule 5. Forecast from January 1 to December 31, 2024.
- (5) EPS Regulation, Section 11.1.
- (6) Unregulated EPS costs are allocated based on pro-rata regulated/unregulated total compressor volumes per Exhibit B, Tab 2, Schedule 3.

## FORECASTS - UNION RATE ZONES

1. The purpose of this evidence is to provide Enbridge Gas's 2024 forecast of volumes and the associated forecasted costs of complying with the GGPPA and the EPS Regulation, for the Union rate zones.
2. This tab of evidence is organized as follows:
  1. Forecast 2024 Volume and Carbon Cost
  2. Forecast 2024 Customer Volumes and Federal Carbon Charge Cost
  3. Forecast 2024 Facility Volumes and Facility Carbon Charge Cost
    - 3.1. Company Use Volumes
    - 3.2. EPS Volumes

### 1. Forecast 2024 Volume and Carbon Cost

3. The Union rate zones 2024 regulated volume forecast subject to the GGPPA and EPS Regulation is 6,873,672  $10^3\text{m}^3$ .<sup>1</sup> This results in an associated forecast 2024 total cost of \$1,034.21 million. The details of this volume forecast and associated cost are included at Exhibit B, Tab 3, Schedules 2 to 6. The forecast employs the same methodologies which underpinned forecasts previously approved by the OEB. Enbridge Gas has excluded unregulated non-utility storage volumes and associated costs. Non-utility costs are those associated with Enbridge Gas's unregulated non-utility storage business.

### 2. Forecast 2024 Customer Volumes and Federal Carbon Charge Cost

4. The Union rate zones total 2024 Customer Volume forecast subject to the Federal Carbon Charge is 6,741,875  $10^3\text{m}^3$  as detailed at Exhibit B, Tab 3, Schedule 2. This results in an associated forecast 2024 Federal Carbon Charge cost of \$1,028.14 million as detailed at Exhibit B, Tab 3, Schedule 6. Enbridge Gas has included

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<sup>1</sup> Calculated as: Exhibit B, Tab 3, Schedule 2, Col. 3, Line 16 + Exhibit B, Tab 3, Schedule 3, Col. 1, Line 6.

forecast distribution volumes subject to the Federal Carbon Charge for all rate classes within the Union rate zones as detailed at Exhibit B, Tab 3, Schedule 2. The cost estimates are subject to change and are meant to be used for informational purposes only. Customers will be charged the Federal Carbon Charge monthly based on actual billed volumes.

### 3. Forecast 2024 Facility Volumes and Facility Carbon Charge Cost

5. The Union rate zones total 2024 regulated Facility Volume forecast is 131,797  $10^3\text{m}^3$  as detailed at Exhibit B, Tab 3, Schedule 3. This results in an associated forecast 2024 Facility Carbon Charge cost of \$6.08 million as detailed at Exhibit B, Tab 3, Schedule 6. Facility Volumes are composed of: (i) Company Use Volumes including distribution buildings, boilers/line heaters, and NGV fleet volumes (which are subject to the Federal Carbon Charge under Part 1 of the GGPPA); and (ii) EPS Volumes which includes compressor fuel (which is subject to the EPS as Enbridge Gas's storage and transmission system is a "covered facility" under the EPS Regulation). The forecast 2024 regulated Facility Volume and associated forecast Facility Carbon Charge cost estimates are based on the best available information at this time and are subject to change based on actual Facility Volumes.

#### 3.1 Company Use Volumes

6. The regulated Company Use Volume forecast for 2024 including distribution buildings, boilers/line heaters and NGV fleet volumes for the Union rate zones is 10,080  $10^3\text{m}^3$  as detailed at Exhibit B, Tab 3, Schedule 3.<sup>2</sup> This results in an associated forecast 2024 Facility Carbon Charge cost of \$1.54 million as detailed at Exhibit B, Tab 3, Schedule 6.<sup>3</sup>

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<sup>2</sup> Enbridge Gas's buildings, boiler/line heater and NGV fuel volume forecast for the Union rate zones is based on a two-year average of consumption by location. For new buildings with no historical information, a volume estimate is used.

<sup>3</sup> Included in the Company Use Volume forecast for 2024 is 30  $10^3\text{m}^3$  for distribution buildings associated with non-utility unregulated storage activity. Enbridge Gas has not accounted for this amount separately as it is immaterial, resulting in costs of around \$4,500.

### 3.2 EPS Volumes

7. The EPS Volume forecast for 2024 for the Union rate zones is 136,674 10<sup>3</sup>m<sup>3</sup> as detailed at Exhibit B, Tab 3, Schedule 3.<sup>4</sup> The corresponding forecast 2024 EPS obligation of 63,714 tCO<sub>2</sub>e results in a Facility Carbon Charge cost of \$5.10 million as detailed at Exhibit B, Tab 3, Schedules 5 and 6. Of the \$5.10 million, \$4.54 million is attributable to Enbridge Gas's regulated operations in the Union rate zones.
8. The EPS Volume forecast is derived by combining forecasts for regulated utility and unregulated non-utility compression activity into an overall physical activity forecast. Enbridge Gas has excluded unregulated non-utility compression volumes and associated costs in deriving the Facility Carbon Charge cost to be recovered in regulated rates. The EPS Volume forecast for the Union rate zones includes transmission compression, storage compression and dehydration fuel.<sup>5</sup>
9. Enbridge Gas's detailed calculations of the 2024 forecast compressor emissions, total annual emissions limit, EPS compliance obligation and compressor fuel use cost for the Union rate zones can be found at Exhibit B, Tab 3, Schedule 4 to 6.

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<sup>4</sup> This includes both utility (regulated) and non-utility (unregulated) volumes.

<sup>5</sup> The transmission and storage compression forecast is derived by combining forecasts for in-franchise and ex-franchise transmission and storage activity into an overall physical activity forecast. For dehydration fuel, average historical utilization is used to estimate the monthly forecasted usage.

Enbridge Gas Inc.  
 Union Rate Zone  
2024 Customer-Related Volumes by Rate Class (April 2024 to March 2025)  
 (10<sup>3</sup>m<sup>3</sup>)

Line No.	Rate Class	Col. 1	Col. 2	Col. 3 (Col. 1 - Col. 2)
		Forecast Volumes <sup>1</sup>	EPS Participant & Other Exempt Volumes <sup>2</sup>	Net Volumes
1	1	991,715	312	991,403
2	10	328,079	10,654	317,426
3	M1	3,269,019	2,404	3,266,616
4	M2	1,322,588	90,889	1,231,698
5	20	857,126	721,209	135,917
6	25	252,236	237,495	14,741
7	100	1,043,637	982,288	61,349
8	M4	588,002	224,917	363,085
9	M5	59,033	14,958	44,075
10	M7	787,495	586,773	200,722
11	M9 <sup>3</sup>	96,860	96,860	-
12	M10 <sup>3</sup>	-	-	-
13	T1	415,185	334,795	80,390
14	T2	5,144,604	5,110,151	34,454
15	T3 <sup>3</sup>	278,032	278,032	-
Total				
16	Customer-Related	15,433,612	8,691,737	6,741,875

Notes:

- (1) Forecast Volumes after DSM from April 1, 2024 to March 31, 2025.
- (2) Estimated forecast volumes for mandatory and voluntary participants in the Emissions Performance Standards (EPS), volumes qualifying for exemption for non-covered activities, partial relief (80%) for greenhouse operators, hydrogen volumes and Renewable Natural Gas (RNG) volumes. RNG volumes include the year 4 volumes outlined in the Voluntary RNG Program Application (EB-2020-0066) and have been allocated equally between the EGD and Union rate zones for forecasting purposes.
- (3) Includes volumes delivered to downstream distributors and landfill gas.

Enbridge Gas Inc.  
 Union Rate Zone  
2024 Facility-Related Volumes  
 (10<sup>3</sup>m<sup>3</sup>)

Line No.	Particulars	Col. 1	Col. 2	Col.3 (Col. 1 + Col.2)
		Utility Forecast Amount (regulated)	Non-Utility Forecast Amount (unregulated)	Total 2024 Forecast
1	Company Use - Buildings	1,977	30	2,007
2	Company Use - Boilers/Line Heaters	8,068	-	8,068
3	Company Use - NGV Fleet	35	-	35
4	Total Company Use <sup>1</sup>	10,080	30	10,110
5	Compressor Fuel <sup>2</sup>	121,717	14,957	136,674
6	Total Facility-Related	131,797	14,988	146,784

Notes:

(1) Forecast Company-Use volumes for April 1, 2024 to March 31, 2025.

(2) Forecast Compressor Fuel for January 1 to December 31, 2024.

Enbridge Gas Inc.  
 Union Rate Zone

 Table 1  
 2024 Forecast Compressor Emissions

Line No.	Particulars	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5
		Volumes <sup>1</sup> (10 <sup>3</sup> m <sup>3</sup> )	CO <sub>2</sub> Emissions <sup>2</sup> (Tonnes CO <sub>2</sub> )	CH <sub>4</sub> Emissions <sup>3</sup> (Tonnes CH <sub>4</sub> )	N <sub>2</sub> O Emissions <sup>4</sup> (Tonnes N <sub>2</sub> O)	CO <sub>2</sub> e Emissions <sup>5</sup> (Tonnes CO <sub>2</sub> e)
1	Compressor Fuel & Transmission Ancillary Fuel	136,674	268,196	267	7	277,513

## Notes:

- (1) Exhibit B, Tab 3, Schedule 3, Col. 3, Line 5.
- (2) Environment and Climate Change Canada "Canada's Greenhouse Gas Quantification Requirements - December 2022", Equation 2-9.
- (3) Col. 1 x Table 2, Col. 2, Line 1 x Table 2, Col. 2, Line 2.
- (4) Col. 1 x Table 2, Col. 3, Line 1 x Table 2, Col. 3, Line 2.
- (5) Col. 2 + (Col. 3 x Table 3, Col. 1, Line 1) + (Col. 4 x Table 3, Col. 2, Line 1).

 Table 2  
 Emission Factors

Line No.	Particulars	Units	Col. 1	Col. 2	Col. 3
			CO <sub>2</sub> Emission Factor	CH <sub>4</sub> Emission Factor <sup>1</sup>	N <sub>2</sub> O Emission Factor <sup>1</sup>
1	Natural Gas Pipelines	Tonne/GJ		0.00005	0.0000013
2	Heat Value <sup>2</sup>	GJ/10 <sup>3</sup> m <sup>3</sup>	39.08	39.08	39.08

## Notes:

- (1) Environment and Climate Change Canada "Canada's Greenhouse Gas Quantification Requirements - December 2022", Table 2-5.
- (2) Assumed Budget Heat Value = 39.08 GJ/10<sup>3</sup>m<sup>3</sup>. In calculating actual emissions, actual heating value will be used.

 Table 3  
 Conversion Factors

Line No.	Particulars	Units	Col. 1	Col. 2
			Methane <sup>1</sup>	Nitrous Oxide <sup>1</sup>
1	Global Warming Potential for Carbon Dioxide Equivalent	Tonnes CO <sub>2</sub> e	28	265

## Notes:

- (1) Ontario Regulation 390/18: Greenhouse Gas Emissions: Quantification, Reporting and Verification, Schedule 1.



Enbridge Gas Inc.  
 Union Rate Zone  
2024 Forecast EPS Obligation

	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
	2024	2020 - 2022	2024	Facility	Total	EPS
Line	Compressor	Emission	Forecast	Performance	Annual	Compliance
No.	Emissions <sup>1</sup>	Intensity	Production <sup>2</sup>	Standard <sup>3</sup>	Limit <sup>4</sup>	Obligation <sup>5</sup>
	(tCO <sub>2</sub> e)	(tCO <sub>2</sub> e/MWh)	(MWh)	(tCO <sub>2</sub> e/MWh)	(tCO <sub>2</sub> e)	(tCO <sub>2</sub> e)
1	277,513	0.57	484,388	0.44	213,799	63,714

Notes:

- (1) Exhibit B, Tab 3, Schedule 4, Table 1, Col. 5.
- (2) Col. 1 / Col. 2.
- (3) MECP's GHG Emissions Performance Standards and Methodology for the Determination of the Total Annual Emissions Limit – December 2022, Formula 3.1.5-3.
- (4) Col. 3 x Col. 4.
- (5) Col. 1 - Col. 5.

Enbridge Gas Inc.  
 Union Rate Zone  
2024 Summary of Customer-Related and Facility-Related Costs

Line No.	Particulars	2024 Forecast
	<u>Customer-Related Cost Forecast</u>	
1	Customer-related Forecast Volume (10 <sup>3</sup> m <sup>3</sup> ) <sup>(1)</sup>	6,741,875
2	Federal Carbon Charge (\$/m <sup>3</sup> ) <sup>(2)</sup>	0.1525
3	<b>Total Customer-Related Costs (\$)</b>	<b>1,028,135,918</b>
	<u>Facility-Related Cost Forecast</u>	
4	Company-Use Forecast Volume (10 <sup>3</sup> m <sup>3</sup> ) <sup>(3)</sup>	10,080
5	Federal Carbon Charge (\$/m <sup>3</sup> ) <sup>(2)</sup>	0.1525
6	Company Use Costs (\$)	1,537,236
7	EPS Obligation (tCO <sub>2</sub> e) <sup>(4)</sup>	63,714
8	Excess Emissions Charge (\$/tCO <sub>2</sub> e) <sup>(5)</sup>	80.00
9	Compressor Fuel Use Costs (\$)	5,097,144
10	Compressor Fuel Use Costs - Unregulated (\$) <sup>(6)</sup>	(557,827)
11	Compressor Fuel Use Costs - Regulated (\$)	4,539,318
12	<b>Total Facility Related Costs (\$)</b>	<b>6,076,553</b>
13	<b>Total Cost Forecast (\$)</b>	<b>1,034,212,472</b>

Notes:

- (1) Exhibit B, Tab 3, Schedule 2. Forecast volumes from April 1, 2024 to March 31, 2025.
- (2) Exhibit A, Table A-1.
- (3) Exhibit B, Tab 3, Schedule 3, Column 1, Line 4. Forecast volumes from April 1, 2024 to March 31, 2025.
- (4) Exhibit B, Tab 3, Schedule 5. Forecast from January 1 to December 31, 2024.
- (5) EPS Regulation, Section 11.1.
- (6) Unregulated EPS costs are allocated based on pro-rata regulated/unregulated total compressor volumes per Exhibit B, Tab 3, Schedule 3.

## DEFERRAL AND VARIANCE ACCOUNTS

1. The purpose of this exhibit of evidence is to address deferral and variance account matters associated with Enbridge Gas's Application. As outlined in the Application, Enbridge Gas is seeking disposition of 2022 balances in FCPP-related deferral and variance accounts, excluding the Customer Carbon Charge – Variance Accounts (CCCVAs), for each of the EGD rate zone and Union rate zones. Allocation and disposition of 2022 deferral and variance account balances is discussed in detail at Exhibit D, Tab 1, Schedule 1.
2. This exhibit of evidence is organized as follows:
  1. Established FCPP-Related Deferral and Variance Accounts
  2. 2022 FCPP-Related Deferral and Variance Account Balances
    - 2.1. 2022 Administration Costs Recorded in the Greenhouse Gas Emissions Administration Deferral Account (GGEADA)
    - 2.2. 2022 Customer-Related Costs Recorded in the Customer Carbon Charge – Variance Account (CCCVA)
    - 2.3. 2022 Facility-Related Costs Recorded in the Facility Carbon Charge – Variance Account (FCCVA)
  3. Forecast 2024 Administration Costs (for informational purposes only)

### 1. Established FCPP-Related Deferral and Variance Accounts

3. In its 2019 Application, to facilitate compliance with the GGPPA in 2019 and beyond, and ensure that the costs of compliance with the GGPPA were clearly delineated from those incurred under the Cap-and-Trade Program, Enbridge Gas requested OEB approval to establish five new deferral and variance accounts. The new accounts would record: (i) actual combined administration costs for all rate zones (effective January 1, 2019); (ii) Federal Carbon Charge cost variances between the actual costs incurred and the amount collected through rates related to the volumes delivered by Enbridge Gas for each of the EGD rate zone and Union rate zones (effective April 1, 2019); and (iii) Facility Carbon Charge cost variances between the

actual costs incurred and the amount collected through rates related to Company Use and Output-Based Pricing System (OBPS) volumes associated with Enbridge Gas's own operations for each of the EGD rate zone and the Union rate zones (effective January 1, 2019).<sup>1</sup>

4. In the OEB's Decision and Order on Enbridge Gas's 2019 Application, the OEB approved the establishment of Enbridge Gas's requested new FCPP-related deferral and variance accounts with a single exception; rather than approving a single deferral account to record the combined administration costs for all rate zones, the OEB directed that Enbridge Gas should establish two GGEADAs, one for each of the EGD rate zone and the Union rate zones.<sup>2</sup>
5. In its 2022 Application, Enbridge Gas applied to the OEB for approval to amend the wording of the FCPP-related deferral and variance accounting orders to recognize the transition from the federal OBPS to the provincial Emissions Performance Standards (EPS).<sup>3</sup> To reflect this change, Enbridge Gas requested to update the applicable account definitions to include reference to both federal and provincial regulations and update the applicable account names to remove the word "Federal", effective January 1, 2022. The OEB approved the amendments to the wording of the FCPP deferral and variance accounting orders as filed in its Decision and Order on Enbridge Gas's 2022 Application.<sup>4</sup>
6. Accordingly, Enbridge Gas's established FCPP-related deferral and variance accounts are:

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<sup>1</sup> EB-2018-0205, EGI 2019 FCPP Application, October 10, 2018, Exhibit D, Tab 1, Schedule 1, pp. 2-4.

<sup>2</sup> EB-2018-0205, OEB Decision and Order, July 4, 2019, pp. 9-10.

<sup>3</sup> EB-2021-0209, EGI 2022 FCPP Application, September 29, 2021, Exhibit C, p. 3.

<sup>4</sup> EB-2021-0209, OEB Decision and Order, February 10, 2022, p.10.

1. GGEADA – EGD Rate Zone;<sup>5</sup>
  2. GGEADA – Union Rate Zones;<sup>6</sup>
  3. CCCVA – EGD Rate Zone;<sup>7</sup>
  4. CCCVA – Union Rate Zones;<sup>8</sup>
  5. FCCVA – EGD Rate Zone;<sup>9</sup> and
  6. FCCVA – Union Rate Zones.<sup>10</sup>
7. In its 2024 Rebasing Application, Enbridge Gas proposed to harmonize the established FCPP-related deferral and variance accounts effective January 1, 2024, due to the Company being an amalgamated entity and no longer requiring separate deferral and variance accounts for the EGD and Union rate zones.<sup>11</sup> Through the Settlement Proposal, parties agreed on harmonizing the FCPP deferral and variance accounts, with one modification; the deferral account would be renamed and the scope would be limited.<sup>12</sup> The OEB approved the harmonization and changes to the FCPP deferral and variances accounts as filed in its Decision on the Settlement Proposal to Enbridge Gas's 2024 Rebasing Application.<sup>13</sup>
8. Accordingly, effective January 1, 2024, Enbridge Gas's harmonized FCPP-related deferral and variances accounts are:<sup>14</sup>

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<sup>5</sup> EGD Rate Zone Account No. 179-501, to record the administration costs associated with the impacts of federal and provincial regulations related to greenhouse gas emission requirements for Enbridge Gas within the EGD rate zone effective January 1, 2019.

<sup>6</sup> Union Rate Zones Account No. 179-422, to record the administration costs associated with the impacts of federal and provincial regulations related to greenhouse gas emission requirements for Enbridge Gas within the Union rate zones effective January 1, 2019.

<sup>7</sup> EGD Rate Zone Account No. 179-502, to record the variances between actual customer carbon costs and customer carbon costs recovered in rates for distribution volumes delivered by Enbridge Gas within the EGD rate zone effective April 1, 2019. Except for exempted customers as explained in Exhibit A.

<sup>8</sup> Union Rate Zones Account No. 179-421, to record the variances between actual customer carbon costs and customer carbon costs recovered in rates for distribution volumes delivered by Enbridge Gas within the Union rate zones effective April 1, 2019. Except for exempted customers as explained in Exhibit A.

<sup>9</sup> EGD Rate Zone Account No. 179-503, to record the variance between actual facility carbon costs and facility carbon costs recovered in rates within the EGD rate zone effective January 1, 2019.

<sup>10</sup> Union Rate Zones Account No. 179-420, to record the variance between actual facility carbon costs and facility carbon costs recovered in rates within the Union rate zones effective January 1, 2019.

<sup>11</sup> EB-2022-0200, 2024 Rebasing Application, October 31, 2022, Exhibit 9, Tab 1, Schedule 1.

<sup>12</sup> EB-2022-0200, 2024 Rebasing Application, Partial Settlement Proposal, June 28, 2023, Exhibit O1, Tab 1, Schedule 1, pp. 53-55.

<sup>13</sup> EB-2022-0200, Decision on Settlement Proposal, August 17, 2023, p.1.

<sup>14</sup> EB-2022-0200, 2024 Rebasing Application, Partial Settlement Proposal, June 28, 2023, Exhibit O1, Tab 1, Schedule 2, pp. 29-31.

1. Carbon Charges Bad Debt Deferral Account (CCBDDA) – Enbridge Gas Inc.;<sup>15</sup>
2. CCCVA – Enbridge Gas Inc.;<sup>16</sup> and
3. FCCVA – Enbridge Gas Inc.<sup>17</sup>

### 3. 2022 FCPP-Related Deferral and Variance Account Balances

9. Enbridge Gas is seeking to dispose of: 2022 administration costs of \$5.48 million in the GGEADAs and 2022 facility-related costs of \$(3.55) million in the FCCVAs.

#### 3.1 2022 Administration Costs Recorded in the GGEADA

10. As set out in Table 1, Enbridge Gas's 2022 administration costs are \$5.48 million. A description of variances to Enbridge Gas's forecast 2022 administration costs follows:

Table 1  
2022 Administration Costs (\$millions)

Cost Element	2022 Forecasted Costs <sup>18</sup>	2022 Actual Costs <sup>19</sup>			Variance
		EGD Rate Zone	Union Rate Zones	Total	
IT Billing System	0.06	-	0.06	0.06	(0.00)
Staffing Resources	0.94	0.68	0.41	1.09	0.15
Consulting and External Legal Support	0.30	0.07	0.04	0.11	(0.19)
GHG Reporting and Verification	0.05	0.03	0.02	0.05	(0.00)
Bad Debt	3.72	1.68	2.07	3.75	0.04
Other Miscellaneous Costs	0.15	0.04	0.02	0.06	(0.09)
Interest <sup>20</sup>	N/A	0.18	0.18	0.36	0.36
Total	5.21	2.68	2.80	5.48	0.26

<sup>15</sup> Enbridge Gas Inc. Account No. 179-309, to record all of the bad debt related to carbon charges.

<sup>16</sup> Enbridge Gas Inc. Account No. 179-308, to record the variance between actual customer carbon costs and the customer carbon costs recovered in rates.

<sup>17</sup> Enbridge Gas Inc. Account No. 179-307, to record the variance between actual facility carbon costs and facility carbon costs recovered in rates.

<sup>18</sup> EB-2021-0209, EGI 2022 FCPP Application, September 29, 2021, Exhibit C, p. 4 and an update to the forecast 2022 staffing resources and bad debt through an interrogatory response at Exhibit I.EP.3, Table 2.

<sup>19</sup> Composed of actual 2022 costs from January to December 2022.

<sup>20</sup> Enbridge Gas did not include a 2022 forecast cost for interest.

11. Shared administration costs set out in Table 1, including costs related to: staffing resources, consulting and external legal support, GHG reporting and verification and other miscellaneous costs, have been allocated to the EGD rate zone and Union rate zones in proportion to actual customers' consumption volumes subject to the Federal Carbon Charge from January 1, 2022 to December 31, 2022.<sup>21</sup> Unique administration costs set out in Table 1 that are attributable to a particular rate zone, including costs related to IT billing systems and bad debt, have been allocated to that respective rate zone accordingly. Each of the cost categories set out in Table 1 is further discussed below.

12. In the OEB's Decision and Order on Enbridge Gas's 2023 Application, the OEB determined that the 2021 level of administration costs were sufficient, specifically in the areas of staffing resources, consulting and external legal support and other miscellaneous costs.<sup>22</sup> In 2021, the total cost related to these three administrative areas was \$1.49 million.<sup>23</sup> In 2022, the total cost of these three administrative areas was \$1.31 million, reflecting a decrease of \$0.18 million below the approved costs included in the OEB's direction in the Decision and Order.

### ***IT Billing System Costs***

13. In its 2022 Application, Enbridge Gas forecast IT billing system costs of \$0.06 million related to the revenue requirement associated with the additional billing system modification required in 2020 for the Union rate zones to comply with the GGPPA.<sup>24</sup>

14. The actual IT billing system costs for 2022 were \$0.06 million, all of which was related to the revenue requirement for the additional billing system modifications required for the Union rate zones.

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<sup>21</sup> Approximately 63% of customer consumption volumes were attributable to the EGD rate zone and 37% of customer consumption volumes were attributable to the Union rate zones.

<sup>22</sup> EB-2022-0194, OEB Decision and Order, February 9, 2023, pp. 9-10.

<sup>23</sup> EB-2022-0194, EGI 2023 FCPP Application, September 29, Exhibit C, Tab 1, Schedule 1, p.4. GHG Reporting and Verification costs have been included in the \$1.49 million as these costs are a category of consulting costs.

<sup>24</sup> EB-2021-0209, EGI 2022 FCPP Application, September 29, 2021, Exhibit C, p. 10.

### **Staffing Resources**

15. In its 2022 Application, Enbridge Gas updated its 2022 staffing resources forecast to be \$0.94 million for salaries and wages, which included fully allocated costs for the five full time equivalents (FTEs) that comprised the Carbon Strategy team at that time, plus one additional half FTE.<sup>25</sup>
16. Actual salaries and wages costs incurred in 2022 were \$1.09 million. Staffing and wages costs were higher than forecast due to the Carbon Strategy team averaging 6.5 FTEs throughout 2022, one more than the 5.5 FTEs forecast. The increase in number of FTE's in 2022, reflects the resource requirements to facilitate compliance with the GGPPA and EPS Regulation, as well as supporting the Company in understanding and responding to new federal and provincial regulations related to GHG emission reductions.
17. The roles and responsibilities of the 6.5 FTEs that comprised the Carbon Strategy team in 2022 are outlined in the interrogatory response to Exhibit I.STAFF.5 of the 2023 Application.<sup>26</sup> While the individuals on the Carbon Strategy team are not solely allocated to work related to Enbridge Gas's carbon pricing obligations, each individual is allocated solely to work associated with the impacts of federal and provincial regulations related to GHG emissions requirements for Enbridge Gas. All of the FTEs in the Carbon Strategy team are incremental to what is included in base rates. These roles and responsibilities fit within the GGEADA definition of, "To record, as a debit (credit) in Deferral Account No. 179-501, the Administration costs associated with the impacts of federal and provincial regulations related to greenhouse gas emission requirements" as approved in the 2022 Application.<sup>27</sup>
18. In addition to the current federal and provincial climate policies that impact Enbridge Gas, such as the GGPPA and the EPS Regulation, the need to act against climate

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<sup>25</sup> EB-2021-0209, EGI 2022 FCPP Application, Interrogatory Responses, Exhibit I.STAFF.4.

<sup>26</sup> EB-2022-0194, EGI 2023 FCPP Application, Interrogatory Responses, Exhibit I.STAFF.5.

<sup>27</sup> EB-2021-0209, EGI 2022 FCPP Application, September 29, 2021, Exhibit C, Attachment 1, p.3.



change has led the federal and provincial governments to develop climate targets, plans, policies and regulations to reduce GHG emissions and transition to a low-carbon economy, which may impact the Company's business.<sup>28</sup> As this is a time of rapid policy evolution at both levels of government, Enbridge Gas expects that new climate policies and regulations will be coming into place. To stay abreast of the emerging and evolving government actions, individuals on the Carbon Strategy team are responsible for analysing the immediate or future impacts of developing federal and provincial regulations related to GHG emissions, climate change and energy transition on Enbridge Gas's operations.

### ***Consulting and External Legal Support***

19. In its 2022 Application, Enbridge Gas forecast consulting and external legal support costs of \$0.30 million for 2022.<sup>29</sup> Actual consulting and external legal support costs incurred in 2022 were \$0.11 million. Consulting and external legal support costs were lower than forecast due to Enbridge Gas leveraging existing internal FTE resources where applicable and utilizing the credit procurement work completed in 2021 for credit transactions completed in 2022.

### ***GHG Reporting and Verification***

20. In its 2022 Application, Enbridge Gas forecast costs of \$0.05 million for GHG reporting and verification of its 2021 OBPS emissions, completed in 2022.<sup>30</sup> Actual GHG reporting and verification costs incurred in 2022 were \$0.05 million, all of which was related to the verification of its 2021 OBPS report by a third-party auditor as required under the OBPS Regulations.

### ***Bad Debt***

21. In its 2022 FCPP Application, Enbridge Gas updated its 2022 bad debt forecasts as

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<sup>28</sup> Refer to EB-2022-0200, Exhibit 1, Tab 10, Schedule 6, pp. 1-13 for emerging climate change and energy transition policies by the federal and provincial governments.

<sup>29</sup> EB-2021-0209, EGI 2022 FCPP Application, September 29, 2021, Exhibit C, p. 11.

<sup>30</sup> EB-2021-0209, EGI 2022 FCPP Application, September 29, 2021, Exhibit C, pp. 11-12.

there was an update to the forecasting methodology.<sup>31</sup> The bad debt cost forecasts were updated to \$3.72 million for 2022.<sup>32</sup> Actual bad debt costs incurred in 2022 were \$3.75 million.

22. As outlined in EB-2021-0209, Exhibit I.VECC.7, the bad debt forecasting methodology distinguishes FCPP-related bad debt from “regular” bad debt by taking a percentage of the total Company bad debt based on the percentage of the total bill related to FCPP. The contributing factor to the forecast variance is an increase in actual total Company bad debt from what was forecast.
23. The \$3.75 million represents total 2022 bad debt related to the Federal Carbon Charge, with no amount removed due to COVID-19 impacts. Since the start of the COVID-19 pandemic in 2020, bad debt has increased for reasons that go beyond COVID-19 impacts; for example, the annual increase in Federal Carbon Charge rate in proportion to the total bill, and the year-over-year increase in total bad debt as a function of historic arrear balances, bankruptcy, gas prices, unemployment, inflation and general economic factors. Due to these factors impacting bad debt by varying degrees, it is not possible to isolate the bad debt increases as a function of a single cause and then translate that into a specific dollar amount of impact, whether that be due to COVID-19 impacts or any other general economic impacts. Therefore, Enbridge Gas is unable to segregate COVID-19 impacts from the regular FCPP-related bad debt allocated to the 2022 GGEADAs.

### ***Other Miscellaneous Costs***

24. In its 2022 Application, Enbridge Gas forecast 2022 other miscellaneous costs of \$0.15 million associated with customer outreach and communications, training, conferences, travel expenses, memberships and subscriptions associated with the GGPPA, EPS Regulation or other GHG or carbon pricing programs.<sup>33</sup> Actual other

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<sup>31</sup> EB-2021-0209, EGI 2022 FCPP Application, Interrogatory Responses, Exhibit I.VECC.7.

<sup>32</sup> EB-2021-0209, EGI 2022 FCPP Application, Interrogatory Responses, Exhibit I.VECC.7, p. 2.

<sup>33</sup> EB-2021-0209, EGI 2022 FCPP Application, September 29, 2021, Exhibit C, p. 12.

miscellaneous costs incurred in 2022 were \$0.06 million. To adapt to the COVID-19 emergency, internal and external events were able to proceed virtually which limited costs related to activities such as travel and conferences, therefore reducing actual miscellaneous costs. Enbridge Gas also leveraged existing customer communication pathways, such as QRAM bill inserts, mass emails, webpages, and social media to communicate to customers regarding the FCPP, thus reducing actual 2022 costs related to customer communications.

### 3.2 2022 Customer-Related Costs Recorded in the CCCVA

25. Enbridge Gas tracks the difference between the Federal Carbon Charge amount collected through rates and the actual costs incurred in the CCCVA for each of the EGD rate zone and the Union rate zones. Enbridge Gas's customer-related obligation for January 1, 2022 to December 31, 2022 was \$1,481.53 million.
26. Enbridge Gas has recorded a 2022 customer-related variance of four thousand, nine hundred and twenty four dollars and thirty-seven cents (\$4,924.37) in the CCCVAs, including four thousand and forty-five dollars and thirty-four cents (\$4,045.34) for the EGD rate zone and eight hundred and seventy-nine dollars and three cents (\$879.03) for the Union rate zones. This reflects a variance between the amount of revenue billed through the Federal Carbon Charge and the subsequent amount Enbridge Gas remitted to the CRA.
27. The variances recorded are due to deliveries of renewable natural gas (RNG) and hydrogen to customers in 2022, through the Company's OptUp program and Low Carbon Energy Project (LCEP), respectively. Under the GGPPA and Fuel Charge Regulations, RNG and hydrogen are not subject to the Federal Carbon Charge.
28. Due to billing system functionality constraints, Enbridge Gas cannot reduce the Federal Carbon Charge only on the portion of a system supply customer's bill that is RNG or hydrogen. Given the limited quantity of exempt fuels delivered to customers to date, modifying the billing system to implement this functionality would

significantly increase administrative complexity and costs, for limited economic benefit to customers. Thus, Enbridge Gas applies the Federal Carbon Charge to all volumes of gas delivered to customers, including on the RNG and hydrogen volumes. As RNG and hydrogen delivered by Enbridge Gas reduces the Company's Federal Carbon Charge obligations and subsequent remittance to the CRA, any variance between the Federal Carbon Charges remitted to the CRA and the amount charged to customers are tracked in the CCCVAs, to be disposed to all customers subject to the Federal Carbon Charge.<sup>34</sup>

29. The variances are minor due to lower-than-expected participation in the OptUp program, leading to Enbridge Gas only procuring a small amount of RNG in 2022. Additionally, hydrogen was not considered exempt from the Federal Carbon Charge until mid-2022, therefore limiting the hydrogen volumes eligible for exemption.
30. Due to the small balances in the CCCVAs, Enbridge Gas is proposing to defer disposition until the balances become substantial enough to allow for generation of a unit rate that could credit customers. Enbridge Gas forecasts that a balance of approximately \$25,000 (approximately \$15,000 for the EGD rate zone and approximately \$10,000 for the Union rate zones) would be required in order to generate a unit rate.

### 3.3 2022 Facility-Related Costs Recorded in the FCCVA

31. As set out in Exhibit A, Tab 2, Schedule 1, Enbridge Gas's facility-related volumes and associated costs are composed of Company Use Volumes (facilities which are not covered under the EPS) and EPS Volumes from January 1, 2022 to December 31, 2022. Enbridge Gas's 2022 facility-related obligation was \$4.42 million (\$1.52 million related to Company Use Volumes and \$2.91 million related to EPS Volumes), of which \$4.05 million is attributable to Enbridge Gas's regulated utility operations.

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<sup>34</sup> EB-2020-0066, Decision and Order, September 24, 2020, pp. 16-17.

32. Enbridge Gas has recorded a 2022 facility-related variance of \$(3.55) million in the FCCVAs, including \$(0.29) million for the EGD rate zone and \$(3.26) million for the Union rate zones.<sup>35</sup> This reflects a variance between the actual and forecast facility-related costs, and a variance in the amount of revenue billed through the Facility Carbon Charge, due to a difference in Customer Volumes realized.
33. Through an interrogatory response at Exhibit I.STAFF.7 of the 2023 Application, Enbridge Gas explained that there was an error in forecasting the 2021 company own use volumes due to the incorrect heating degree day factors being used, which led to increased company use forecasts. This error extended to the 2022 company use volume forecasts filed in the 2022 Application, thus causing the actual 2022 company use volumes to be much lower than forecast.<sup>36</sup> Enbridge Gas has updated the 2022 company use forecasts in order to show a more accurate representation of the variance. Table 2 below shows the variance related to the difference between 2022 forecast regulated facility-related volumes and actual regulated facility-related volumes for 2022.

Table 2<sup>37</sup>  
2022 Regulated Facility-Related Volumes/Emissions and Costs

	Updated 2022 Forecasted Volumes & Emissions	Updated 2022 Forecasted Costs (\$millions)	2022 Actual Volumes & Emissions	2022 Actual Costs (\$millions)	Variance (\$millions)
Company Use	16,521 10 <sup>3</sup> m <sup>3</sup>	1.45	17,266 10 <sup>3</sup> m <sup>3</sup>	1.51	0.06
EPS	76,193 tCO <sub>2</sub> e	3.81	50,811 tCO <sub>2</sub> e	2.54	(1.27)
Total	-	5.26	-	4.05	(1.21)

<sup>35</sup> This variance reflects consideration of: (i) applying the Federal Carbon Charge Rate for Marketable Natural Gas of 7.83 ¢/m<sup>3</sup> from January 1, 2022 – March 31, 2022 and 9.79 ¢/m<sup>3</sup> from April 1, 2022 to December 31, 2022 set out in Exhibit A, Tab 2, Schedule 1, Table 1 to actual Company Use Volumes of natural gas consumed in the operation of Enbridge Gas's facilities from January 1, 2022 to December 31, 2022; (ii) Enbridge Gas's 2022 EPS obligation of \$2.54 million related to regulated utility operations for the January 1, 2022 to December 31, 2022 period; (iii) actual billed amounts for the January 1, 2022 to December 31, 2022 period; and (iv) interest of approximately \$(0.39) million.

<sup>36</sup> The regulated company use volume forecast, filed in Enbridge Gas's 2022 Application, was 27,781 10<sup>3</sup>m<sup>3</sup>.

<sup>37</sup> Only volumes/emissions and associated costs related to regulated utility operations are included.

34. The main driver of the \$(1.21) million variance is related to the difference between 2022 forecast regulated EPS emissions and actual regulated EPS emissions. This was due to lower than forecast EPS compressor fuel volumes, and a reduction to the actual 2022 emissions intensity (tCO<sub>2e</sub>/MWh) related to transmission and storage operations, resulting in fewer EPS emissions and therefore a lower compliance obligation.

#### 4. Forecast 2024 Administration Costs

35. In Enbridge Gas's 2024 Rebasing Application, the Company proposed to consolidate the two GGEADAs into one Enbridge Gas account and recover administrative costs associated with current federal and provincial regulations related to GHG emissions requirements through 2024 base rates, except for bad debt.<sup>38</sup> Enbridge Gas forecasted that these 2024 administrative costs, exclusive of bad debt, previously captured in the GGEADAs will total \$1.4 million.<sup>39</sup>

36. In the Settlement Proposal to Enbridge Gas's 2024 Rebasing Application, parties agreed to consolidating the GGEADAs into a single Enbridge Gas account, on the condition the GGEADA be renamed the CCBDDA and the scope of the account be limited to recording bad debt costs associated with carbon charges.<sup>40</sup> The OEB approved of these account modifications, effective January 1, 2024, in its Decision on the Settlement Proposal.<sup>41</sup>

37. Therefore, starting in 2024, Enbridge Gas will only record FCPP-related bad debt costs in the CCBDDA. Accordingly, Enbridge Gas has provided a forecast for the 2024 bad debt costs for informational purposes only and will seek recovery of its actual 2024 bad debt costs in a future proceeding.

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<sup>38</sup> EB-2022-0200, 2024 Rebasing Application, October 31, 2022, Exhibit 9, Tab 1, Schedule 2, p. 25.

<sup>39</sup> EB-2022-0200, 2024 Rebasing Application, Interrogatory Responses, March 8, 2023, Exhibit I.9.1-STAFF-251.

<sup>40</sup> EB-2022-0200, 2024 Rebasing Application, Partial Settlement Proposal, June 28, 2023, Exhibit O1, Tab 1, Schedule 1, pp. 53-55.

<sup>41</sup> EB-2022-0200, Decision on Settlement Proposal, August 17, 2023, p.1.

Table 3  
Forecast 2024 Bad Debt Costs

Cost Element	2024 Total Forecast Costs (\$millions)
Bad Debt	8.80

38. Enbridge Gas estimates that it will incur approximately \$8.80 million in incremental bad debt expenses in 2024 based on forecasted costs recoverable from customers as a result of the GGPPA and EPS Regulation, as set out in Exhibit B, Tab 1, Schedule 1. While Enbridge Gas has included total 2024 forecast bad debt costs in Table 3, only actual bad debt related to the GGPPA and EPS Regulation will be recorded in the CCBDDA.

## COST RECOVERY

1. The purpose of this exhibit is to support Enbridge Gas's request to update the impacts of the GGPPA and EPS Regulation in rates for the EGD and Union rate zones, effective April 1, 2024 and to address the proposed allocation and disposition of Enbridge Gas's 2022 FCPP-related deferral and variance account balances, as described at Exhibit C, Tab 1, Schedule 1. Accordingly, Enbridge Gas requests approval of: (i) the proposed rate changes on a final basis, effective April 1, 2024; and (ii) the allocation and disposition of the 2022 FCPP-related deferral and variance account balances, excluding the Customer Carbon Charge – Variance Accounts (CCCVAs), to be disposed of in the first available QRAM following an OEB decision as early as April 1, 2024.<sup>1</sup>
  
2. This exhibit of evidence is organized as follows:
  1. 2024 FCPP-Related Unit Rates
    - 1.1 2024 Federal Carbon Charge
    - 1.2 2024 Facility Carbon Charge
    - 1.3 2024 Administration Costs
    - 1.4 Bill Impacts of Carbon Charges
  2. 2022 Deferral and Variance Account Balances
    - 2.1 2022 CCCVA
    - 2.2 2022 FCCVA
    - 2.3 2022 GGEADA
    - 2.4 Proposed Disposition of Deferral and Variance Account Balances
    - 2.5 Bill Impacts of Deferral and Variance Account Disposition

Supporting schedules and appendices:

- Exhibit D, Tab 2, Schedules 1 to 5: Cost Recovery - EGD Rate Zone
- Exhibit D, Tab 3, Schedules 1 to 5: Cost Recovery - Union Rate Zones

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<sup>1</sup> Refer to Exhibit C, Tab 1, Schedule 1 for more information on the proposal to defer disposition of the CCCVAs.



### 1. 2024 FCPP-Related Unit Rates

3. Under the GGPPA, Enbridge Gas is required to remit payment of the Federal Carbon Charge to the Government of Canada for volumes delivered to its customers and for Company Use Volumes. Enbridge Gas is also required to remit payment for any excess emissions related to EPS volumes. These costs will be recovered from customers through the Federal Carbon Charge and Facility Carbon Charge unit rates, respectively.
4. The Federal Carbon Charge and Facility Carbon Charge unit rates are summarized at Exhibit D, Tab 2, Schedule 1, page 3 for the EGD rate zone and at Exhibit D, Tab 3, Schedule 1, page 3 for the Union rate zones. A summary of the Federal Carbon Charge and Facility Carbon Charge unit rates by rate class for the EGD rate zone is provided at Exhibit D, Tab 2, Schedule 1, pages 4 to 5.

#### 1.1 2024 Federal Carbon Charge

5. Effective April 1, 2024, Enbridge Gas proposes to increase the Federal Carbon Charge from 12.3900 ¢/m<sup>3</sup> (or \$65/tCO<sub>2e</sub>) to 15.2500 ¢/m<sup>3</sup> (or \$80/tCO<sub>2e</sub>), as outlined in the GGPPA and set out at Exhibit A, Tab 2, Schedule 1, Table 1.<sup>2</sup>
6. The Federal Carbon Charge is applicable to distribution customers in all rate zones. Entities that are exempt under Part 1 of the GGPPA will not be charged the Federal Carbon Charge. Further, Enbridge Gas will apply 20% of the Federal Carbon Charge to distribution volumes for eligible commercial greenhouse customers, resulting in 80% greenhouse relief. The Federal Carbon Charge is shown as a separate line item on customers' bills, where applicable.
7. Enbridge Gas will track the difference between the Federal Carbon Charge amount collected through rates and the actual costs incurred in the CCCVA.

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<sup>2</sup> The GGPPA, Schedule 2 and Schedule 4, <https://laws-lois.justice.gc.ca/PDF/G-11.55.pdf>.

8. The Federal Carbon Charge customer-related forecast volumes and costs by rate class for the April 1, 2024 to March 31, 2025 period is set out at Exhibit D, Tab 2, Schedule 1, page 1 for the EGD rate zone and at Exhibit D, Tab 3, Schedule 1, page 1 for the Union rate zones.

### 1.2 2024 Facility Carbon Charge

9. Enbridge Gas incurs costs of compliance with the GGPPA and EPS Regulation that are associated with its own operations. Enbridge Gas's Facility Carbon Charge costs are incurred in relation to both Company Use Volumes (generated from distribution buildings, boilers/line heaters and NGV fleet volumes) and EPS Volumes (generated from compressor fuel volumes). The total estimated Facility Carbon Charge cost for the April 1, 2024 to March 31, 2025 time period is \$7.137 million; \$1.060 million for the EGD rate zone and \$6.077 million for the Union rate zones, as detailed at Exhibit B, Tab 2, Schedule 1 and at Exhibit B, Tab 3, Schedule 1 respectively.
10. Enbridge Gas recovers Facility Carbon Charge costs from rate classes based on in-franchise delivery volumes and ex-franchise transportation volumes. All customers in each rate class are responsible for the Facility Carbon Charge costs, regardless of whether the customer is exempt from the Federal Carbon Charge. Enbridge Gas adds the Facility Carbon Charge to the current approved delivery or transportation charges on customers' bills.
11. A common Facility Carbon Charge was approved by the Board in its Decision and Order for the Company's 2023 Application to be implemented with the January 1, 2024 QRAM.<sup>3</sup> Effective April 1, 2024, Enbridge Gas is proposing to decrease the common Facility Carbon Charge from 0.0159 ¢/m<sup>3</sup> to 0.0143 ¢/m<sup>3</sup>. When expressed in \$/GJ, the Facility Carbon Charge remains unchanged at \$0.004/GJ. The derivation of the 2024 Facility Carbon Charge is detailed at Exhibit D, Tab 2, Schedule 1 and Exhibit D, Tab 3, Schedule 1.

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<sup>3</sup> EB-2022-0194 Decision and Order, February 9, 2023, pp. 7 – 8.

12. As filed in the 2023 Application, Enbridge Gas will track the difference between the amount collected through rates and the actual costs incurred in the FCCVA.

### 1.3 2024 Administration Costs

13. Administration costs incurred in 2024 will be recorded in the CCBDDA and disposed of in a future proceeding, as described at Exhibit A, Tab 2, Schedule 1 and Exhibit C, Tab 1, Schedule 1.

### 1.4 Bill Impacts of Carbon Charges

14. For the EGD rate zone, the bill impact of the 2024 carbon charges for a typical residential customer with annual consumption of 2,400 m<sup>3</sup> is \$366.35 per year, which is an increase of \$68.79 per year over 2023. Exhibit D, Tab 2, Schedule 2 details customer bill impacts for the EGD rate zone relative to October 1, 2023 QRAM rates (EB-2023-0211).

15. For the Union rate zones, the bill impact of the 2024 carbon charges for a typical residential customer with annual consumption of 2,200 m<sup>3</sup> is \$335.83 per year, which is an increase of \$62.91 per year over 2023. Exhibit D, Tab 3, Schedule 2 details customer bill impacts for the Union rate zones relative to October 1, 2023 QRAM rates (EB-2023-0211).

## 2. 2022 Deferral and Variance Account Balances

16. Enbridge Gas is requesting approval of the allocation and disposition of the 2022 final balances in its GGEADA and FCCVA for each of the EGD and Union rate zones. Although there are small balances in the CCCVAs for both the EGD and Union rate zones, Enbridge Gas is proposing to defer disposition until the balances are larger. A description of 2022 FCPP-related deferral and variance account balances is provided at Exhibit C, Tab 1, Schedule 1. The deferral and variance account balances are provided at Exhibit D, Tab 2, Schedule 3 for the EGD rate zone and at Exhibit D, Tab 3, Schedule 3 for the Union rate zones.

### 2.1 2022 CCCVA

17. As per Exhibit C, Tab 1, Schedule 1, Enbridge Gas proposes to defer disposition of the CCCVA balances.

### 2.2 2022 FCCVA

18. Enbridge Gas proposes to allocate FCCVA balances to rate classes in proportion to actual in-franchise distribution and ex-franchise transportation volumes from January 1, 2022 to December 31, 2022. Unit rates for disposition are derived using actual volumes for the January 1, 2022 to December 31, 2022 time period. The methodology to derive the allocation and disposition unit rates is the same for the EGD and Union rate zones.

### 2.3 2022 GGEADA

19. Enbridge Gas proposes to allocate GGEADA balances to rate classes in proportion to the number of customers for the EGD rate zone and 2013 OEB-approved administrative and general expenses for the Union rate zones. The proposed allocation methodologies for each rate zone are consistent with the allocations approved in the disposition of Enbridge Gas's 2021 FCPP-related deferral and variance account balances (EB-2022-0194). Unit rates for disposition are derived using actual volumes for the January 1, 2022 to December 31, 2022 time period. The methodology to derive the disposition unit rates is the same for the EGD and Union rate zones.

### 2.4 Proposed Disposition of Deferral and Variance Account Balances

20. Enbridge Gas proposes to dispose of the balances with a one-time billing adjustment recovered in one month for all customers in the EGD and the Union rate zones.

21. Enbridge Gas proposes to dispose of the approved 2022 FCPP-related deferral and variance account balances with the first QRAM application following the OEB's approval, as early as April 1, 2024. Unit rates for disposition can be found at

Exhibit D, Tab 2, Schedule 4 for the EGD rate zone and at Exhibit D, Tab 3, Schedule 4 for the Union rate zones.

2.5 Bill Impacts of Deferral and Variance Account Disposition

22. For the EGD rate zone, the bill impact of the proposed deferral and variance account balance disposition for a typical residential customer with annual consumption of 2,400 m<sup>3</sup> is \$1.12. Exhibit D, Tab 2, Schedule 5 details the customer bill impacts for the EGD rate zone.

23. For the Union rate zones, the bill impact of the proposed deferral and variance account balance disposition for a typical residential customer with annual consumption of 2,200 m<sup>3</sup> is \$0.81 for customers in the Union South rate zone and \$1.06 for customers in the Union North rate zone. Exhibit D, Tab 3, Schedule 5 details customer bill impacts for the Union rate zones.

ENBRIDGE GAS INC.  
 EGD Rate Zone

TABLE 1: 2024 CUSTOMER-RELATED VOLUMES AND DERIVATION OF FEDERAL CARBON CHARGE UNIT RATE

	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
Line	Rate	Forecast Volumes <sup>1</sup> (10 <sup>3</sup> m <sup>3</sup> )	Less: Transportation Volumes (10 <sup>3</sup> m <sup>3</sup> )	Customer-Related Forecast Volumes <sup>2</sup> (10 <sup>3</sup> m <sup>3</sup> )	EPS Participant & Other Exempt Volumes <sup>3</sup> (10 <sup>3</sup> m <sup>3</sup> )	Net Volumes <sup>4</sup> (10 <sup>3</sup> m <sup>3</sup> )	Federal Carbon Charge <sup>5</sup> (\$/m <sup>3</sup> )	Federal Carbon Cost <sup>6</sup> (\$)	Federal Carbon Charge Unit Rate <sup>7</sup> (¢/m <sup>3</sup> )
1.1	1	5,023,407	0	5,023,407	1,035	5,022,372	0.1525	765,911,788	
1.2	6	4,792,849	0	4,792,849	86,050	4,706,799	0.1525	717,786,895	
1.3	9	0	0	0	0	0	0.1525	0	
1.4	100	33,301	0	33,301	0	33,301	0.1525	5,078,426	
1.5	110	1,159,284	0	1,159,284	463,913	695,371	0.1525	106,044,034	
1.6	115	368,747	0	368,747	362,683	6,065	0.1525	924,841	
1.7a	125	1,000,954	0	1,000,954	1,000,954	0	0.1525	0	
1.8	135	57,119	0	57,119	0	57,119	0.1525	8,710,663	
1.9	145	18,683	0	18,683	5,438	13,245	0.1525	2,019,894	
1.10	170	242,338	0	242,338	204,912	37,426	0.1525	5,707,427	
1.11	200	187,850	0	187,850	187,850	0	0.1525	0	
1.12	300	88	0	88	0	88	0.1525	13,452	
1.13	332	2,254,826	2,254,826	0	0	0	0.1525	0	
1	Total	15,139,447	2,254,826	12,884,621	2,312,834	10,571,786		1,612,197,420	15.2500

Notes:

- (1) Exhibit B, Tab 2, Schedule 2, Col. 1 + Rate 332 forecast volume.  
 (2) Col. 1 - Col. 2.  
 (3) Exhibit B, Tab 2, Schedule 2, Col. 2.  
 (4) Col. 3 - Col. 4.  
 (5) Exhibit B, Tab 2, Schedule 6, Line 2.  
 (6) Col. 5 x Col. 6 x 1000.  
 (7) (Col. 7 / (Col. 5 x 1000)) x 100.

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ENBRIDGE GAS INC.  
 EGD Rate Zone  
TABLE 2: DERIVATION OF 2024 FACILITY CARBON CHARGE

Line No.	Particulars	Col. 1 Enbridge Gas Combined
1	Total Facility Carbon Cost (\$000's)	7,137 <sup>1</sup>
2	2024 Forecast Volumes (10 <sup>3</sup> m <sup>3</sup> )	49,923,705 <sup>2</sup>
3	Facility Carbon Charge (cents / m <sup>3</sup> ) (line 1 / line 2 * 100)	0.0143
4	Facility Carbon Charge (\$/GJ) (line 3 / Heat Value * 10) <sup>x</sup>	0.004 <sup>3</sup>

Notes:

- (1) Exhibit B, Tab 2, Schedule 6, Line 12/1000 + Exhibit B, Tab 3, Schedule 6, Line 12/1000
- (2) Exhibit D, Tab 2, Schedule 1, Page 1, Column 1, Line 1 + Exhibit D, Tab 3, Schedule 1, Column (a), Line 25
- (3) Per Exhibit D, Tab 1, Schedule 1, the common Facility Carbon Charge is applicable to all customers.  
 Conversion to GJs based on heat value adjustment of 39.17 GJ/10<sup>3</sup>m<sup>3</sup>.

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ENBRIDGE GAS INC.  
 EGD Rate Zone  
TABLE 3: 2024 CARBON CHARGE UNIT RATE SUMMARY

Line	Unit Rate	Col. 1
	( $\phi/m^3$ )	
1 Federal Carbon Charge	15.2500	1
2 Facility Carbon Charge	0.0143	2
3 Total	15.2643	3

Notes:  
 (1) Table 1, Line 1, Col. 8.  
 (2) Table 2, Line 3, Col. 1.  
 (3) Line 1 + Line 2.



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ENBRIDGE GAS INC.  
 EGD Rate Zone

TABLE 4: 2024 CARBON CHARGE UNIT RATE BY RATE CLASS

Rate Class		(¢/m <sup>3</sup> )
Rate 1	Federal Carbon Charge (If Applicable)	15.2500
	Facility Carbon Charge	0.0143
Rate 6	Federal Carbon Charge (If Applicable)	15.2500
	Facility Carbon Charge	0.0143
Rate 9	Federal Carbon Charge (If Applicable)	15.2500
	Facility Carbon Charge	0.0143
Rate 100	Federal Carbon Charge (If Applicable)	15.2500
	Facility Carbon Charge	0.0143
Rate 110	Federal Carbon Charge (If Applicable)	15.2500
	Facility Carbon Charge	0.0143
Rate 115	Federal Carbon Charge (If Applicable)	15.2500
	Facility Carbon Charge	0.0143
Rate 125	Federal Carbon Charge (If Applicable)	15.2500
	Facility Carbon Charge	0.0143
Rate 135	Federal Carbon Charge (If Applicable)	15.2500
	Facility Carbon Charge	0.0143
Rate 145	Federal Carbon Charge (If Applicable)	15.2500
	Facility Carbon Charge	0.0143

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Rate Class		(¢/m <sup>3</sup> )
Rate 170	Federal Carbon Charge (If Applicable)	15.2500
	Facility Carbon Charge	0.0143
Rate 200	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0143
Rate 300	Federal Carbon Charge (If Applicable)	15.2500
	Facility Carbon Charge	0.0143
Rate 300 Interruptible	Federal Carbon Charge (If Applicable)	15.2500
	Facility Carbon Charge	0.0143
Rate 315	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0143
Rate 316	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0143
Rate 320	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0000
Rate 325	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0143
Rate 330	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0143
Rate 331	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0143
Rate 332	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0143

EGD RATE ZONE

**ANNUAL BILL COMPARISON - RESIDENTIAL CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR NON-EPS PARTICIPANTS AND RIDER K BILL 32**

(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
		<b>Heating &amp; Water Htg.</b>				<b>Heating, Water Htg. &amp; Other Uses</b>			
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>	
				(A) - (B)	%			(A) - (B)	%
1.1	VOLUME	m <sup>3</sup> 3,064	3,064	0	0.0%	4,691	4,691	0	0.0%
1.2	CUSTOMER CHG.	\$ 274.56	274.56	0.00	0.0%	274.56	274.56	0.00	0.0%
1.3	DISTRIBUTION CHG.	\$ 288.67	288.47	0.20	0.1%	435.22	434.92	0.30	0.1%
1.4	LOAD BALANCING	§ \$ 178.09	178.09	0.00	0.0%	272.66	272.66	0.00	0.0%
1.5	SALES COMMDTY	\$ 404.36	404.36	0.00	0.0%	619.08	619.08	0.00	0.0%
1.6	FEDERAL CARBON CHARGE	\$ 467.26	379.63	87.63	23.1%	715.38	581.21	134.16	23.1%
1.7	TOTAL SALES	\$ 1,612.94	1,525.11	87.83	5.8%	2,316.89	2,182.43	134.46	6.2%
1.8	TOTAL T-SERVICE	\$ 1,208.58	1,120.75	87.83	7.8%	1,697.81	1,563.35	134.46	8.6%

		<b>Heating Only</b>				<b>Heating &amp; Water Htg.</b>			
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>	
				(A) - (B)	%			(A) - (B)	%
2.1	VOLUME	m <sup>3</sup> 1,955	1,955	0	0.0%	2,005	2,005	0	0.0%
2.2	CUSTOMER CHG.	\$ 274.56	274.56	0.00	0.0%	274.56	274.56	0.00	0.0%
2.3	DISTRIBUTION CHG.	\$ 185.14	185.02	0.13	0.1%	192.65	192.52	0.13	0.1%
2.4	LOAD BALANCING	§ \$ 113.63	113.63	0.00	0.0%	116.54	116.54	0.00	0.0%
2.5	SALES COMMDTY	\$ 258.00	258.00	0.00	0.0%	264.60	264.60	0.00	0.0%
2.6	FEDERAL CARBON CHARGE	\$ 298.14	242.22	55.91	23.1%	305.76	248.42	57.34	23.1%
2.7	TOTAL SALES	\$ 1,129.48	1,073.44	56.04	5.2%	1,154.11	1,096.64	57.47	5.2%
2.8	TOTAL T-SERVICE	\$ 871.47	815.43	56.04	6.9%	889.51	832.04	57.47	6.9%

§ The Load Balancing Charge shown here includes transportation charges

**EGD RATE ZONE**

**ANNUAL BILL COMPARISON - RESIDENTIAL CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR NON-EPS PARTICIPANTS AND RIDER K BILL 32**

(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
		<b>Heating, Pool Htg. &amp; Other Uses</b>				<b>General &amp; Water Htg.</b>				
		<u>(A)</u>	<u>(B)</u>	<u>CHANGE</u>		<u>(A)</u>	<u>(B)</u>	<u>CHANGE</u>		
				(A) - (B)	%			(A) - (B)	%	
3.1	VOLUME	m <sup>3</sup>	5,048	5,048	0	0.0%	1,081	1,081	0	0.0%
3.2	CUSTOMER CHG.	\$	274.56	274.56	0.00	0.0%	274.56	274.56	0.00	0.0%
3.3	DISTRIBUTION CHG.	\$	468.05	467.73	0.32	0.1%	108.73	108.66	0.07	0.1%
3.4	LOAD BALANCING	§ \$	293.41	293.41	0.00	0.0%	62.83	62.83	0.00	0.0%
3.5	SALES COMMDTY	\$	666.19	666.19	0.00	0.0%	142.66	142.66	0.00	0.0%
3.6	FEDERAL CARBON CHARGE	\$	769.82	625.45	144.37	23.1%	164.85	133.94	30.92	23.1%
3.7	TOTAL SALES	\$	2,472.03	2,327.33	144.70	6.2%	753.63	722.65	30.99	4.3%
3.8	TOTAL T-SERVICE	\$	1,805.84	1,661.14	144.70	8.7%	610.97	579.99	30.99	5.3%

		<b>Heating &amp; Water Htg.</b>				<b>Heating &amp; Water Htg.</b>				
		<u>(A)</u>	<u>(B)</u>	<u>CHANGE</u>		<u>(A)</u>	<u>(B)</u>	<u>CHANGE</u>		
				(A) - (B)	%			(A) - (B)	%	
4.1	VOLUME	m <sup>3</sup>	2,480	2,480	0	0.0%	2,400	2,400	0	0.0%
4.2	CUSTOMER CHG.	\$	274.56	274.56	0.00	0.0%	274.56	274.56	0.00	0.0%
4.3	DISTRIBUTION CHG.	\$	235.69	235.53	0.16	0.1%	228.15	227.99	0.15	0.1%
4.4	LOAD BALANCING	§ \$	144.15	144.15	0.00	0.0%	139.50	139.50	0.00	0.0%
4.5	SALES COMMDTY	\$	327.29	327.29	0.00	0.0%	316.73	316.73	0.00	0.0%
4.6	FEDERAL CARBON CHARGE	\$	378.20	307.27	70.93	23.1%	366.00	297.36	68.64	23.1%
4.7	TOTAL SALES	\$	1,359.89	1,288.80	71.09	5.5%	1,324.94	1,256.14	68.79	5.5%
4.8	TOTAL T-SERVICE	\$	1,032.60	961.51	71.09	7.4%	1,008.21	939.41	68.79	7.3%

§ The Load Balancing Charge shown here includes transportation charges

EGD RATE ZONE

**ANNUAL BILL COMPARISON - COMMERCIAL & INDUSTRIAL CUSTOMERS  
 INCLUDING FEDERAL CARBON PRICING IMPACTS FOR NON-EPS PARTICIPANTS AND RIDER K BILL 32**

(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
		<b>Commercial Heating &amp; Other Uses</b>				<b>Com. Htg., Air Cond'ng &amp; Other Uses</b>			
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>	
				(A) - (B)	%			(A) - (B)	%
1.1	VOLUME	m <sup>3</sup> 22,606	22,606	0	0.0%	29,278	29,278	0	0.0%
1.2	CUSTOMER CHG.	\$ 930.96	930.96	0.00	0.0%	930.96	930.96	0.00	0.0%
1.3	DISTRIBUTION CHG.	\$ 1,694.79	1,693.34	1.45	0.1%	2,174.48	2,172.61	1.87	0.1%
1.4	LOAD BALANCING	§ \$ 1,290.80	1,290.80	0.00	0.0%	1,671.77	1,671.77	0.00	0.0%
1.5	SALES COMMDTY	\$ 2,988.60	2,988.60	0.00	0.0%	3,870.67	3,870.67	0.00	0.0%
1.6	FEDERAL CARBON CHARGE	\$ 3,447.42	2,800.88	646.53	23.1%	4,464.90	3,627.54	837.35	23.1%
1.7	TOTAL SALES	\$ 10,352.57	9,704.59	647.98	6.7%	13,112.78	12,273.55	839.22	6.8%
1.8	TOTAL T-SERVICE	\$ 7,363.96	6,715.98	647.98	9.6%	9,242.11	8,402.88	839.22	10.0%

		<b>Medium Commercial Customer</b>				<b>Large Commercial Customer</b>			
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>	
				(A) - (B)	%			(A) - (B)	%
2.1	VOLUME	m <sup>3</sup> 169,563	169,563	0	0.0%	339,125	339,125	0	0.0%
2.2	CUSTOMER CHG.	\$ 930.96	930.96	0.00	0.0%	930.96	930.96	0.00	0.0%
2.3	DISTRIBUTION CHG.	\$ 9,122.77	9,111.92	10.85	0.1%	16,700.73	16,679.02	21.70	0.1%
2.4	LOAD BALANCING	§ \$ 9,682.04	9,682.04	0.00	0.0%	19,364.01	19,364.01	0.00	0.0%
2.5	SALES COMMDTY	\$ 22,416.90	22,416.90	0.00	0.0%	44,833.67	44,833.67	0.00	0.0%
2.6	FEDERAL CARBON CHARGE	\$ 25,858.36	21,008.86	4,849.50	23.1%	51,716.56	42,017.59	9,698.98	23.1%
2.7	TOTAL SALES	\$ 68,011.03	63,150.67	4,860.35	7.7%	133,545.93	123,825.25	9,720.68	7.9%
2.8	TOTAL T-SERVICE	\$ 45,594.13	40,733.77	4,860.35	11.9%	88,712.26	78,991.58	9,720.68	12.3%

§ The Load Balancing Charge shown here includes transportation charges

**EGD RATE ZONE**

**ANNUAL BILL COMPARISON - COMMERCIAL & INDUSTRIAL CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR NON-EPS PARTICIPANTS AND RIDER K BILL 32**

**(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing**

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
<b>Industrial General Use</b>										
<b>Industrial Heating &amp; Other Uses</b>										
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
3.1	VOLUME	m <sup>3</sup>	43,285	43,285	0	0.0%	63,903	63,903	0	0.0%
3.2	CUSTOMER CHG.	\$	930.96	930.96	0.00	0.0%	930.96	930.96	0.00	0.0%
3.3	DISTRIBUTION CHG.	\$	3,004.34	3,001.57	2.77	0.1%	4,028.92	4,024.83	4.09	0.1%
3.4	LOAD BALANCING	§ \$	2,471.57	2,471.57	0.00	0.0%	3,648.86	3,648.86	0.00	0.0%
3.5	SALES COMMDTY	\$	5,722.45	5,722.45	0.00	0.0%	8,448.23	8,448.23	0.00	0.0%
3.6	FEDERAL CARBON CHARGE	\$	6,600.96	5,363.01	1,237.95	23.1%	9,745.21	7,917.58	1,827.63	23.1%
3.7	TOTAL SALES	\$	18,730.28	17,489.56	1,240.72	7.1%	26,802.17	24,970.46	1,831.72	7.3%
3.8	TOTAL T-SERVICE	\$	13,007.83	11,767.11	1,240.72	10.5%	18,353.94	16,522.23	1,831.72	11.1%
<b>Medium Industrial Customer</b>										
<b>Large Industrial Customer</b>										
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
4.1	VOLUME	m <sup>3</sup>	169,563	169,563	0	0.0%	339,124	339,124	0	0.0%
4.2	CUSTOMER CHG.	\$	930.96	930.96	0.00	0.0%	930.96	930.96	0.00	0.0%
4.3	DISTRIBUTION CHG.	\$	9,342.51	9,331.66	10.85	0.1%	16,864.22	16,842.52	21.70	0.1%
4.4	LOAD BALANCING	§	9,682.04	9,682.04	0.00	0.0%	19,363.96	19,363.96	0.00	0.0%
4.5	SALES COMMDTY	\$	22,416.90	22,416.90	0.00	0.0%	44,833.54	44,833.54	0.00	0.0%
4.6	FEDERAL CARBON CHARGE	\$	25,858.36	21,008.86	4,849.50	23.1%	51,716.41	42,017.46	9,698.95	23.1%
4.7	TOTAL SALES	\$	68,230.77	63,370.41	4,860.35	7.7%	133,709.09	123,988.44	9,720.65	7.8%
4.8	TOTAL T-SERVICE	\$	45,813.86	40,953.51	4,860.35	11.9%	88,875.55	79,154.90	9,720.65	12.3%

§ The Load Balancing Charge shown here includes transportation charges

**EGD RATE ZONE**

**ANNUAL BILL COMPARISON - LARGE VOLUME CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR NON-EPS PARTICIPANTS AND RIDER K BILL 32**

**(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing**

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
<b>Rate 100 - Small Commercial Firm</b>										
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
1.1	VOLUME	m <sup>3</sup>	339,188	339,188	0	0.0%	598,567	598,567	0	0.0%
1.2	CUSTOMER CHG.	\$	1,613.64	1,613.64	0.00	0.0%	1,613.64	1,613.64	0.00	0.0%
1.3	DISTRIBUTION CHG.	\$	14,889.15	14,867.44	21.71	0.1%	72,471.09	72,432.78	38.31	0.1%
1.4	LOAD BALANCING	\$	19,367.61	19,367.61	0.00	0.0%	34,178.13	34,178.13	0.00	0.0%
1.5	SALES COMMDTY	\$	44,842.00	44,842.00	0.00	0.0%	79,132.93	79,132.93	0.00	0.0%
1.6	FEDERAL CARBON CHARGE	\$	51,726.17	42,025.39	9,700.78	23.1%	91,281.47	74,162.45	17,119.02	23.1%
1.7	TOTAL SALES	\$	132,438.57	122,716.09	9,722.48	7.9%	278,677.27	261,519.94	17,157.32	6.6%
1.8	TOTAL T-SERVICE	\$	87,596.57	77,874.09	9,722.48	12.5%	199,544.33	182,387.01	17,157.32	9.4%

**Rate 100 - Large Industrial Firm**

		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%	
2.1	VOLUME	m <sup>3</sup>	1,500,000	1,500,000	0	0.0%
2.2	CUSTOMER CHG.	\$	1,613.64	1,613.64	0.00	0.0%
2.3	DISTRIBUTION CHG.	\$	145,533.09	145,437.09	96.00	0.1%
2.4	LOAD BALANCING	\$	85,649.90	85,649.90	0.00	0.0%
2.5	SALES COMMDTY	\$	198,305.95	198,305.95	0.00	0.0%
2.6	FEDERAL CARBON CHARGE	\$	228,750.00	185,850.00	42,900.00	23.1%
2.7	TOTAL SALES	\$	659,852.58	616,856.58	42,996.00	7.0%
2.8	TOTAL T-SERVICE	\$	461,546.63	418,550.63	42,996.00	10.3%

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## EGD RATE ZONE

### ANNUAL BILL COMPARISON - LARGE VOLUME CUSTOMERS INCLUDING FEDERAL CARBON PRICING IMPACTS FOR NON-EPS PARTICIPANTS AND RIDER K BILL 32

(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
<b>Rate 145 - Small Commercial Interr.</b>										
<b>Rate 145 - Average Commercial Interr.</b>										
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
3.1	VOLUME	m <sup>3</sup>	339,188	339,188	0	0.0%	598,568	598,568	0	0.0%
3.2	CUSTOMER CHG.	\$	1,631.16	1,631.16	0.00	0.0%	1,631.16	1,631.16	0.00	0.0%
3.3	DISTRIBUTION CHG.	\$	25,717.95	25,696.24	21.71	0.1%	42,219.45	42,181.14	38.31	0.1%
3.4	LOAD BALANCING	\$	15,077.17	15,077.17	0.00	0.0%	26,607.33	26,607.33	0.00	0.0%
3.5	SALES COMMDTY	\$	44,647.22	44,647.22	0.00	0.0%	78,789.33	78,789.33	0.00	0.0%
3.6	FEDERAL CARBON CHARGE	\$	51,726.17	42,025.39	9,700.78	23.1%	91,281.62	74,162.58	17,119.04	23.1%
3.7	TOTAL SALES	\$	138,799.66	129,077.17	9,722.48	7.5%	240,528.88	223,371.53	17,157.35	7.7%
3.8	TOTAL T-SERVICE	\$	94,152.44	84,429.96	9,722.48	11.5%	161,739.55	144,582.20	17,157.35	11.9%
<b>Rate 145 - Small Industrial Interr.</b>										
<b>Rate 145 - Average Industrial Interr.</b>										
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
4.1	VOLUME	m <sup>3</sup>	339,188	339,188	0	0.0%	598,567	598,567	0	0.0%
4.2	CUSTOMER CHG.	\$	1,631.16	1,631.16	0.00	0.0%	1,631.16	1,631.16	0.00	0.0%
4.3	DISTRIBUTION CHG.	\$	25,993.85	25,972.14	21.71	0.1%	42,463.65	42,425.35	38.31	0.1%
4.4	LOAD BALANCING	\$	15,077.17	15,077.17	0.00	0.0%	26,607.28	26,607.28	0.00	0.0%
4.5	SALES COMMDTY	\$	44,647.22	44,647.22	0.00	0.0%	78,789.20	78,789.20	0.00	0.0%
4.6	FEDERAL CARBON CHARGE	\$	51,726.17	42,025.39	9,700.78	23.1%	91,281.47	74,162.45	17,119.02	23.1%
4.7	TOTAL SALES	\$	139,075.56	129,353.07	9,722.48	7.5%	240,772.75	223,615.43	17,157.32	7.7%
4.8	TOTAL T-SERVICE	\$	94,428.34	84,705.86	9,722.48	11.5%	161,983.56	144,826.23	17,157.32	11.8%



**EGD RATE ZONE**

**ANNUAL BILL COMPARISON - LARGE VOLUME CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR NON-EPS PARTICIPANTS AND RIDER K BILL 32**

**(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing**

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
		<b>Rate 110 - Small Ind. Firm - 50% LF</b>				<b>Rate 110 - Average Ind. Firm - 50% LF</b>			
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>	
				(A) - (B)	%			(A) - (B)	%
5.1	VOLUME	m <sup>3</sup> 598,568	598,568	0	0.0%	9,976,121	9,976,121	0	0.0%
5.2	CUSTOMER CHG.	\$ 7,722.60	7,722.60	0.00	0.0%	7,722.60	7,722.60	0.00	0.0%
5.3	DISTRIBUTION CHG.	\$ 15,885.11	15,846.80	38.31	0.2%	260,555.66	259,917.19	638.47	0.2%
5.4	LOAD BALANCING	\$ 27,824.48	27,824.48	0.00	0.0%	463,740.81	463,740.81	0.00	0.0%
5.5	SALES COMMDTY	\$ 78,765.74	78,765.74	0.00	0.0%	1,312,760.69	1,312,760.69	0.00	0.0%
5.6	FEDERAL CARBON CHARGE	\$ 91,281.62	74,162.58	17,119.04	23.1%	1,521,358.45	1,236,041.39	285,317.06	23.1%
5.7	TOTAL SALES	\$ 221,479.55	204,322.20	17,157.35	8.4%	3,566,138.21	3,280,182.68	285,955.53	8.7%
5.8	TOTAL T-SERVICE	\$ 142,713.81	125,556.46	17,157.35	13.7%	2,253,377.53	1,967,421.99	285,955.53	14.5%
		<b>Rate 110 - Average Ind. Firm - 75% LF</b>				<b>Rate 115 - Large Ind. Firm - 80% LF</b>			
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>	
				(A) - (B)	%			(A) - (B)	%
6.1	VOLUME	m <sup>3</sup> 9,976,120	9,976,120	0	0.0%	69,832,850	69,832,850	0	0.0%
6.2	CUSTOMER CHG.	\$ 7,722.60	7,722.60	0.00	0.0%	8,185.32	8,185.32	0.00	0.0%
6.3	DISTRIBUTION CHG.	\$ 208,518.34	207,879.86	638.47	0.3%	1,149,601.84	1,145,132.53	4,469.30	0.4%
6.4	LOAD BALANCING	\$ 463,740.76	463,740.76	0.00	0.0%	3,123,393.62	3,123,393.62	0.00	0.0%
6.5	SALES COMMDTY	\$ 1,312,760.55	1,312,760.55	0.00	0.0%	9,189,325.19	9,189,325.19	0.00	0.0%
6.6	FEDERAL CARBON CHARGE	\$ 1,521,358.30	1,236,041.27	285,317.03	23.1%	10,649,509.63	8,652,290.12	1,997,219.51	23.1%
6.7	TOTAL SALES	\$ 3,514,100.55	3,228,145.05	285,955.50	8.9%	24,120,015.59	22,118,326.78	2,001,688.81	9.0%
6.8	TOTAL T-SERVICE	\$ 2,201,340.00	1,915,384.49	285,955.50	14.9%	14,930,690.40	12,929,001.59	2,001,688.81	15.5%

EGD RATE ZONE

**ANNUAL BILL COMPARISON - LARGE VOLUME CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR NON-EPS PARTICIPANTS AND RIDER K BILL 32**

(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
		<b>Rate 135 - Seasonal Firm</b>				<b>Rate 170 - Average Ind. Interr. - 50% LF</b>				
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
7.1	VOLUME	m <sup>3</sup>	598,567	598,567	0	0.0%	9,976,121	9,976,121	0	0.0%
7.2	CUSTOMER CHG.	\$	1,522.68	1,522.68	0.00	0.0%	3,678.60	3,678.60	0.00	0.0%
7.3	DISTRIBUTION CHG.	\$	12,975.31	12,937.00	38.31	0.3%	81,860.87	81,222.40	638.47	0.8%
7.4	LOAD BALANCING	\$	21,111.92	21,111.92	0.00	0.0%	342,777.75	342,777.75	0.00	0.0%
7.5	SALES COMMDTY	\$	78,811.47	78,811.47	0.00	0.0%	1,312,760.66	1,312,760.66	0.00	0.0%
7.6	FEDERAL CARBON CHARGE	\$	91,281.47	74,162.45	17,119.02	23.1%	1,521,358.45	1,236,041.39	285,317.06	23.1%
7.7	TOTAL SALES	\$	205,702.85	188,545.53	17,157.32	9.1%	3,262,436.34	2,976,480.81	285,955.53	9.6%
7.8	TOTAL T-SERVICE	\$	126,891.38	109,734.06	17,157.32	15.6%	1,949,675.68	1,663,720.15	285,955.53	17.2%

		<b>Rate 170 - Average Ind. Interr. - 75% LF</b>				<b>Rate 170 - Large Ind. Interr. - 75% LF</b>				
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
8.1	VOLUME	m <sup>3</sup>	9,976,120	9,976,120	0	0.0%	69,832,850	69,832,850	0	0.0%
8.2	CUSTOMER CHG.	\$	3,678.60	3,678.60	0.00	0.0%	3,678.60	3,678.60	0.00	0.0%
8.3	DISTRIBUTION CHG.	\$	73,856.48	73,218.00	638.47	0.9%	399,104.57	394,635.27	4,469.30	1.1%
8.4	LOAD BALANCING	\$	342,777.72	342,777.72	0.00	0.0%	2,399,444.38	2,399,444.38	0.00	0.0%
8.5	SALES COMMDTY	\$	1,312,760.53	1,312,760.53	0.00	0.0%	9,189,325.02	9,189,325.02	0.00	0.0%
8.6	FEDERAL CARBON CHARGE	\$	1,521,358.30	1,236,041.27	285,317.03	23.1%	10,649,509.63	8,652,290.12	1,997,219.51	23.1%
8.7	TOTAL SALES	\$	3,254,431.62	2,968,476.12	285,955.50	9.6%	22,641,062.19	20,639,373.38	2,001,688.81	9.7%
8.8	TOTAL T-SERVICE	\$	1,941,671.09	1,655,715.59	285,955.50	17.3%	13,451,737.18	11,450,048.36	2,001,688.81	17.5%

**EGD RATE ZONE**

**ANNUAL BILL COMPARISON - RESIDENTIAL CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR EPS PARTICIPANTS AND RIDER K BILL 32**

(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
		<b>Heating &amp; Water Htg.</b>				<b>Heating, Water Htg. &amp; Other Uses</b>				
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
1.1	VOLUME	m <sup>3</sup>	3,064	3,064	0	0.0%	4,691	4,691	0	0.0%
1.2	CUSTOMER CHG.	\$	274.56	274.56	0.00	0.0%	274.56	274.56	0.00	0.0%
1.3	DISTRIBUTION CHG.	\$	288.67	288.47	0.20	0.1%	435.22	434.92	0.30	0.1%
1.4	LOAD BALANCING	§	178.09	178.09	0.00	0.0%	272.66	272.66	0.00	0.0%
1.5	SALES COMMDTY	\$	404.36	404.36	0.00	0.0%	619.08	619.08	0.00	0.0%
1.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
1.7	TOTAL SALES	\$	1,145.68	1,145.48	0.20	0.0%	1,601.51	1,601.21	0.30	0.0%
1.8	TOTAL T-SERVICE	\$	741.32	741.12	0.20	0.0%	982.44	982.14	0.30	0.0%

		<b>Heating Only</b>				<b>Heating &amp; Water Htg.</b>				
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
2.1	VOLUME	m <sup>3</sup>	1,955	1,955	0	0.0%	2,005	2,005	0	0.0%
2.2	CUSTOMER CHG.	\$	274.56	274.56	0.00	0.0%	274.56	274.56	0.00	0.0%
2.3	DISTRIBUTION CHG.	\$	185.14	185.02	0.13	0.1%	192.65	192.52	0.13	0.1%
2.4	LOAD BALANCING	§	113.63	113.63	0.00	0.0%	116.54	116.54	0.00	0.0%
2.5	SALES COMMDTY	\$	258.00	258.00	0.00	0.0%	264.60	264.60	0.00	0.0%
2.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
2.7	TOTAL SALES	\$	831.34	831.21	0.13	0.0%	848.35	848.22	0.13	0.0%
2.8	TOTAL T-SERVICE	\$	573.34	573.21	0.13	0.0%	583.75	583.62	0.13	0.0%

§ The Load Balancing Charge shown here includes transportation charges

**EGD RATE ZONE**

**ANNUAL BILL COMPARISON - RESIDENTIAL CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR EPS PARTICIPANTS AND RIDER K BILL 32**

(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
		<b>Heating, Pool Htg. &amp; Other Uses</b>				<b>General &amp; Water Htg.</b>				
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
3.1	VOLUME	m <sup>3</sup>	5,048	5,048	0	0.0%	1,081	1,081	0	0.0%
3.2	CUSTOMER CHG.	\$	274.56	274.56	0.00	0.0%	274.56	274.56	0.00	0.0%
3.3	DISTRIBUTION CHG.	\$	468.05	467.73	0.32	0.1%	108.73	108.66	0.07	0.1%
3.4	LOAD BALANCING	§ \$	293.41	293.41	0.00	0.0%	62.83	62.83	0.00	0.0%
3.5	SALES COMMDTY	\$	666.19	666.19	0.00	0.0%	142.66	142.66	0.00	0.0%
3.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
3.7	TOTAL SALES	\$	1,702.21	1,701.89	0.32	0.0%	588.78	588.71	0.07	0.0%
3.8	TOTAL T-SERVICE	\$	1,036.02	1,035.70	0.32	0.0%	446.12	446.05	0.07	0.0%

		<b>Heating &amp; Water Htg.</b>				<b>Heating &amp; Water Htg.</b>				
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
4.1	VOLUME	m <sup>3</sup>	2,480	2,480	0	0.0%	2,400	2,400	0	0.0%
4.2	CUSTOMER CHG.	\$	274.56	274.56	0.00	0.0%	274.56	274.56	0.00	0.0%
4.3	DISTRIBUTION CHG.	\$	235.69	235.53	0.16	0.1%	228.15	227.99	0.15	0.1%
4.4	LOAD BALANCING	§	144.15	144.15	0.00	0.0%	139.50	139.50	0.00	0.0%
4.5	SALES COMMDTY	\$	327.29	327.29	0.00	0.0%	316.73	316.73	0.00	0.0%
4.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4.7	TOTAL SALES	\$	981.69	981.53	0.16	0.0%	958.94	958.78	0.15	0.0%
4.8	TOTAL T-SERVICE	\$	654.40	654.24	0.16	0.0%	642.21	642.05	0.15	0.0%

§ The Load Balancing Charge shown here includes transportation charges

**EGD RATE ZONE**

**ANNUAL BILL COMPARISON - COMMERCIAL & INDUSTRIAL CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR EPS PARTICIPANTS AND RIDER K BILL 32**

**(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing**

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
		<b>Commercial Heating &amp; Other Uses</b>				<b>Com. Htg., Air Cond'ng &amp; Other Uses</b>				
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
1.1	VOLUME	m <sup>3</sup>	22,606	22,606	0	0.0%	29,278	29,278	0	0.0%
1.2	CUSTOMER CHG.	\$	930.96	930.96	0.00	0.0%	930.96	930.96	0.00	0.0%
1.3	DISTRIBUTION CHG.	\$	1,694.79	1,693.34	1.45	0.1%	2,174.48	2,172.61	1.87	0.1%
1.4	LOAD BALANCING	§	1,290.80	1,290.80	0.00	0.0%	1,671.77	1,671.77	0.00	0.0%
1.5	SALES COMMDTY	\$	2,988.60	2,988.60	0.00	0.0%	3,870.67	3,870.67	0.00	0.0%
1.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
1.7	TOTAL SALES	\$	6,905.15	6,903.70	1.45	0.0%	8,647.88	8,646.01	1.87	0.0%
1.8	TOTAL T-SERVICE	\$	3,916.55	3,915.10	1.45	0.0%	4,777.21	4,775.34	1.87	0.0%
		<b>Medium Commercial Customer</b>				<b>Large Commercial Customer</b>				
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
2.1	VOLUME	m <sup>3</sup>	169,563	169,563	0	0.0%	339,125	339,125	0	0.0%
2.2	CUSTOMER CHG.	\$	930.96	930.96	0.00	0.0%	930.96	930.96	0.00	0.0%
2.3	DISTRIBUTION CHG.	\$	9,122.77	9,111.92	10.85	0.1%	16,700.73	16,679.02	21.70	0.1%
2.4	LOAD BALANCING	§	9,682.04	9,682.04	0.00	0.0%	19,364.01	19,364.01	0.00	0.0%
2.5	SALES COMMDTY	\$	22,416.90	22,416.90	0.00	0.0%	44,833.67	44,833.67	0.00	0.0%
2.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
2.7	TOTAL SALES	\$	42,152.67	42,141.82	10.85	0.0%	81,829.37	81,807.67	21.70	0.0%
2.8	TOTAL T-SERVICE	\$	19,735.77	19,724.92	10.85	0.1%	36,995.70	36,974.00	21.70	0.1%

§ The Load Balancing Charge shown here includes transportation charges

**EGD RATE ZONE**

**ANNUAL BILL COMPARISON - COMMERCIAL & INDUSTRIAL CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR EPS PARTICIPANTS AND RIDER K BILL 32**

**(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing**

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
<b>Industrial General Use</b>										
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
3.1	VOLUME	m <sup>3</sup>	43,285	43,285	0	0.0%	63,903	63,903	0	0.0%
3.2	CUSTOMER CHG.	\$	930.96	930.96	0.00	0.0%	930.96	930.96	0.00	0.0%
3.3	DISTRIBUTION CHG.	\$	3,004.34	3,001.57	2.77	0.1%	4,028.92	4,024.83	4.09	0.1%
3.4	LOAD BALANCING	§ \$	2,471.57	2,471.57	0.00	0.0%	3,648.86	3,648.86	0.00	0.0%
3.5	SALES COMMDTY	\$	5,722.45	5,722.45	0.00	0.0%	8,448.23	8,448.23	0.00	0.0%
3.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
3.7	TOTAL SALES	\$	12,129.32	12,126.55	2.77	0.0%	17,056.97	17,052.88	4.09	0.0%
3.8	TOTAL T-SERVICE	\$	6,406.87	6,404.10	2.77	0.0%	8,608.74	8,604.65	4.09	0.0%
<b>Medium Industrial Customer</b>										
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
4.1	VOLUME	m <sup>3</sup>	169,563	169,563	0	0.0%	339,124	339,124	0	0.0%
4.2	CUSTOMER CHG.	\$	930.96	930.96	0.00	0.0%	930.96	930.96	0.00	0.0%
4.3	DISTRIBUTION CHG.	\$	9,342.51	9,331.66	10.85	0.1%	16,864.22	16,842.52	21.70	0.1%
4.4	LOAD BALANCING	§ \$	9,682.04	9,682.04	0.00	0.0%	19,363.96	19,363.96	0.00	0.0%
4.5	SALES COMMDTY	\$	22,416.90	22,416.90	0.00	0.0%	44,833.54	44,833.54	0.00	0.0%
4.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4.7	TOTAL SALES	\$	42,372.41	42,361.56	10.85	0.0%	81,992.68	81,970.97	21.70	0.0%
4.8	TOTAL T-SERVICE	\$	19,955.51	19,944.66	10.85	0.1%	37,159.14	37,137.43	21.70	0.1%
<b>Large Industrial Customer</b>										
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	

§ The Load Balancing Charge shown here includes transportation charges

**EGD RATE ZONE**

**ANNUAL BILL COMPARISON - LARGE VOLUME CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR EPS PARTICIPANTS AND RIDER K BILL 32**

**(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing**

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
<b>Rate 100 - Small Commercial Firm</b>										
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
1.1	VOLUME	m <sup>3</sup>	339,188	339,188	0	0.0%	598,567	598,567	0	0.0%
1.2	CUSTOMER CHG.	\$	1,613.64	1,613.64	0.00	0.0%	1,613.64	1,613.64	0.00	0.0%
1.3	DISTRIBUTION CHG.	\$	14,889.15	14,867.44	21.71	0.1%	72,471.09	72,432.78	38.31	0.1%
1.4	LOAD BALANCING	\$	19,367.61	19,367.61	0.00	0.0%	34,178.13	34,178.13	0.00	0.0%
1.5	SALES COMMDTY	\$	44,842.00	44,842.00	0.00	0.0%	79,132.93	79,132.93	0.00	0.0%
1.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
1.7	TOTAL SALES	\$	80,712.40	80,690.70	21.71	0.0%	187,395.80	187,357.49	38.31	0.0%
1.8	TOTAL T-SERVICE	\$	35,870.40	35,848.70	21.71	0.1%	108,262.87	108,224.56	38.31	0.0%
<b>Rate 100 - Large Industrial Firm</b>										
			<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>					
					(A) - (B)	%				
2.1	VOLUME	m <sup>3</sup>	1,500,000	1,500,000	0	0.0%				
2.2	CUSTOMER CHG.	\$	1,613.64	1,613.64	0.00	0.0%				
2.3	DISTRIBUTION CHG.	\$	145,533.09	145,437.09	96.00	0.1%				
2.4	LOAD BALANCING	\$	85,649.90	85,649.90	0.00	0.0%				
2.5	SALES COMMDTY	\$	198,305.95	198,305.95	0.00	0.0%				
2.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%				
2.7	TOTAL SALES	\$	431,102.58	431,006.58	96.00	0.0%				
2.8	TOTAL T-SERVICE	\$	232,796.63	232,700.63	96.00	0.0%				

**EGD RATE ZONE**

**ANNUAL BILL COMPARISON - LARGE VOLUME CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR EPS PARTICIPANTS AND RIDER K BILL 32**

(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
<b>Rate 145 - Small Commercial Interr.</b>										
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>						
				(A) - (B)	%	<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
3.1	VOLUME	m <sup>3</sup>	339,188	339,188	0	0.0%	598,568	598,568	0	0.0%
3.2	CUSTOMER CHG.	\$	1,631.16	1,631.16	0.00	0.0%	1,631.16	1,631.16	0.00	0.0%
3.3	DISTRIBUTION CHG.	\$	25,717.95	25,696.24	21.71	0.1%	42,219.45	42,181.14	38.31	0.1%
3.4	LOAD BALANCING	\$	15,077.17	15,077.17	0.00	0.0%	26,607.33	26,607.33	0.00	0.0%
3.5	SALES COMMDTY	\$	44,647.22	44,647.22	0.00	0.0%	78,789.33	78,789.33	0.00	0.0%
3.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
3.7	TOTAL SALES	\$	87,073.49	87,051.78	21.71	0.0%	149,247.26	149,208.95	38.31	0.0%
3.8	TOTAL T-SERVICE	\$	42,426.27	42,404.56	21.71	0.1%	70,457.93	70,419.63	38.31	0.1%
<b>Rate 145 - Small Industrial Interr.</b>										
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>						
				(A) - (B)	%	<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
4.1	VOLUME	m <sup>3</sup>	339,188	339,188	0	0.0%	598,567	598,567	0	0.0%
4.2	CUSTOMER CHG.	\$	1,631.16	1,631.16	0.00	0.0%	1,631.16	1,631.16	0.00	0.0%
4.3	DISTRIBUTION CHG.	\$	25,993.85	25,972.14	21.71	0.1%	42,463.65	42,425.35	38.31	0.1%
4.4	LOAD BALANCING	\$	15,077.17	15,077.17	0.00	0.0%	26,607.28	26,607.28	0.00	0.0%
4.5	SALES COMMDTY	\$	44,647.22	44,647.22	0.00	0.0%	78,789.20	78,789.20	0.00	0.0%
4.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4.7	TOTAL SALES	\$	87,349.39	87,327.68	21.71	0.0%	149,491.29	149,452.98	38.31	0.0%
4.8	TOTAL T-SERVICE	\$	42,702.17	42,680.46	21.71	0.1%	70,702.09	70,663.78	38.31	0.1%
<b>Rate 145 - Average Industrial Interr.</b>										
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>						
				(A) - (B)	%	<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	



**EGD RATE ZONE**

**ANNUAL BILL COMPARISON - LARGE VOLUME CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR EPS PARTICIPANTS AND RIDER K BILL 32**

**(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing**

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
		<b>Rate 110 - Small Ind. Firm - 50% LF</b>				<b>Rate 110 - Average Ind. Firm - 50% LF</b>				
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
5.1	VOLUME	m <sup>3</sup>	598,568	598,568	0	0.0%	9,976,121	9,976,121	0	0.0%
5.2	CUSTOMER CHG.	\$	7,722.60	7,722.60	0.00	0.0%	7,722.60	7,722.60	0.00	0.0%
5.3	DISTRIBUTION CHG.	\$	15,885.11	15,846.80	38.31	0.2%	260,555.66	259,917.19	638.47	0.2%
5.4	LOAD BALANCING	\$	27,824.48	27,824.48	0.00	0.0%	463,740.81	463,740.81	0.00	0.0%
5.5	SALES COMMDTY	\$	78,765.74	78,765.74	0.00	0.0%	1,312,760.69	1,312,760.69	0.00	0.0%
5.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
5.7	TOTAL SALES	\$	130,197.93	130,159.62	38.31	0.0%	2,044,779.76	2,044,141.29	638.47	0.0%
5.8	TOTAL T-SERVICE	\$	51,432.19	51,393.89	38.31	0.1%	732,019.07	731,380.60	638.47	0.1%
		<b>Rate 110 - Average Ind. Firm - 75% LF</b>				<b>Rate 115 - Large Ind. Firm - 80% LF</b>				
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
6.1	VOLUME	m <sup>3</sup>	9,976,120	9,976,120	0	0.0%	69,832,850	69,832,850	0	0.0%
6.2	CUSTOMER CHG.	\$	7,722.60	7,722.60	0.00	0.0%	8,185.32	8,185.32	0.00	0.0%
6.3	DISTRIBUTION CHG.	\$	208,518.34	207,879.86	638.47	0.3%	1,149,601.84	1,145,132.53	4,469.30	0.4%
6.4	LOAD BALANCING	\$	463,740.76	463,740.76	0.00	0.0%	3,123,393.62	3,123,393.62	0.00	0.0%
6.5	SALES COMMDTY	\$	1,312,760.55	1,312,760.55	0.00	0.0%	9,189,325.19	9,189,325.19	0.00	0.0%
6.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
6.7	TOTAL SALES	\$	1,992,742.25	1,992,103.78	638.47	0.0%	13,470,505.97	13,466,036.67	4,469.30	0.0%
6.8	TOTAL T-SERVICE	\$	679,981.70	679,343.23	638.47	0.1%	4,281,180.78	4,276,711.48	4,469.30	0.1%

**EGD RATE ZONE**

**ANNUAL BILL COMPARISON - LARGE VOLUME CUSTOMERS**  
**INCLUDING FEDERAL CARBON PRICING IMPACTS FOR EPS PARTICIPANTS AND RIDER K BILL 32**

**(A) EB-2023-0211 Inclusive of 2024 Federal Carbon Pricing vs (B) EB-2023-0211 Inclusive of 2023 Federal Carbon Pricing**

Item No.		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
		<b>Rate 135 - Seasonal Firm</b>				<b>Rate 170 - Average Ind. Interr. - 50% LF</b>				
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
7.1	VOLUME	m <sup>3</sup>	598,567	598,567	0	0.0%	9,976,121	9,976,121	0	0.0%
7.2	CUSTOMER CHG.	\$	1,522.68	1,522.68	0.00	0.0%	3,678.60	3,678.60	0.00	0.0%
7.3	DISTRIBUTION CHG.	\$	12,975.31	12,937.00	38.31	0.3%	81,860.87	81,222.40	638.47	0.8%
7.4	LOAD BALANCING	\$	21,111.92	21,111.92	0.00	0.0%	342,777.75	342,777.75	0.00	0.0%
7.5	SALES COMMDTY	\$	78,811.47	78,811.47	0.00	0.0%	1,312,760.66	1,312,760.66	0.00	0.0%
7.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
7.7	TOTAL SALES	\$	114,421.38	114,383.07	38.31	0.0%	1,741,077.89	1,740,439.41	638.47	0.0%
7.8	TOTAL T-SERVICE	\$	35,609.91	35,571.61	38.31	0.1%	428,317.23	427,678.75	638.47	0.1%

		<b>Rate 170 - Average Ind. Interr. - 75% LF</b>				<b>Rate 170 - Large Ind. Interr. - 75% LF</b>				
		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		<b>(A)</b>	<b>(B)</b>	<b>CHANGE</b>		
				(A) - (B)	%			(A) - (B)	%	
8.1	VOLUME	m <sup>3</sup>	9,976,120	9,976,120	0	0.0%	69,832,850	69,832,850	0	0.0%
8.2	CUSTOMER CHG.	\$	3,678.60	3,678.60	0.00	0.0%	3,678.60	3,678.60	0.00	0.0%
8.3	DISTRIBUTION CHG.	\$	73,856.48	73,218.00	638.47	0.9%	399,104.57	394,635.27	4,469.30	1.1%
8.4	LOAD BALANCING	\$	342,777.72	342,777.72	0.00	0.0%	2,399,444.38	2,399,444.38	0.00	0.0%
8.5	SALES COMMDTY	\$	1,312,760.53	1,312,760.53	0.00	0.0%	9,189,325.02	9,189,325.02	0.00	0.0%
8.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
8.7	TOTAL SALES	\$	1,733,073.32	1,732,434.85	638.47	0.0%	11,991,552.57	11,987,083.27	4,469.30	0.0%
8.8	TOTAL T-SERVICE	\$	420,312.79	419,674.32	638.47	0.2%	2,802,227.55	2,797,758.25	4,469.30	0.2%

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ENBRIDGE GAS INC.  
 EGD Rate Zone  
TABLE 5: SUMMARY OF 2022 FEDERAL CARBON DEFERRAL AND VARIANCE ACCOUNTS

		Col. 1	Col. 2	Col. 3	Col. 4
Line	Rate	Customer Carbon Charge - Variance Account <sup>1</sup>	Facility Carbon Charge Variance Account <sup>1</sup>	Greenhouse Gas Emissions Administration Deferral Account <sup>1</sup>	Total
		(\$000's)	(\$000's)	(\$000's)	(Col. 1 + Col. 2 + Col. 3) (\$000's)
1.1	Balance	-	(253)	2,498	2,245
1.2	Interest	-	(42)	179	137
1	Total	-	(295)	2,676	2,382

Notes:

(1) Exhibit C, Tab 1, Schedule 1.

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ENBRIDGE GAS INC.  
 EGD Rate Zone  
TABLE 6: SUMMARY OF ALLOCATION OF 2022 FEDERAL CARBON DEFERRAL AND VARIANCE ACCOUNTS

	Col. 1	Col. 2	Col. 3	Col. 4	
Line	Rate	Customer Carbon Charge - Variance Account <sup>1</sup>	Facility Carbon Charge Variance Account <sup>2</sup>	Greenhouse Gas Emissions Administration Deferral Account <sup>3</sup>	Total
		(\$000's)	(\$000's)	(\$000's)	(Col. 1 + Col. 2 + Col. 3) (\$000's)
1.1	1	-	(98)	2,475	2,377
1.2	6	-	(92)	201	108
1.3	9	-	0	0	0
1.4	100	-	(1)	0	(1)
1.5	110	-	(23)	0	(23)
1.6	115	-	(8)	0	(8)
1.7	125	-	(14)	0	(14)
1.8	135	-	(1)	0	(1)
1.9	145	-	(0)	0	(0)
1.10	170	-	(6)	0	(6)
1.11	200	-	(4)	0	(4)
1.12	300	-	(0)	0	(0)
1.13	315	-	0	0	0
1.14	332	-	(48)	0	(48)
1	Total	-	(295)	2,676	2,382

Notes:

- (1) Exhibit D, Tab 2, Schedule 4, Page 1, Table 7.  
 (2) Exhibit D, Tab 2, Schedule 4, Page 2, Table 8.  
 (3) Exhibit D, Tab 2, Schedule 4, Page 3, Table 9.

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ENBRIDGE GAS INC.  
 EGD Rate Zone  
TABLE 7: 2022 CUSTOMER CARBON CHARGE - VARIANCE ACCOUNT CLEARANCE UNIT RATES

		Col. 1	Col. 2	Col. 3
Line	Rate	Balance to be Cleared <sup>1</sup>	Interest <sup>2</sup>	Total Balance to be Cleared <sup>3</sup>
		(\$000's)	(\$000's)	(Col. 1 + Col. 2) (\$000's)
1.1	1	-	-	-
1.2	6	-	-	-
1.3	9	-	-	-
1.4	100	-	-	-
1.5	110	-	-	-
1.6	115	-	-	-
1.7	125	-	-	-
1.8	135	-	-	-
1.9	145	-	-	-
1.10	170	-	-	-
1.11	200	-	-	-
1.12	300	-	-	-
1.13	315	-	-	-
1.14	332	-	-	-
1	Total	-	-	-

Notes:

- (1) The balance by rate class = The total balance in Line 1, Col. 1 x (volume for each rate class in Col. 4 / total volume in Line 1, Col. 4).
- (2) The interest amount by rate class = The total interest in Line 1, Col. 2 x (the balance for each rate class in Col. 1 / the total balance in Line 1, Col. 1).
- (3) Exhibit D, Tab 2, Schedule 3, Page 1, Line 1, Col. 1.

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ENBRIDGE GAS INC.

EGD Rate Zone

TABLE 8: 2022 FACILITY CARBON CHARGE - VARIANCE ACCOUNT CLEARANCE UNIT RATES

	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	
Line	Rate	Balance to be Cleared <sup>1</sup>	Interest <sup>2</sup>	Total Balance to be Cleared <sup>3</sup>	Actual Volumes (Jan - Dec 2022)	Unit Rate
		(\$000's)	(\$000's)	(Col. 1 + Col. 2) (\$000's)	(10 <sup>3</sup> m <sup>3</sup> )	(Col. 3 / Col. 4) (¢/m <sup>3</sup> )
1.1	1	(84)	(14)	(98)	5,106,314	(0.0019)
1.2	6	(79)	(13)	(92)	4,787,677	(0.0019)
1.3	9	0	0	0	0	0.0000
1.4	100	(1)	(0)	(1)	36,815	(0.0019)
1.5	110	(20)	(3)	(23)	1,197,877	(0.0019)
1.6	115	(7)	(1)	(8)	400,995	(0.0019)
1.7	125	(12)	(2)	(14)	707,660	(0.0019)
1.8	135	(1)	(0)	(1)	59,020	(0.0019)
1.9	145	(0)	(0)	(0)	18,909	(0.0019)
1.10	170	(5)	(1)	(6)	291,964	(0.0019)
1.11	200	(3)	(1)	(4)	187,361	(0.0019)
1.12	300	(0)	(0)	(0)	269	(0.0019)
1.13	315	0	0	0	0	0.0000
1.14	332	(42)	(7)	(48)	2,516,058	(0.0019)
1	Total	(253)	(42)	(295)	15,310,921	

Notes:

(1) The balance by rate class = The total balance in Line 1, Col. 1 x (volume for each rate class in Col. 4 / total volume in Line 1, Col. 4).

(2) The interest amount by rate class = The total interest in Line 1, Col. 2 x (the balance for each rate class in Col. 1 / the total balance in Line 1, Col. 1).

(3) Exhibit D, Tab 2, Schedule 3, Page 1, Line 1, Col. 2.

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ENBRIDGE GAS INC.  
 EGD Rate Zone

TABLE 9: 2022 GREENHOUSE GAS EMISSIONS ADMINISTRATION DEFERRAL ACCOUNT CLEARANCE UNIT RATES

	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	
Line	Rate	2022 Number of Customers	Balance to be Cleared <sup>1</sup>	Interest <sup>2</sup>	Total Balance to be Cleared <sup>3</sup>	Actual Volumes (Jan - Dec 2022)	Unit Rate
			(\$000's)	(\$000's)	(Col. 2 + Col. 3) (\$000's)	(10 <sup>3</sup> m <sup>3</sup> )	(Col. 4 / Col. 5) (¢/m <sup>3</sup> )
1.1	1	2,098,227	2,310	165	2,475	5,106,314	0.0485
1.2	6	169,962	187	13	201	4,787,677	0.0042
1.3	9	2	0	0	0	0	0.0000
1.4	100	16	0	0	0	36,815	0.0001
1.5	110	415	0	0	0	1,197,877	0.0000
1.6	115	17	0	0	0	400,995	0.0000
1.7	125	4	0	0	0	707,660	0.0000
1.8	135	42	0	0	0	59,020	0.0001
1.9	145	20	0	0	0	18,909	0.0001
1.10	170	23	0	0	0	291,964	0.0000
1.11	200	1	0	0	0	187,361	0.0000
1.12	300	2	0	0	0	269	0.0009
1.13	315	0	0	0	0	0	0.0000
1.14	332	1	0	0	0	2,516,058	0.0000
1	Total	2,268,732	2,498	179	2,676	15,310,921	

Notes:

- (1) The balance by rate class = The total balance in Line 1, Col. 2 x (number of customer for each rate class in Col. 1 / total number of customer in Line 1, Col. 1).  
 (2) The interest amount by rate class = The total interest in Line 1, Col. 3 x (the balance for each rate class in Col. 2 / the total balance in Line 1, Col. 2).  
 (3) Exhibit D, Tab 2, Schedule 3, Page 1, Line 1, Col. 3.

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ENBRIDGE GAS INC.

## EGD Rate Zone

TABLE 10: 2022 FEDERAL CARBON DEFERRAL AND VARIANCE ACCOUNT CLEARANCE  
UNIT RATE SUMMARY BY RATE CLASS

The following adjustment is applicable to consumption volumes for the period January 1 to December 31, 2022.

Rate Class	Non-EPS Unit Rate (¢/m <sup>3</sup> )	EPS <sup>1</sup> Unit Rate (¢/m <sup>3</sup> )
Rate 1	0.0466	0.0466
Rate 6	0.0023	0.0023
Rate 9	0.0000	0.0000
Rate 100	(0.0018)	(0.0018)
Rate 110	(0.0019)	(0.0019)
Rate 115	(0.0019)	(0.0019)
Rate 125	(0.0019)	(0.0019)
Rate 135	(0.0018)	(0.0018)
Rate 145	(0.0018)	(0.0018)
Rate 170	(0.0019)	(0.0019)
Rate 200	(0.0019)	(0.0019)
Rate 300	(0.0010)	(0.0010)
Rate 300 Interruptible	(0.0010)	(0.0010)
Rate 315	0.0000	0.0000
Rate 332	(0.0019)	(0.0019)

(1) Includes Voluntary Participants and Other Exempt Gas Volumes.



ENBRIDGE GAS INC.  
 EGD Rate Zone  
TABLE 11: 2022 FEDERAL CARBON DEFERRAL AND VARIANCE ACCOUNT CLEARANCE  
UNIT RATE BREAKDOWN BY RATE CLASS

The following adjustment is applicable to consumption volumes for the period January 1 to December 31, 2022.

Rate Class		Non-EPS (¢/m <sup>3</sup> )	EPS <sup>1</sup> (¢/m <sup>3</sup> )
Rate 1	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0485</u>	<u>0.0485</u>
	Total	0.0466	0.0466
Rate 6	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0042</u>	<u>0.0042</u>
	Total	0.0023	0.0023
Rate 9	Customer-Related	0.0000	
	Facility-Related	0.0000	0.0000
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	0.0000	0.0000
Rate 100	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0001</u>	<u>0.0001</u>
	Total	(0.0018)	(0.0018)
Rate 110	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	(0.0019)	(0.0019)

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Rate Class		Non-EPS (¢/m <sup>3</sup> )	EPS <sup>1</sup> (¢/m <sup>3</sup> )
Rate 115	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	(0.0019)	(0.0019)
Rate 125	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	(0.0019)	(0.0019)
Rate 135	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0001</u>	<u>0.0001</u>
	Total	(0.0018)	(0.0018)
Rate 145	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0001</u>	<u>0.0001</u>
	Total	(0.0018)	(0.0018)
Rate 170	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	(0.0019)	(0.0019)
Rate 200	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	(0.0019)	(0.0019)

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Rate Class		Non-EPS (¢/m <sup>3</sup> )	EPS <sup>1</sup> (¢/m <sup>3</sup> )
Rate 300	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0009</u>	<u>0.0009</u>
	Total	(0.0010)	(0.0010)
Rate 300 Interruptible	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0009</u>	<u>0.0009</u>
	Total	(0.0010)	(0.0010)
Rate 315	Customer-Related	0.0000	
	Facility-Related	0.0000	0.0000
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	0.0000	0.0000
Rate 332	Customer-Related	0.0000	
	Facility-Related	(0.0019)	(0.0019)
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	(0.0019)	(0.0019)

(1) Includes Voluntary Participants and Other Exempt Gas Volumes.

ENBRIDGE GAS INC.  
EGD Rate Zone  
2022 FEDERAL CARBON DEFERRAL AND VARIANCE ACCOUNT CLEARANCE  
Bill Adjustment for April 2024 for Typical Customers

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Item No.	Col. 1	Col. 2	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10	Col. 11	Col. 12	Col. 13
		Volume	Annual Bill Impact for Non-EPS					Annual Bill Impact for EPS				
		Annual	Unit Rate	Total Adjustment	October 2023 Bill	October 2023 Bill Including Total Adjustment	% Impact	Unit Rate	Total Adjustment	October 2023 Bill	October 2023 Bill Including Total Adjustment	% Impact
		m <sup>3</sup>	¢/m <sup>3</sup>	\$	\$	\$	%	¢/m <sup>3</sup>	\$	\$	\$	%
<b>GENERAL SERVICE</b>												
1.1	<b>RATE 1 RESIDENTIAL</b>											
1.2	Heating & Water Heating	2,400	0.0466	1.12	1,256	1,257	0.1%	0.0466	1.12	959	960	0.1%
2.1	<b>RATE 6 COMMERCIAL</b>											
2.2	Commercial - Heating & Other Uses	22,606	0.0023	0.52	9,705	9,705	0.0%	0.0023	0.52	6,904	6,904	0.0%
2.3	General Use	43,285	0.0023	1.00	17,490	17,491	0.0%	0.0023	1.00	12,127	12,128	0.0%
<b>CONTRACT SERVICE</b>												
3.1	<b>RATE 100</b>											
3.2	Industrial - small size	339,188	(0.0018)	(6.11)	122,716	122,710	0.0%	(0.0018)	(6.11)	80,691	80,685	0.0%
4.1	<b>RATE 110</b>											
4.2	Industrial - small size, 50% LF	598,568	(0.0019)	(11.37)	204,322	204,311	0.0%	(0.0019)	(11.37)	130,160	130,148	0.0%
4.3	Industrial - avg. size, 75% LF	9,976,121	(0.0019)	(189.55)	3,228,145	3,227,956	0.0%	(0.0019)	(189.55)	1,992,104	1,991,914	0.0%
5.1	<b>RATE 115</b>											
5.2	Industrial - large size, 80% LF	69,832,850	(0.0019)	(1,326.82)	22,118,327	22,117,000	0.0%	(0.0019)	(1,326.82)	13,466,037	13,464,710	0.0%
6.1	<b>RATE 135</b>											
6.2	Industrial - Seasonal Firm	598,567	(0.0018)	(10.77)	188,546	188,535	0.0%	(0.0018)	(10.77)	114,383	114,372	0.0%
7.1	<b>RATE 145</b>											
7.2	Commercial - avg. size	598,568	(0.0018)	(10.77)	223,372	223,361	0.0%	(0.0018)	(10.77)	149,209	149,198	0.0%
8.1	<b>RATE 170</b>											
8.2	Industrial - avg. size, 75% LF	9,976,120	(0.0019)	(189.55)	2,968,476	2,968,287	0.0%	(0.0019)	(189.55)	1,732,435	1,732,245	0.0%

Notes:

- Col. 5 = Col. 3 x Col. 4 / 100.
- Col. 6 is the approved October 2023 annual bill for Sales Service customer from EB-2023-0211, Exhibit C, Tab 4, Schedule 7.
- Col. 7 = Col. 5 + Col. 6.
- Col. 8 = Col. 5 / Col. 6.
- Col. 10 = Col. 3 x Col. 9 / 100.
- Col. 11 is the approved October 2023 annual bill for Sales Service customer from EB-2023-0211, Exhibit C, Tab 4, Schedule 8.
- Col. 12 = Col. 10 + Col. 11.
- Col. 13 = Col. 10 / Col. 11.

ENBRIDGE GAS INC.  
 Union Rate Zones  
 2024 Customer-Related Volumes and Derivation of Federal Carbon Charge Unit Rate  
 Effective April 1, 2024

Line No	Rate Class	Forecast Volumes (10 <sup>3</sup> m <sup>3</sup> ) (1) (a)	Less: Transportation Volumes (10 <sup>3</sup> m <sup>3</sup> ) (b)	Customer-Related Forecast Volumes (10 <sup>3</sup> m <sup>3</sup> ) (2) (c) = (a - b)	EPS Participant & Other Exempt Volumes (10 <sup>3</sup> m <sup>3</sup> ) (3) (d)	Net Volumes (10 <sup>3</sup> m <sup>3</sup> ) (e) = (c - d)	Federal Carbon Charge (\$/m <sup>3</sup> ) (4) (f)	Federal Carbon Cost (\$) (g) = (e * f * 1000)	Federal Carbon Charge Unit Rate (¢/m <sup>3</sup> ) (h) = (g/(e*1000))*100
Union South In-Franchise Delivery									
1	Rate M1	3,269,019	-	3,269,019	2,404	3,266,616	0.1525	498,158,866	
2	Rate M2	1,322,588	-	1,322,588	90,889	1,231,698	0.1525	187,834,006	
3	Rate M4	588,002	-	588,002	224,917	363,085	0.1525	55,370,483	
4	Rate M5	59,033	-	59,033	14,958	44,075	0.1525	6,721,442	
5	Rate M7	787,495	-	787,495	586,773	200,722	0.1525	30,610,047	
6	Rate M9	96,860	-	96,860	96,860	-	0.1525	-	
7	Rate M10	-	-	-	-	-	0.1525	-	
8	Rate T1	415,185	-	415,185	334,795	80,390	0.1525	12,259,439	
9	Rate T2	5,144,604	-	5,144,604	5,110,151	34,454	0.1525	5,254,197	
10	Rate T3	278,032	-	278,032	278,032	-	0.1525	-	
11	Total Union South In-Franchise	11,960,818	-	11,960,818	6,739,779	5,221,039		796,208,479	
Union North In-Franchise Delivery									
12	Rate 01	991,715	-	991,715	312	991,403	0.1525	151,188,973	
13	Rate 10	328,079	-	328,079	10,654	317,426	0.1525	48,407,401	
14	Rate 20	857,126	-	857,126	721,209	135,917	0.1525	20,727,317	
15	Rate 25	252,236	-	252,236	237,495	14,741	0.1525	2,247,964	
16	Rate 100	1,043,637	-	1,043,637	982,288	61,349	0.1525	9,355,784	
17	Total Union North In-Franchise	3,472,794	-	3,472,794	1,951,958	1,520,836		231,927,439	
18	Total In-Franchise	15,433,612	-	15,433,612	8,691,737	6,741,875		1,028,135,918	
Ex-Franchise									
19	Rate M12 - Firm Transportation	9,967,707	9,967,707	-	-	-	0.1525	-	
20	Rate M13	69,036	69,036	-	-	-	0.1525	-	
21	Rate M16	293,376	293,376	-	-	-	0.1525	-	
22	Rate M17	29,685	29,685	-	-	-	0.1525	-	
23	Rate C1 - Firm Transportation	8,990,841	8,990,841	-	-	-	0.1525	-	
24	Total Ex-Franchise	19,350,646	19,350,646	-	-	-		-	
25	Total In-Franchise & Ex-Franchise	34,784,258	19,350,646	15,433,612	8,691,737	6,741,875		1,028,135,918	15.2500

Notes:

- (1) Exhibit B, Tab 3, Schedule 2, Col. 1 + ex-franchise forecast volumes.
- (2) Exhibit B, Tab 3, Schedule 2, Col. 1.
- (3) Exhibit B, Tab 3, Schedule 2, Col. 2.
- (4) Exhibit B, Tab 3, Schedule 6, Line 2.

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ENBRIDGE GAS INC.  
 Union Rate Zones  
 Derivation of 2024 Facility Carbon Charge  
Effective April 1, 2024

Line No.	Particulars	Enbridge Gas Combined
1	Total Facility Carbon Cost (\$000's)	7,137 <sup>1</sup>
2	2024 Forecast Volumes (10 <sup>3</sup> m <sup>3</sup> )	49,923,705 <sup>2</sup>
3	Facility Carbon Charge (cents / m <sup>3</sup> ) (line 1 / line 2 * 100)	0.0143
4	Facility Carbon Charge (\$/GJ) (line 3 / Heat Value * 10) <sup>x</sup>	0.004 <sup>3</sup>

Notes:

- (1) Exhibit B, Tab 2, Schedule 6, Line 12/1000 + Exhibit B, Tab 3, Schedule 6, Line 12/1000
- (2) Exhibit D, Tab 2, Schedule 1, Page 1, Column 1, Line 1 + Exhibit D, Tab 3, Schedule 1, Column (a), Line 25
- (3) Per Exhibit D, Tab 1, Schedule 1, the common Facility Carbon Charge is applicable to all customers.  
 Conversion to GJs based on heat value adjustment of 39.17 GJ/10<sup>3</sup>m<sup>3</sup>.

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ENBRIDGE GAS INC.  
Union Rates Zone  
2024 Carbon Charge Unit Rate Summary  
Effective April 1, 2024

Line No.	<u>Particulars (¢/m<sup>3</sup>)</u>	<u>Unit Rate</u> (a)
1	Federal Carbon Charge	15.2500 (1)
2	Facility Carbon Charge	0.0143 (2)
3	Total (line 1 + line 2)	<u><u>15.2643</u></u>

Notes:

- (1) Exhibit D, Tab 3, Schedule 1, p. 1, line 25, column (h).
- (2) Exhibit D, Tab 3, Schedule 1, p. 2, line 3, column (c).

ENBRIDGE GAS INC.  
 Union Rate Zones  
 Union North In-Franchise  
 Calculation of 2024 Sales Service and Direct Purchase Bill Impacts for Typical Small and Large Customers

Line No.	Particulars	Approved - EB-2023-0211		Proposed - EB-2023-0196			Bill Impact	
		Total Bill	Unit Rate	Total Bill	Unit Rate	Total Bill Change	Including Federal Carbon Charge	Excluding Federal Carbon Charge
		(\$)	(cents/m <sup>3</sup> )	(\$)	(cents/m <sup>3</sup> )	(\$)	(%)	(%)
		(a)	(b)	(c)	(d)	(e) = (c - a)	(f) = (e / a)	(g)
<u>Small Rate 01</u>								
1	Delivery Charges	526	23.9014	526	23.9000	(0.03)	0.0%	0.0%
2	Federal Carbon Charge	273	12.3900	336	15.2500	62.94	23.1%	0.0%
3	Gas Supply Charges (1)	533	24.2200	533	24.2200	-	0.0%	0.0%
4	Total Bill	1,331	60.5109	1,394	63.3705	62.91	4.7%	0.0%
5	Sales Service Impact					62.91	4.7%	0.0%
6	Bundled-T (Direct Purchase) Impact					62.91	6.4%	0.0%
<u>Small Rate 10</u>								
7	Delivery Charges	6,079	10.1315	6,078	10.1296	(1)	0.0%	0.0%
8	Federal Carbon Charge	7,434	12.3900	9,150	15.2500	1,716	23.1%	0.0%
9	Gas Supply Charges (1)	13,500	22.4998	13,500	22.4998	-	0.0%	0.0%
10	Total Bill	27,013	45.0213	28,728	47.8794	1,715	6.3%	0.0%
11	Sales Service Impact					1,715	6.3%	0.0%
12	Bundled-T (Direct Purchase) Impact					1,715	9.9%	0.0%
<u>Large Rate 10</u>								
13	Delivery Charges	20,106	8.0422	20,101	8.0403	(5)	0.0%	0.0%
14	Federal Carbon Charge	30,975	12.3900	38,125	15.2500	7,150	23.1%	0.0%
15	Gas Supply Charges (1)	56,250	22.4998	56,250	22.4998	-	0.0%	0.0%
16	Total Bill	107,330	42.9320	114,475	45.7901	7,145	6.7%	0.0%
17	Sales Service Impact					7,145	6.7%	0.0%
18	Bundled-T (Direct Purchase) Impact					7,145	10.6%	0.0%
<u>Small Rate 20</u>								
19	Delivery Charges	94,669	3.1556	94,612	3.1537	(57)	-0.1%	-0.1%
20	Federal Carbon Charge	371,700	12.3900	457,500	15.2500	85,800	23.1%	0.0%
21	Gas Supply Charges (1)	536,155	17.8718	536,155	17.8718	-	0.0%	0.0%
22	Total Bill	1,002,524	33.4175	1,088,267	36.2756	85,743	8.6%	0.0%
23	Sales Service Impact					85,743	8.6%	0.0%
24	Bundled-T (Direct Purchase) Impact					85,743	15.9%	0.0%
<u>Large Rate 20</u>								
25	Delivery Charges	369,182	2.4612	368,897	2.4593	(285)	-0.1%	-0.1%
26	Federal Carbon Charge	1,858,500	12.3900	2,287,500	15.2500	429,000	23.1%	0.0%
27	Gas Supply Charges (1)	2,629,807	17.5320	2,629,807	17.5320	-	0.0%	0.0%
28	Total Bill	4,857,489	32.3833	5,286,204	35.2414	428,715	8.8%	0.0%
29	Sales Service Impact					428,715	8.8%	0.0%
30	Bundled-T (Direct Purchase) Impact					428,715	16.9%	0.0%
<u>Average Rate 25</u>								
31	Delivery Charges	79,025	3.4736	78,981	3.4717	(43)	-0.1%	-0.1%
32	Federal Carbon Charge	281,873	12.3900	346,938	15.2500	65,065	23.1%	0.0%
33	Gas Supply Charges (1)	375,031	16.4849	375,031	16.4849	-	0.0%	0.0%
34	Total Bill	735,928	32.3485	800,950	35.2066	65,022	8.8%	0.0%
35	Sales Service Impact					65,022	8.8%	0.0%
36	T-Service (Direct Purchase) Impact					65,022	18.0%	-0.1%
<u>Small Rate 100</u>								
37	Delivery Charges	340,651	1.2617	340,138	1.2598	(513)	-0.2%	-0.2%
38	Federal Carbon Charge	3,345,300	12.3900	4,117,500	15.2500	772,200	23.1%	0.0%
39	Gas Supply Charges (1)	5,377,033	19.9149	5,377,033	19.9149	-	0.0%	0.0%
40	Total Bill	9,062,984	33.5666	9,834,671	36.4247	771,687	8.5%	0.0%
41	Sales Service Impact					771,687	8.5%	0.0%
42	T-Service (Direct Purchase) Impact					771,687	20.9%	-0.2%
<u>Large Rate 100</u>								
43	Delivery Charges	2,781,394	1.1589	2,776,834	1.1570	(4,560)	-0.2%	-0.2%
44	Federal Carbon Charge	29,736,000	12.3900	36,600,000	15.2500	6,864,000	23.1%	0.0%
45	Gas Supply Charges (1)	47,331,576	19.7215	47,331,576	19.7215	-	0.0%	0.0%
46	Total Bill	79,848,970	33.2704	86,708,410	36.1285	6,859,440	8.6%	0.0%
47	Sales Service Impact					6,859,440	8.6%	0.0%
48	T-Service (Direct Purchase) Impact					6,859,440	21.1%	-0.2%

Notes:

(1) Gas Supply charges based on Union North East Zone.



ENBRIDGE GAS INC.  
 Union Rate Zones  
 Union South In-Franchise  
 Calculation of 2024 Sales Service and Direct Purchase Bill Impacts for Typical Small and Large Customers

Line No.	Particulars	Approved - EB-2023-0211		Proposed - EB-2023-0196			Bill Impact	
		Total Bill	Unit Rate	Total Bill	Unit Rate	Total Bill Change	Including Federal Carbon Charge	Excluding Federal Carbon Charge
		(\$)	(cents/m <sup>3</sup> )	(\$)	(cents/m <sup>3</sup> )	(\$)	(%)	(%)
		(a)	(b)	(c)	(d)	(e) = (c - a)	(f) = (e / a)	(g)
<u>Small Rate M1</u>								
1	Delivery Charges	444	20.1655	444	20.1641	(0.03)	0.0%	0.0%
2	Federal Carbon Charge	273	12.3900	336	15.2500	62.94	23.1%	0.0%
3	Gas Supply Charges	346	15.7273	346	15.7273	-	0.0%	0.0%
4	Total Bill	<u>1,062</u>	<u>48.2823</u>	<u>1,125</u>	<u>51.1418</u>	<u>62.91</u>	<u>5.9%</u>	<u>0.0%</u>
5	Sales Service Impact					62.91	5.9%	0.0%
6	Direct Purchase Impact					62.91	8.8%	0.0%
<u>Small Rate M2</u>								
7	Delivery Charges	5,082	8.4697	5,081	8.4678	(1)	0.0%	0.0%
8	Federal Carbon Charge	7,434	12.3900	9,150	15.2500	1,716	23.1%	0.0%
9	Gas Supply Charges	9,436	15.7273	9,436	15.7273	-	0.0%	0.0%
10	Total Bill	<u>21,952</u>	<u>36.5870</u>	<u>23,667</u>	<u>39.4451</u>	<u>1,715</u>	<u>7.8%</u>	<u>0.0%</u>
11	Sales Service Impact					1,715	7.8%	0.0%
12	Direct Purchase Impact					1,715	13.7%	0.0%
<u>Large Rate M2</u>								
13	Delivery Charges	17,384	6.9535	17,379	6.9516	(5)	0.0%	0.0%
14	Federal Carbon Charge	30,975	12.3900	38,125	15.2500	7,150	23.1%	0.0%
15	Gas Supply Charges	39,318	15.7273	39,318	15.7273	-	0.0%	0.0%
16	Total Bill	<u>87,677</u>	<u>35.0708</u>	<u>94,822</u>	<u>37.9289</u>	<u>7,145</u>	<u>8.1%</u>	<u>0.0%</u>
17	Sales Service Impact					7,145	8.1%	0.0%
18	Direct Purchase Impact					7,145	14.8%	0.0%
<u>Small Rate M4</u>								
19	Delivery Charges	57,456	6.5664	57,439	6.5645	(17)	0.0%	0.0%
20	Federal Carbon Charge	108,413	12.3900	133,438	15.2500	25,025	23.1%	0.0%
21	Gas Supply Charges	137,614	15.7273	137,614	15.7273	-	0.0%	0.0%
22	Total Bill	<u>303,482</u>	<u>34.6837</u>	<u>328,491</u>	<u>37.5418</u>	<u>25,008</u>	<u>8.2%</u>	<u>0.0%</u>
23	Sales Service Impact					25,008	8.2%	0.0%
24	Direct Purchase Impact					25,008	15.1%	0.0%
<u>Large Rate M4</u>								
25	Delivery Charges	460,937	3.8411	460,709	3.8392	(228)	0.0%	0.0%
26	Federal Carbon Charge	1,486,800	12.3900	1,830,000	15.2500	343,200	23.1%	0.0%
27	Gas Supply Charges	1,887,276	15.7273	1,887,276	15.7273	-	0.0%	0.0%
28	Total Bill	<u>3,835,013</u>	<u>31.9584</u>	<u>4,177,985</u>	<u>34.8165</u>	<u>342,972</u>	<u>8.9%</u>	<u>0.0%</u>
29	Sales Service Impact					342,972	8.9%	0.0%
30	Direct Purchase Impact					342,972	17.6%	0.0%
<u>Small Rate M5</u>								
31	Delivery Charges	38,515	4.6685	38,500	4.6666	(16)	0.0%	0.0%
32	Federal Carbon Charge	102,218	12.3900	125,813	15.2500	23,595	23.1%	0.0%
33	Gas Supply Charges	129,750	15.7273	129,750	15.7273	-	0.0%	0.0%
34	Total Bill	<u>270,483</u>	<u>32.7858</u>	<u>294,062</u>	<u>35.6439</u>	<u>23,579</u>	<u>8.7%</u>	<u>0.0%</u>
35	Sales Service Impact					23,579	8.7%	0.0%
36	Direct Purchase Impact					23,579	16.8%	0.0%
<u>Large Rate M5</u>								
37	Delivery Charges	224,980	3.4612	224,857	3.4593	(124)	-0.1%	-0.1%
38	Federal Carbon Charge	805,350	12.3900	991,250	15.2500	185,900	23.1%	0.0%
39	Gas Supply Charges	1,022,275	15.7273	1,022,275	15.7273	-	0.0%	0.0%
40	Total Bill	<u>2,052,605</u>	<u>31.5785</u>	<u>2,238,381</u>	<u>34.4366</u>	<u>185,777</u>	<u>9.1%</u>	<u>0.0%</u>
41	Sales Service Impact					185,777	9.1%	0.0%
42	Direct Purchase Impact					185,777	18.0%	-0.1%
<u>Small Rate M7</u>								
43	Delivery Charges	821,316	2.2814	820,632	2.2795	(684)	-0.1%	-0.1%
44	Federal Carbon Charge	4,460,400	12.3900	5,490,000	15.2500	1,029,600	23.1%	0.0%
45	Gas Supply Charges	5,661,828	15.7273	5,661,828	15.7273	-	0.0%	0.0%
46	Total Bill	<u>10,943,544</u>	<u>30.3987</u>	<u>11,972,460</u>	<u>33.2568</u>	<u>1,028,916</u>	<u>9.4%</u>	<u>0.0%</u>
47	Sales Service Impact					1,028,916	9.4%	0.0%
48	Direct Purchase Impact					1,028,916	19.5%	-0.1%
<u>Large Rate M7</u>								
49	Delivery Charges	3,142,228	6.0427	3,141,240	6.0408	(988)	0.0%	0.0%
50	Federal Carbon Charge	6,442,800	12.3900	7,930,000	15.2500	1,487,200	23.1%	0.0%
51	Gas Supply Charges	8,178,196	15.7273	8,178,196	15.7273	-	0.0%	0.0%
52	Total Bill	<u>17,763,224</u>	<u>34.1600</u>	<u>19,249,436</u>	<u>37.0181</u>	<u>1,486,212</u>	<u>8.4%</u>	<u>0.0%</u>
53	Sales Service Impact					1,486,212	8.4%	0.0%
54	Direct Purchase Impact					1,486,212	15.5%	0.0%

ENBRIDGE GAS INC.  
 Union Rate Zones  
 Union South In-Franchise  
 Calculation of 2024 Sales Service and Direct Purchase Bill Impacts for Typical Small and Large Customers

Line No.	Particulars	Approved - EB-2023-0211		Proposed - EB-2023-0196		Bill Impact		
		Total Bill	Unit Rate	Total Bill	Unit Rate	Total Bill Change	Including Federal Carbon Charge	Excluding Federal Carbon Charge
		(\$)	(cents/m <sup>3</sup> )	(\$)	(cents/m <sup>3</sup> )	(\$)	(%)	(%)
		(a)	(b)	(c)	(d)	(e) = (c - a)	(f) = (e / a)	(g)
<u>Small Rate M9</u>								
1	Delivery Charges	205,690	2.9596	205,558	2.9577	(132)		-0.1%
2	Gas Supply Charges	1,093,047	15.7273	1,093,047	15.7273	-		0.0%
3	Total Bill	1,298,737	18.6869	1,298,605	18.6850	(132)		0.0%
4	Sales Service Impact					(132)		0.0%
5	Direct Purchase Impact					(132)		-0.1%
<u>Large Rate M9</u>								
6	Delivery Charges	611,036	3.0282	610,653	3.0263	(383)		-0.1%
7	Gas Supply Charges	3,173,455	15.7273	3,173,455	15.7273	-		0.0%
8	Total Bill	3,784,491	18.7555	3,784,108	18.7536	(383)		0.0%
9	Sales Service Impact					(383)		0.0%
10	Direct Purchase Impact					(383)		-0.1%
<u>Average Rate M10</u>								
11	Delivery Charges	8,153	8.6276	8,151	8.6257	(2)		0.0%
12	Gas Supply Charges	14,862	15.7273	14,862	15.7273	-		0.0%
13	Total Bill	23,015	24.3549	23,014	24.3530	(2)		0.0%
14	Sales Service Impact					(2)		0.0%
15	Direct Purchase Impact					(2)		0.0%
<u>Small Rate T1</u>								
16	Delivery Charges	177,585	2.3562	177,442	2.3543	(143)	-0.1%	-0.1%
17	Federal Carbon Charge	933,834	12.3900	1,149,393	15.2500	215,558	23.1%	0.0%
18	Gas Supply Charges	1,185,367	15.7273	1,185,367	15.7273	-	0.0%	0.0%
19	Total Bill	2,296,786	30.4735	2,512,201	33.3316	215,415	9.4%	0.0%
20	Sales Service Impact					215,415	9.4%	0.0%
21	Direct Purchase Impact					215,415	19.4%	-0.1%
<u>Average Rate T1</u>								
22	Delivery Charges	276,165	2.3877	275,946	2.3858	(220)	-0.1%	-0.1%
23	Federal Carbon Charge	1,433,020	12.3900	1,763,806	15.2500	330,786	23.1%	0.0%
24	Gas Supply Charges	1,819,010	15.7273	1,819,010	15.7273	-	0.0%	0.0%
25	Total Bill	3,528,195	30.5050	3,858,761	33.3631	330,566	9.4%	0.0%
26	Sales Service Impact					330,566	9.4%	0.0%
27	Direct Purchase Impact					330,566	19.3%	-0.1%
<u>Large Rate T1</u>								
28	Delivery Charges	622,349	2.4288	621,862	2.4269	(487)	-0.1%	-0.1%
29	Federal Carbon Charge	3,174,824	12.3900	3,907,672	15.2500	732,849	23.1%	0.0%
30	Gas Supply Charges	4,029,976	15.7273	4,029,976	15.7273	-	0.0%	0.0%
31	Total Bill	7,827,148	30.5461	8,559,510	33.4042	732,362	9.4%	0.0%
32	Sales Service Impact					732,362	9.4%	0.0%
33	Direct Purchase Impact					732,362	19.3%	-0.1%
<u>Small Rate T2</u>								
34	Delivery Charges	785,640	1.3258	784,514	1.3239	(1,126)	-0.1%	-0.1%
35	Federal Carbon Charge	7,341,818	12.3900	9,036,540	15.2500	1,694,722	23.1%	0.0%
36	Gas Supply Charges	9,319,369	15.7273	9,319,369	15.7273	-	0.0%	0.0%
37	Total Bill	17,446,827	29.4431	19,140,423	32.3012	1,693,596	9.7%	0.0%
38	Sales Service Impact					1,693,596	9.7%	0.0%
39	Direct Purchase Impact					1,693,596	20.8%	-0.1%
<u>Average Rate T2</u>								
40	Delivery Charges	1,928,348	0.9749	1,924,590	0.9730	(3,758)	-0.2%	-0.2%
41	Federal Carbon Charge	24,506,162	12.3900	30,162,952	15.2500	5,656,790	23.1%	0.0%
42	Gas Supply Charges	31,107,003	15.7273	31,107,003	15.7273	-	0.0%	0.0%
43	Total Bill	57,541,513	29.0922	63,194,545	31.9503	5,653,032	9.8%	0.0%
44	Sales Service Impact					5,653,032	9.8%	0.0%
45	Direct Purchase Impact					5,653,032	21.4%	-0.2%
<u>Large Rate T2</u>								
46	Delivery Charges	3,206,006	0.8663	3,198,974	0.8644	(7,032)	-0.2%	-0.2%
47	Federal Carbon Charge	45,854,027	12.3900	56,438,573	15.2500	10,584,545	23.1%	0.0%
48	Gas Supply Charges	58,205,007	15.7273	58,205,007	15.7273	-	0.0%	0.0%
49	Total Bill	107,265,040	28.9836	117,842,554	31.8417	10,577,514	9.9%	0.0%
50	Sales Service Impact					10,577,514	9.9%	0.0%
51	Direct Purchase Impact					10,577,514	21.6%	-0.2%
<u>Large Rate T3</u>								
52	Delivery Charges	6,483,120	2.3773	6,477,939	2.3754	(5,182)		-0.1%
53	Gas Supply Charges	42,890,234	15.7273	42,890,234	15.7273	-		0.0%
54	Total Bill	49,373,354	18.1046	49,368,173	18.1027	(5,182)		0.0%
55	Sales Service Impact					(5,182)		0.0%
56	Direct Purchase Impact					(5,182)		-0.1%

ENBRIDGE GAS INC.  
 Union Rate Zones  
Summary of 2022 Federal Carbon Deferral and Variance Accounts

Line No.	Particulars (\$000's)	Customer Carbon Charge - Variance Account 179-421 (a)	Facility Carbon Charge - Variance Account 179-420 (b)	Greenhouse Gas Emissions Administration Deferral Account 179-422 (c)	Total (d) = (a+b+c)
1	Balance	-	(2,910)	2,617	(293)
2	Interest	-	(345)	184	(161)
3	Total (1)	-	(3,255)	2,801	(454)

Notes:

(1) Exhibit D, Tab 3, Schedule 3, page 2.

ENBRIDGE GAS INC.  
 Union Rate Zones  
 Summary of Allocation of 2022 Federal Carbon Deferral and Variance Accounts

Line No.	Particulars (\$000's)	Allocators		Account Balances			Total (f) = (c+d+e)
		Jan - Dec 2022 Total Volumes 10 <sup>3</sup> m <sup>3</sup> (a)	Total 2013 A&G (\$000's) (b)	Customer Carbon Charge - Variance Account 179-421 (c)	Facility Carbon Charge - Variance Account 179-420 (1) (d)	Greenhouse Gas Emissions Administration Deferral Account 179-422 (2) (e)	
<u>Union South In-Franchise</u>							
1	Rate M1	3,183,662	80,159	-	(236)	1,415	1,179
2	Rate M2	1,226,228	7,513	-	(91)	133	42
3	Rate M4	601,877	2,801	-	(45)	49	5
4	Rate M5	60,809	3,131	-	(5)	55	51
5	Rate M7	750,067	787	-	(56)	14	(42)
6	Rate M9	96,890	108	-	(7)	2	(5)
7	Rate M10	331	25	-	(0)	0	0
8	Rate T1	440,944	2,036	-	(33)	36	3
9	Rate T2	4,850,508	5,624	-	(359)	99	(260)
10	Rate T3	278,032	627	-	(21)	11	(10)
11	Total South In-Franchise	11,489,346	102,812	-	(851)	1,815	964
<u>Union North In-Franchise</u>							
12	Rate 01	1,010,936	31,817	-	(75)	562	487
13	Rate 10	320,456	2,759	-	(24)	49	25
14	Rate 20	879,345	2,373	-	(65)	42	(23)
15	Rate 25	151,281	2,089	-	(11)	37	26
16	Rate 100	943,946	953	-	(70)	17	(53)
17	Total North In-Franchise	3,305,964	39,992	-	(245)	706	461
<u>Ex-Franchise</u>							
18	Rate M12	21,734,275	14,918	-	(1,610)	263	(1,347)
19	Rate M13	46,695	0	-	(3)	0	(3)
20	Rate M16	360,721	21	-	(27)	0	(26)
21	Rate M17	25,725	-	-	(2)	-	(2)
22	Rate C1	6,972,242	323	-	(517)	6	(511)
23	Excess Utility Storage Space	-	597	-	-	11	11
24	Total Ex-Franchise	29,139,658	15,859	-	(2,159)	280	(1,879)
25	Total In-Franchise & Ex-Franchise	43,934,968	158,663	-	(3,255)	2,801	(454)

Notes:

- (1) Allocated in proportion to column (a).  
 (2) Allocated in proportion to column (b).

Filed: 2023-09-28  
 EB-2023-0196  
 Exhibit D  
 Tab 3  
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ENBRIDGE GAS INC.  
 Union Rate Zones  
 Unit Rates for One-Time Adjustment - Delivery  
2022 Federal Carbon Deferral and Variance Account Disposition

Line No.	Particulars	Rate Class	Deferral Balance for Disposition (\$000's) (1) (a)	Volume (10 <sup>3</sup> m <sup>3</sup> ) (b)	Unit Rate (cents/m <sup>3</sup> ) (c) = (a / b)*100
<u>Union North</u>					
1	Small Volume General Service	01	487	1,010,936	0.0482
2	Large Volume General Service	10	25	320,456	0.0078
3	Medium Volume Firm Service	20	(23)	879,345	(0.0026)
4	Large Volume Interruptible	25	26	151,281	0.0170
5	Large Volume High Load Factor	100	(53)	943,946	(0.0056)
<u>Union South</u>					
6	Small Volume General Service	M1	1,179	3,183,662	0.0370
7	Large Volume General Service	M2	42	1,226,228	0.0034
8	Firm Com/Ind Contract	M4	5	601,877	0.0008
9	Interruptible Com/Ind Contract	M5	51	60,809	0.0835
10	Special Large Volume Contract	M7	(42)	750,067	(0.0056)
11	Large Wholesale	M9	(5)	96,890	(0.0054)
12	Small Wholesale	M10	0	331	0.1281
13	Contract Carriage Service	T1	3	440,944	0.0007
14	Contract Carriage Service	T2	(260)	4,850,508	(0.0054)
15	Contract Carriage- Wholesale	T3	(10)	278,032	(0.0034)
16	Total		1,425		

Notes:

(1) Exhibit D, Tab 3, Schedule 3, page 2, column (f).

Filed: 2023-09-28  
 EB-2023-0196  
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ENBRIDGE GAS INC.  
 Union Rate Zones  
 Ex-Franchise Amounts for Disposition  
2022 Federal Carbon Deferral and Variance Account Disposition

Line No.	Particulars (\$000's) (1)	Rate Class	Deferral Balance for Disposition (\$000's) (2) (a)
1	Storage and Transportation	M12	(1,347)
2	Local Production	M13	(3)
3	Storage Transportation Service	M16	(26)
4	Transportation Service	M17	(2)
5	Short-Term Cross Franchise	C1	<u>(511)</u>
6	Total Ex-Franchise		(1,890)

Notes:

- (1) Exhibit D, Tab 3, Schedule 3, page 2, column (f).  
 (2) Ex-franchise M12, M13, M16, M17 and C1 customer specific amounts determined using approved deferral account allocation methodologies.

**ENBRIDGE GAS INC.**  
 Union Rate Zones  
 Typical Bill Impacts  
2022 Federal Carbon Deferral and Variance Account Disposition

Line No.	Volume	Annual Bill Impact for Non-EPS						Annual Bill Impact for EPS				
		Annual m <sup>3</sup>	Unit Rate (1)	Total Adjustment \$	October 2023 Bill		Impact %	Unit Rate (1) ¢/m <sup>3</sup>	Total Adjustment \$	October 2023 Bill		Impact %
			¢/m <sup>3</sup>		October 2023 Bill (2) \$	Including Total Adjustment \$				October 2023 Bill (2) \$	Including Total Adjustment \$	
(a)	(b)	(c) = (a x b) / 100	(d)	(e) = (d + c)	(f) = (c / d)	(g)	(h) = (a x g) / 100	(i)	(j) = (i + h)	(k) = (h / i)		
<b>GENERAL SERVICE</b>												
<b>Union North</b>												
1	Small Rate 01	2,200	0.0482	1.06	1,331	1,332	0.1%	0.0482	1.06	1,059	1,060	0.1%
2	Small Rate 10	60,000	0.0078	4.68	27,013	27,017	0.0%	0.0078	4.68	19,579	19,583	0.0%
3	Large Rate 10	250,000	0.0078	19.48	107,330	107,350	0.0%	0.0078	19.48	76,355	76,375	0.0%
<b>Union South</b>												
4	Small Rate M1	2,200	0.0370	0.81	1,062	1,063	0.1%	0.0370	0.81	790	790	0.1%
5	Small Rate M2	60,000	0.0034	2.04	21,952	21,954	0.0%	0.0034	2.04	14,518	14,520	0.0%
6	Large Rate M2	250,000	0.0034	8.52	87,677	87,686	0.0%	0.0034	8.52	56,702	56,711	0.0%
<b>CONTRACT SERVICE</b>												
<b>Union North</b>												
7	Small Rate 20	3,000,000	(0.0026)	(79)	1,002,524	1,002,444	0.0%	(0.0026)	(79)	630,824	630,744	0.0%
8	Large Rate 20	15,000,000	(0.0026)	(397)	4,857,489	4,857,092	0.0%	(0.0026)	(397)	2,998,989	2,998,592	0.0%
9	Average Rate 25	2,275,000	0.0170	386	735,928	736,315	0.1%	0.0170	386	454,056	454,442	0.1%
10	Small Rate 100	27,000,000	(0.0056)	(1,519)	9,062,984	9,061,465	0.0%	(0.0056)	(1,519)	5,717,684	5,716,165	0.0%
11	Large Rate 100	240,000,000	(0.0056)	(13,504)	79,848,970	79,835,466	0.0%	(0.0056)	(13,504)	50,112,970	50,099,466	0.0%
<b>Union South</b>												
12	Small Rate M4	875,000	0.0008	7	303,482	303,489	0.0%	0.0008	7	195,070	195,077	0.0%
13	Large Rate M4	12,000,000	0.0008	97	3,835,013	3,835,110	0.0%	0.0008	97	2,348,213	2,348,310	0.0%
14	Small Rate M5 Interruptible	825,000	0.0835	689	270,483	271,172	0.3%	0.0835	689	168,265	168,954	0.4%
15	Large Rate M5 Interruptible	6,500,000	0.0835	5,427	2,052,605	2,058,031	0.3%	0.0835	5,427	1,247,255	1,252,681	0.4%
16	Small Rate M7	36,000,000	(0.0056)	(2,000)	10,943,544	10,941,544	0.0%	(0.0056)	(2,000)	6,483,144	6,481,144	0.0%
17	Large Rate M7	52,000,000	(0.0056)	(2,889)	17,763,224	17,760,335	0.0%	(0.0056)	(2,889)	11,320,424	11,317,535	0.0%
18	Small Rate M9	6,950,000	(0.0054)	(378)				(0.0054)	(378)	1,298,737	1,298,359	0.0%
19	Large Rate M9	20,178,000	(0.0054)	(1,098)				(0.0054)	(1,098)	3,784,491	3,783,393	0.0%
20	Average Rate M10	94,500						0.1281	121	23,015	23,136	0.5%
21	Small Rate T1	7,537,000	0.0007	56	2,296,786	2,296,842	0.0%	0.0007	56	1,362,951	1,363,007	0.0%
22	Average Rate T1	11,565,938	0.0007	86	3,528,195	3,528,281	0.0%	0.0007	86	2,095,175	2,095,261	0.0%
23	Large Rate T1	25,624,080	0.0007	190	7,827,148	7,827,339	0.0%	0.0007	190	4,652,325	4,652,515	0.0%
24	Small Rate T2	59,256,000	(0.0054)	(3,178)	17,446,827	17,443,650	0.0%	(0.0054)	(3,178)	10,105,009	10,101,831	0.0%
25	Average Rate T2	197,789,850	(0.0054)	(10,606)	57,541,513	57,530,907	0.0%	(0.0054)	(10,606)	33,035,351	33,024,745	0.0%
26	Large Rate T2	370,089,000	(0.0054)	(19,845)	107,265,040	107,245,195	0.0%	(0.0054)	(19,845)	61,411,013	61,391,168	0.0%
27	Large Rate T3	272,712,000						(0.0034)	(9,354)	49,373,354	49,364,000	0.0%

Notes:

- (1) Unit rates calculated at Exhibit D, Tab 3, Schedule 4.
- (2) Typical annual bill for a sales service customer at approved October 2023 QRAM rates (EB-2023-0211).



October 30, 2023

The Honourable Doug Ford, Premier of Ontario  
 Premier's Office, Room 281  
 Legislative Building, Queen's Park  
 Toronto, ON M7A 1A1

**Delivered by email**  
 premier@ontario.ca

Dear Premier:

**Re: Town of Aurora Council Resolution of October 24, 2023**

**Motion 10.1 – Councillor Kim; Re: Cannabis Retail Applications for the Town of Aurora**

Please be advised that this matter was considered by Council at its meeting held on October 24, 2023, and in this regard, Council adopted the following resolution:

**Whereas in January 2019, Council voted in favour of retail Cannabis in the Town of Aurora; and**

**Whereas the Alcohol and Gaming Commission of Ontario (AGCO) is the legal body overseeing Cannabis Retail; and**

**Whereas the Town of Aurora with geography of 7 km x 7 km and population of 64,000 currently has 13 Cannabis retail stores and 1 authorized at the AGCO; and**

**Whereas the long-term vision of the Town's Official Plan supports active and healthy lifestyle choices to complement a complete community; and**

**Whereas many cannabis stores are within close proximity to schools and daycares which are inhabited by society's most vulnerable; and**

**Whereas the Province of Ontario Liquor Licence and Control Act, 2019 (LLCA) in its regulation already has a precedent by limiting the number of grocery stores licensed to sell beer, wine, and cider to 450 and is currently not accepting any more applications;**

- 1. Now Therefore Be It Hereby Resolved That the Town of Aurora requests that the Government of Ontario through its Alcohol and Gaming Commission of Ontario (AGCO) no longer accepts any further cannabis retail applications for the Town of Aurora; and**



Town of Aurora Council Resolution of October 24, 2023  
Cannabis Retail Applications for the Town of Aurora  
October 30, 2023

2 of 2

2. **Be It Further Resolved That the Town of Aurora requests that the Government of Ontario re-evaluate its “formula” on how many cannabis stores are permissible within the boundaries of a municipality, including but not limited to:**
  - a. Utilizing a cap or upper limit;
  - b. Utilizing a population per capita formula;
  - c. Utilizing a distance to the next cannabis retail store formula; and
3. **Be It Further Resolved That should the Government of Ontario revisit the retail Cannabis formula guiding the number of cannabis retail stores permissible in a municipality, that it would extend to all existing municipalities; and**
4. **Be It Further Resolved That a copy of this Motion be sent to the Honourable Doug Ford, Premier of Ontario; the Honourable Doug Downey, Attorney General of Ontario; Dawn Gallagher Murphy, MPP Newmarket—Aurora; and the Honourable Michael Parsa, MPP Aurora—Oak Ridges—Richmond Hill; and**
5. **Be It Further Resolved That a copy of this Motion be sent to the Association of Municipalities of Ontario (AMO) and all Ontario municipalities for their consideration.**

The above is for your consideration and any attention deemed necessary.

Yours sincerely,



Michael de Rond  
Town Clerk  
The Corporation of the Town of Aurora

MdR/lb

Attachment (Council meeting extract)

Copy: Hon. Doug Downey, Attorney General of Ontario  
Dawn Gallagher Murphy, MPP Newmarket—Aurora  
Hon. Michael Parsa, MPP Aurora—Oak Ridges—Richmond Hill  
Association of Municipalities of Ontario (AMO)  
All Ontario Municipalities



100 John West Way  
Aurora, Ontario  
L4G 6J1  
(905) 727-3123  
aurora.ca

Town of Aurora

## Council Meeting Extract

Tuesday, October 24, 2023

---

### 10. Motions

#### 10.1 Councillor Kim; Re: Cannabis Retail Applications for the Town of Aurora

**Moved by** Councillor Kim

**Seconded by** Councillor Gilliland

Whereas in January 2019, Council voted in favour of retail Cannabis in the Town of Aurora; and

Whereas the Alcohol and Gaming Commission of Ontario (AGCO) is the legal body overseeing Cannabis Retail; and

Whereas the Town of Aurora with geography of 7 km x 7 km and population of 64,000 currently has 13 Cannabis retail stores and 1 authorized at the AGCO; and

Whereas the long-term vision of the Town's Official Plan supports active and healthy lifestyle choices to complement a complete community; and

Whereas many cannabis stores are within close proximity to schools and daycares which are inhabited by society's most vulnerable; and

Whereas the Province of Ontario Liquor Licence and Control Act, 2019 (LLCA) in its regulation already has a precedent by limiting the number of grocery stores licensed to sell beer, wine, and cider to 450 and is currently not accepting any more applications;

1. Now Therefore Be It Hereby Resolved That the Town of Aurora requests that the Government of Ontario through its Alcohol and Gaming Commission of Ontario (AGCO) no longer accepts any further cannabis retail applications for the Town of Aurora; and
2. Be It Further Resolved That the Town of Aurora requests that the Government of Ontario re-evaluate its "formula" on how many cannabis stores are permissible within the boundaries of a municipality, including but not limited to:
  - a. Utilizing a cap or upper limit;
  - b. Utilizing a population per capita formula;
  - c. Utilizing a distance to the next cannabis retail store formula; and

3. Be It Further Resolved That should the Government of Ontario revisit the retail Cannabis formula guiding the number of cannabis retail stores permissible in a municipality, that it would extend to all existing municipalities; and
4. Be It Further Resolved That a copy of this Motion be sent to the Honourable Doug Ford, Premier of Ontario; the Honourable Doug Downey, Attorney General of Ontario; Dawn Gallagher Murphy, MPP Newmarket–Aurora; and the Honourable Michael Parsa, MPP Aurora–Oak Ridges–Richmond Hill; and
5. Be It Further Resolved That a copy of this Motion be sent to the Association of Municipalities of Ontario (AMO) and all Ontario municipalities for their consideration.

Yeas (7): Mayor Mrakas, Councillor Weese, Councillor Gilliland, Councillor Gaertner, Councillor Thompson, Councillor Gallo, and Councillor Kim

**Carried**



**Municipality of Huron East  
Personnel Committee Meeting  
Wednesday, November 1, 2023  
Council Chambers**

**2<sup>nd</sup> Floor, 72 Main Street South, Seaforth**

**Members Present:**

Mayor Bernie MacLellan; Councillors: Raymond Chartrand, Dianne Diehl, Bob Fisher and Councillor Justin Morrison

**Staff Present:**

CAO Brad McRoberts; Director of Finance/Treasurer Stacy Grenier and Clerk Jessica Rudy

**1. Call to Order**

Clerk Jessica Rudy called the meeting to order at 4:01 p.m.

**2. Election of Chair and Vice Chair**

Clerk Jessica Rudy called for nominations of Chair.

Mayor MacLellan and Councillor Fisher nominated Councillor Chartrand for the position of Chair.

Councillor Chartrand confirmed he would be willing to accept the nomination.

J. Rudy called for additional nominations three times and none were provided.

Moved by Mayor MacLellan and Seconded by Councillor Fisher:

That Councillor Chartrand be appointed as Chair of the Personnel Committee.

Carried

Clerk Jessica Rudy called for nominations of Vice Chair.

Councillor Fisher nominated Councillor Diehl for the position of Vice Chair.

Councillor Diehl confirmed she would be willing to accept the nomination.

J. Rudy called for additional nominations three times and none were provided.

Moved by Councillor Fisher and Seconded by Councillor Chartrand:

That Councillor Diehl be appointed as Vice Chair of the Personnel Committee.

Carried

Councillor Chartrand assumed the Chair.

**3. Adopt Agenda**

Moved by Councillor Diehl and Seconded by Councillor Morrison:

That the agenda dated November 1, 2023, be adopted as circulated.

Carried

**4. Declaration of Pecuniary Interests**

None declared.

## **5. Delegations**

## **6. Adoption of Meeting Minutes**

Moved by Councillor Fisher and Seconded by Councillor Diehl:

That the meeting minutes from November 8, 2022 be approved, as circulated.

Carried

## **7. Business Arising from the Minutes**

## **8. Reports and Recommendations of Municipal Officers**

### **8.1. CAO-23-32, 2024 Cost of Living Adjustment (COLA)**

The Committee confirmed that 3% was used for budget forecasts and that the recommendation is to approve the 3.8% for 2024.

Moved by Mayor MacLellan and Seconded by Councillor Diehl:

That the Personnel Committee recommend to the Council of the Municipality of Huron East a cost of living adjustment of 3.8% to be applied to all staff wages.

Carried

## **9. Correspondence**

## **10. Other Business**

In response to Councillor Fisher requesting clarification on requesting items to be placed on the agenda, CAO Brad McRoberts explained that the Personnel Committee is mandated to recommend cost of living allowances and that employee matters and processes could be addressed at Council or through discussions with the CAO.

## **11. Closed Session**

## **12. Adjournment**

Moved by Mayor MacLellan and Seconded by Councillor Diehl:

That the meeting adjourn at 4:12 p.m.

Carried

---

Raymond Chartrand, Chair

---

Jessica Rudy, Clerk

**Huron East  
Administration**

**To:** Mayor MacLellan and Members of Council

**From:** Jessica Rudy, Clerk

**Date:** November 7, 2023

**Subject:** Ontario Ombudsman Complaint Resolution

---

**Recommendation:**

Received for information.

**Background:**

In June 2023 a complaint was made to the Ombudsman Office regarding the Integrity Commissioner's (Aird & Berlis LLP) investigation and report related to the code of conduct complaint received in May 2023.

The Ombudsman has investigated the complaints which included:

- The Integrity Commissioner did not consider all evidence the code of conduct complainant submitted, or interview individuals they felt had relevant information.

Conclusion: the complainant did not provide the Ombudsman with any evidence to support the allegation.

- The Integrity Commissioner indicated that they did not have authority to make recommendations to Council.

Conclusion: Under subsection 223.4 of the Municipal Act, an Integrity Commissioner can make recommendations to Council regarding penalties if they find a Code of Conduct contravention. It is then up to Council to decide whether to impose a penalty or require any remedial measures, including asking a member to apologize.

The complainant did not provide any evidence to the Ombudsman suggesting that the Integrity Commissioner indicated they did not have authority to make recommendations; however, the Integrity Commissioner explained to the complainant directly and in the final report to Council that they are limited to making recommendations and cannot issue orders or impose penalties.

- The Integrity Commissioner prevented the complainant from reporting their concerns about the member to the police by indicating that investigation would stop if they did.

Conclusion: Under subsection 223.8 of the Municipal Act, any Integrity Commissioner who, during an inquiry, has reasonable grounds to believe there has been a contravention of the Criminal Code or other legislation, with the exception of the Municipal Conflict of Interest Act, must immediately refer the matter to the appropriate authorities. The Commissioner's inquiry must be suspended until "any resulting police investigation and charge have been fully disposed of" and Commissioners are required to report the suspension to Council.

The complainant did not provide any evidence to suggest that the Integrity Commissioner "prevented" the complainant pursuing the OPP complaint, instead the Integrity Commissioner explained directly to the complainant and in Notice of Partial Summary Dismissal that the Municipal Act requires them to suspend their inquiry while the matter was being investigated by the police. The complainant confirmed that they had asked the OPP to stop their investigation and the Integrity Commissioner re-opened the inquiry.

- The Integrity Commissioner had a conflict of interest because they act as both the Integrity Commissioner and the Municipal Solicitor for the Municipality of Huron East.

Conclusion: The complainant could not point to any evidence suggesting that Aird & Berlis acts as solicitor to the municipality and the Ombudsman spoke with the Chief Administrative Officer who confirmed that Aird & Berlis is not retained as the municipal solicitor.

- The Complainant disagreed with the Integrity Commissioner's conclusion that the Councillor did not contravene additional sections of the Code of Conduct.

Conclusion: The complainant did not identify any error or fairness concerns with the Integrity Commissioner's decisions that would warrant any further review by the Ombudsman's office.

### **Comments:**

The Ontario Ombudsman sent a detailed letter to the Integrity Commissioner on October 20, 2023, outlining the investigation and stated that the review of the matter is complete and the file is closed. The Clerk of the Municipality of Huron East was copied on the letter and it is attached as Attachment 1 to this report.

### **Financial Implications:**

It cost approximately \$1400 in Integrity Commissioner fees during the Ombudsman investigation period.

### **Attachments:**

[Attachment 1: Ontario Ombudsman Letter](#)

Signatures:

*Jessica Rudy*  
\_\_\_\_\_  
Jessica Rudy, AMP, Clerk

*Brad McRoberts*  
\_\_\_\_\_  
Brad McRoberts, MPA, P. Eng., CAO





J. Paul Dubé, Ombudsman

## BY MAIL AND EMAIL

Meghan Cowan  
c/o John Mascarin  
Aird & Berlis LLP  
181 Bay Street, Unit 1800  
Toronto, ON M5J 2T9

Cc: Jessica Rudy, Clerk, Municipality of Huron East

October 20, 2023

Dear Ms. Cowan:

### Re: Integrity Commissioner investigation regarding Raymond Chartrand

As discussed with you on June 26, 2023, the Ombudsman received a complaint regarding Aird & Berlis' investigation and report related to a code of conduct complaint in the Municipality of Huron East. For the reasons set out in this letter, the Ombudsman's review of this complaint is complete and our file will be closed.

### Background

Aird & Berlis is the appointed Integrity Commissioner for the Municipality of Huron East. We understand that you initially received a complaint on November 27, 2022, alleging that three individuals had violated the Municipality's Code of Conduct: A former member of council, the Municipality's Mayor, and Councillor Raymond Chartrand. The complaint suggested that these individuals had violated specific sections of the Code by engaging in inappropriate behaviour.

On February 6, 2023, you issued a Notice of Partial Summary Dismissal, explaining that based on your review of the complaints and relevant evidence, you decided to dismiss the complaints against the former member of council and the Municipality's Mayor. You also dismissed the portions of the complaint alleging that Councillor Chartrand contravened sections 2.2, 3.1(d), 4.1(a), (b), (d), and (e), 8.4, 8.5, 9.1, 9.2, and 10.1 of the Code. You explained the procedural history of the complaint, the steps taken to review the allegations, and the reasons for your

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decision with reference to the available evidence. You stated that you would be proceeding to investigate the allegations that Councillor Chartrand contravened sections 4.1(c) and (f) by creating a Facebook account under a false name. Those sections require that members:

- (c) seek to advance the public interest with honesty; and
- (f) refrain from making statements known to be false or with the intent to mislead Council or the public.

Your final report, dated April 27, 2023, was presented to council on May 2, 2023. In that report, you found that Councillor Chartrand contravened sections 4.1(c) and (f) of the Code. You noted that in response to your investigation, the councillor apologized and took steps to permanently delete the secondary Facebook account and to educate himself on social media use. Given this response, you decided not to recommend that council impose any penalties, remedial measures, or corrective actions.

On May 2, 2023, council for the Municipality considered your report and recommendations, and decided not to impose any penalties on the councillor.

## Complaint

The complainant raised a number of concerns to the Office of the Ontario Ombudsman regarding how Aird & Berlis handled their complaints.

As part of their complaint, the individual who contacted us told us they believed that:

- You did not consider all evidence they submitted, or interview individuals they felt had relevant information;
- You indicated that, as Integrity Commissioner, you do not have the authority to make recommendations to council;
- You prevented the complainant from reporting their concerns about the member to the police by indicating that you would stop your investigation if they did so; and
- Aird & Berlis has a conflict of interest because you act as both the Integrity Commissioner and the municipal solicitor for the Municipality of Huron East.

Lastly, the complainant told us they disagree with your conclusion that Councillor Chartrand did not breach sections 2.2, 3.1(d), 4.1(a), (b), (d) and (e), 8.4, 8.5, 9.1, 9.2 and 10.1 of the Code of Conduct.

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## Role and authority of the Ontario Ombudsman

The Ombudsman is an independent and impartial Officer of the Ontario Legislature with the authority to review and investigate complaints about the administrative conduct of public sector organizations, including municipalities. The Ombudsman is intended to be an office of last resort, which means that individuals are generally expected to first address complaints to existing complaints processes and appeal mechanisms before our Office will intervene.

The Ombudsman is not intended to stand in place of a local accountability officer, and does not act as an Integrity Commissioner for municipalities. The Ombudsman's Office does not function as an appeal body, and the Ombudsman does not substitute his decision for that of a local Integrity Commissioner. When our Office reviews an Integrity Commissioner's decision, we consider such matters as to whether the Integrity Commissioner:

- Acted in accordance with the relevant legislation, terms of reference and policy;
- Considered the issues before them;
- Followed a fair practice;
- Obtained and considered relevant information; and
- Provided sufficient reasons to support their decision based on the available evidence.

## Our review

We spoke with the complainant and carefully reviewed all of the documents they provided to us. We reviewed the applicable Code of Conduct, your reports on this matter, and related meeting materials from the Municipality of Huron East. With the complainant's consent, we spoke with you and obtained additional relevant documents.

### ***Complaint that you did not consider all evidence the complainant submitted or interview individuals they felt had relevant information***

The complainant alleged that you did not review all relevant evidence or interview witnesses who had relevant information. In particular, the complainant told us that while your report refers to four "screenshot images" of the councillor's Facebook account, they had actually submitted "13 pages of comments".

The Notice of Partial Summary Dismissal and your final report set out in detail the evidence that you gathered and considered before making findings in this case. This included all of the

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evidence submitted by the complainant, including copies of Facebook posts, copies of correspondence, a document relating to a former member of council, responding submissions and additional correspondence from the councillor, and reply submissions from the complainant, which included nine additional documents.

We spoke with you about this aspect of the complaint. You explained that while the Notice of Partial Summary Dismissal and your final report refer to four screenshots, those encompassed all of the Facebook posts submitted by the complainant. You clarified that each “screenshot” document could contain multiple pages of Facebook posts. You noted that you had also explained this directly to the complainant.

During our conversation, you confirmed that you carefully reviewed all evidence submitted by the complainant, and reflected that in the Notice of Partial Summary Dismissal and final report to council.

In your final report to council, you noted that you even considered the additional documents submitted by the complainant in reply to the Councillor Chartrand’s response, despite the majority of these containing what purported to be new submissions and evidence with respect to the complaint.

Subsection 223.4(3) of the *Municipal Act, 2001* provides wide discretion for integrity commissioners to determine what information they need to address complaints in a meaningful and appropriate way, and states they shall have access to all information they believe is “necessary” for their review. This includes the discretion to determine which witnesses to interview and what documentation to obtain.

While the complainant alleged that you did not consider the evidence they submitted, they did not provide us with any evidence to support this allegation.

***Complaint that you indicated that, as Integrity Commissioner, you do not have the authority to make recommendations to council***

The complainant told us that you stated that integrity commissioners do not have the authority to make recommendations to council. They pointed to emails you sent on April 13 and 17, 2023 that state that it is expressly not within your authority to “order a member to apologize”.

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In your April 27 report to council, you reiterated that the Integrity Commissioner acts in an investigative capacity and has no authority to impose penalties or sanctions or to issue orders to rectify wrongdoing.

Under subsection 223.4 of the *Municipal Act*, an Integrity Commissioner can make recommendations to council or a local board regarding penalties if they find a Code of Conduct contravention. It is then up to council or the local board to decide whether to impose a penalty or require any remedial measures, including asking a member to apologize.

The complainant did not provide any evidence to our Office suggesting that you indicated that you did not have the authority to make recommendations. Instead, you explained to the complainant directly and in your final report to council that you are limited to making recommendations and cannot issue orders or impose penalties.

***Complaint that you prevented the complainant from reporting their concerns about the member to the police***

The complainant told us that you “prevented” them from pursuing a police complaint about the councillor’s actions by indicating that you would stop your investigation if they did so.

We reviewed emails you exchanged with the complainant on this subject. On January 6, 2023, you explained to the complainant that, because they had told you that the complaint had also been referred to the Ontario Provincial Police (the OPP), you would be suspending your investigation.

You included an excerpt from the *Municipal Act, 2001*, which states at subsection 223.8 that any integrity commissioner who, during an inquiry, has reasonable grounds to believe there has been a contravention of the *Criminal Code* or other legislation, with the exception of the *Municipal Conflict of Interest Act*, must immediately refer the matter to the appropriate authorities. The commissioner’s inquiry must be suspended until “any resulting police investigation and charge have been finally disposed of,” and commissioners are required to report the suspension to council.

The complainant did not provide any evidence to suggest that you “prevented” them from pursuing the OPP complaint. Instead, as you explained directly to the complainant and in your Notice of Partial Summary Dismissal, the Act required you to suspend your inquiry while the matter was being investigated by police.

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In your Notice of Partial Summary Dismissal on February 6, you noted that the complainant later wrote to you to confirm that they had asked the OPP to suspend their investigation. Accordingly, you wrote to the complainant on January 16 to advise that you would be re-opening your inquiry.

***Complaint that Aird & Berlis has a conflict of interest because you act as both the Integrity Commissioner and the municipal solicitor for the Municipality of Huron East***

The complainant suggested that you are in a position of conflict with respect to this complaint because Aird & Berlis acts as both Integrity Commissioner and municipal solicitor for the Municipality of Huron East.

The complainant could not point to any evidence suggesting that Aird & Berlis acts as solicitor for this municipality. We spoke with the Municipality's Chief Administrative Officer who confirmed that Aird & Berlis is not retained as municipal solicitor.

***Complainant's disagreement with your conclusion that Councillor did not contravene additional sections of the Code of Conduct***

The complainant told us that they disagreed with your conclusion that the councillor did not contravene sections 2.2, 3.1(d), 4.1(a), (b), (d) and (e), 8.4, 8.5, 9.1, 9.2 and 10.1 of the Code of Conduct.

In your Notice of Partial Summary Dismissal of the complaint, dated February 6, 2023, you explained your reasons for this decision with reference to the evidence provided by the complainant and to the Code of Conduct. You provided detailed reasons related to your assessment of each of the sections.

Under the *Municipal Act, 2001*, integrity commissioners have broad discretion to conduct reviews and inquiries, assess evidence, and make findings, within the scope of the duties assigned by the municipality and any applicable complaint or inquiry protocol. In this case, you considered the relevant rules and evidence, and provided detailed written reasons explaining the basis for your decision to dismiss these portions of the complaint with reference to the applicable Code sections.

While the complainant to our Office disagreed with your conclusions, they did not identify any error or fairness concerns with your decisions that would warrant further review by our Office.

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## Conclusion

Under the circumstances, the Ombudsman's review of this matter is complete and the file will be closed.

Thank you for your co-operation with our Office throughout our review of this matter.

Sincerely,

*Stephanie Hayek*

Stephanie Hayek  
Early Resolution Officer  
Office of the Ontario Ombudsman

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## Huron East Administration

**To:** Mayor MacLellan and Members of Council  
**From:** Brad McRoberts, MPA, P. Eng.  
**Date:** November 7, 2023  
**Subject:** BMGCC Renovation Update #3

---

### **Recommendation:**

That the Council of the Municipality of Huron East receive for information purposes.

### **Background:**

The Brussels, Morris & Grey Community Centre Renovation project has been underway since fall of 2022. The following provides a summary of the status of the project from both a construction standpoint and from a financial standpoint as of October 30, 2023 and provides an update from the previous report provided July 4, 2023.

The project continues to be posed with unforeseen challenges due to either unknown and undocumented existing conditions or unknown and undocumented construction methods used in the existing structure. While these circumstances continue, the magnitude of cost of the required change orders has decreased.

### **Issues**

The following provides a highlight of the key issues that have arisen between June 27, 2023 and October 30, 2023 during the process of construction:

1. Relocation of the existing rink condensing pipe assemblies to accommodate changes to the warm viewing area due to structural issues – Cost \$14,157;
2. New upgraded electrical service to the agricultural buildings as the service was not compliant with code and could not remain connected in its existing state – Cost \$30,272;
3. Redesign of the auditorium canopy and the original structural tie ins were inadequate – Cost \$19,277;

### **Schedule**

The project is scheduled to be substantially completed and available for occupancy by the end of the year.



**Others Consulted:** Elgin Contracting, architect and engineering consultants, building sub-committees members, BMGCC Recreation Manager, CBO, and Building Inspector.

**Financial Impacts:** Based upon approved and pending change orders to date the \$280,000 contingency for the project has been fully depleted. Approved change orders to date total \$434,549. At the current level the value of change orders represents 5% of the overall construction cost which is reasonable for a project that involves an addition/renovation. Existing building connection issues are always problematic due to the potential for unknowns from previous construction and alterations. Approximately 80% of the change order costs are a direct result of unforeseen or unknown issues with the existing conditions.

We still have fixtures, furnishings and equipment (FFE) to account for that are not included in the original tender. Items that would be included in this consist of:

- New sound system – Cost Approx. \$60,000
- Security system – Cost approx. \$20,000
- Wayfinding signage – Cost \$14,570;
- New kitchen equipment – Cost \$19,730;
- Donor Recognition Wall – Cost to be determined;
- Lobby Table & Chairs – Cost to be determined; and
- Miscellaneous equipment and supplies.

Fortunately, the fundraising campaign was successful and portions of those funds will need to be used to offset change orders and FFE purchases above the original contingency fund. The total pledged through the fundraising campaign has exceeded \$2.5 M which is more than \$500,000 above than the original commitment of \$2,000,000 (less fundraising costs).

The construction loan will be transferred to a debenture once the project is substantially completed. Staff have submitted progress claims with the Province as part of the grant funding and those transfer payments have been received. The final claim will be submitted when the project is completed.

### Signatures:

*Brad McRoberts (Original signed)*

\_\_\_\_\_  
Brad McRoberts, MPA, P. Eng., CAO

*Stacy Grenier (Original Signed)*

\_\_\_\_\_  
Stacy Grenier, CPA, Director of  
Finance/Treasurer

# Council Delegation Request

Members of the public or citizen group may submit a Delegation Request to appear before Council or a Committee for the purposes of making a presentation.

Delegation Requests must be received no later than 5:00 p.m. on the Wednesday preceding the Council Meeting.

See our [Council Meeting](#) calendar for upcoming meetings.

**Date of Council Meeting \*****Name of Person(s) Making Presentation (Please include Title/Position, if applicable) \*****Group/Organization Delegation Represents \*****Full Mailing Address of Delegation(s) \*****Phone Number \*****Email Address \***

The impact of the proposed Seaforth Battery Energy Storage System is concerning to many residents of the municipality of Huron East. We hope to present our concerns regarding the loss of prime agricultural land and the possible environmental hazards associated with this project.

**Please indicate the action/decision being requested of Council. \***

We would like to ask council to decline any applications made for this project.

**Thank you for your Delegation Request.**

Please note that delegations are limited to ten (10) minutes to address Council. Groups are encouraged to appoint one or two spokespersons to address Council on behalf of the group.

If the delegation would like printed information provided to Council in advance of the meeting it must be either delivered to the Clerk by 5:00 p.m. on the Wednesday prior to the meeting or attached to this submission. This information will be placed on the Huron East Council Agenda and posted on the municipal website and is available to the public. Large submissions will be reviewed by the Clerk and included (or not) at his/her discretion. Delegates may be asked to provide multiple copies of a large document.

For further information on the procedure for appearing before Council as a Delegation, please contact the Clerk at 519-527-0160 ext. 37.

**All information submitted will be considered to be public information and therefore subject to full disclosure, under the Municipal Freedom of Information and Protection of Privacy Act.**

**I acknowledge that all presentation material must be submitted to the Clerk's office by 5:00 p.m. on the Wednesday before the Council meeting date. \***

I agree

**Council Meeting Date \***

11/7/2023





**This is NOT what PRIME agricultural land in Huron County should look like!**

**WE ARE NOT A WILLING HOST COMMUNITY!**

Presentation by Concerned Citizens of Huron East  
to Seaforth Town Council regarding the  
proposed Battery Energy Storage System  
between St. Columban and Seaforth

Tuesday, November 7, 2023

### SUMMARY OF CONCERNS

- Loss of PRIME agricultural land
- Environmental risks
- Noise pollution
- Decreased value of adjacent properties
- No regulations exist for BESS facilities
- Who is liable in a catastrophe?
- Will the sideroad handle the increase in heavy truck traffic during construction? It's a well-used road for large farm equipment.
- Other areas have rejected these projects – why should Huron East be the “Guinea Pig”?
- BluEarth has no experience with a BESS

## WHY HAVE OTHER PROPOSED PROJECTS BEEN REJECTED?

The proposed BESS projects below that were rejected reflect the same concerns **WE, the adjacent landowners and community at large, have for the proposed Seaforth BESS project.** Among a variety of reasons for rejection, environmental and risks etc., **the common thread is the swallowing up of PRIME agricultural land.**

### PRINCE EDWARD COUNTY

Two proposed projects were rejected by other companies.

Athol BESS      January, 2023

- BESS projects in Athol will not be supported by Council.
- Benefits of the projects presented are more beneficial to the Province than the County.

Picton BESS      June, 2023

- Council opposes largest battery energy storage system (250 Megawatt facility).
- Concerns about the use of prime agricultural land being surrendered for the project (in the case of Picton BESS), decreased property values, increased insurance costs, noise concerns from running 200 to 250 HVAC units, and the relatively new, and unknown, nature of BESS.

### LAMBTON COUNTY

Enniskillen Twp.

- Oil City Battery Storage Proposal Dead in the Water, February, 2023.
- Close proximity to residential area and the usual other risks.

### LENNOX AND ADDINGTON COUNTY

Stone Mills      April, 2023

- BluEarth project cancelled.

BluEarth Renewables presented a delegation to the Stone Mills Town Council announcing their intent to build a 200MW Mega Battery storage facility (BESS) on Miller Road.

Stone Mills (Miller Road) is NOT the proving ground for a Mega BESS in Ontario.

- BluEarth has never built or managed a BESS
- Currently, the largest BESS in Ontario is only 10MW
- BESS technology is undeveloped, there are no provincial regulations on BESS's

What are the project risks? Safety for residents, safety for first responders (in case of a fire), drinking water and water tables, safety for wildlife, natural habitat for wildlife, and a quiet and safe place to live. In the BluEarth Stone Mills Storage Project Community Engagement Plan it states, this project will store power (using lithium batteries) produced on the Ontario grid during off peak hours and resell the same power back to the grid during high demand hours. The Plan has multiple references to Solar Wind and Hydro storage facilities, leaving readers with the impression that this project is related to solar generation in our community. Here, BluEarth is "Greenwashing" their proposal with images related to green energy. **This is NOT a green energy project; it is a purely for-profit based project.**

### An Excerpt from Wind Concerns Ontario

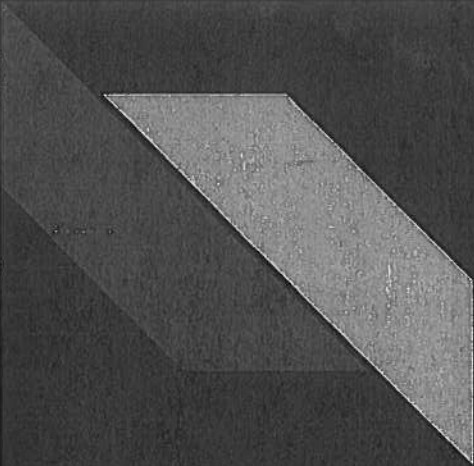
Battery Energy Storage Systems (BESS)

Assessments of Community Risks

Residents of rural Ontario have extensive experience with energy projects that were approved without sufficient attention to the impact on people and communities. We are concerned that the current IESO RFP is repeating the mistakes of the past by launching a new RFP process that requires very few details on what is proposed or how its operation will integrate with existing municipal structures and services. **We do not want the situation with wind turbines to be repeated. The failure of the IESO or other agencies of the Ontario government to set out a comprehensive set of siting requirements for battery storage systems seems to be preparing rural Ontario for a repeat of the situation with wind turbines.**

### Additional Resources (enclosed)

- School Project on a Civic Matter by Kaleb Regier, Gr. 10 Student, Cambridge
- OFA: Key Messages Regarding BESS, October 31, 2023
- OFA: Recommendations on Utility-Scale BESS, October 10, 2023
- Partial List of a BESS Failure Event Database (full list of 67 incidents since September 2011 available on request)



## Why battery storage facilities shouldn't be in Seaforth

By Kaleb Regier



### Summarize

Family members of mine Matt and Paul Cronin started a petition to stop an energy storage facility in Seaforth Ontario. Matt said "the project is proposed to be right to the back of our farm here. It's kind of right in our backyard." That will affect the living and it would poison the crops and won't be good for the animals. It is abutting their farm land. Paul said, "is this the right answer? Is this the right location? Could there be other areas that aren't prime farmland?" As we see this isn't good for Matt and Paul but not just them many others will be affected too. Farmers will be out of jobs do to this civic issue. Seaforth is farming community not industrial land.



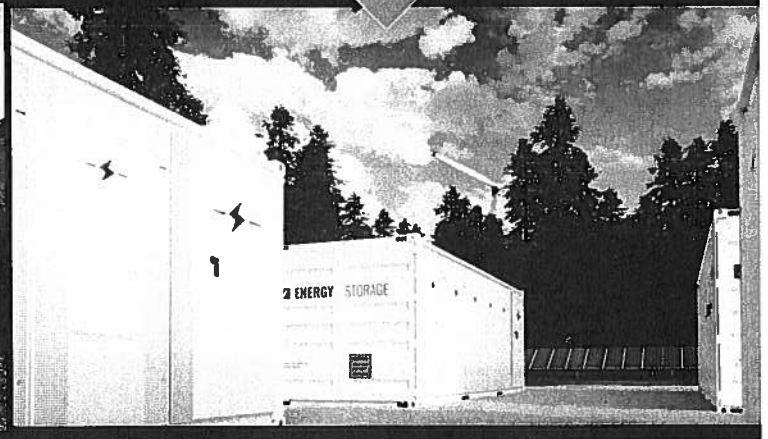
## What i think this is a civic issue

I feel this is a civic issue for the reason being, that this project will affect a very large amount of farmland. If anything happens to farm lands we will have less beef, chicken, pork, veggies etc. The prices in produce ,meat, can goods etc. have all gone up do to inflation if this were to happen it would infalt prices even more more than they already are it would put people's housing and jobs in jeopardy.

## Picture of the issue

From this farmland


To looking like this land





## Who is impacted by this

Everyone in Seaforth and around there will be impacted because Seaforth is prime farmland that should not be used for industrial facilities. We need to have farmland so we can get the products we need from the farmers.




## How are they impacted

They are impacted because if there is a nuclear leak it can get into the water and into the farm lands which can damage the fields and the well lines which will get into the water pumps to the houses and the fields. If that were to happen it would put multiple farming families out of their livelihoods.



## Why should this matter to people in our community and country

This topic should matter to people in our community and country because there are other technologies that could be a better solution than ruining prime farmland by covering it with batteries. 60% of all the electricity produced in Canada comes from Hydroelectric production (water like Niagara Falls), and there is currently a project in development near Collingwood that would pump water up to an elevated retention pond when there is excess power on the grid. The stored water up high acts like a big battery because it can generate power when they let it back out (similar to how Niagara Falls works). This is called "pumped storage", and the working life span of this system could be up to 100 years, whereas the batteries proposed for Seaforth only have a lifespan of about 10 years at best. I think as a community and country there should be better discussion on what is the best possible technology that could be used to store excess grid power instead of just going with batteries. They would have to change the batteries every 10 years. The other big component there are only more and more people coming to the country so in the end we need the farmland to provide for the country.



## Research 2 ways this issue could be improved

Two ways this issue could be improved. In my opinion like stated before I think there is real potential to find a better method of storing energy other than chemical batteries. Chemical batteries will destroy the land and the land around it. Not to mention when the lithium batteries need to be disposed it will affect our landfills and we don't need this position in Seaforth. If batteries were still the choice however, I think the issue could be improved by finding a location like Vanastra Canadian Forces Base Clinton it hasn't been used in years so I think that this is a good alternate location for this factory.



## Sources

Paul cronin

Dan regier

Joanne regier

<https://london.ctvnews.ca>

**OFA: KEY MESSAGES FROM REGARDING BESS**

(per L. Elliott, Member Services Rep., via email October 31, 2023)

These are **DRAFT** key messages to address safety, compliance, standards, environmental considerations, and infrastructure protection related to Battery Energy Storage Systems (BESS) in Ontario.

1. Safety and Risk Management:
  - Lithium-ion batteries in Battery Energy Storage Systems (BESS) are generally safe, but the impact of a failure can be significant.
  - Owners of BESS connected to Ontario's electricity grids should be required to implement effective fire and safety risk management measures.
  - They need to ensure fire services are trained to manage chemical fires associated with BESS failures, and that fire service capacity is available to control BESS failures.
1. Compliance and Standards:
  - Grid battery storage is becoming more common, and all jurisdictions should ensure compliance with the latest standards and codes.
  - The Independent Electricity System Operator (IESO) should require BESS owners to manage fire and safety risks effectively, including using approved automatic fire prevention and suppression systems.
2. Insurance and Preparedness:
  - BESS owners in Ontario should have sufficient insurance to cover the costs of failures, reducing the burden on local governments.
  - Event preparedness should include fire risk assessments, community risk assessments, fire protection documentation, and emergency response plans.
3. Compliance with Standards:
  - BESS installations in the United States must adhere to Underwriters Laboratory (UL) and National Fire Prevention Association (NFPA) standards and codes.
  - These standards and codes are crucial for managing failures and reducing the likelihood of thermal runaway in BESS systems.
4. Adoption of Canadian Codes and Standards:
  - Ontario should adopt Canadian NFPA and UL codes and standards in applicable energy regulations.
  - Then energy regulators can contractually obligate compliance with these codes and standards, ensuring ongoing safety.
5. Regulation and Safety Codes:
  - The Ontario Fire Code (OFC) regulates BESS installation, maintenance, and operation.
  - BESS installations must comply with manufacturer's instructions, the National Building Code of Canada, and the Canadian Electrical Code.

- Referencing these codes in energy regulator contracts and requiring qualified professionals to meet safety codes and standards ensures ongoing safety.
6. Environmental Approval Requirements:
    - Environmental approval requirements for containment, oversight, and land restoration should be established for BESS owners in case of failures and for decommissioning.
  7. Energy Infrastructure Siting:
    - Energy infrastructure should prioritize commercial and industrial land over prime agricultural areas.
    - Rural lands should only be considered for siting when no reasonable alternative locations are available.
  8. Protection of Critical Infrastructure:

Transmission assets are critical infrastructure, and adequate setback distances are necessary for safety. For that reason, Hydro One requires increased setbacks from transmission infrastructure

Similarly, increasing setback distances from property lines and buildings can help protect lives, property and livestock.



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Tel: 519.821.8883  
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MEMORANDUM

TO: OFA Board of Directors  
FROM: Ian Nokes, Farm Policy Researcher  
DATE: October 10, 2023  
RE: Recommendations on Utility-Scale BESS (Battery Energy Storage Systems)

Ontario Procurements For New Build Electricity and Energy Storage

The Independent Electricity System Operator (IESO) is procuring up to 2,500 MW of stand-alone energy storage resources and a maximum of 1,500 MW of natural gas generation. These capacity procurements will run through April 2024 and come on line through 2027.

Grid-based storage enables renewable energy reliant on ambient environments, and provides critical flexibility to help keep the system in balance. Eligible storage types for the procurement are listed below, as they have the power rating to meet the threshold of 1 MW for the two to four hour durations required by IESO. Proponents to date have only applied for lithium-ion facilities.

Types of Storage Eligible for IESO Procurements				
Storage	Power	Discharge	Cycles or Lifetime	Efficiency
Pumped hydro	3,000 MW	4h – 16h	30 – 60 years	70 – 85%
Compressed air	1,000 MW	2h – 30h	20 – 40 years	40 – 70%
Molten salt	150 MW	hours	30 years	80 – 90%
Li-ion battery	100 MW	1 min – 8h	1,000 – 10,000 cycles	85 – 95%
Lead-acid battery	100 MW	1 min – 8h	6 – 40 years	80 – 90%
Flow battery	100 MW	hours	12,000 – 14,000 cycles	60 – 85%
Hydrogen	100 MW	days	5 – 30 years	25 – 45%

source: The World Energy Council

Lithium Ion Batteries

Lithium ions are charge carriers in an electrolyte; a mixture of carbonates with an inorganic salt in a liquid or a gelled form. The cathode is typically a lithiated metal oxide and the anode is form of carbon or graphite. There is little risk of electrolyte leak as the amount in each cell is minimal.

Grid-scale lithium batteries are projected to last about 20 years (degrade over time and through charge - discharge cycles). Each battery cell (7x5x2 inches) can store 350 Wh of energy. Should a cell be punctured, the electrolyte remains within the container for mitigation and cleanup.

Lithium battery recycling is limited to smelting, incineration and cryogenic freezing and shredding. As battery use increases, recycling technology needs to evolve.



Lithium batteries do not produce any noxious gases in normal operation. In the event of a total facility fire, gases are released once various materials and equipment ignite. In large storage systems, failure of one lithium cell could cascade to include hundreds of individual cells. Lithium cell thermal runaway causes the release of very hot flammable, toxic gases. The hot flammable gases can result in an explosion or a very difficult to extinguish fire.

### Safety Measures

Although lithium-ion batteries are generally considered safe technology and the risk of a fire in a lithium-ion Battery Energy Storage System (BESS) is very low, proponents must proactively ensure that fire and safety risks are managed effectively. This includes training firefighters on managing chemical fires, installing automated fire prevention and fire suppression mechanisms.

### OFA Recommendations: Proactive Fire and Safety Risk Management

1. ***that the IESO require BESS proponents and owners to take proactive steps to ensure that fire and other safety risks are managed effectively. This includes supporting the training of firefighters on managing chemical fires, ensuring fire services are financially prepared to control BESS failures, as well as installing automated fire prevention and fire suppression mechanisms in their BESS.***
2. ***that proponents and all subsequent BESS owners must be insured to bear the costs related to a BESS event to reduce the burden otherwise born by local governments, such as extended fire fighting capacity or public evacuations. Event preparedness should include a fire risk assessment, a community risk assessment, maintaining a fire protection documentation and an emergency response plan.***

### U.S. and Canadian Codes and Standards (Fire, Building, Product and System Design)

As with any energy system, there are potential risks with BESS that need to be managed and mitigated to ensure safety. A main safety concern is the potential for thermal runaway which can result in a fire or explosion. Thermal runaway can occur when a battery cell overheats and causes a chain reaction in neighboring cells, leading to a rapid increase in temperature and pressure. This can happen due to factors, such as mechanical damage, overcharging, or product defects.

To address this risk, BESS installations need to include a number of safety features and mitigation measures, such as fire suppression systems, thermal management systems, and battery management systems. These mitigation measure designs need to comply with specific standards and codes to detect and respond to potential hazards, such as high temperatures, overcharging, or short circuits, to prevent thermal runaway.

In addition to technical safety measures, it is important to have appropriate emergency response plans in place in the event of an incident. This includes providing training to personnel on how to safely respond to a BESS emergency, and ensuring that local fire departments and other first responders have the necessary information and resources to safely manage a BESS incident.



As BESS becomes widespread, actors need to understand fire safety and building codes that regulate BESS product design, manufacture, installation, operation and testing. Bess products and structures are designed and manufactured outside of Canada.

American jurisdictions adopt National Fire Prevention Association (NFPA) and Underwriters Laboratory (UL) codes. The Energy Committee reviewed American and Canadian codes and standards to determine if utility-scaled facilities would have sufficient product and safety system compliance and to identify which codes and standards need to be adopted in Canada.

American UL codes 1973, 9540, and 9540A relate to the batteries, the energy storage system, and the test method for evaluating thermal runaway fire propagation. American NFPA 551, 850, and 855 codes and standards relate to fire risk assessments, fire protection, and installation of BESS. The Institute of Electrical and Electronics Engineers (USA) has guides for fire protection and BESS design, operation and maintenance.

Canadian regulators control the final acceptance of fire and life safety products like fire doors and require changes if products do not comply with Canadian standards. Imported products may have multiple variations of marks that indicate products are listed by Underwriter's Laboratory (UL), the global safety certification agency.

Products carrying UL marks for Canada have been evaluated to Canadian safety requirements, while a combination mark indicates compliance with both Canadian and U.S. standards. Products that only bear the American mark may not meet Canadian standards.



Source: [UL](#)

OFA Recommendations: Adoption of Appropriate Codes and Standards

3. ***that the Ontario Government recognize and adopt Canadian NFPA and UL codes and standards in applicable energy regulations;***
4. ***that the IESO contractually require utility-scale BESS proponents and owners to comply with appropriate Canadian NFPA and UL codes and standards;***
5. ***as BESS progress into the distribution network, that the Ontario Energy Board contractually require BESS proponents and owners to comply with appropriate Canadian NFPA and UL codes and standards; and***
6. ***that, as technology advances, and codes and standards are amended, BESS proponents and owners be required to comply with current versions.***

The Ontario Fire Code (OFC) regulates BESS installation, maintenance, and operation. It requires that BESS be installed in compliance with the manufacturer's instructions and applicable codes and standards, such as the [National Building Code of Canada](#) and the Canadian Electrical Code. The Ontario Fire Code requires that BESS installations comply with the requirements of the



NBCC, as well as any additional requirements outlined in the OFC. Although fire services routinely respond to explosive scenarios, such as natural gas leaks, procedures do not exist for BESS, a scenario for which there is no way to cut off the fuel supply.

OFA Recommendation: Qualified Professionals, Compliant With Building and Electrical Codes

**7. that project proponents and owners be required to work with qualified and experienced professionals to ensure that BESS installations meet all relevant safety codes and standards, and to regularly inspect and maintain the system to ensure ongoing safety.**

#### Electricity Project Environmental Approvals

Ontario's Guide to Environmental Approval Requirements (GEAR) for Electricity Projects lists Environmental Approval requirements based on Resource Types. Determining a correct compliance path depends on the complexity and uniqueness of the facility. BESS are non-designated Class A resource types under GEAR, and regardless of size, do not require an Environmental Assessment for approval.

For more complicated operations, with higher potential for environmental impacts, an Environmental Compliance Approval (ECA) is required. ECA approval is required for activities involving air, noise, vibration, waste management systems, waste disposal sites, hauled sewage disposal sites, processed organic waste (biosolids) land application sites and sewage works.

Although the likelihood of catastrophic failure is low, the degree of environmental impacts of such events are large. Environmental considerations for BESS include:

- Stand-alone BESS will not trigger EA requirements. Associate or ancillary infrastructure such as transmission lines over 2km length and transformer stations over 115kv can trigger an EA.
- BESS proponents normally register facilities under MECP's Air Emissions Environmental Activity and Sector Registry (EASR) process. This includes items such as public consultation requirements, and meeting noise standards.
- Other site-specific design considerations could also trigger other permits and approvals, such as concrete platform Environmental Compliance Approval (ECA) permit requirements for things like stormwater management for the property.
- BESS Projects integrated with renewable generation may require Renewable Energy Approval (REA) or trigger reopening of an existing REA or ECA. Wind and solar projects need an REA; depending on capacity size and or noise level. Bio-energy facilities (anaerobic digestion, biofuel, biogas, and thermal treatment facilities) require an REA, unless exempted.

OFA Recommendation: Approval Mechanism for Environmental Containment and Oversight

**8. that considering their complexity and uniqueness, utility-scale BESS require Environmental Approval, Environmental Compliance Approval, or similar approval tools. This is meant to ensure environmental containment and oversight, including ground and surface water, related considerations, and ancillary structures.**



## Land Use

There are significant recent government policy objectives relevant to BESS that impact rural and farm land use outcomes. Canada's Clean Electricity Regulation (CER) framework requires any emitting generation facilities in operation past 2035 to offset emissions by removals in, or attributed to, the sector. The IESO Pathways scenario is based on theoretically aggressive electrification policies in 3 main sectors:

- i. Buildings: By 2030 in Toronto, and 2035 for the rest of the province, new buildings will be heated using electric air or ground exchange heat pump systems
- ii. Transportation: At least 20% of new vehicles sold in Canada will be zero emission by 2026, at least 60% by 2030, and 100% by 2035 (previously 100% by 2040), under the Regulations Amending the Passenger Automobile and Light Truck Greenhouse Gas Emission Regulations
- iii. Industry: - 80% transition, note that low-carbon hydrogen manufactured in Ontario, represents a significant new load that is not currently included in the scenario

Decarbonization and electrification preparations are relevant to the BESS procurements. While the Minister iterated that municipal government approval for BESS projects is required, Ontario maintains the need for accelerated and streamlined regulations related to infrastructure and land requirements.

Ontario issued Orders-in-council to instruct OEB that five transmission projects are deemed necessary, so as to ensure there were no delays in debating their importance. Ontario is not likely to consider stakeholder concerns about constructing large-scale resources and securing significant transmission resources, needed to ensure the build-out capacity needed through 2050, estimated to require a 2.18 million acre footprint. This was recently exemplified by the Ontario's Regulatory Registry posting on September 27, 2023, to extend the Ontario Energy Board (OEB) powers to make orders that temporarily waive certain licensing requirements for innovative pilots or demonstration projects to facilitate innovation in the energy sector.

While utility-scale BESS could reach 2,500 MW by 2027, the IESO's Pathways Report envisions limited additional BESS in the transmission and distribution systems. Pathways does envision up to 69,000 MW of new grid system infrastructure required to meet 2050 electrification targets.

### OFA Recommendations: Protect Farm Land

- 9. that regulators and the Ministry of Energy prioritize the siting of all energy infrastructure on commercial and industrial land and not allow siting on Canada Land Class 1 through 4 or Specialty Crop Lands. Only after alternative locations have been evaluated, and there are no reasonable alternative locations which avoid prime agricultural areas, or prime agricultural areas with lower priority agricultural lands, should rural lands be considered This is meant to ensure the avoidance of siting infrastructure on Ontario's finite and declining farm lands.**



**10. that proponents and owners be contractually obligated to restore land, should there be a BESS failure event, and that at decommissioning, obligated to restore the land to its original purpose**

Minimum Set Back Distances For Bess Facilities

Transmission assets are critical infrastructure and prolonged interruption or failure could impact millions of people. The North American Electric Reliability Corp and the Ontario Transmission System Code require transmission companies to maintain transmission system reliability and integrity. Hydro One regards it as of the utmost importance to ensure that the transmission system is not affected by any BESS event.

NFPA 855 has a 30.5 metre (100 ft) setback for BESS from buildings, lot lines that can be built upon, public ways, stored combustible materials, hazardous materials, high-piled stock, and other exposure hazards not associated with electrical grid infrastructure. The code does not provide guidance on separation from critical transmission facilities. Hydro One established new setback distance requirements to their transmission assets to be cautious with this new technology for utility-scale transmission connection.

Hydro One Required BESS Facility Separation Distance Requirements	
Facilities	Setback Distance <sup>1,2</sup>
500 kV Right of Way (ROW)	150 meters
230 kV ROW	100 meters
115kV ROW	60 meters
500 kV Substation	300 meters
230kV Switching Substation	200 meters
115kV Switch Substation or 230kV & 115kV step down Substation	120 meters
1. All distances are from the edge of right of way or Hydro One station property line. 2. For proponents that have acquired property rights or own the BESS property prior to January 1, 2023, and cannot meet the above distances, the layout must be discussed with Hydro One for assessment and approval.	

Hydro One’s minimum setback distance requirements for BESS from transmission line rights-of-way are three to five times greater than NFPA 855 for rural outdoor utility-scale BESS setbacks from other materials. This is to ensure the reliability of the critical assets. Considering the critical value of human lives and livestock wellbeing, it would be prudent to consider increasing NFPA 855 setback for utility-scale BESS in Ontario.

OFA Recommendation: Minimum Set Back Distances For Bess Facilities

**11. that the IESO and the OEB adopt more stringent set back requirements for all utility-scale BESS, and that proponents be required to increase the setback requirement to agricultural and residential buildings and populations, and at least double the 30.5 metre distance adopted in NFPA 855, based on prudent avoidance.**



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Appendix:

### Review of Codes and Standards

NFPA has adapted U.S. fire safety programs for Canadian use, including an Electric, Hybrid, & Fuel Cell Vehicle Safety Training for Emergency Responders hosted by NFPA and the Council of Canadian Fire Marshals and Fire Commissioners. Canada's NFPA Regional Director supports use of NFPA codes and standards, and promotes fire safety by providing and advocating consensus codes and standards, research, training, and education across Canada. When referenced in fire and building code regulations and legislation, codes and standards become legally enforceable. While Canadian fire and building codes reference 90 NFPA codes and standards, the overarching Canadian model codes are completely separate from those in the U.S.

The NRC's (National Research Council of Canada) codes, published in NRC Canada Code 2020, harmonize building and safety regulations across Canada by collaborating with its provinces and territories to develop building, fire, plumbing, and energy codes. The Council of Canadian Fire Marshals and Fire Commissioners also actively participate in developing codes and standards relating to fire safety. A regulatory authority must then adopt NRC codes to become law. Enforcement is the responsibility of the provincial or territorial Authority Having Jurisdiction (AHJ).

NRC Codes includes the National Building Code, guidance on the design and construction of buildings that house BESS including requirements for fire separation, ventilation, and fire suppression systems. Specific requirements for BESS may vary depending on the size, type, and location of the system, and requirements change over time.

In Ontario, the Office of the Fire Marshal (OFM) trains and certifies firefighters to NFPA standards, including standards for: firefighters, fire prevention, fire investigation, public education, and emergency telecommunications. Fire prevention, specialized or advanced firefighting, and Fire Code courses include: Industrial, Commercial, Hazardous Materials, Flammable and Combustible Liquids, and Alternate Energy Source Firefighting (Solar and Wind).

The fire safety codes for BESS in Ontario are governed by the Ontario Fire Code (OFC) and the National Building Code of Canada (NBCC). The OFC regulates the installation, maintenance, and operation of BESS in buildings and structures. It requires that these systems be installed in compliance with the manufacturer's instructions and applicable codes and standards, such as the National Building Code of Canada and the Canadian Electrical Code. The Ontario Fire Code requires that BESS installations comply with the requirements of the NBCC, as well as any additional requirements outlined in the OFC.

Key National Building Code of Canada requirements for BESS installations in Ontario include:

- BESS installations must be located in areas with adequate ventilation, and must be separated from other building areas by fire-rated walls.
- BESS installations must be equipped with appropriate fire suppression systems, such as sprinklers or gaseous extinguishing systems.



- Electrical equipment associated with BESS installation must be installed in accordance with Canadian Electrical Code requirements, and accessible for maintenance and inspection.
- BESS installations must have a dedicated emergency power off (EPO) system that can be activated in the event of an emergency.
- The BESS owner or operator must have a fire safety plan in place that addresses the specific hazards associated with the installation, and must provide appropriate training to personnel.

#### Codes and Standards Applicable to BESS

Standards and codes are applicable at the time of issuance and may change over time. Adopted standards and codes include:

12. National Building Code of Canada – 2020
  - NFPA 72, National Fire Alarm and Signaling Code – 2019 Edition
  - NFPA 101, Life Safety Code – 2018 Edition
13. National Fire Code of Canada – 2020
  - NFPA 13, Standard for the Installation of Sprinkler Systems – 2019 Edition
  - NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems – 2017 Edition
  - NFPA 68, Standard on Explosion Protection by Deflagration Venting – 2013 Edition
  - NFPA 69, Standard on Explosion Prevention Systems – 2014 Edition
14. Fire Protection and Prevention Act (FPPA) – 1997
15. Ontario Fire Code, a regulation under the FPPA – April 11, 2022

Recommended Industry Applicable Standards and Codes are:

16. National Fire Protection Association – USA
  - NFPA 551, Guide for the Evaluation of Fire Risk Assessments – 2022 Edition
  - NFPA 850, Recommended Practice for Fire Protection for electric Generating Plants and High Voltage Direct Current Converter Stations – 2020 Edition
  - NFPA 855 Standard, Stationary Energy Storage System Installation – 2023 Edition
17. Underwriters Laboratories – USA
  - UL 1973, Batteries for Use in Auxiliary Power Applications – 2022 Edition
  - UL 9540, Energy Storage Systems and Equipment – 2020 2nd Edition
  - UL 9540A, Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems – 2019 4th Edition
18. Institute of Electrical and Electronics Engineers – USA
  - IEEE 979, Guide for Substation Fire Protection – 2012 Edition
  - IEEE 2030.2.1, Guide for the Design, Operation, and Maintenance of Battery Energy Storage Systems, both Stationary and Mobile, and Application Integrated with Electric Power Systems – 2019 Edition

#### Minimum Design Documentation

The following are the recommended assessments required based on industry practice for proposed BESS installations:

19. Hazard Mitigation Analysis (HMA), Including:



- Code Review
  - UL 9540 Listing
  - UL 9540A Test Reports
  - Fault Condition Assessment
20. Fire Risk Assessment (FRA), Including:
- Community Risk Assessment
  - Air/Gas Dispersion Study
21. Fire Protection Design Documentation, Including:
- Passive Fire Protection Systems
  - Active Fire Protection Systems
22. Commissioning Plan
23. Emergency Response Plan

# BESS Failure Event Database

This is a public resource for documenting publicly-available data on battery energy storage failure events from around the world. All information included is available in the linked public documents. If there is a public event that is not included in the BESS Fire Event Database, please email the relevant information and link to supporting info to our Storage Safety email (<mailto:Storage-Safety@epri.com>).

If you would like to be notified when a new event is added to this database or are interested in other EPRI energy storage safety research resources and opportunities please reach out to our Storage Safety email (<mailto:Storage-Safety@epri.com>).

## Stationary Energy Storage Failure Events

This table tracks utility and C&I scale energy storage failure events with publicly available information.

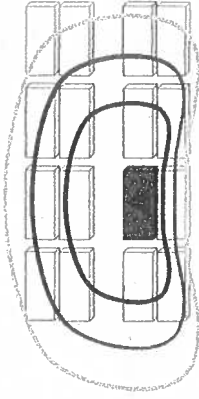
▪ Click here to download a csv version of the data in this table. ([https://storagewiki.epri.com/resources/assets/BESS\\_Failure\\_Database/Failure\\_DB\\_List.csv](https://storagewiki.epri.com/resources/assets/BESS_Failure_Database/Failure_DB_List.csv))

Note: Missing values in this table reflect unknowns.

Show 100 v entries

Search:

Export v



Location	Energy (MWh)	Power (MW)	Module Type	Application	Installation	Event Date	System Age (yr)	State During Accident	Source
USA, ID, Melba	8	2	Powin Energy	Distribution Resource	Substation	2 October 2023	0	Pre-commissioning	KTVB7 ( <a href="https://www.ktvb.com/article/new-s/local-local-battery-fire-at-ida-ho-power-substation-in-melba/277-86b31e65-5c9f-468b-9cd8-cd5502847ac7">https://www.ktvb.com/article/new-s/local-local-battery-fire-at-ida-ho-power-substation-in-melba/277-86b31e65-5c9f-468b-9cd8-cd5502847ac7</a> )
France, Martinique, Saint-Esprit				Solar Integration	Farm	29 September 2023		Operational	DayFR Euro ( <a href="https://euro-dayfr-com.cdn.ampproject.org/c/s/euro.dayfr.com/trends/amp/943555">https://euro-dayfr-com.cdn.ampproject.org/c/s/euro.dayfr.com/trends/amp/943555</a> )
Australia, Queensland, Bouldercombe	100	50	Tesla		Substation	26 September 2023	0.1	Operational	ABC News ( <a href="https://www.abc.net.au/news/2023-09-27/tesla-battery-fire-at-queensland-renewable-energy-project/10290530">https://www.abc.net.au/news/2023-09-27/tesla-battery-fire-at-queensland-renewable-energy-project/10290530</a> )



2)

Location	Energy (MWh)	Power (MW)	Module Type	Application	Installation	Event Date	System Age (yr)	State During Accident	Source
US, CA, Valley Center	560	140	LG Energy Solution		Rural	18 September 2023	1.6	Operational	Valley Road Runner ( <a href="https://www.valleycenter.com/articles/fir-e-burns-tonight-at-teiragen-battery-storage/">https://www.valleycenter.com/articles/fir-e-burns-tonight-at-teiragen-battery-storage/</a> )
France, Saucats, Barban	98	105			Rural	22 August 2023	0	Pre-commissioning	dayFREuro ( <a href="https://euro.dayfr.com/trends/729664.html">https://euro.dayfr.com/trends/729664.html</a> )
US, NY, Chaumont	15	5		Solar Integration	Rural	27 July 2023	0.4	Operational	7 News WNNYTV ( <a href="https://www.wnnytv.com/2023/07/27/residents-told-shelter-placed-due-potentially-toxic-smoke-solar-farm-fire/">https://www.wnnytv.com/2023/07/27/residents-told-shelter-placed-due-potentially-toxic-smoke-solar-farm-fire/</a> )
Taiwan, Taichung City, Longjing District			LFP			4 July 2023			United Daily News ( <a href="https://udn.com/news/story/7320/7279049">https://udn.com/news/story/7320/7279049</a> )
US, NY, Warwick	17.9	4	Powin Energy	Energy Shifting, Backup	Substation	27 June 2023	0.1	Operational	Convergent Energy and Power ( <a href="https://www.convergentep.com/statement-on-warwick/">https://www.convergentep.com/statement-on-warwick/</a> )
US, NY, Warwick	36	8	Powin Energy	Energy Shifting, Backup	Substation	26 June 2023	0.1	Operational	Convergent Energy and Power ( <a href="https://www.convergentep.com/statement-on-warwick/">https://www.convergentep.com/statement-on-warwick/</a> )
US, NY, East Hampton	40	5		Resiliency, Utility Peak Reduction	Substation	31 May 2023	4.8	Operational	East Hampton Star ( <a href="https://www.easthamptonstar.com/polic-e-courts/2023531/roads-closed-trains-halted-over-smoldering-battery">https://www.easthamptonstar.com/polic-e-courts/2023531/roads-closed-trains-halted-over-smoldering-battery</a> )

Location	Energy (MWh)	Power (MW)	Module Type	Application	Installation	Event Date	System Age (yr)	State During Accident	Source
US, PA, Millvale			SimpliPhi Power (LFP)	Solar Integration	Urban	30 January 2023		Operational	WTAE ( <a href="https://www.wtae.com/article/millvale-fire-sprezzatura-food-energy-hub/42708022">https://www.wtae.com/article/millvale-fire-sprezzatura-food-energy-hub/42708022</a> )
South Korea, Jeollanam-do, Yeongam-gun, Geumjeong-myeon	251			Solar Integration	Rural	27 December 2022	1.8	Operational	E2News.com ( <a href="http://www.e2news.com/news/article/View.htm?idxn=249345">http://www.e2news.com/news/article/View.htm?idxn=249345</a> )
South Korea, Jeollanam-do, Damyang-gun, Mujeong-myeon, Deokgok-ri	9.1	2.5	Samsung SDI	Solar Integration	Rural	8 December 2022	5.5	Operational	E2News.com ( <a href="http://www.e2news.com/news/article/View.htm?idxn=248625">http://www.e2news.com/news/article/View.htm?idxn=248625</a> )
China, Hainan	50	25	Ruipu	Solar Integration		20 October 2022	0	Commissioning	china5e.com ( <a href="http://s://www.china5e.com/news/news-1142303-0.html">http://s://www.china5e.com/news/news-1142303-0.html</a> )
US, CA, Moss Landing	730	182.5	Tesla	Energy Shifting, Ancillary Services	Substation	20 September 2022	0.5	Operational	KSBW News ( <a href="http://s://www.ksbw.com/article/fire-batter-y-storage-facility-mo-ss-landing/41293594">http://s://www.ksbw.com/article/fire-batter-y-storage-facility-mo-ss-landing/41293594</a> )
South Korea, Incheon		103		Energy Shifting	Factory	6 September 2022		Operational	Teller Report ( <a href="http://s://www.tellerreport.com/tech/2022-09-06-fire-at-hyundai-site-el-plant-in-incheon---flames-and-black-smoke-rising_SkbNbb7Vej.html">http://s://www.tellerreport.com/tech/2022-09-06-fire-at-hyundai-site-el-plant-in-incheon---flames-and-black-smoke-rising_SkbNbb7Vej.html</a> )
US, CA, Rio Dell			Lead Acid	Solar Integration / Backup	Rural	3 August 2022	4	Operational	KRCR ( <a href="https://krctv.com/north-coast-news/eureka-local-news/battery-storage-container-explodes-rocketing-rio-dell-rv-park">https://krctv.com/north-coast-news/eureka-local-news/battery-storage-container-explodes-rocketing-rio-dell-rv-park</a> )

Location	Energy (MWh)	Power (MW)	Module Type	Application	Installation	Event Date	System Age (yr)	State During Accident	Source
US, AZ, Chandler	40	10	LG Chem [NMC]		Substation	18 April 2022	3	Operational	AZ Central ( <a href="https://www.azcentral.com/story/money/business/energy/2022/04/21/fire-crews-tend-massive-smoldering-battery-chandler-facility/7405430001/">https://www.azcentral.com/story/money/business/energy/2022/04/21/fire-crews-tend-massive-smoldering-battery-chandler-facility/7405430001/</a> )
US, CA, Valley Center	560	140	LG Energy Solution		Rural	5 April 2022	0.2	Operational	Valley Road Runner ( <a href="https://www.valleycenter.com/articles/spinklers-quickly-douse-terra-gen-fire/">https://www.valleycenter.com/articles/spinklers-quickly-douse-terra-gen-fire/</a> )
Taiwan, Taichung City, Longjing District	1	1		Solar Integration	Power Plant	30 March 2022	2	Operational	Economic Daily ( <a href="https://money.udn.com.tw/story/11799/6204797?_x_tr_sl=zh-CN&amp;_x_tr_tl=en&amp;_x_tr_hi=en&amp;_x_tr_pto=wap">https://money.udn.com.tw/story/11799/6204797?_x_tr_sl=zh-CN&amp;_x_tr_tl=en&amp;_x_tr_hi=en&amp;_x_tr_pto=wap</a> )
US, CA, Moss Landing	400	100	LG Energy Solution	Solar Integration	Power Plant	13 February 2022	1	Operational	KSBW News ( <a href="https://www.ksbw.com/article/second-battery-malfunction-in-less-than-6-months-reported-at-moss-landing-power-plant/39083568">https://www.ksbw.com/article/second-battery-malfunction-in-less-than-6-months-reported-at-moss-landing-power-plant/39083568</a> )
South Korea, Gyeongsangbuk-do, Gunwi-gun	1.5	0.45	LG Energy Solution	Solar integration	Rural	17 January 2022	3	Operation. Fully charged	E2News ( <a href="https://www.e2news.com.tr/article/goog/news/articleView.html?idxno=239023&amp;_x_tr_sl=auto&amp;_x_tr_tl=en&amp;_x_tr_hi=en-US&amp;_x_tr_pto=wapp">https://www.e2news.com.tr/article/goog/news/articleView.html?idxno=239023&amp;_x_tr_sl=auto&amp;_x_tr_tl=en&amp;_x_tr_hi=en-US&amp;_x_tr_pto=wapp</a> )
South Korea, Nam-gu, Ulsan	50	10	SK Innovation	Peak Load Reduction	Urban	12 January 2022	2	Operational	E2News ( <a href="https://www.e2news.com.tr">https://www.e2news.com.tr</a> )

# Council Delegation Request

Members of the public or citizen group may submit a Delegation Request to appear before Council or a Committee for the purposes of making a presentation.

Delegation Requests must be received no later than 5:00 p.m. on the Wednesday preceding the Council Meeting.

See our [Council Meeting](#) calendar for upcoming meetings.

**Date of Council Meeting \***

**Name of Person(s) Making Presentation (Please include Title/Position, if applicable) \***

**Group/Organization Delegation Represents \***

**Full Mailing Address of Delegation(s) \***

**Phone Number \***

**Email Address \***

To provide information on our Municipal Food Waste Diversion Programs.

**Please indicate the action/decision being requested of Council. \***

To receive the presentation as information, and if there is interest in partnering for a funded pilot program, to refer us to a staff member for a report and recommendation.

**Thank you for your Delegation Request.**

Please note that delegations are limited to ten (10) minutes to address Council. Groups are encouraged to appoint one or two spokespersons to address Council on behalf of the group.

If the delegation would like printed information provided to Council in advance of the meeting it must be either delivered to the Clerk by 5:00 p.m. on the Wednesday prior to the meeting or attached to this submission. This information will be placed on the Huron East Council Agenda and posted on the municipal website and is available to the public. Large submissions will be reviewed by the Clerk and included (or not) at his/her discretion. Delegates may be asked to provide multiple copies of a large document.

For further information on the procedure for appearing before Council as a Delegation, please contact the Clerk at 519-527-0160 ext. 37.

**All information submitted will be considered to be public information and therefore subject to full disclosure, under the Municipal Freedom of Information and Protection of Privacy Act.**

**I acknowledge that all presentation material must be submitted to the Clerk's office by 5:00 p.m. on the Wednesday before the Council meeting date. \***

I agree

**Council Meeting Date \***

11/7/2023 

# Thank You

The Clerk of the Municipality will be contacting you to confirm receipt of this request.



FOODCYCLER™  
MUNICIPAL SOLUTIONS

The Future of Food Waste.



- **Canadian company** based out of Ottawa, ON
- Founded in Cornwall in 2011 – Company is 100% focused on **Food Waste Diversion Solutions**
- Products available in North America through **FoodCycler Municipal / Vitamix** and internationally through network of distributors & OEM partners
- **Finalists** in Impact Canada/AAFC's **Food Waste Reduction Challenge**
- **Globe & Mail** Canada's **Top Growing Companies** (2021 & 2022)
- **Deloitte Fast 50 CleanTech** award winners (2021)
- **Approved supplier** with Canoe Procurement Group of Canada





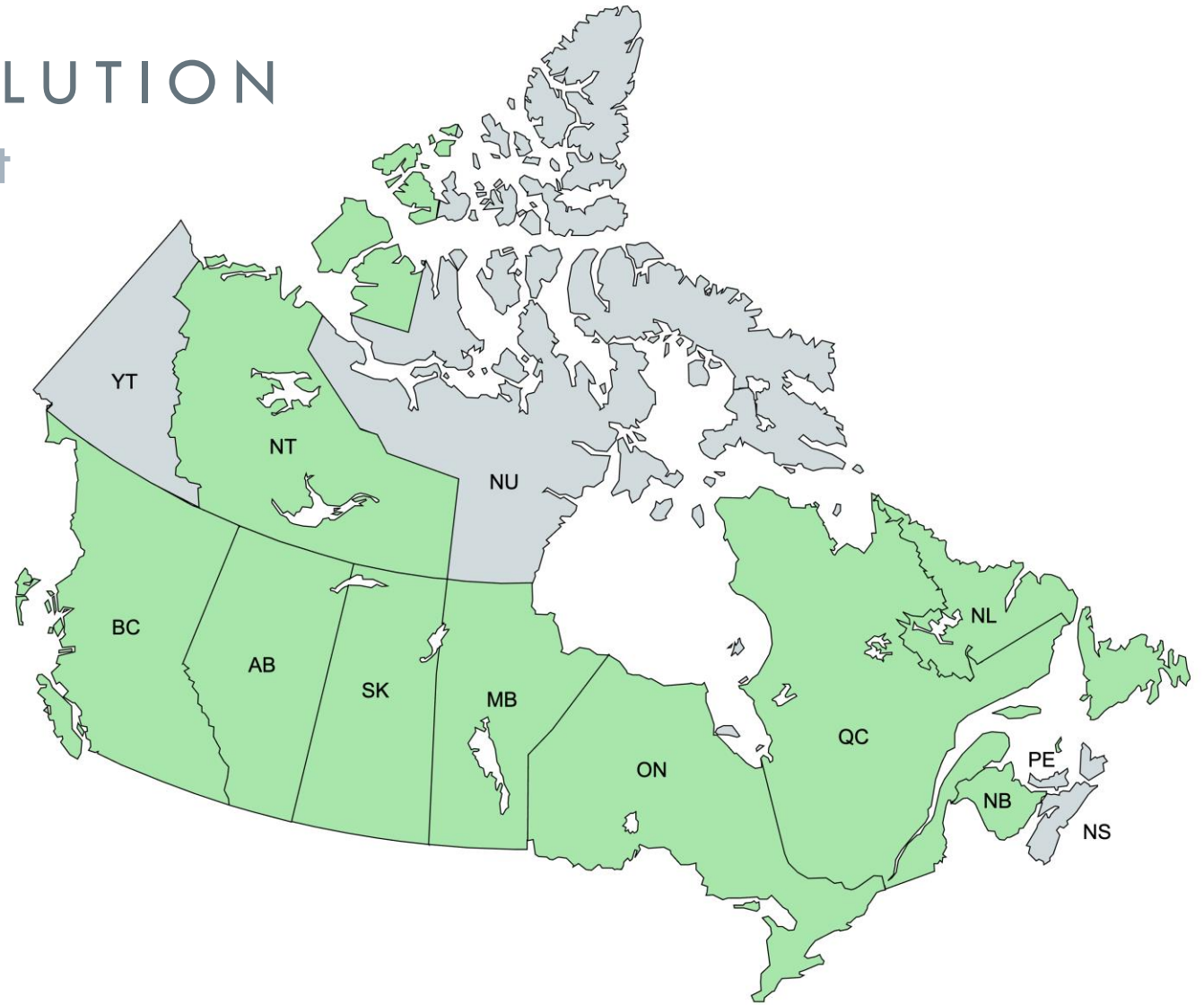
# TRUSTED CANADIAN SOLUTION

Coast to Coast to Coast

## 105

### Canadian Municipal Partnerships

- 9 Provinces
- 2 Territory



## THE PROBLEM – FOOD WASTE

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- **63%** of food waste is avoidable
- Household waste is composed of **25-50%** organic waste
- Food waste weight is up to **90%** liquid mass (which is heavy)
- The average Canadian household spends **\$1,766** on food that is wasted each year
- Each year food waste in Canada is responsible for **56.6 Million tonnes of CO2** equivalent of GHG



# MUNICIPAL IMPACT

## Waste is a municipal responsibility

### LANDFILL + WASTE COSTS

- ~**25-50%** of household waste is organic waste
- Landfills are filling up fast, creating cost and environmental issues
- Hauling, transfer, and disposal services are a major cost factor and environmental contributor

### ENVIRONMENT

- Landfilled organic waste produces methane, which is **25 times** more harmful than CO<sub>2</sub>
- 1 tonne of food waste is equivalent to 1 car on the road for one year



### COMMUNITY

#### Food in the garbage:

- More frequent collection or trips to the disposal site
- Unpleasant odours
- Animals, pests & other visitors



#### Removing food waste from garbage:

- Volume is reduced by up to 50%
- Less frequent collection, fewer trips to disposal site, save on bag tags
- Keeps odours out, makes garbage much less “interesting” for animals

# HAVEN'T WE SOLVED THIS ALREADY?



## GREEN BINS

- Major **capital expenditure** to invest in **processing & collection infrastructure**
- **Contamination** is an ongoing challenge
- **GHG emissions** and **safety concerns** from collection vehicles
- **Participation rates** are often lower than desired, particularly in **multi-residential dwellings**

## BACKYARD COMPOST

- **Space, ability, and know-how** are limiting factors
- Most users **do not compost in winter** or inclement weather
- May **attract pests/animals** or create unpleasant **odors**
- **Participation rates** are relatively low and stagnant
- Can produce **methane** if done incorrectly

## LANDFILL

- **Easiest solution** and often perceived as the most cost-effective in the short term
- Waste is typically **out of sight and out of mind** for consumers
- High levels of GHG emissions, particularly **methane**
- Long-term **environmental hazard** requires monitoring / maintenance
- **Landfill capacity** is quickly running out



# THE FOODCYCLER PRODUCT FAMILY

**FOODCYCLER™  
FC-30**



2.5 L

VOLUME CAPACITY

5.0 L

30.5 L

UNIT VOLUME

28.9 L

4-8 HOURS

PROCESSING TIME

6-8 HOURS

0.8 kWh

POWER CONSUMPTION  
PER CYCLE

1.3 kWh

2  
REFILLABLE  
FILTERS

ODOUR CONTROL

1  
REFILLABLE  
FILTER

BACK

VENT LOCATION

TOP

**FOODCYCLER™  
Eco 5**



## 90% FOOD WASTE REDUCTION

Full bucket of wet,  
smelly food waste

2.5L / 5L



Handful of dry, sterile, odourless  
& nutrient-rich by-product

100 g / 200 g



4-8 HOURS  
(Overnight)

0.8-1.5 kWh  
(Equivalent to a laptop)

\$0.10-\$0.15 per cycle  
(\$2-4 per month)

## FOODILIZER™ : BENEFICIAL USES

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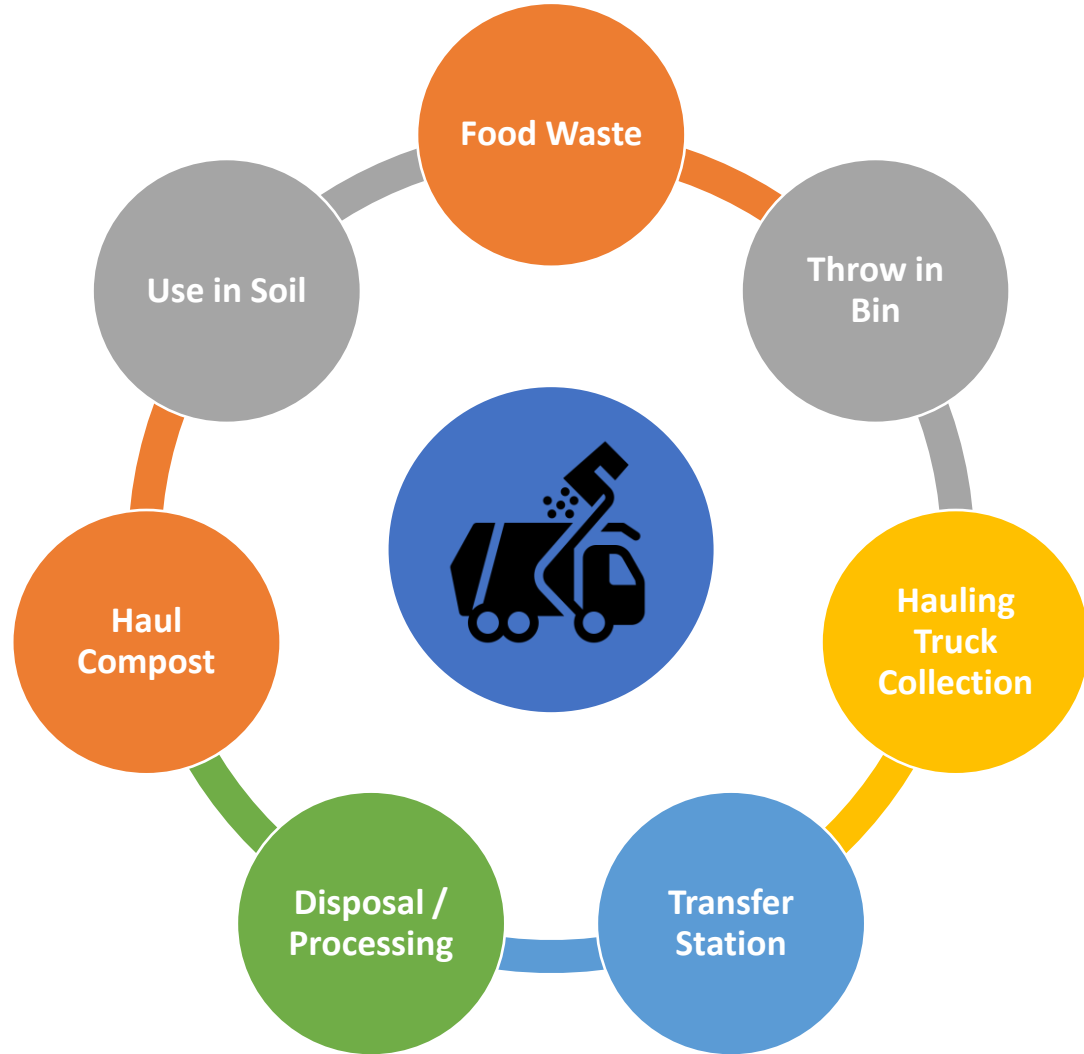
The FoodCycler by-product is a dry, sterile, odourless and nutrient-rich biomass with many beneficial uses and practical applications:

- Add to garden soil
- Add to backyard composter/tumbler/green cone
- Integrate to existing Leaf & Yard waste systems
- Pelletize/briquette as home heating alternative
- Drop off at compost site
- Drop off to a local farm
- Drop off to a community garden
- Add to Green Bin (where available)

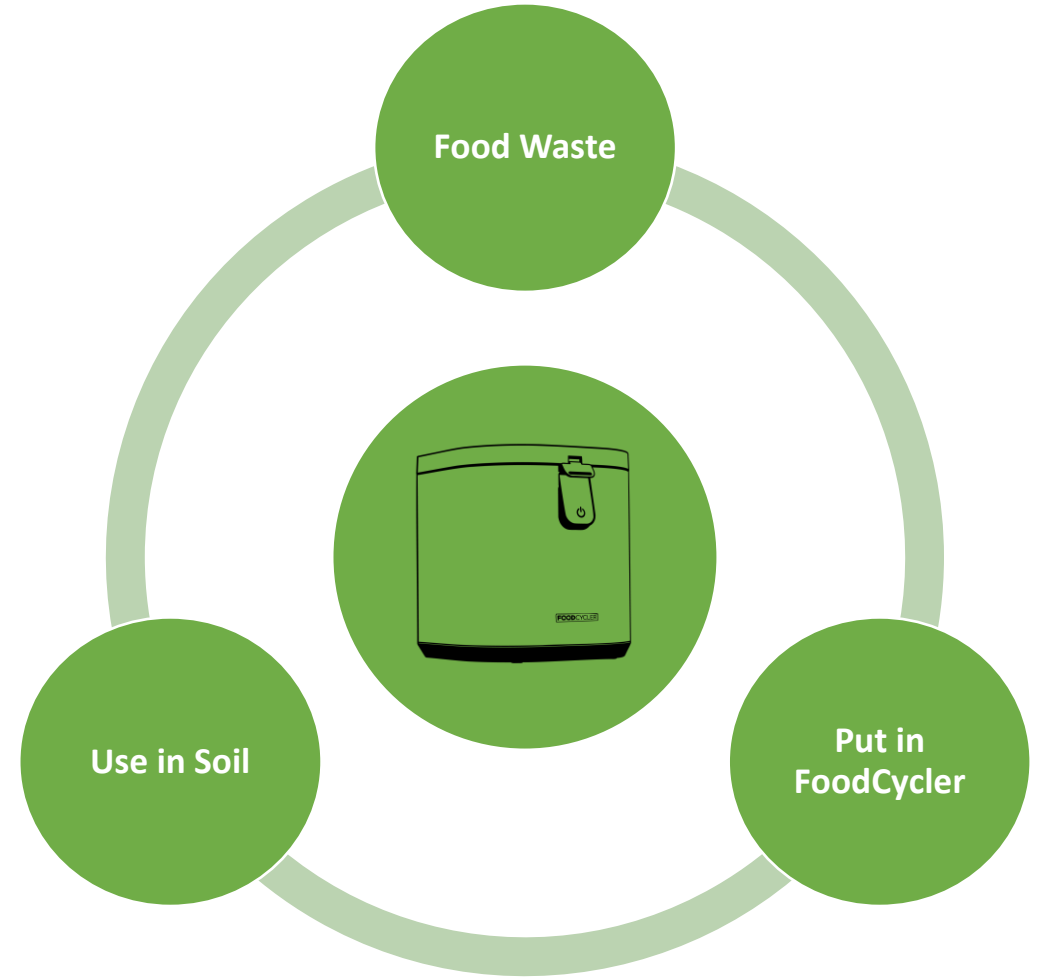




# IMPACT: ECONOMIC



Traditional Waste Management



FoodCycler

# IMPACT: PRESSURE

## Regulatory + Social

### THE TIME IS NOW

- Constituents want **solutions** to reduce their environmental impact
- Waste is perceived as a government problem and **regulations** are coming
- Food waste is “low-hanging fruit” to achieving higher **diversion** and addressing the environmental impact of waste



*"I've received a number of positive messages from residents saying, "sign me up, where can I get mine." I'm 100 per cent in favor of it."*

**Deputy Mayor Lyle Warden, (South Glengarry ON)**

*"We were extremely happy with this program and loved that it made us aware of our daily waste."*

**Pilot participant in South Glengarry**

*"It's a great tool to reduce household waste. Appreciate that the municipality is being innovative and piloting different solutions."*

**Pilot participant in Hornepayne**

*"It alleviates a lot of the concerns that people might have with backyard composting. The time commitment, the location, pests and animals..."*

**Kylie Hissa, Strategic Initiatives Officer  
(Kenora, ON)**

# THE FOODCYCLER PILOTS

The results are in.

Completed pilots in:

**6000+**  
Households

**50+**  
Municipalities



**Participation Rate** 98%

- 98% of pilot participants will continue using the FoodCycler after the pilot period

**Recommendation Rate** 96%

- 96% of users would recommend the FoodCycler to friends/family/neighbours

**User Experience Rating** 4.6/5

- 4.6 out of 5 star rating for the overall user experience of the FoodCycler

**Net New Diversion** 300 kg

- Each participating household is estimated to divert approximately 300 kg of food waste per year

**Awareness + Prevention** 77%

- 77% of pilot participants resolved to waste less food as a result of increased awareness

# FOOD WASTE REDUCTION CHALLENGE

## Impact Canada Finalists

### Federal Funding

- ✓ Semi-Finalists in Stage 1 received **\$100,000**
- ✓ Finalists in Stage 2 received **\$400,000**
- Finalists will compete in Stage 3 to win one of two Grand Prizes of up to **\$1,500,000**

IN PARTNERSHIP WITH:



# PILOT PROGRAM

12 Weeks from Start to Finish

## PILOT TIMELINE

### START

Residents purchase FoodCycler at a subsidized rate from Municipal Office (or other designated location)

### 12 WEEKS

Participants use the unit for a period of 12 weeks.

Number of cycles per week are tracked to estimate total diversion achieved.

### END

Participants fill out an exit survey, providing their review of the program and any other feedback.

Survey results used to evaluate program success.

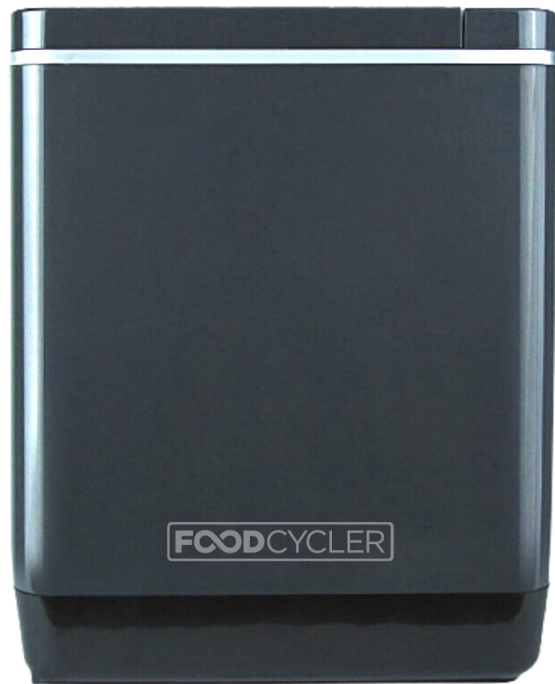
### NEXT STEPS

Tailored program design and implementation.

Grants may be available, with support from Food Cycle Science.

# FUNDED PILOT PROGRAM OPTIONS

## Municipal Subsidy Model



**FOODCYCLER™**  
**FC-30**

\$ 500
-\$ 200
-\$ 50
\$ 100
\$ 150

RETAIL PRICE

MUNICIPAL DISCOUNT

IMPACT CANADA INVESTMENT

\* MUNICIPAL SUBSIDY \*

RESIDENT COST

\$ 815
-\$ 265
-\$ 150
\$ 100
\$ 300



**FOODCYCLER™**  
**Eco 5**

# FUNDED PILOT PROGRAM OPTIONS

## Pilot Scope Recommendations

Municipality Population	Pilot Scope	Municipal Investment
< 2,500 Residents	50 Households	\$5,000
2,500 – 10,000 Residents	100 Households	\$10,000
10,000 – 20,000 Residents	200 Households	\$20,000
> 20,000 Residents	250+ Households	\$25,000+

- **Plus shipping costs and applicable taxes**



## PARTNERSHIP BENEFITS

### Why pilot with us?

- 🍃 Opportunity to trial a food waste diversion solution at a **cost well below market prices**
- 🍃 Immediate impact of reduced residential waste volumes thus **increasing diversion rates**
- 🍃 **Reduced costs** associated with waste management (collection, transfer, disposal, and landfill operations)
- 🍃 The **reduction of greenhouse gas (GHG)** emissions from transportation and decomposition of food waste in landfills
- 🍃 Extend the **life of your landfill(s)**
- 🍃 Opportunity to support **Canadian innovation** and clean tech
- 🍃 Opportunity to provide **residents** with an innovative solution that reduces waste and fights climate change, at an affordable price
- 🍃 Obtaining **data** that could be used to develop a **future organic waste diversion program**





**THANK YOU!**  
ANY QUESTIONS?

**Jacob Hanlon**

Municipal Program Coordinator

Email: [jacobh@foodcyclr.com](mailto:jacobh@foodcyclr.com)

Phone: 613-316-4094

**The Municipal Solutions Team**

[municipal@foodcyclr.com](mailto:municipal@foodcyclr.com)





## PLANNING & DEVELOPMENT

57 Napier Street, Goderich, Ontario N7A 1W2 CANADA

Phone: 519.524.8394 Ext. 3 Fax: 519.524.5677 Toll Free: 1.888.524.8394 Ext. 3

www.huroncounty.ca

To: Mayor MacLellan and Members of Huron East Council

From: Shae Stoll, Planner

Date: November 2, 2023

**Re: Consent C65-2023**

Plan 207, Park Lots 19 to 23, Part Park Lots 1,2, and 24, Grey Ward, Municipality of Huron East.  
(Municipally know as 43810 Cranbrook Road)

Applicant/ Owner: Murray and Marlene Fischer

### Recommendation

That application C65-2023 be recommended for approval with the attached conditions.

### Purpose

The purpose of this application is for an addition to a lot. The proposed land to be severed is approximately 3692 m<sup>2</sup> (0.9 acres) of vacant land. The proposed land to be retained is approximately 23 271 m<sup>2</sup> (20 acres) of vacant land. The severed parcel will be merged with the abutting land to the south (43828 Cranbrook Road) owned by Jacob Hildebrant which currently contains a house and shed.

The subject lands are zoned Low Density Residential (R1) on zone map 10A in the Huron East Zoning By-law. The lands are designated Urban on Schedule 'B' in the Huron East Official Plan.

### Review

This application:

Is consistent with the Provincial Policy Statement (Section 3(5) Planning Act): **Yes**

Does not require a plan of subdivision for the proper and orderly development of the municipality (Section 53(1) Planning Act): **Yes**

Conforms with section 51(24) of the Planning Act: **Yes**

Conforms to the Huron County Official Plan: **Yes**

Conforms to the Huron East Official Plan: **Yes**

Complies with the Huron East Zoning By-law (or will comply subject to a standard condition of rezoning or minor variance): **Yes**

Has no unresolved objections/concerns raised (to date) from agencies or the public: **Yes**

Applications that are unable to meet all of the foregoing criteria are referred to County Council for a decision.

**Figure 1.** Aerial photo of subject property. Retained land outlined in yellow. Severed portion outlined in orange and parcel severed to merge with in blue.



Figure 2. Severance sketch provided by applicant.

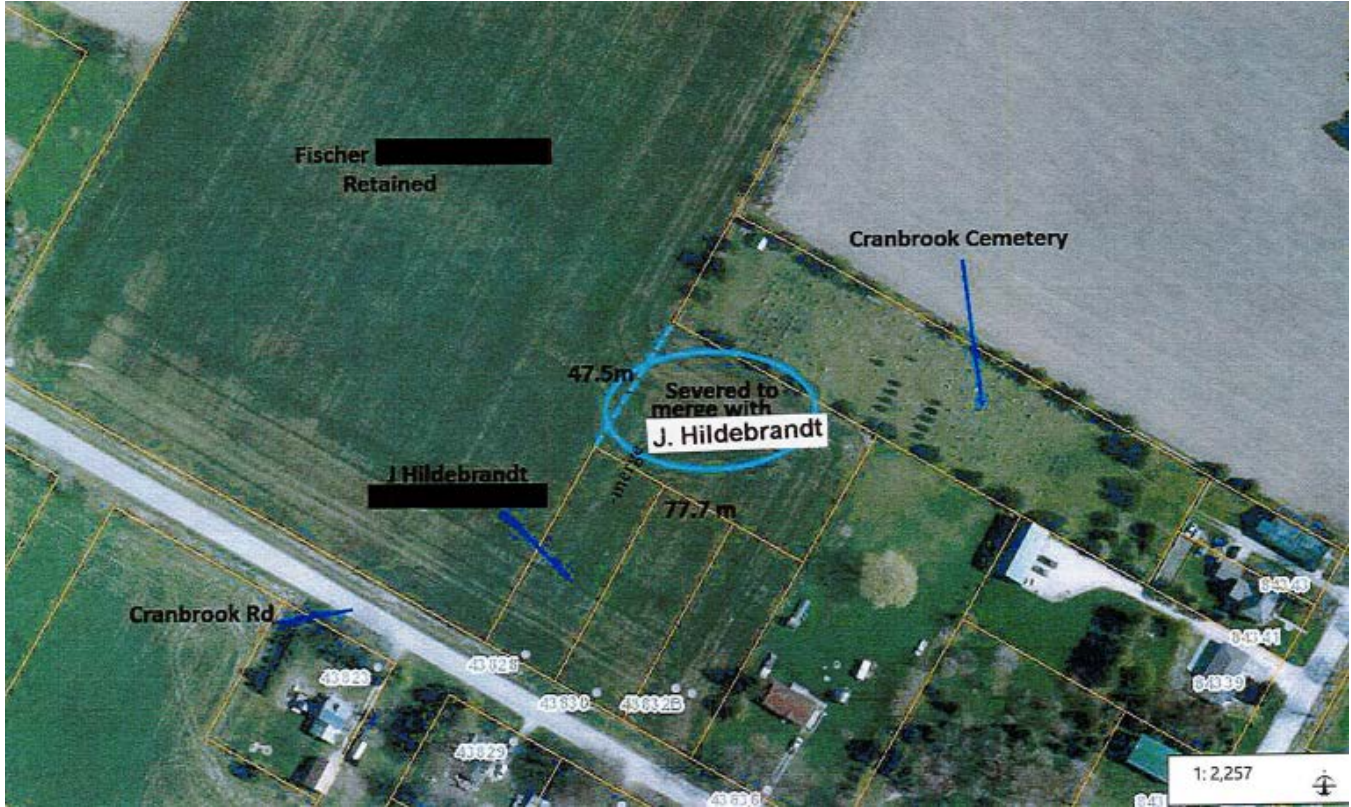


Figure 3. Site Photographs. Severed parcel where it abuts a cemetery on left and parcel where it abuts parcel to be merged with on right.



**Policy Review**

*Official Plan Policies*

The Huron East Official Plan provides policies for severances in Urban Designation. The retained lands are zoned residential (R1) but are currently used for cropping. The Plan contains policies to allow for minor lot adjustments, such as what is proposed in this application. The effect of this severance does not lead to the creation of an undersized lot and will have the effect of creating a more regular shape

C65-2023

November 2, 2023

for the retained lands which is better suited to the current agricultural and potential future residential use of the lands. No new lots are being created as a result of this application. The new configuration results in the abutting R1 property to be enlarged, resulting in a parcel approximately 1.33 acres in size.

The retained land will continue to be suitable for the existing agricultural use and will not have an impact on the potential future residential use. Each proposed parcel has an existing entrance onto Cranbrook Road.

The Huron County Official Plan also provides policies which allow for minor lot additions that do not result in the creation of a new lot.

A stage 1 & 2 archaeology assessment was conducted due to the proximity of a cemetery immediately north of the severed parcel. No archaeological resources were discovered on the site and as such, no further assessment is required.

#### **Agency and Public Comments**

There were no comments received from members of the public during circulation. No concerns were received by Huron East staff.

#### **Conclusion**

This application is consistent with the policies within the Provincial Policy Statement and conforms to the policies of the Huron County and Huron East Official Plans and provisions of the Huron East Zoning By-Law, and therefore is recommended for approval with the recommended conditions below.

**Recommended Conditions:****Expiry Period**

1. Conditions imposed must be met within two years of the date of notice of decision, as required by Section 53(41) of the Planning Act, RSO 1990, as amended. If conditions are not fulfilled as prescribed within two years, the application shall be deemed to be refused. Provided the conditions are fulfilled within two years, the application is valid for three years from the date of notice of decision.

**Municipal Requirements**

2. All municipal requirements, financial or otherwise, be met to the satisfaction of the Municipality (for example: servicing connections, property maintenance, compliance with zoning by-law provisions for structures).

**Survey/Reference Plan**

3. Provide to the satisfaction of the County and the Municipality:
  - a) a survey showing the lot lines of the severed parcel, easement, and the location of any buildings thereon, and
  - b) a reference plan based on an approved survey.

**Merging**

4. The severed land merge on title with the abutting lot to the south (43828 Cranbrook Road) upon issuance of the certificate under Section 53(42) of the Planning Act, RSO 1990, as amended.
5. A firm undertaking be provided to the satisfaction of the County from the solicitor acting for the parties indicating that:
  - a) the severed land and the abutting lot to the south will be consolidated into one P.I.N. under the Land Titles system;
  - b) where consolidation is not possible as the parcels to be merged are registered in two different systems (e.g. the Registry or Land Titles system), a notice will be registered in both systems indicating that the parcels have merged with one another and are considered to be one parcel with respect to Section 50 (3) or (5) of the Planning Act, R.S.O. 1990, C P.13 as amended.
6. Section 50(3) or (5) of the Planning Act, RSO 1990, as amended, applies to any subsequent conveyance or transaction of the severed land.

**Zoning**

7. Where a violation of any municipal zoning by-law is evident, the appropriate minor variance or rezoning be obtained to the satisfaction of the Municipality.

Sincerely,

'Original signed by'

---

Shae Stoll  
Planner

Site Inspection: October 24, 2023



## PLANNING & DEVELOPMENT

57 Napier Street, Goderich, Ontario N7A 1W2 CANADA

Phone: 519.524.8394 Ext. 3 Fax: 519.524.5677 Toll Free: 1.888.524.8394 Ext. 3

www.huroncounty.ca

To: Mayor MacLellan and Members of Huron East Council

From: Shae Stoll, Planner

Date: November 2, 2023

**Re: Consent 68-2023**

Plan 197, Lot 602, Parts 2, 3 & 4 on 22R-7290 subject to R174716 (storm sewer easement), Brussels Ward, Municipality of Huron East (Fishleigh Street, Brussels)

Applicant/ Owner: Christine Welsh

### Recommendation

That application C68-2023 be recommended for approval with the attached conditions.

### Purpose

The purpose of the consent application is to create a new residential lot. The proposed vacant severed land is approximately 464.8 square metres (5003 ft<sup>2</sup>), shown as part 2 on figure 2. The proposed vacant retained land is approximately 480 square metres (5,759 ft<sup>2</sup>), shown as part 3 & 4 on figure 2. The proposed retained lot is subject to a 6-metre-wide storm sewer easement, which runs along the north lot line.

The lands are designated *Residential* on Schedule "B" in the Huron East Official Plan, and zoned R1 (Residential Low Density) on Key Map 55 in the Huron East Zoning By-Law.

The subject lands were previously subject to and approved for a severance (file C30-2023) which separated the lands from the existing residence to the south.

### Review

This application:

Is consistent with the Provincial Policy Statement (Section 3(5) Planning Act): **Yes**

Does not require a plan of subdivision for the proper and orderly development of the municipality (Section 53(1) Planning Act): **Yes**

Conforms with section 51(24) of the Planning Act: **Yes**

Conforms to the Huron County Official Plan: **Yes**

Conforms to the Huron East Official Plan: **Yes**

Complies with the Huron East Zoning By-law (or will comply subject to a standard condition of rezoning or minor variance): **Yes**

Has no unresolved objections/concerns raised (to date) from agencies or the public: **Yes**

Recommended for approval by Huron East Council:

Applications that are unable to meet all of the foregoing criteria are referred to County Council for a decision.





**Figure 3. Photographs of Subject Lands**



**Figure 4. Aerial photograph showing potential buildable area based on required setbacks and presence of easement.**



**Policy Review**

The subject property is within the Settlement Area of Brussels. The surrounding land uses include low density residential and a community facility (Old Colony School). The consent application was reviewed against the policies for a severance in an Urban Settlement Area, with a proposed residential land use.

Consent Application File C68-2023 Welsh  
Nov 2, 2023

Section 10.3.3 of the Huron East Official Plan outlines the land division policies in an Urban designation which allows for the creation of new residential lots in an established residential neighbourhood. The Huron East Official Plan outlines several criteria for granting such consents including that lots are an appropriate size for the proposed development, the consent has the effect of infilling built-up area and does not result in the undue extension of major services. The consent proposes a lot size that is appropriate for the low-density residential dwellings proposed and permitted under the R1 zone and has the effect of infilling the established neighbourhood through development of an underutilized lot. The application does not result in undue extension of major services as adequate servicing capacity exists, however Public Works staff have noted that the existing water main does not extend down this portion of Fishleigh Street and will need to be extended at the developers cost to service any proposed development. The applicant has entered into a development agreement with the Municipality to address the extension of services to the two newly created lots.

The Official Plan identifies Brussels as a Primary Settlement Area and directs new residential development, such as infilling of vacant lots, to these areas. Section 6.5 includes the goal of providing of a mix of housing choices, both to rent and to own, to satisfy the varying housing needs of the community. The proposed development associated with this application helps to meet this goal.

This application conforms to the Huron East Official Plan and its consent policies for a severance in an Urban Settlement area and the policies in Section 6.5 for Primary Settlement Areas.

Both the severed and retained lots will meet the minimum required lot size of 450 square metres and there is an adequate buildable area for a residence on both lots, shown on figure 4. The applicant is aware that the storm sewer easement cannot be built on as per the terms of the easement. The subject lands are already designated Residential and zoned R1 in the Huron East Zoning By-Law and the proposed residential development meets the permitted uses of the existing zoning. Therefore, this application complies with the Huron East Zoning By-law.

### **Agency and Public Comments**

At the time of report submission, no concerns were received from Municipal staff, members of the public or other agencies.

### **Conclusion**

This consent application proposes to create two vacant residential infill parcels which are within an urban settlement area and supports the goals for residential intensification. The consent is consistent with the PPS, conforms to the policies of the Huron County Official Plan, Huron East Official Plan and the provisions of the Huron East Zoning By-law. It is therefore recommended that this application be approved with the conditions below.

### **Conditions:**

**Expiry Period**

1. Conditions imposed must be met within two years of the date of notice of decision, as required by Section 53(41) of the Planning Act, RSO 1990, as amended. If conditions are not fulfilled as prescribed within two years, the application shall be deemed to be refused. Provided the conditions are fulfilled within two years, the application is valid for three years from the date of notice of decision.

**Municipal Requirements**

2. All municipal requirements, financial or otherwise, be met to the satisfaction of the Municipality (for example: servicing connections, cash-in-lieu of park dedication, property maintenance, compliance with zoning by-law provisions for structures).
3. The subject parcels be numbered and addressed for 911 purposes to the satisfaction of the Municipality.
4. The sum of \$750 be paid to the Municipality as cash-in-lieu of parkland.

**Survey/Reference Plan**

5. Provide to the satisfaction of the County and the Municipality:
  - a) a survey showing the lot lines of the severed parcel, and the location of any buildings thereon, and
  - b) a reference plan based on an approved survey.

**Zoning**

6. Where a violation of any municipal zoning by-law is evident, the appropriate minor variance or rezoning be obtained to the satisfaction of the Municipality.

**Entrance**

7. The applicant shall obtain an entrance permit for the new lot to the satisfaction of the Municipality.

Sincerely,

'Original signed by'

---

Shae Stoll  
Planner

Site Inspection: October 24, 2023

**Huron East**  
**Administration**

**To:** Mayor MacLellan and Members of Council  
**From:** Jessica Rudy, Clerk  
**Date:** November 7, 2023  
**Subject:** Appointments to the United Way Huron East Community Committee

---

**Recommendation:**

That the Council of the Municipality of Huron East appoint Councillors Robert Fisher and John Steffler and the Director of Community Services Lissa Berard to the United Way Huron East Community Committee effective January 1, 2024.

**Background:**

On October 17, 2023 the United Way of Perth Huron provided a presentation to Council highlighting ongoing activities and initiatives.

During the presentation the United Way representatives requested that a Council and/or staff appointment be made to the new Huron East Community Committee commencing in 2024.

It was noted that the committee is expected to meet once a month for 9 months of the year to help tackle Huron East specific issues linked to poverty and social exclusion through hyperlocal strategic leadership, advocacy and investments.

**Comments:**

Following the meeting staff approached Departments Heads and Council to gather interest in the Committee.

Councillor Fisher, Councillor Steffler and the Director of Community Services had expressed their interest. Staff confirmed with the United Way that the three appointments were satisfactory for the Community Committee.

**Financial Implications:**

Councillors would be paid mileage and meeting attendance per the Remuneration Policy.

**Signatures:**

*Jessica Rudy*

\_\_\_\_\_  
Jessica Rudy, AMP, Clerk

*Brad McRoberts*

\_\_\_\_\_  
Brad McRoberts, MPA, P. Eng., CAO

To: Clerk/CEO

Re: Risk Management Official Servicing Agreement 2024-2026

Please find attached for review by your council, the proposed Risk Management Official Servicing Agreement for municipalities required to implement Part IV policies of the Ausable Bayfield and Maitland Valley Source Protection Plans under the *Clean Water Act, 2006*. Since 2015, eight municipalities have delegated the Ausable Bayfield Conservation Authority (ABCA) to act as Risk Management Officials (RMO) on their behalf. The municipalities include Ashfield-Colborne-Wawanosh, Bluewater, Central Huron, Huron East, Huron-Kinloss, Morris-Turnberry, North Huron and North Perth. This is the fourth agreement proposal for a three year period. The costing is based on all municipalities signing the agreement. If any municipalities decide not to participate then the base office cost will be adjusted accordingly.

Part IV of the *Clean Water Act, 2006* provides tools for municipalities to control existing and future activities in the intake protection zones and wellhead protection areas around their drinking water sources. They apply to risks that are deemed “significant” by provincial Technical Rules. The tools are enabled through local source protection plans, created by the Ausable Bayfield Maitland Valley (ABMV) Source Protection Committee and approved by the Minister of the Environment, Conservation and Parks (MECP). The *Clean Water Act, 2006* is founded on a leading municipal role in drinking water source protection, as part of the standard of care for councils and staff to provide safe, potable water to their communities.

The ABMV Source Protection Plans use of Part IV tools to address significant risks through the following means:

- Prohibit certain existing and future activities;
- Negotiate and enforce site-specific Risk Management Plans (RMP); and
- Flag development applications associated with certain land uses

Implementing Part IV policies requires the appointment of one or more risk management officials who would form the basis of a “risk management office.” Risk management officials must complete a Provincial training course and successfully pass an exam. Four ABCA staff are certified as Risk Management Officials.

There is currently an amendment to the ABMV Source Protection Plans awaiting MECP approval which includes multiple policy updates related to changes in the provincial Technical Rules for threats to drinking water such as fuel, salt, snow, pesticides and dense non-aqueous phase liquids. Many Risk Management Plans will need to be initiated, revised or rescinded once Ministers approval has taken place.

The proposed agreement includes these services:

Maintaining RMO certification requirements

Maintaining Data Bases

s.59 Notice issuance

Annual reporting

Support staff and IT  
Check Wellhead Protection Areas for prohibition/change of activity  
Travel costs  
Answering municipal/planning staff questions  
Answering property owner/realtor/Certified Crop Advisor/consultant questions  
Assist municipalities with new education policy  
Attend Provincial RMO mtgs  
Attending Open Houses  
Negotiate new RMPs for activity changes/new threat rules  
Inspect existing RMPs  
Update or rescind RMPs due to threat Rule changes  
Revise RMPs due to new owner/lease/activity changes

We are happy to host a virtual meeting to discuss the agreement if Clerks/CAOs would like one or present to councils as needed.

You and your mayors/reeves will also receive a separate e-mail from Abigail Gutteridge, ABCA Corporate Services Co-ordinator at a later date with the agreement for signature through DocuSign. Once signed by all parties interested in our services, an invoice will be sent in early December for the 2024 servicing fee and a copy of the Agreement with all of signatures.

Please give me a call if you have any questions.

Mary Lynn

*Mary Lynn MacDonald*

**Co-DWSP Program Supervisor/Risk Management Official**

Ausable Bayfield Maitland Valley Source Protection Region, 71108 Morrison Line, RR 3 Exeter  
NOM 1S5

519-235-2610 ext. 247 cell – 519-963-8112 [www.sourcewaterinfo.on.ca](http://www.sourcewaterinfo.on.ca)



**SOURCE PROTECTION PLAN PART IV ENFORCEMENT TRANSFER AGREEMENT**

THIS AGREEMENT made effective the first day of January 2024.

BETWEEN:

**THE MUNICIPALITY OF BLUEWATER** OF THE FIRST PART

-and-

**THE MUNICIPALITY OF CENTRAL HURON** OF THE SECOND PART

-and-

**THE MUNICIPALITY OF HURON EAST** OF THE THIRD PART

-and-

**THE MUNICIPALITY OF MORRIS-TURNBERRY** OF THE FORTH PART

-and-

**THE MUNICIPALITY OF NORTH PERTH** OF THE FIFTH PART

-and-

**THE TOWNSHIP OF ASHFIELD-COLBORNE-WAWANOSH** OF THE SIXTH PART

-and-

**THE TOWNSHIP OF HURON-KINLOSS** OF THE SEVENTH PART

-and-

**THE TOWNSHIP OF NORTH HURON** OF THE EIGHTH PART

(hereinafter called “the Municipalities”)

- and -

**AUSABLE BAYFIELD CONSERVATION AUTHORITY**  
(hereinafter called “the Authority”)

OF THE NINTH PART



**PREAMBLE:**

**WHEREAS** this Agreement is being entered into pursuant to the *Clean Water Act*, 2006 (hereinafter called the “*Act*”) for the purpose of appointing the Authorities as agents of the Municipalities with respect to the enforcement and jurisdictional rights under Part IV of the *Act* as part of implementation of the Ausable Bayfield Source Protection Plan and the Maitland Valley Source Protection Plan.

And Whereas the Authority is a Source Protection Authority for purposes of the Act and of this Agreement;

And Whereas the Municipalities are located within the Ausable Bayfield Maitland Valley Source Protection Region as set out in Ontario Regulation 284/07.

**IN CONSIDERATION** of the mutual covenants herein contained, the parties hereby agree as follows:

**ARTICLE ONE  
GENERAL**

**Section 1.01: Source Protection Authorities**

Under section 4 of the *Act*, the Ausable Bayfield Conservation Authority (ABCA) and the Maitland Valley Conservation Authority (MVCA) serve as the Source Protection Authorities for the Ausable Bayfield Source Protection Area and the Maitland Valley Source Protection Area respectively. Ontario Regulation 284/07 under the *Act* designates the participating municipalities for ABCA and MVCA when they act as the Source Protection Authorities under the *Act*.

**Section 1.02: Part IV Requirements under the Act**

The *Act*, provides that a municipality is responsible for Part IV enforcement of Source Protection Plans. The *Act* further provides that a municipality may enter into an agreement for the enforcement of Part IV by a board of health, a planning board, or a Source Protection Authority.

**The Municipalities hereby appoint the Ausable Bayfield Conservation Authority as agent of the Municipalities to carry out enforcement under Part IV of the Act within their respective Municipality.**

**Section 1.03: Application**

This Agreement shall be applicable to all lands located in the Municipalities that are subject to Part IV of the *Act*.

**The Ausable Bayfield Conservation Authority hereby accepts the appointment and agrees to act as Agent of the Municipalities for the duties and enforcement responsibilities of Part IV of the Act for those lands located within the Municipalities that are situated within the Ausable Bayfield Maitland Valley Source Protection Region, with the exception of the Municipality of Huron-Kinloss in which the Ausable Bayfield Conservation Authority hereby accepts the appointment and agrees to act as Agent of the Municipalities for the duties and enforcement responsibilities of Part IV of the Act for all lands within the Municipality of Huron-Kinloss.**

**Section 1.04: Duties**

The Authorities shall faithfully carry out their duties hereunder on a fee for service basis in accordance with the *Act*, the Ausable Bayfield Source Protection Plan (as amended from time to time) and the Maitland Valley Source Protection Plan (as amended from time to time), this Agreement, and any other applicable legislation.

## ARTICLE TWO DEFINITIONS

### Section 2.01: Definitions

Unless otherwise expressly provided in this Agreement, the words, phrases and expressions in this Agreement shall have the meanings attributed to them as follows:

1. In this Agreement:

- a) “Act” means the Ontario *Clean Water Act, 2006*, as amended;
- b) “Agreement” means this document;
- c) “Parties” means the Authorities and the Municipalities;
- d) “the Regulation” means *Clean Water Act Regulation 287/07*
- e) “Risk Management Inspector” means a Risk Management Inspector appointed under Part IV of the *Act*;
- f) “Risk Management Official” means the Risk Management Official appointed under Part IV of the *Act*;
- g) “Source Protection Authority” means a Conservation Authority or other person or body that, under subsection 4 (2) or section 5 of the *Act*, is required to exercise and perform the powers and duties of a drinking water Source Protection Authority under the *Act*;
- h) “Source Protection Plan” means a drinking water source protection plan prepared under the *Act*.

## ARTICLE THREE RESPONSIBILITIES

### Section 3.01: Responsibilities of the Authority

The Authority is responsible for all the powers and duties of an enforcement body under Part IV of the *Act*. The duties and powers **include but are not limited to** those listed in this Section.

The Authority shall:

- (i) Appoint such Risk Management Officials and Risk Management Inspectors as are necessary for the enforcement of Part IV of the *Act*.
- (ii) Provide mapping to the Municipalities and establish protocols in consultation with the Municipalities to ensure Part IV requirements are incorporated into the review of applications under the *Planning Act* and *Building Code Act*.
- (iii) Review applications under the *Planning Act* and *Building Code Act* as deemed necessary under the protocols referred to in (ii) and issue notices with respect to Restricted Land Use policies prior to those applications proceeding.
- (iv) Negotiate or, if negotiations fail, establish risk management plans with persons (business owners, landowners, tenants, and others) engaged or proposing to engage in an activity and at a location subject to the *Act*.
- (v) Review and accept risk assessments under the *Act*.
- (vi) Conduct inspections and use powers of entry on properties where reasonable and obtain inspection warrants from a court where required.
- (vii) Issue orders and notices, prosecute any offences under Part IV of the *Act* and exercise any other powers set out under Part IV of the *Act* to ensure compliance with the Part IV policies in the Ausable Bayfield Source Protection Plan and the Maitland Valley Source Protection Plan.
- (viii) Maintain records in accordance with the *Act* and make records available to the public when required to do so and to the Municipalities upon request.
- (ix) Prepare documentation and make provisions for staff to attend Environmental Review Tribunal Hearings.
- (x) Report annually on activities as required under the *Act* and provide a copy of the annual report to the Municipalities.

**Section 3.02: Responsibilities of the Municipalities**

The Municipalities shall adhere to agreed upon protocols (including circulating certain applications to the Risk Management Official) to ensure Part IV requirements are incorporated into the review of:

- (i) building permit applications;
- (ii) applications under provisions of the Planning Act that are prescribed in section 62 of the Regulation; and
- (iii) generally, cooperate with and assist the Authority with the protection of safe drinking water.

**Section 3.03: Information and Data Sharing**

To facilitate implementation of this Agreement:

- (i) The Municipalities shall provide information and data required by the Authority to carry out its powers and duties under Part IV of the *Act*.
- (ii) The Authority shall provide records related to its powers and duties under Part IV of the *Act* to the Municipalities, upon request. In the event of termination of this Agreement, records will be transferred to their respective Municipalities.

## ARTICLE FOUR COSTS

**Section 4.01: Responsibility for Cost of Service Delivery**

The Municipalities are responsible for the costs of the enforcement of Part IV of the *Act*. The Municipalities shall pay the Authority as per Schedule A of this Agreement.

**Section 4.02: Recovery of Extraordinary Costs**

The Authority, through consultation with the Municipalities will recover from the Municipalities costs incurred as a result of legal actions initiated by or against the Authority associated with executing its duties and powers under this Agreement and for costs associated with non-routine work including but not limited to enforcement orders, warrants, Environmental Review Tribunal Hearings and retention of third party experts. These costs are in addition to those outlined in Schedule A.

## ARTICLE FIVE OFFICIALS AND INSPECTORS

**Section 5.01: Appointment**

The Authority will appoint such Risk Management Officials and Risk Management Inspectors as are necessary pursuant to subsection 48 (2) of the *Act* and shall issue a certificate of appointment to the Risk Management Officials and Risk Management Inspectors as per subsection 48 (3) of the *Act*.

**Section 5.02: Qualifications**

The Risk Management Officials and Risk Management Inspectors will be qualified as prescribed by the Regulation.

## ARTICLE SIX LIABILITIES AND INSURANCE

**Section 6.01: Insurance**

The Authority shall provide and maintain Commercial/Comprehensive General Liability insurance subject to limits of not less than Two Million Dollars (\$2,000,000.00) inclusive per occurrence for bodily injury, death and damage to property including loss of use thereof.

The Authority shall provide and maintain Errors and Omissions insurance subject to limits of not less than an annual aggregate of Two Million Dollars (\$2,000,000.00). Such insurance shall provide coverage for all errors and omissions made by the Authority, its officers, directors and employees in regard to the obligations of the Authority under this Agreement.

Such insurance shall be kept in force for the two years following termination of this Agreement.

Such insurance shall be in the name of the Authority and shall name the Municipalities as additional insured there under. Evidence of insurance satisfactory to the Municipalities shall be provided to the Municipalities prior to the commencement of work. The Authority shall annually provide the Municipalities with Certificate(s) of Insurance confirming that the said insurance policies are in good standing.

**Section 6.02: Workplace Safety and Insurance Board (WSIB)**

The Authority will provide upon request, verification of WSIB coverage.

**Section 6.03 Indemnification**

The Municipalities agree to save harmless and indemnify the Authority, and its employees, agents, assigns, directors and officers (collectively, the ‘Indemnified Parties’) from and against any claims, costs, fees, losses, damages or expenses of every nature and kind whatsoever, including but not limited to governmental inquiries, administrative or judicial proceedings, which the Authority Indemnified Parties, might suffer, have imposed on, or incur in connection with or arising out of: this Agreement; any enforcement duties or responsibilities; or otherwise in connection with the *Act* or any regulations thereunder.

The Authority agrees to save harmless and indemnify the Municipalities, and its employees, agents, assigns, directors and officers (collectively, the ‘Indemnified Parties’) from and against any claims, costs, fees, losses, damages or expenses of every nature and kind whatsoever, including but not limited to governmental inquiries, administrative or judicial proceedings, which the Municipal Indemnified Parties, might suffer, have imposed on, or incur in connection with or arising out of the Authority failing to perform its duties or responsibilities under this Agreement.

**ARTICLE SEVEN**

**TERM, RENEWAL, TERMINATION AND AMENDMENT OF AGREEMENT**

**Section 7.01: Initial Term**

This Agreement shall continue in force for a period of 3 years, commencing on the 1<sup>st</sup> day of January 2024, and ending the 31<sup>st</sup> day of December 2026.

**Section 7.02: Deemed Renewal**

This Agreement will automatically continue following the expiry of the term set out in Section 7.01 until it is:

- a. Superseded or replaced by a subsequent agreement; or
- b. Terminated in its entirety by either party by giving 90 days written notice.

**Section 7.03: Termination**

The Agreement may be terminated by either party with a minimum of 180 days written notice.

**Section 7.04: Amendment**

This Agreement may be amended by mutual agreement from time to time to reflect changes in programs, funding and personnel in both parties, or changes in provincial policy.

**ARTICLE EIGHT  
MISCELLANEOUS**

**Section 8.01: Preamble**

The preamble hereto shall be deemed to form an integral part hereof.

**Section 8.02: Instrument in Writing**

This Agreement shall not be changed, modified, terminated or discharged in whole or in part except by instrument in writing signed by the parties hereto, or their respective successors or permitted assigns, or otherwise as provided herein.

**Section 8.03: Assignment**

This Agreement shall not be assignable by either party.

**Section 8.04: Force Majeure**

Any delay or failure of either party to perform its obligations under this Agreement shall be excused and this Agreement is suspended if, and to the extent that, a delay or failure is caused by an event or occurrence beyond the reasonable control of the party and without its fault or negligence, such as, by way of example and not by way of limitation, acts of God, pandemics, fires, floods, wind storms, riots, labour problems (including lock-outs, strikes and slow-downs) or court injunction or order.

**Section 8.05: Notices**

Any notice, report or other communication required or permitted to be given hereunder shall be in writing unless some other method of giving such notice, report or other communication is expressly accepted by the party to whom it is given and shall be given by being delivered or mailed to the following addresses of the parties respectively:

(a) To the Authority:

Brian Horner, General Manager / Secretary-Treasurer

Ausable Bayfield Conservation Authority  
71108 Morrison Line  
R.R. # 3  
Exeter, ON N0M 1S5

(b) To the Municipalities:

Municipality of Bluewater  
PO Box 250, 14 Mill Avenue  
Zurich, ON N0M 2T0  
*Attention: Municipal Clerk / Chief Administrative Officer*

Municipality of Central Huron  
PO Box 400, 23 Albert Street  
Clinton, ON N0M 1L0  
*Attention: Municipal Clerk / Chief Administrative Officer*

Municipality of Huron East  
PO Box 610, 72 Main Street  
Seaforth, ON N0K 1W0  
*Attention: Municipal Clerk / Chief Administrative Officer*

Municipality of Morris-Turnberry  
PO Box 310, 41342 Morris Road  
Brussels, ON N0G 1H0

*Attention: Municipal Clerk / Chief Administrative Officer*

Municipality of North Perth  
330 Wallace Ave. N.  
Listowel ON N4W 1L3

*Attention: Municipal Clerk / Chief Administrative Officer*

Township of Ashfield-Colborne-Wawanosh  
82133 Council Line  
R.R.#5  
Goderich, ON N7A 3Y2

*Attention: Municipal Clerk / Chief Administrative Officer*

Township of Huron-Kinloss  
21 Queen Street, P.O. Box 130  
Ripley, ON N0G 2R0

*Attention: Municipal Clerk / Chief Administrative Officer*

Township of North Huron  
Box 90, 274 Josephine Street  
Wingham, ON N0G 2W0

*Attention: Municipal Clerk / Chief Administrative Officer*

Any notice, report or other written communication, if delivered, shall be deemed to have been given or made on the date on which it was delivered to any employee of such party, or if mailed, postage prepaid, shall be deemed to have been given or made on the third business day following the day on which it was mailed (unless at the time of mailing or within forty-eight hours thereof there shall be a strike, interruption or lock-out in the Canadian postal service in which case service shall be by way of delivery only). Either party may at any time give notice in writing to the other party of the change of its address for the purpose of this Agreement.

**Section 8.06: Headings**

The Section headings hereof have been inserted for the convenience of reference only and shall not be construed to affect the meaning, construction or effect of this Agreement.

**Section 8.07: Governing Law**

The provisions of this Agreement shall be construed and interpreted in accordance with the laws of the Province of Ontario as at the time in effect.

IN WITNESS WHEREOF the parties hereto have executed this Agreement as of the day and year first written above.

**AUSABLE BAYFIELD CONSERVATION AUTHORITY**

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Signature	Marissa Vaughan	Chair	Date
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Signature	Brian Horner	General Manager and Secretary-Treasurer	Date
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**MUNICIPALITY OF BLUEWATER**

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Signature	Paul Klopp	Mayor	Date
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Signature	Chandra Alexander	Clerk	Date
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I/We have authority to bind the Municipality.

**MUNICIPALITY OF CENTRAL HURON**

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Signature	Jim Ginn	Mayor	Date
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Signature	Rachel Anstett	Clerk	Date
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I/We have authority to bind the Municipality.

**MUNICIPALITY OF HURON EAST**

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Signature	Bernie MacLellan	Mayor	Date
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Signature	Jessica Rudy	Clerk	Date
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I/We have authority to bind the Municipality.

**MUNICIPALITY OF MORRIS-TURNBERRY**

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Signature	Jamie Heffer	Mayor	Date
-----------	--------------	-------	------

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Signature	Trevor Hallam	CAO-Clerk	Date
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I/We have authority to bind the Municipality.

**MUNICIPALITY OF NORTH PERTH**

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Signature	Todd Kasenberg	Mayor	Date
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Signature	Sarah Carter	Clerk	Date
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I/We have authority to bind the Municipality.

**TOWNSHIP OF ASHFIELD-COLBORNE-WAWANOSH**

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Signature	Glen McNeil	Mayor	Date
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Signature	Florence Witherspoon	Clerk	Date
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I/We have authority to bind the Township.



**TOWNSHIP OF HURON-KINLOSS**

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Signature	Don Murray	Mayor	Date
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Signature	Jennifer White	Clerk	Date
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I/We have authority to bind the Township.

**TOWNSHIP OF NORTH HURON**

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Signature	Paul Heffer	Reeve	Date
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Signature	Carson Lamb	Clerk	Date
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I/We have authority to bind the Township.

SCHEDULE 'A'

RMO Delivery Costs  
January 01, 2024 through December 31, 2026

## Appendix A

## RMO Services Costs Per Municipality

Municipality	# of wells / WHPAs*	Fixed Program Costs (Yearly Cost)	Est. # RMPs* 2024-26	% Workload for RMPs	Yearly cost % of RMP workload	Total Yearly RMO Services Cost	Total costs 2024-2026	Total Costs 2021-2023
ACW	5	\$5,787.00	7	11%	\$1,045.05	\$6,832.05	\$20,496.14	\$19,963.62
Bluewater	0	\$5,787.00	0	0%	\$0.00	\$5,787.00	\$17,361.00	\$20,778.62
Central Huron	8	\$5,787.00	13	20%	\$1,940.80	\$7,727.80	\$23,183.40	\$24,864.62
Huron East	4	\$5,787.00	8	12%	\$1,194.34	\$6,981.34	\$20,944.02	\$24,864.62
Huron-Kinloss	9	\$5,787.00	12	18%	\$1,791.51	\$7,578.51	\$22,735.52	\$27,717.12
Morris-Turnberry	2	\$5,787.00	6	9%	\$895.75	\$6,682.75	\$20,048.26	\$22,012.12
North Huron	2	\$5,787.00	9	14%	\$1,343.63	\$7,130.63	\$21,391.89	\$26,494.62
North Perth	7	\$5,787.00	10	15%	\$1,492.92	\$7,279.92	\$21,839.77	\$30,569.62
<b>Total</b>		<b>\$46,296.00</b>	<b>65</b>	<b>100%</b>	<b>\$9,704.00</b>	<b>\$56,000.00</b>	<b>\$168,000.00</b>	<b>\$197,264.92</b>

\* RMP = Risk Management Plan; WHPA= wellhead protection area

**Fixed Program costs include:**

- Maintaining RMO certification requirements
- Maintaining Data Bases
- s.59 Notice issuance
- Annual reporting
- Support staff and IT
- Check WHPA's for Prohibition/change of activity
- Travel costs
- Answering municipal/planning staff questions
- Answering property owner/realtor/CCA/consultant questions
- Assist municipalities with new education policy
- Attend Provincial RMO mtgs
- Attending Open Houses

**% RMP workload costs include:**

- Negotiate new RMPS for activity changes/new threat rules
- Inspect existing RMPs
- Update or rescind RMPs due to threat rule changes
- Revise RMPs due to new owner/lease/activity changes
- Travel costs

Donald & Judith Smith  
[REDACTED]

Ethel, On.  
N0G 1T0

Nov. 1, 2023.

Dear Diane:

We are not sure what the proper channel is for making a request to council, so thought we would start with you.

We feel the YIELD sign at the intersection of Cardiff & McNabb Road should be replaced with a STOP sign, immediately!!

There are certain vehicles not heeding the Yield sign, crossing the intersection without slowing at all !!

Several neighbours have been witness to this.

Cardiff Road is heavily travelled by two Excavating Companies, Buses, Heavy Farm Equipment, and general traffic. With current corn field conditions and the hill to the east, it is impossible to see oncoming vehicles, without stopping, when travelling on McNabb Road. The neighbours are very concerned that one day there will be a horrible accident, possibly resulting in death.

Hopefully this can be addressed asap, or you can instruct us how to progress.

Thank you,

Don & Judy  
[REDACTED]



**The Corporation  
of the  
Municipality of Huron East  
By-law No. 077 for 2023**

Being a By-law to Abandon a portion of Branch C of the  
McDonald Municipal Drain

**Whereas** pursuant to Section 84(1) of the Drainage Act, R.S.O. 1990, as amended provides that a Council, upon receiving written notification by three-quarters of the owners assessed for benefit asking for an abonnement of drainage works shall notify all assessed owners of the proposed abandonment;

**And Whereas** Council has received written request from owners of Plan 310 W Pt. Lot 19 W Pt Lot 20; Roll Number 404042001802000 to abandon Drain Station 15+66 to 16+90 of the C Branch of the McDonald Municipal Drain;

**And Whereas** Council is desirous of abandoning Plan 310 Lot 17, Lot 18 Roll Number 404042001801800 to abandon Drain Station 14+34 to 15+66 of the C Branch of the McDonald Municipal Drain;

**And Whereas** Council has complied with the notification requirements of Section 84(1) and 84(2) of the Drainage Act, and no objections of the proposed abandonment have been received;

**Now Therefore** the Council of the Corporation of the Municipality of Huron East **Enacts as Follows:**

1. That Branch C of the McDonald Municipal Drain, constructed under the provisions of By-law 9-1978 of the former Township of Grey, is hereby abandoned on Plan 310 W Pt. Lot 19 W Pt Lot 20; Roll Number 404042001802000 and abandoning Plan 310 Lot 17, Lot 18 Roll Number 404042001801800, Grey Ward, of the Municipality of Huron East as shown on the attached Schedule A.
2. That the Municipality of Huron East shall have no further obligation to the section of the municipal drain being abandoned.
3. That the balance of the McDonald Drain shall continue to be maintained under the provisions of By-law 9-1978 of the former Township of Grey.
4. This By-law shall come into force and effect on the date of final passing thereof.

**Read** a first and second time this 7<sup>th</sup> day of November 2023.

**Read** a third time and finally passed this 7<sup>th</sup> day of November 2023.

---

Bernie MacLellan, Mayor

---

Jessica Rudy, Clerk

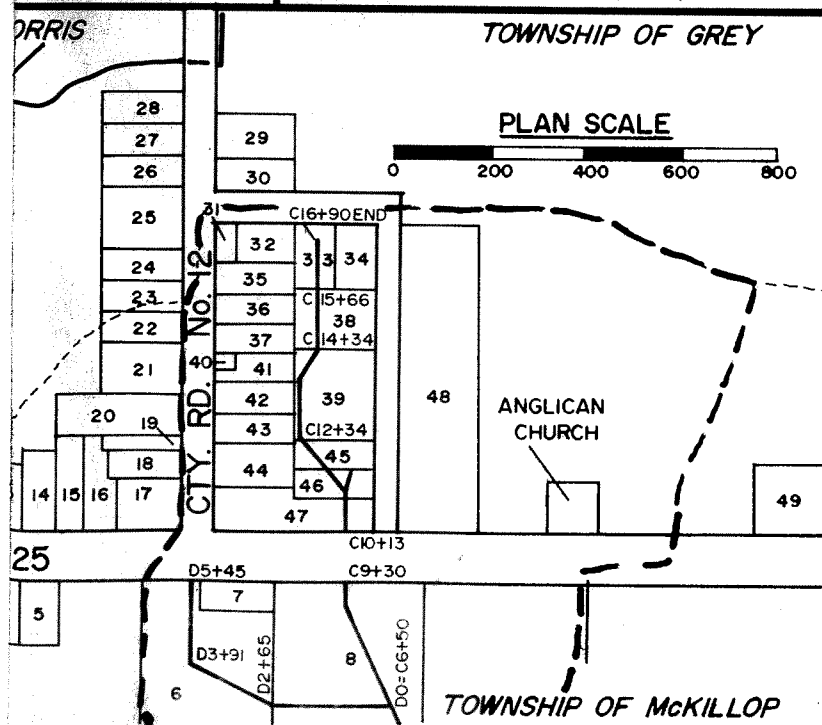
(McKILLOP)	26	E. HACKWELL	(MORRIS)
(McKILLOP)	27	B. PAYNE	(MORRIS)
(McKILLOP)	28	D. NOLAN	(MORRIS)
(McKILLOP)	29	R. BENNETT	(GREY)
(McKILLOP)	30	F. KIRBY	(GREY)
(McKILLOP)	31	J. BROADFOOT	(GREY)
(McKILLOP)	32	J. MARKS EST.	(GREY)
(McKILLOP)	33	J. GORDON	(GREY)
(MORRIS)	34	G. BENNETT	(GREY)
(MORRIS)	35	D. KIRBY	(GREY)
(MORRIS)	36	V. BADLEY &	
(MORRIS)		S. McDONALD	(GREY)
(MORRIS)	37	L. MURRAY	(GREY)
(MORRIS)	38	E. STEVENS	(GREY)
(MORRIS)	39	C. FLOOD	(GREY)
(MORRIS)	40	D. KIRBY	(GREY)
(MORRIS)	41	G. MURRAY	(GREY)
(MORRIS)	42	W. HUMPHRIES EST.	(GREY)
(MORRIS)	43	W. HUMPHRIES EST.	(GREY)
(MORRIS)	44	T. SMITH	(GREY)
(MORRIS)	45	S. HUMPHRIES	(GREY)
(MORRIS)	46	R. WILLIAMSON	(GREY)
(MORRIS)	47	G. McGAVIN EST.	(GREY)
(MORRIS)	48	G. RYAN	(GREY)
(MORRIS)	49	H. HACKWELL	(GREY)



## BENCH MARKS

No.	DESCRIPTION	ELEV.
1	NAIL IN FENCE POST 200' RT. STA. C2+00 (FORMERLY B.M. No. 3 ON THE 1977 "B" DRAIN SURVEY. SEE D-439-I)	74.74
2	NAIL IN HYDRO POLE 100' RT. STA. C9+40	80.40

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

PROJECT No.  
D-452DRAWING No.  
D-452-1

DRAWN BY: C.R.S.

DESIGNED BY: C.R.S.

APPROVED: E.W.S.

DATE: JUNE, 1978

SCALE: AS SHOWN

THE  
**McDONALD**  
MUNICIPAL DRAIN  
"C" & "D" DRAINS  
TOWNSHIP OF GREY

**PLAN AND PROFILES**

**GAMSBY AND MANNEROW LIMITED**  
Consulting Professional Engineers  
GUELPH — OWEN SOUND

**The Corporation**  
**of the**  
**Municipality of Huron East**  
**By-law No. 078 for 2023**

Being a By-law to Authorize a Source Protection Plan Part IV  
Enforcement Transfer Agreement under the Clean Water Act  
with the Ausable Bayfield Conservation Authority (ABCA)  
and to Repeal By-law 071-2020

**Whereas** Section 20(1) of the Municipal Act, S.O. 2001, c.25, as amended, provides that a municipality may enter into an agreement with one or more local municipalities or local bodies, as defined in Section 19, or a combination of both to jointly provide for their joint benefit, matter which all of them have the power to provide within their own boundaries;

**And Whereas** under Part IV of the Clean Water Act, 2006, a municipality is responsible for Part IV enforcement of Source Protection Plans and further that a municipality may enter into an agreement for the enforcement of Part IV with a Source Protection Agency;

**And Whereas** the Ausable Bayfield Conservation Authority is a Source Protection Authority for the purposes of the Clean Water Act, 2006;

**Now Therefore** the Council of the Corporation of the Municipality of Huron East **Enacts As Follows:**

1. That the Mayor and Clerk are authorized to sign and execute a Source Protection Plan Part IV Enforcement Transfer Agreement attached as Schedule 'A' with the ABCA for the enforcement and jurisdictional authority of Part IV of the Clean Water Act, 2006 for a term commencing January 1, 2024 until December 31, 2026.
2. That By-law 071-2020 is hereby repealed.
3. That this By-law shall come into force and take effect on the date of final passing thereof.

**Read** a first and second time this 7<sup>th</sup> day of November, 2023.

**Read** a third time and finally passed this 7<sup>th</sup> day of November, 2023.

---

Bernie MacLellan, Mayor

---

Jessica Rudy, Clerk



**SOURCE PROTECTION PLAN PART IV ENFORCEMENT TRANSFER AGREEMENT**

THIS AGREEMENT made effective the first day of January 2024.

BETWEEN:

**THE MUNICIPALITY OF BLUEWATER** OF THE FIRST PART

-and-

**THE MUNICIPALITY OF CENTRAL HURON** OF THE SECOND PART

-and-

**THE MUNICIPALITY OF HURON EAST** OF THE THIRD PART

-and-

**THE MUNICIPALITY OF MORRIS-TURNBERRY** OF THE FORTH PART

-and-

**THE MUNICIPALITY OF NORTH PERTH** OF THE FIFTH PART

-and-

**THE TOWNSHIP OF ASHFIELD-COLBORNE-WAWANOSH** OF THE SIXTH PART

-and-

**THE TOWNSHIP OF HURON-KINLOSS** OF THE SEVENTH PART

-and-

**THE TOWNSHIP OF NORTH HURON** OF THE EIGHTH PART

(hereinafter called “the Municipalities”)

- and -

**AUSABLE BAYFIELD CONSERVATION AUTHORITY**  
(hereinafter called “the Authority”)

OF THE NINTH PART

**PREAMBLE:**

**WHEREAS** this Agreement is being entered into pursuant to the *Clean Water Act*, 2006 (hereinafter called the “*Act*”) for the purpose of appointing the Authorities as agents of the Municipalities with respect to the enforcement and jurisdictional rights under Part IV of the *Act* as part of implementation of the Ausable Bayfield Source Protection Plan and the Maitland Valley Source Protection Plan.

And Whereas the Authority is a Source Protection Authority for purposes of the Act and of this Agreement;

And Whereas the Municipalities are located within the Ausable Bayfield Maitland Valley Source Protection Region as set out in Ontario Regulation 284/07.

**IN CONSIDERATION** of the mutual covenants herein contained, the parties hereby agree as follows:

**ARTICLE ONE  
GENERAL**

**Section 1.01: Source Protection Authorities**

Under section 4 of the *Act*, the Ausable Bayfield Conservation Authority (ABCA) and the Maitland Valley Conservation Authority (MVCA) serve as the Source Protection Authorities for the Ausable Bayfield Source Protection Area and the Maitland Valley Source Protection Area respectively. Ontario Regulation 284/07 under the *Act* designates the participating municipalities for ABCA and MVCA when they act as the Source Protection Authorities under the *Act*.

**Section 1.02: Part IV Requirements under the Act**

The *Act*, provides that a municipality is responsible for Part IV enforcement of Source Protection Plans. The *Act* further provides that a municipality may enter into an agreement for the enforcement of Part IV by a board of health, a planning board, or a Source Protection Authority.

**The Municipalities hereby appoint the Ausable Bayfield Conservation Authority as agent of the Municipalities to carry out enforcement under Part IV of the Act within their respective Municipality.**

**Section 1.03: Application**

This Agreement shall be applicable to all lands located in the Municipalities that are subject to Part IV of the *Act*.

**The Ausable Bayfield Conservation Authority hereby accepts the appointment and agrees to act as Agent of the Municipalities for the duties and enforcement responsibilities of Part IV of the Act for those lands located within the Municipalities that are situated within the Ausable Bayfield Maitland Valley Source Protection Region, with the exception of the Municipality of Huron-Kinloss in which the Ausable Bayfield Conservation Authority hereby accepts the appointment and agrees to act as Agent of the Municipalities for the duties and enforcement responsibilities of Part IV of the Act for all lands within the Municipality of Huron-Kinloss.**

**Section 1.04: Duties**

The Authorities shall faithfully carry out their duties hereunder on a fee for service basis in accordance with the *Act*, the Ausable Bayfield Source Protection Plan (as amended from time to time) and the Maitland Valley Source Protection Plan (as amended from time to time), this Agreement, and any other applicable legislation.

## ARTICLE TWO DEFINITIONS

### Section 2.01: Definitions

Unless otherwise expressly provided in this Agreement, the words, phrases and expressions in this Agreement shall have the meanings attributed to them as follows:

1. In this Agreement:

- a) “Act” means the Ontario *Clean Water Act, 2006*, as amended;
- b) “Agreement” means this document;
- c) “Parties” means the Authorities and the Municipalities;
- d) “the Regulation” means *Clean Water Act Regulation 287/07*
- e) “Risk Management Inspector” means a Risk Management Inspector appointed under Part IV of the *Act*;
- f) “Risk Management Official” means the Risk Management Official appointed under Part IV of the *Act*;
- g) “Source Protection Authority” means a Conservation Authority or other person or body that, under subsection 4 (2) or section 5 of the *Act*, is required to exercise and perform the powers and duties of a drinking water Source Protection Authority under the *Act*;
- h) “Source Protection Plan” means a drinking water source protection plan prepared under the *Act*.

## ARTICLE THREE RESPONSIBILITIES

### Section 3.01: Responsibilities of the Authority

The Authority is responsible for all the powers and duties of an enforcement body under Part IV of the *Act*. The duties and powers **include but are not limited to** those listed in this Section.

The Authority shall:

- (i) Appoint such Risk Management Officials and Risk Management Inspectors as are necessary for the enforcement of Part IV of the *Act*.
- (ii) Provide mapping to the Municipalities and establish protocols in consultation with the Municipalities to ensure Part IV requirements are incorporated into the review of applications under the *Planning Act* and *Building Code Act*.
- (iii) Review applications under the *Planning Act* and *Building Code Act* as deemed necessary under the protocols referred to in (ii) and issue notices with respect to Restricted Land Use policies prior to those applications proceeding.
- (iv) Negotiate or, if negotiations fail, establish risk management plans with persons (business owners, landowners, tenants, and others) engaged or proposing to engage in an activity and at a location subject to the *Act*.
- (v) Review and accept risk assessments under the *Act*.
- (vi) Conduct inspections and use powers of entry on properties where reasonable and obtain inspection warrants from a court where required.
- (vii) Issue orders and notices, prosecute any offences under Part IV of the *Act* and exercise any other powers set out under Part IV of the *Act* to ensure compliance with the Part IV policies in the Ausable Bayfield Source Protection Plan and the Maitland Valley Source Protection Plan.
- (viii) Maintain records in accordance with the *Act* and make records available to the public when required to do so and to the Municipalities upon request.
- (ix) Prepare documentation and make provisions for staff to attend Environmental Review Tribunal Hearings.
- (x) Report annually on activities as required under the *Act* and provide a copy of the annual report to the Municipalities.

**Section 3.02: Responsibilities of the Municipalities**

The Municipalities shall adhere to agreed upon protocols (including circulating certain applications to the Risk Management Official) to ensure Part IV requirements are incorporated into the review of:

- (i) building permit applications;
- (ii) applications under provisions of the Planning Act that are prescribed in section 62 of the Regulation; and
- (iii) generally, cooperate with and assist the Authority with the protection of safe drinking water.

**Section 3.03: Information and Data Sharing**

To facilitate implementation of this Agreement:

- (i) The Municipalities shall provide information and data required by the Authority to carry out its powers and duties under Part IV of the *Act*.
- (ii) The Authority shall provide records related to its powers and duties under Part IV of the *Act* to the Municipalities, upon request. In the event of termination of this Agreement, records will be transferred to their respective Municipalities.

## ARTICLE FOUR COSTS

**Section 4.01: Responsibility for Cost of Service Delivery**

The Municipalities are responsible for the costs of the enforcement of Part IV of the *Act*. The Municipalities shall pay the Authority as per Schedule A of this Agreement.

**Section 4.02: Recovery of Extraordinary Costs**

The Authority, through consultation with the Municipalities will recover from the Municipalities costs incurred as a result of legal actions initiated by or against the Authority associated with executing its duties and powers under this Agreement and for costs associated with non-routine work including but not limited to enforcement orders, warrants, Environmental Review Tribunal Hearings and retention of third party experts. These costs are in addition to those outlined in Schedule A.

## ARTICLE FIVE OFFICIALS AND INSPECTORS

**Section 5.01: Appointment**

The Authority will appoint such Risk Management Officials and Risk Management Inspectors as are necessary pursuant to subsection 48 (2) of the *Act* and shall issue a certificate of appointment to the Risk Management Officials and Risk Management Inspectors as per subsection 48 (3) of the *Act*.

**Section 5.02: Qualifications**

The Risk Management Officials and Risk Management Inspectors will be qualified as prescribed by the Regulation.

## ARTICLE SIX LIABILITIES AND INSURANCE

**Section 6.01: Insurance**

The Authority shall provide and maintain Commercial/Comprehensive General Liability insurance subject to limits of not less than Two Million Dollars (\$2,000,000.00) inclusive per occurrence for bodily injury, death and damage to property including loss of use thereof.

The Authority shall provide and maintain Errors and Omissions insurance subject to limits of not less than an annual aggregate of Two Million Dollars (\$2,000,000.00). Such insurance shall provide coverage for all errors and omissions made by the Authority, its officers, directors and employees in regard to the obligations of the Authority under this Agreement.

Such insurance shall be kept in force for the two years following termination of this Agreement.

Such insurance shall be in the name of the Authority and shall name the Municipalities as additional insured there under. Evidence of insurance satisfactory to the Municipalities shall be provided to the Municipalities prior to the commencement of work. The Authority shall annually provide the Municipalities with Certificate(s) of Insurance confirming that the said insurance policies are in good standing.

**Section 6.02: Workplace Safety and Insurance Board (WSIB)**

The Authority will provide upon request, verification of WSIB coverage.

**Section 6.03 Indemnification**

The Municipalities agree to save harmless and indemnify the Authority, and its employees, agents, assigns, directors and officers (collectively, the ‘Indemnified Parties’) from and against any claims, costs, fees, losses, damages or expenses of every nature and kind whatsoever, including but not limited to governmental inquiries, administrative or judicial proceedings, which the Authority Indemnified Parties, might suffer, have imposed on, or incur in connection with or arising out of: this Agreement; any enforcement duties or responsibilities; or otherwise in connection with the *Act* or any regulations thereunder.

The Authority agrees to save harmless and indemnify the Municipalities, and its employees, agents, assigns, directors and officers (collectively, the ‘Indemnified Parties’) from and against any claims, costs, fees, losses, damages or expenses of every nature and kind whatsoever, including but not limited to governmental inquiries, administrative or judicial proceedings, which the Municipal Indemnified Parties, might suffer, have imposed on, or incur in connection with or arising out of the Authority failing to perform its duties or responsibilities under this Agreement.

**ARTICLE SEVEN**

**TERM, RENEWAL, TERMINATION AND AMENDMENT OF AGREEMENT**

**Section 7.01: Initial Term**

This Agreement shall continue in force for a period of 3 years, commencing on the 1<sup>st</sup> day of January 2024, and ending the 31<sup>st</sup> day of December 2026.

**Section 7.02: Deemed Renewal**

This Agreement will automatically continue following the expiry of the term set out in Section 7.01 until it is:

- a. Superseded or replaced by a subsequent agreement; or
- b. Terminated in its entirety by either party by giving 90 days written notice.

**Section 7.03: Termination**

The Agreement may be terminated by either party with a minimum of 180 days written notice.

**Section 7.04: Amendment**

This Agreement may be amended by mutual agreement from time to time to reflect changes in programs, funding and personnel in both parties, or changes in provincial policy.

**ARTICLE EIGHT  
MISCELLANEOUS**

**Section 8.01: Preamble**

The preamble hereto shall be deemed to form an integral part hereof.

**Section 8.02: Instrument in Writing**

This Agreement shall not be changed, modified, terminated or discharged in whole or in part except by instrument in writing signed by the parties hereto, or their respective successors or permitted assigns, or otherwise as provided herein.

**Section 8.03: Assignment**

This Agreement shall not be assignable by either party.

**Section 8.04: Force Majeure**

Any delay or failure of either party to perform its obligations under this Agreement shall be excused and this Agreement is suspended if, and to the extent that, a delay or failure is caused by an event or occurrence beyond the reasonable control of the party and without its fault or negligence, such as, by way of example and not by way of limitation, acts of God, pandemics, fires, floods, wind storms, riots, labour problems (including lock-outs, strikes and slow-downs) or court injunction or order.

**Section 8.05: Notices**

Any notice, report or other communication required or permitted to be given hereunder shall be in writing unless some other method of giving such notice, report or other communication is expressly accepted by the party to whom it is given and shall be given by being delivered or mailed to the following addresses of the parties respectively:

(a) To the Authority:

Brian Horner, General Manager / Secretary-Treasurer

Ausable Bayfield Conservation Authority  
71108 Morrison Line  
R.R. # 3  
Exeter, ON N0M 1S5

(b) To the Municipalities:

Municipality of Bluewater  
PO Box 250, 14 Mill Avenue  
Zurich, ON N0M 2T0  
*Attention: Municipal Clerk / Chief Administrative Officer*

Municipality of Central Huron  
PO Box 400, 23 Albert Street  
Clinton, ON N0M 1L0  
*Attention: Municipal Clerk / Chief Administrative Officer*

Municipality of Huron East  
PO Box 610, 72 Main Street  
Seaforth, ON N0K 1W0  
*Attention: Municipal Clerk / Chief Administrative Officer*

Municipality of Morris-Turnberry  
PO Box 310, 41342 Morris Road  
Brussels, ON N0G 1H0

*Attention: Municipal Clerk / Chief Administrative Officer*

Municipality of North Perth  
330 Wallace Ave. N.  
Listowel ON N4W 1L3

*Attention: Municipal Clerk / Chief Administrative Officer*

Township of Ashfield-Colborne-Wawanosh  
82133 Council Line  
R.R.#5  
Goderich, ON N7A 3Y2

*Attention: Municipal Clerk / Chief Administrative Officer*

Township of Huron-Kinloss  
21 Queen Street, P.O. Box 130  
Ripley, ON N0G 2R0

*Attention: Municipal Clerk / Chief Administrative Officer*

Township of North Huron  
Box 90, 274 Josephine Street  
Wingham, ON N0G 2W0

*Attention: Municipal Clerk / Chief Administrative Officer*

Any notice, report or other written communication, if delivered, shall be deemed to have been given or made on the date on which it was delivered to any employee of such party, or if mailed, postage prepaid, shall be deemed to have been given or made on the third business day following the day on which it was mailed (unless at the time of mailing or within forty-eight hours thereof there shall be a strike, interruption or lock-out in the Canadian postal service in which case service shall be by way of delivery only). Either party may at any time give notice in writing to the other party of the change of its address for the purpose of this Agreement.

**Section 8.06: Headings**

The Section headings hereof have been inserted for the convenience of reference only and shall not be construed to affect the meaning, construction or effect of this Agreement.

**Section 8.07: Governing Law**

The provisions of this Agreement shall be construed and interpreted in accordance with the laws of the Province of Ontario as at the time in effect.

IN WITNESS WHEREOF the parties hereto have executed this Agreement as of the day and year first written above.

**AUSABLE BAYFIELD CONSERVATION AUTHORITY**

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Signature	Marissa Vaughan	Chair	Date
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Signature	Brian Horner	General Manager and Secretary-Treasurer	Date
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**MUNICIPALITY OF BLUEWATER**

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Signature	Paul Klopp	Mayor	Date
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Signature	Chandra Alexander	Clerk	Date
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I/We have authority to bind the Municipality.

**MUNICIPALITY OF CENTRAL HURON**

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Signature	Jim Ginn	Mayor	Date
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Signature	Rachel Anstett	Clerk	Date
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I/We have authority to bind the Municipality.

**MUNICIPALITY OF HURON EAST**

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Signature	Bernie MacLellan	Mayor	Date
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Signature	Jessica Rudy	Clerk	Date
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I/We have authority to bind the Municipality.



**MUNICIPALITY OF MORRIS-TURNBERRY**

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Signature	Jamie Heffer	Mayor	Date
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Signature	Trevor Hallam	CAO-Clerk	Date
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I/We have authority to bind the Municipality.

**MUNICIPALITY OF NORTH PERTH**

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Signature	Todd Kasenberg	Mayor	Date
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Signature	Sarah Carter	Clerk	Date
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I/We have authority to bind the Municipality.

**TOWNSHIP OF ASHFIELD-COLBORNE-WAWANOSH**

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Signature	Glen McNeil	Mayor	Date
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Signature	Florence Witherspoon	Clerk	Date
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I/We have authority to bind the Township.

**TOWNSHIP OF HURON-KINLOSS**

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Signature	Don Murray	Mayor	Date
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Signature	Jennifer White	Clerk	Date
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I/We have authority to bind the Township.

**TOWNSHIP OF NORTH HURON**

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Signature	Paul Heffer	Reeve	Date
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Signature	Carson Lamb	Clerk	Date
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I/We have authority to bind the Township.

SCHEDULE 'A'

RMO Delivery Costs  
January 01, 2024 through December 31, 2026

## Appendix A

### RMO Services Costs Per Municipality

Municipality	# of wells / WHPAs*	Fixed Program Costs (Yearly Cost)	Est. # RMPs* 2024-26	% Workload for RMPs	Yearly cost % of RMP workload	Total Yearly RMO Services Cost	Total costs 2024-2026	Total Costs 2021-2023
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Huron-Kinloss	9	\$5,787.00	12	18%	\$1,791.51	\$7,578.51	<b>\$22,735.52</b>	\$27,717.12
Morris-Turnberry	2	\$5,787.00	6	9%	\$895.75	\$6,682.75	<b>\$20,048.26</b>	\$22,012.12
North Huron	2	\$5,787.00	9	14%	\$1,343.63	\$7,130.63	<b>\$21,391.89</b>	\$26,494.62
North Perth	7	\$5,787.00	10	15%	\$1,492.92	\$7,279.92	<b>\$21,839.77</b>	\$30,569.62
<b>Total</b>		<b>\$46,296.00</b>	<b>65</b>	<b>100%</b>	<b>\$9,704.00</b>	<b>\$56,000.00</b>	<b>\$168,000.00</b>	\$197,264.92

\* RMP = Risk Management Plan; WHPA= wellhead protection area

#### Fixed Program costs include:

- Maintaining RMO certification requirements
- Maintaining Data Bases
- s.59 Notice issuance
- Annual reporting
- Support staff and IT
- Check WHPA's for Prohibition/change of activity
- Travel costs
- Answering municipal/planning staff questions
- Answering property owner/realtor/CCA/consultant questions
- Assist municipalities with new education policy
- Attend Provincial RMO mtgs
- Attending Open Houses

#### % RMP workload costs include:

- Negotiate new RMPS for activity changes/new threat rules
- Inspect existing RMPs
- Update or rescind RMPs due to threat rule changes
- Revise RMPs due to new owner/lease/activity changes
- Travel costs

**The Corporation**  
**of the**  
**Municipality of Huron East**  
**By-law No. 079 for 2023**

Being a By-law to Authorize the Collection of Assessments  
for the Moore Municipal Drain, 2021 (Bluewater)

**Whereas** by virtue of By-law 101-2021 of the Corporation of the Municipality of Bluewater provided for the construction of the Moore Municipal Drain and to impose assessments against the respective properties for the estimated cost of construction in the amount of \$53,000;

**And Whereas** by virtue of By-law 98-2023 of the Corporation of the Municipality of Bluewater amends By-law 101-2021 to acknowledge the project completion and actual costs for construction in the amount of \$50,011.45;

**And Whereas** under Section 75(2) of the Drainage Act, the Council of every municipality served with a copy of the provisional By-law shall, forthwith after the time for appealing from such by-law has expired and there are no appeals or after all appeals have been decided, pass a by-law to raise the amount assessed against the lands and roads in the municipality, as stated in the provisional by-law or as determined on appeal therefrom and shall pay over such amount within a reasonable time to the treasurer of the initiating municipality;

**And Whereas** the Municipality of Bluewater has invoiced the Municipality of Huron East \$16,456.91 for assessments on properties located in Huron East;

**And Whereas** the Municipality of Huron East is desirous of collecting said assessments;

**Now Therefore** the Council of the Corporation of the Municipality of Huron East **Enacts As Follows:**

1. That the municipality of Huron East collect the assessments for properties located in Huron East as shown on Schedule A attached hereto.
2. That this By-law shall come into force and take effect on the date of final passing thereof.

**Read** a first and second time this 7<sup>th</sup> day of November, 2023.

**Read** a third time and finally passed this 7<sup>th</sup> day of November, 2023.

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Bernie MacLellan, Mayor

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Jessica Rudy, Clerk

Actual Assessment									
Lot or Part	Con.	Landowner	Roll No.	Approx. Hectares Affected	Total Estimated Assessment	Total Actual Assessment	Less 1/3 Gov't Grant	Less Allowances	Net Assessment
<u>Municipality of Huron East (Tuckersmith Ward)</u>									
20	1 L.R.S.	S. Coleman	21-038	0.8	\$17.00	\$16.04	\$5.35		\$10.69
21	1 L.R.S.	M. & S. Workman	21-039	4.0	\$68.00	\$64.17	\$21.39		\$42.78
22	1 L.R.S.	M. Moffatt	21-040	10.1	\$213.00	\$200.99	\$67.00		\$133.99
23	1 L.R.S.	M. Moffatt	21-041	20.2	\$398.00	\$375.56	\$125.19		\$250.37
24	1 L.R.S.	J. & C. Klaver	21-042	34.4	\$716.00	\$675.63	\$225.21		\$450.42
* Pt. 25	1 L.R.S.	J. & L. Denys	21-043	1.1	\$24.00	\$22.65			\$22.65
Pt. 25	1 L.R.S.	U. & J. Hundt	21-043-05	39.1	\$784.00	\$739.79	\$246.60		\$493.19
26 & Pt. 27	1 L.R.S.	J. Allan	21-044	44.1	\$898.00	\$847.36	\$282.45		\$564.91
* Pt. 27	1 L.R.S.	Presbyterian Church	21-044-15	0.3	\$6.00	\$5.66			\$5.66
Pt. 27	1 L.R.S.	J. Hundt	21-045	32.3	\$680.00	\$641.66	\$213.89		\$427.77
* Pt. 27	1 L.R.S.	S. & L. Wolfe	21-045-50	0.9	\$18.00	\$16.99			\$16.99
Pts. 19 & 20	2 L.R.S.	TJW Farms Ltd.	22-024	45.7	\$963.00	\$908.70	\$302.90		\$605.80
* Pt. 20	2 L.R.S.	M. Murdoch	22-025-01	1.2	\$26.00	\$24.53			\$24.53
21	2 L.R.S.	K. Cooper	22-026	39.3	\$815.00	\$769.04	\$256.35		\$512.70
22	2 L.R.S.	J. Cooper	22-027	40.5	\$852.00	\$803.96	\$267.99		\$535.97
Pt. 23	2 L.R.S.	M. Moffatt	22-028	38.4	\$761.00	\$718.09	\$239.36		\$478.73
* Pt. 23	2 L.R.S.	W. & S. Stoll	22-028-01	2.1	\$44.00	\$41.52			\$41.52
24 & 25	2 L.R.S.	Wynja Farms Inc.	22-029	80.9	\$1,653.00	\$1,559.79	\$519.93		\$1,039.86
26	2 L.R.S.	J. & C. Klaver	22-031	35.2	\$710.00	\$669.96	\$223.32		\$446.64
Pt. 27	2 L.R.S.	L. & M. Greidanus	22-032	18.2	\$368.00	\$347.25	\$115.75		\$231.50
Pt. 27	2 L.R.S.	J. Hundt	22-033	8.9	\$179.00	\$168.91	\$56.30		\$112.60
Pt. 18	3 L.R.S.	P. Macregor & N. Bicknell	23-025	24.6	\$483.00	\$455.76	\$151.92		\$303.84
Pt. 19	3 L.R.S.	R. & S. Eedy	23-028	18.6	\$392.00	\$369.90	\$123.30		\$246.60
Pt. 19	3 L.R.S.	A. Van Miltenburg	23-028-25	20.2	\$426.00	\$401.98	\$133.99		\$267.99
Pt. 20	3 L.R.S.	S. Carnochan	23-029	39.6	\$803.00	\$757.72	\$252.57		\$505.15
Pt. 20	3 L.R.S.	B. Carnochan	23-029-05	0.9	\$19.00	\$17.93	\$5.98		\$11.95
* Pt. 21	3 L.R.S.	H. Dayman	23-030	1.5	\$32.00	\$30.20			\$30.20
Pt. 21	3 L.R.S.	J. McNaughton	23-030-05	39.0	\$789.00	\$744.51	\$248.17		\$496.34
Pt. 22	3 L.R.S.	Wynja Farms Inc.	23-031	38.9	\$772.00	\$728.47	\$242.82		\$485.65
* Pt. 22	3 L.R.S.	W. & M. Charters	23-031-02	1.6	\$33.00	\$31.14			\$31.14

Actual Assessment									
Lot or Part	Con.	Landowner	Roll No.	Approx. Hectares Affected	Total Estimated Assessment	Total Actual Assessment	Less 1/3 Gov't Grant	Less Allowances	Net Assessment
23	3 L.R.S.	J. McNaughton	23-032	40.5	\$807.00	\$761.50	\$253.83		\$507.66
24	3 L.R.S.	B. & K. Wynja	23-033	40.5	\$808.00	\$762.44	\$254.15		\$508.29
25	3 L.R.S.	D. & M. McKenzie	23-034	40.5	\$816.00	\$769.99	\$256.66		\$513.33
26	3 L.R.S.	J. Allan	23-035	30.4	\$629.00	\$593.53	\$197.84		\$395.69
18	4 L.R.S.	T. & S. Van Miltenburg	24-004	16.2	\$325.00	\$306.67	\$102.22		\$204.45
Pt. 19	4 L.R.S.	K. & M. Consitt	24-005	10.9	\$219.00	\$206.65	\$68.88		\$137.77
Pt. 19	4 L.R.S.	R. & S. Eedy	24-006	4.0	\$60.00	\$56.62	\$18.87		\$37.74
Npt. 19	4 L.R.S.	E. Wise	24-007	17.4	\$366.00	\$345.36	\$115.12		\$230.24
Pt. 20	4 L.R.S.	K. & M. Consitt	24-008	18.2	\$358.00	\$337.81	\$112.60		\$225.21
Pt. 20	4 L.R.S.	K. & M. Consitt	24-009	20.2	\$426.00	\$401.98	\$133.99		\$267.99
* Pt. 20	4 L.R.S.	R. & B. Dalrymple	24-009-01	1.7	\$37.00	\$34.91			\$34.91
Wpt. 21	4 L.R.S.	A. Van Miltenburg	24-010	20.2	\$403.00	\$380.28	\$126.76		\$253.52
Ept. 21	4 L.R.S.	S. Cooper	24-011	20.2	\$426.00	\$401.98	\$133.99		\$267.99
Spt. 22	4 L.R.S.	N. Klaver	24-012	20.2	\$399.00	\$376.50	\$125.50		\$251.00
Npt. 22	4 L.R.S.	James McNaughton Farms Inc.	24-013	20.2	\$412.00	\$388.77	\$129.59		\$259.18
Pt. 23	4 L.R.S.	G. Ritzema	24-014	16.3	\$343.00	\$323.66	\$107.89		\$215.77
Pt. 23	4 L.R.S.	J. Cooper	24-014-05	22.2	\$446.00	\$420.85	\$140.28		\$280.57
Pt. 24	4 L.R.S.	G. & H. Ritzema	24-015	36.6	\$719.00	\$678.46	\$226.15		\$452.30
* Pt. 24	4 L.R.S.	J., C., M. & D. McLachlan, J. Blaine & L. Scoins	24-015-02	0.2	\$5.00	\$4.72			\$4.72
Npt. 25	4 L.R.S.	J. & M. McLachlan	24-016	15.4	\$305.00	\$287.80	\$95.93		\$191.87
Spt. 25	4 L.R.S.	J. & A. Tremeer	24-017	15.4	\$324.00	\$305.73	\$101.91		\$203.82
Spt. 26	4 L.R.S.	C. & J. Wilson	24-018	15.4	\$309.00	\$291.58	\$97.19		\$194.38
Npt. 26	4 L.R.S.	S. Cooper	24-019	15.0	\$300.00	\$283.08	\$94.36		\$188.72
27	4 L.R.S.	J. Cooper	24-020	4.9	\$102.00	\$96.25	\$32.08		\$64.17
* Pt. 24	5 L.R.S.	H. & B. Cook	25-001	1.5	\$32.00	\$30.20			\$30.20
14	8 H.R.S.	N. Klaver	8-020	8.5	\$179.00	\$168.91	\$56.30		\$112.60
<b>Total Assessment on Lands</b>						<b>\$23,497.00</b>	<b>\$22,172.06</b>	<b>\$7,309.85</b>	<b>\$14,862.21</b>
Centennial Road		Municipality of Huron East		7.7	\$486.00	\$458.60			\$458.60
Division Line		Municipality of Huron East		2.3	\$143.00	\$134.94			\$134.94
Morrison Line		Municipality of Huron East		5.9	\$498.00	\$469.92			\$469.92
Staffa Road		Municipality of Huron East		6.4	\$404.00	\$381.22			\$381.22
Highway 4		Ministry of Transportation		1.9	\$159.00	\$150.03			\$150.03
<b>Total Assessment on Roads</b>						<b>\$1,690.00</b>	<b>\$1,594.70</b>		<b>\$1,594.70</b>
<b>Total Assessment on Lands and Roads</b>									
Municipality of Huron East						<b>\$25,187.00</b>	<b>\$23,766.76</b>	<b>\$7,309.85</b>	<b>\$16,456.91</b>

Actual Assessment									
Lot or Part	Con.	Landowner	Roll No.	Approx. Hectares Affected	Total Estimated Assessment	Total Actual Assessment	Less 1/3 Gov't Grant	Less Allowances	Net Assessment
<u>Municipality of Bluewater (Stanley Ward)</u>									
10	1	T. Clifton	1-028	6.1	\$128.00	\$120.78	\$40.26		\$80.52
Pt. 11	1	S. & M. Gilbert	1-029	9.5	\$196.00	\$184.95	\$61.65		\$123.30
* Pt. 11	1	Ministry of Transportation	1-029-10	0.01	\$1.00	\$0.94			\$0.94
* Pt. 11	1	Avon Maitland District School Board	1-030	13.0	\$256.00	\$241.56			\$241.56
Wpt. 11	1	Brucegreen Farms Ltd.	1-031	1.2	\$26.00	\$24.53	\$8.18		\$16.36
* Pt. 12	1	P. & D. Timmermans	1-032	0.8	\$17.00	\$16.04			\$16.04
Pt. 12	1	M. & M. Den Hertog	1-033	16.3	\$26,839.00	\$25,325.61	\$8,441.87	\$900.00	\$15,983.74
Pt. 13	1	Holler Farms Ltd.	1-034	0.6	\$12.00	\$11.32	\$3.77		\$7.55
* Pts. 11, 12 & 13	1	Goderich-Exeter Railway Co. Ltd.	37-999	1.9	\$123.00	\$116.06			\$116.06
Total Assessment on Lands					\$27,598.00	\$26,041.81	\$8,555.73	\$900.00	\$16,586.08
Centennial Road		Municipality of Bluewater		0.9	\$56.00	\$52.84			\$52.84
Highway 4		Ministry of Transportation		1.9	\$159.00	\$150.03			\$150.03
Total Assessment on Roads					\$215.00	\$202.88			\$202.88
Total Assessment on Lands and Roads Municipality of Bluewater					\$27,813.00	\$26,244.69	\$8,555.73	\$900.00	\$16,788.96
<b>Total Assessment on Lands and Roads Moore Municipal Drain 2021</b>					<b>\$53,000.00</b>	<b>\$50,011.45</b>	<b>\$15,865.58</b>	<b>\$900.00</b>	<b>\$33,245.87</b>

## NOTES:

- \* Denotes lands not eligible for ADIP grants.
- The NET ASSESSMENT is the total estimated assessment less a one-third (1/3) Provincial grant, and allowances, if applicable.
- The NET ASSESSMENT is provided for information purposes only.



**The Corporation  
of the  
Municipality of Huron East  
By-law No. 080 for 2023**

Being a By-law to Confirm the Proceedings of the Regular  
Council Meeting of the Corporation of the Municipality of  
Huron East

**Whereas**, the Municipal Act, S. O. 2001, c. 25, as amended, s. 5 (3) provides municipal power, including a municipality's capacity, rights, powers and privileges under section 8, shall be exercised by by-law unless the municipality is specifically authorized to do otherwise;

**And Whereas**, the Municipal Act, S. O. 2001, c.25, as amended, s. 8 provides a municipality the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act;

**And Whereas** it is deemed expedient that the proceedings of the Council of the Corporation of the Municipality of Huron East at this meeting be confirmed and adopted by By-law;

**Now Therefore** the Council of the Corporation of the Municipality of Huron East **Enacts as Follows:**

1. The action of the Council of the Corporation of the Municipality of Huron East, at its Regular meeting held on the 7<sup>th</sup> day of November, 2023 in respect to each recommendation contained in the Reports of the Committees and each motion and resolution passed and other action taken by the Council of the Corporation of the Municipality of Huron East at these meetings, is hereby adopted and confirmed as if all such proceedings were expressly embodied in this by-law.
2. The Mayor and the proper officials of the Corporation of the Municipality of Huron East are hereby authorized and directed to do all things necessary to give effect to the action of the Council of the Corporation of the Municipality of Huron East referred to in the proceeding section hereof.
3. The Mayor and the Clerk are authorized and directed to execute all documents necessary in that behalf and to affix thereto the Seal of the Corporation of the Municipality of Huron East.

**Read** a first and second time this 7<sup>th</sup> day of November 2023.

**Read** a third time and finally passed this 7<sup>th</sup> day of November 2023.

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Bernie MacLellan, Mayor

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Jessica Rudy, Clerk